



Banner

THE POWER COMPANY

THE BOOK OF POWER.

- ▶ **The entire product range in one catalogue**
- ▶ **Starter and industrial batteries**
- ▶ **Accessories, wheel weights, areas of application**

Forhandler:
Scandic-Oil & Danco Oil Center
Tlf: 21 70 62 80
Mail: mail@scandic-oil.dk
www.scandic-oil.dk



THE KEY TO OUR SUCCESS.

As Austria's only battery manufacturer, Banner is one of the leading companies in the European industry. Our loyal customers have made this major success possible by placing their trust in the quality and efficiency of our production and the resultant products. For this, we owe our heartfelt gratitude.

Since the foundation of the family-owned Banner company by our grandfather, Artur Bawart, in 1937, work has continued on the constant optimisation of our products and services, as we feel a deep-rooted sense of obligation to both our clientele and innovation.

Banner has always been ready to assume responsibility, hence the fact that for the past 80 years, relationships based on partnership have been cultivated with company customers. We are always open to wishes and suggestions and constantly invest in the quality and updating of our products. Moreover, we sponsor sport and contribute to the conservation of both the environment and resources.

Banner – The Power Company.



Mag. Thomas Bawart
Technical CEO



Andreas Bawart
Commercial CEO



POWER TO THE WORLD

Banner – THE AUSTRIAN BRAND BATTERY.

Banner is one of the largest battery manufacturers in Europe and produces starter batteries, which constantly meet the highest technical demands of current vehicles, and markets drive - machine - stationary batteries, wheel weights and a tailor-made programme of accessories. In this catalogue you can discover why Banner, the Austrian quality battery, is always the first choice for you and your customers. We wish you every success and excellent sales!

A CLAIM TO QUALITY

Banner batteries for the aftermarket are manufactured in OEM quality, i.e. on the same production lines by the same personnel using technologies and quality assurance systems identical to those employed for batteries for automotive manufacturers.

EXPERIENCE DATING BACK TO 1937

More than 80 years of starter battery production expertise mean that Banner is one of Europe's most experienced battery manufacturers.

HIGH LEVELS OF INNOVATION

Banner AGM batteries are utilised for micro-hybrid applications (start/stop, braking energy recuperation) and EFB batteries (start/stop, without braking energy recuperation) are used by companies such as Audi, BMW, Mercedes, Porsche, Volvo and VW. Other patented developments also serve to secure company success.

INDEPENDENT, PRIVATELY OWNED COMPANY

Banner is owned entirely by the Bawart family and is managed in the third generation by Andreas and Thomas Bawart.

LEADING IN EUROPE

With sales of 4.60 million starter batteries and sales revenues of € 302 million (financial year 2017/2018), Banner is one of the largest suppliers in Europe. A modern product range consisting of seven "Bull families" covers virtually every starter battery application from motorcycles to articulated trucks.

LEADING FIRST FITTERS AS CUSTOMERS

Some 30 per cent of Banner's starter battery production goes to the European plants of important automotive manufacturers such as VW, BMW, Porsche, Seat, Mitsubishi, Volvo, Mercedes Truck, Caterpillar, Kässbohrer, Liebherr, Jungheinrich, Knaus Tabbert, etc.

MADE IN AUSTRIA

The Banner production plant in Linz-Leonding is one of the most modern and environment-friendliest battery plants in Europe. Since 2015, some € 30 million have been invested in the modernisation and enlargement of the production facilities.

TOP CUSTOMER SERVICE

Over 250 sales staff at 27 branches in fourteen European countries, guarantee first class consulting and comprehensive customer service.

VOLVO

**Aston
Martin**

Audi

VW

Suzuki

Seat

Rolls-Royce

Rammax

Porsche

Mercedes

Mitsubishi

Liebherr

KTM



Banner

THE POWER COMPANY

LEADING BRANDS

TRUST IN Banner QUALITY.

FIRST FITTING POWER FOR START/STOP VEHICLES.

As a result of the very latest AGM and EFB technologies, Banner covers fully the high-potential start/stop or micro-hybrid vehicle segment. Makes such as Audi, BMW, Mercedes, VW, Volvo and Seat are already employing the power packs from Austria and they are not alone, as many producers of commercial vehicles and special machinery are also using Banner batteries for first fitting purposes.

ORIGINAL QUALITY FOR RETROFITTING.

Banner manufactures batteries for the OE and the aftermarket in accordance with current standards and on the same production lines. As a result, identical quality assurance measures are employed for both types of manufacture. Banner implements technical developments in partnership with vehicle producers and these advances then appear almost simultaneously in the aftermarket.

SUCCESSFUL PARTNERSHIPS THROUGH QUALITY IN EVERY AREA.

The Banner battery plant delivers roughly 30 per cent of its starter battery output for first fitting, while the remainder is sold to the aftermarket.

The main factors in the company's successful partnerships with various automotive manufacturers are comprised by technical competence, a strong brand, top product quality, flexibility, punctuality of delivery and stable production.

Banner's exemplary process and procedural quality is subject to ongoing monitoring according to IATF 16949/2016 and is implemented on a daily basis. An in-house quality management team supports the various company areas with their respective processes.

Banner CONVINCES.

The leading European touring clubs ADAC (D), ÖAMTC (A), TCS (CH), Stiftung Warentest Germany and Testfakta Sweden, are all convinced by first class quality from Banner.

For many years, the automobile clubs in Germany (AvD), Finland (Autoliitto), the Netherlands (ANWB) and France (ACTA) have all relied on Banner's quality products and used them for their breakdown assistance services.



BMW AG first fitter certificate





**LEAD POWDER:**

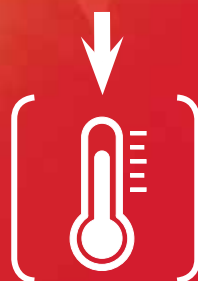
In our reactors, lead is combined with oxygen to form lead oxide and is then placed in interim storage in silos prior to further processing.

**MESH PRODUCTION:**

Lead alloys are used for the production of positive and negative charged mesh, which transfers the electricity in the battery to the electrodes in optimum fashion.

**PLATE PRODUCTION:**

Positive and negative plates are manufactured from lead powder and various additives, and then attached to the mesh.

**MATURATION:**

In order that the finished battery can store power to an optimum extent, the electrodes must mature in an atmosphere with a defined temperature and humidity.

**ASSEMBLY:**

The electrodes are "jacketed" to form sets and then welded into the battery box, which is subsequently sealed with a lid.



FULL POWER FOR OUR ENVIRONMENT.

Banner ASSUMES RESPONSIBILITY.

Among Banner's key values are a great sense of ecological awareness and the fulfilment of our responsibilities to customers, employees, neighbours, consumers and the environment. For these reasons, the company builds on environmentally compatible production processes, the economical use of energy and raw materials, a closed product loop from production to recycling and constant improvements aimed at minimising or preventing environmental impact. The Banner plant possesses ISO 14001 certification.

Banner's RECYCLING LOOP MEANS REDUCED ENVIRONMENTAL IMPACT.

Many of the components in top quality Banner batteries can be manufactured from recycled raw materials. At the important workshop/retail interface, new batteries are installed and used ones collected in containers to await collection by Banner. The company's in-plant battery recycling system then prepares the raw materials received for production. This saves resources, keeps prices stable and protects the environment.



100% RECYCELBAR
RECYCLABLE



FULL POWER FOR THE ENTIRE WORLD.

THE Banner BATTERY SALES OUTLETS.

Always in your vicinity! Banner's success derives from its comprehensive range of top quality starter and supply batteries, unbeatable customer service and uncompromisingly rapid deliveries. Capabilities secured by our closely-knit network of branches in 14 countries and over 60 export markets:

Albania	Kirgizstan
Algeria	Kuwait
Armenia	Latvia
Australia	Lebanon
Austria	Lithuania
Azerbaijan	Macedonia
Belarus	Malta
Belgium	Martinique
Bosnia Herzegovina	Martinique
Bulgaria	Moldavia
China	Montenegro
Croatia	Morocco
Czech Republic	Netherlands
Denmark	Nigeria
Egypt	Norway
Estonia	Paraguay
Finland	Poland
France	Qatar
Gabon	Romania
Gambia	Russia
Georgia	Senegal
Germany	Serbia
Ghana	Slovakia
Greece	Slovenia
Hong Kong	Spain
Hungary	Sweden
Iceland	Switzerland
Ireland	Taiwan
Italy	Turkey
Ivory Coast	Ukraine
Jordan	United Arab Emirates
Kazakhstan	United Kingdom

THE Banner POWER PORTFOLIO.

Irrespective of whether starter batteries for vehicles with combustion engines, batteries for leisure purposes, or batteries for drives, equipment or stationary use are involved, with Banner one can always find the appropriate power pack. In addition, an extensive programme of accessories, chargers, testing devices, services and wheel weights ensures perfect maintenance, long service life and decisive extra safety for every application.

CAR STARTER BATTERIES



For vehicles without a start/stop function.

COMMERCIAL VEHICLE BATTERIES



Starter and electrical system batteries for high vibration and cyclical resistance; including a high-current version.

LEISURE BATTERIES



Bike Bull – power for motorcycles
Energy Bull – for hobbies & leisure
Garden Bull – for tractor mowers



For modern vehicles without a start/stop function.



Starter and electrical system batteries in OE quality for high vibration and cyclical resistance.



The latest AGM-technology for universal bike use.



Full cover for the energy supply needs of vehicles in the start/stop segment.



Starter and electrical system batteries using EFB technology for maximum energy needs.



GEL power for off-road and touring riders.
Professional AGM Power for the strictest demands in OE quality.



**YOU CAN FIND DETAILED INFORMATION REGARDING OUR
PRODUCTS UNDER bannerbatterien.com**



Banner BATTERY ACCESSORIES
Everything that a professional needs.
The technology for first class battery service.

**CHARGERS, START BOOSTERS,
TESTING DEVICES FOR
STARTER BATTERIES**

**SEMI-
TRACTION BATTERIES**

**EMERGENCY POWER
SUPPLY BATTERIES**

**INDUSTRIAL BATTERY
CHARGING TECHNOLOGY**



Chargers –
for constant full power.



Traction Bull Bloc PzF/GIS



Stand by Bull GiV,
GiV-S, GiVC



Puls 50 Hz



Start boosters –
starting power for all.



Traction Bull AGM/GEL



Stand by Bull SBV, FAV,
SBG, SCV, SBX



HF Basic



Testing devices – controls for
longer service life.



Traction Bull



Stand by Bull OGI, OPzS,
OPzV, FPL



Select

RUNNING BULL – INNOVATIVE POWER FOR ENVIRONMENT-FRIENDLY MOBILITY.

Banner's BEST BATTERIES FOR MODERN START/STOP VEHICLES.

Banner provides the power supply for the entire start/stop vehicle range with its Running Bull series, which consists of the Running Bull AGM, Running Bull EFB and Running Bull Backup. A combination of top starting performance and high cyclical resistance makes Running Bull batteries ideal power packages, which safely master the extreme loads caused by multiple starts and the permanent charging and discharging processes in micro-hybrid vehicles.

Running Bull is used currently for first fitting by Porsche, BMW, Audi, VW, Volvo, Seat, Skoda, Aston Martin and Rolls-Royce.





Taxis



LCV



Off-road



Motorhomes



Motorboats



Construction machinery



Solar power systems



AGM FOR START/STOP VEHICLES WITH ENERGY RECUPERATION.

By 2018, over 70 per cent of all new vehicles will be fitted with an engine start/stop function, in order to achieve the CO₂ limitation targets set by the EU by means of sustained fuel consumption savings and emission reductions. In general, two differing starter battery types are used in these environment-friendly vehicles consisting of the absorbent glass mat (AGM) and the enhanced flooded battery (EFB) systems.

The use of the appropriate technology depends largely on the fuel and CO₂ savings that can be attained. The AGM technology is employed for start/stop systems with maximum energy requirements and braking energy recuperation. Within this context, in particular the Running Bull AGM constitutes the optimum solution for mid-range to premium and luxury class vehicles.

TECHNICAL DATA AND INFORMATION

- ▶ Three times greater cycle resistance than standard batteries: highest M3/E4 classification pursuant to EN 50342-1:2016
- ▶ Valve-regulated AGM battery (VRLA)
- ▶ Range of 5 types with capacities from 60-105Ah
- ▶ Leak-proof due to electrolyte bonding into an absorbent glass mat
- ▶ Zero maintenance due to recombination technology
- ▶ High V3 vibration resistance pursuant to EN 50342-1:2016
- ▶ Maximum starting performance due to the very low internal resistance
- ▶ Installation in a lateral position possible (max. 90° angle)
- ▶ Flexible use as a starter and on-board power supply battery
- ▶ Original equipment quality



SUPPORT FOR VEHICLES WITH EXTREMELY HIGH ENERGY REQUIREMENTS.



The Running Bull BackUp is the ideal support for starter batteries owing to the fact that it uses the same trend-setting technology which is used in the "big" Running Bull AGM. The small power pack is utilised in vehicles with a start/stop system with additional consumers with a high energy requirement such as redundant safety systems or power steering.

TECHNICAL DATA AND INFORMATION

- ▶ Valve-regulated AGM battery (VRLA)
- ▶ Range of 2 types with capacities of 9/12Ah
- ▶ Used by Audi, BMW and Volvo for first fitting
- ▶ Three times greater cycle resistance than standard batteries: highest M3/E4 classification pursuant to EN 50342-1:2016
- ▶ Zero maintenance due to recombination technology
- ▶ Leak-proof due to electrolyte bonding into an absorbent glass mat
- ▶ Installation in a lateral position possible (max. 90° angle)



EFB FOR START/STOP VEHICLES WITH HIGH ENERGY REQUIREMENTS.



EFB technology is used mainly in mid-range and small cars with simple start/stop systems, but without energy recuperation. In the coming years, this type of cycle-resistant starter battery will be used with growing frequency for Original Equipment Manufacturer.

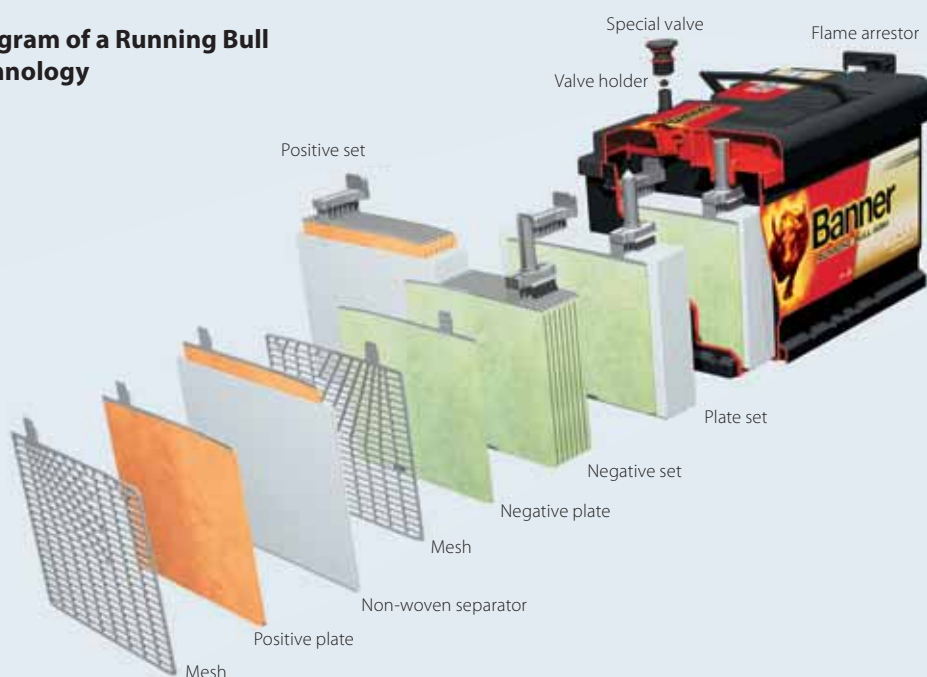
+ Banner tip! A Running Bull EFB battery can be upgraded to a more powerful and cycle-resistant Running Bull AGM battery in H5/L2 (60Ah), H6/L3 (70Ah) and H7/L4 (80Ah) boxes. Please contact your Banner customer advisor.

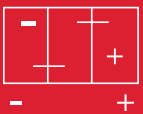
TECHNICAL DATA AND INFORMATION

- ▶ Range of 11 types with capacities from 38-95Ah
- ▶ Glass fleece cover on the separator and special active mass composition
- ▶ Twice the cycle resistance of standard batteries: M2/E3 classification pursuant to EN 50342-1:2016
- ▶ Top V3 vibration resistance rating pursuant to EN 50342-1:2016
- ▶ Double lid for maximum protection against leaks and operational safety
- ▶ Measures to reduce acid stratification and improve charge absorption
- ▶ „Carbon loaded“: The carbon additives lead to a marked reduction of the charging time!
- ▶ Zero maintenance due to modern calcium/calcium mesh technology
- ▶ Original equipment quality



Schematic diagram of a Running Bull with AGM technology



Typ	Info	Box	Ah 20 h	A EN		
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RUNNING BULL

AGM BATTERY WITH MAT FOR PREMIUM START/STOP APPLICATIONS

AGM 560 01		H5 / L2	60	640	0	1
AGM 570 01		H6 / L3	70	720	0	1
AGM 580 01		H7 / L4	80	800	0	1
AGM 592 01		H8 / L5	92	850	0	1
AGM 605 01		H9 / L6	105	950	0	1

AGM BATTERY WITH MAT AS AN INBOARD NETWORK BACK-UP BATTERY

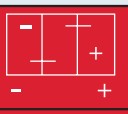
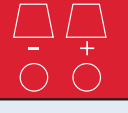
509 00/AUX 09			9	120	1	10
514 00/AUX 14			12	200	1	10

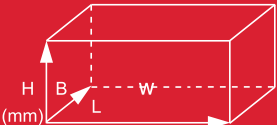
EFB BATTERY FOR STANDARD START/STOP APPLICATIONS

EFB 538 15 		35NS/B19	38	400	0	3
EFB 555 15 		45NS/B24	55	460	0	1+3
EFB 560 11	replace EFB 560 00	H5 / L2	60	560	0	1
EFB 565 15	replace EFB 565 00	D23	65	550	0	1
EFB 565 16	replace EFB 565 01	D23	65	550	1	1
EFB 565 12 		T6 / LB3	65	650	0	1
EFB 570 11	replace EFB 570 00	H6 / L3	70	660	0	1
EFB 570 15 		D26/MO60	70	680	0	1
EFB 575 12 		T7 / LB4	75	730	0	1
EFB 580 11 		H7 / L4	80	780	0	1
EFB 595 15	replace EFB 595 00	D31 / 56AT	95	760	0	1

 Double Top,  4K = 4-chamber leak protection, RF = vibration-resistant, GA = battery with central degassing, HGI = hard rubber set, mG = with handle, RZS = flame arrester, * limited use, ** with base hold-down adapter

Ah 20 h	Capacity Ah 20 h rate
A (EN)	Cold discharge test current in A

	Layout
	Terminal

			Application
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Length	Width	Box height	Total height			
241	175	190	190	mG	B13	BMW, VW, Audi, Hyundai, Kia
278	175	190	190	mG	B13	BMW, VW, Audi, Mercedes, Porsche, Taxis
315	175	190	190	mG	B13	BMW, VW, Audi, Mercedes, Porsche, Taxis
354	175	190	190	mG	B13	BMW, VW, Audi, Mercedes, Porsche, Taxis
394	175	190	190	mG	B13	BMW, VW, Audi, Mercedes, Porsche, Taxis

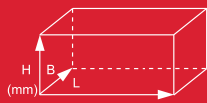
Hint: replace AGM with AGM.

Length	Width	Box height	Total height			
150	88	106	106		B00	Volvo Start/Stopp, DRIVE
150	88	145	145		B00	Audi, BMW 5/7Start/Stopp, Mercedes E/S-Class, Volvo Automatic, Start/Stopp

Hint: replace AGM with AGM.

Length	Width	Box height	Total height			
187	127	204	226	mGGA	B07	Mazda, Mitsubishi, Nissan, Subaru, Toyota
238	129	203	225	mGGA	B00	Mazda, Mitsubishi, Nissan, Subaru, Toyota
241	175	190	190	mGGA	B13	Alfa Romeo, Audi, BMW, Citroen, Fiat, Peugeot, Seat, Skoda, Toyota, VW
233	173	203	225	mGGA	B00	Mazda, Mitsubishi, Nissan, Subaru, Toyota
233	173	203	225	mGGA	B00	Mazda, Mitsubishi, Nissan, Subaru, Toyota
278	175	175	175	mGGA	B13	Ford, Opel
278	175	190	190	mGGA	B13	Alfa Romeo, Audi, BMW, Citroen, Fiat, Peugeot, Seat, Skoda, Toyota, VW
260	174	200	222	mGGA	B00	Mazda, Mitsubishi, Nissan, Subaru, Toyota
315	175	175	175	mGGA	B13	Ford, Opel
315	175	190	190	mGGA	B13	Alfa Romeo, Audi, BMW, Citroen, Fiat, Peugeot, Seat, Skoda, Toyota, VW
303	173	203	225	mGGA	B00	Mazda, Mitsubishi, Nissan, Subaru, Toyota - D, Fiat Tractors

Hint: replace EFB with EFB/AGM.

	Max. dimensions mm Length x Width x Box-/Total height
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	Battery specifications
	Base hold-down

POWER BULL – SUPER POWER, SUPER SAFETY.

SUCCESS THROUGH INNOVATION.

The Power Bull is the flagship for Banner brand quality and THE choice for modern cars. A claim supported by the top ratings obtained during the independent battery tests of leading European automobile clubs. The Banner Power Bull answers the steadily increasing demands created by ever-higher, on-board power consumption and is therefore employed by car manufacturers such as BMW and VW for first fitting. Calcium / calcium technology and the Double Top lid mean that the Power Bull offers greater safety, improved deep charging capacity and easier charging.





Cars



Taxis



LCV



Motorboats

THE POWER BULL PRO

THE PROLONGATION OF A SUCCESS STORY.

The triumphal progress of the Power Bull PRO starter batteries is set to continue, as the Banner top seller quite literally combines prizewinning product quality with premium performance in a perfect symbiosis. This is simply original part excellence for retrofitting. Precisely for this reason, the product portfolio has been augmented with the following three battery types in T-boxes:

Power Bull

PRO P50 42 (T4/LB1 box – 50 Ah/400 A EN)

PRO P63 42 (T5/LB2 box – 63 Ah/600 A EN)

PRO P77 42 (T6/LB3 box – 77 Ah/680 A EN)

These represent intelligent additions to the range because numerous Ford models (without start/stop function or braking energy recuperation) require original battery replacements with a total height of 175 mm.

+ Banner Tip! A Power Bull battery can be upgraded to an even more powerful Power Bull PRO battery in T4/LB1 (44 Ah), H4/L1 (50 Ah), T5/LB2 (60 Ah), H5/L2 (62 Ah), T6/LB3 (72 Ah), H6/L3 (74 Ah) and H8/L5 (95 Ah) boxes. Please contact your Banner customer advisor.

TECHNISCHE DATEN UND INFOS

- ▶ Robust cyclical behaviour with E2 classification pursuant to EN 50342-1:2016
- ▶ Double Top for twice the leak protection and 100 per cent leak protection up to an angle of 55°
- ▶ Absolutely maintenance-free due to modern calcium/calcium technology
- ▶ Optimized cold start values, highest starting power
- ▶ Extensive coverage of the European and Asian vehicle fleets owing to 33 battery types from 40-110 Ah
- ▶ V2 vibration resistance rating pursuant to EN 50342-1:2016 due to the bonding of the plates to the battery floor and robust cell connections
- ▶ Improved backfire and ESD safety levels (against electrostatic discharge)



DOUBLE TOP OFFERS COMPLETE LEAK PROTECTION UP TO A MAX. 55° ANGLE.

Safety in the fast lane. The Power Bull's patented Double Top leak protection ensures absolute safety at angles of up to 55° and even survived the tough roll-over test according to VW standards. Improved protection against backfiring and electrostatic discharge (ESD), as well as flexible gas vents, mounted on both sides, round off the Double Top safety package in style and help to also make the Power Bull, as well as ideal for SUVs.



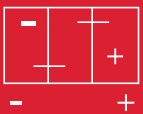
POWER BULL STARTING ENERGY FOR ASIAN VEHICLES.

As a result of its enormous range of capacities and casing sizes, the Power Bull can provide the energy supply for virtually all the types of vehicle manufactured in the Far East.

THE Banner POWER BULL IS ALSO AVAILABLE FOR:

CHEVROLET-DAEWOO	MITSUBISHI
DAIHATSU	NISSAN
HONDA	PROTON
HYUNDAI	SSANGYONG
ISUZU	SUBARU
KIA	SUZUKI
MAZDA	TOYOTA



Typ	Info	Box	Ah 20 h	A EN		
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POWER BULL

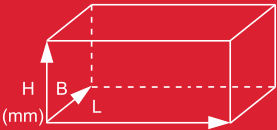
PROFESSIONAL CALCIUM CAR BATTERY OF THE LATEST GENERATION

PRO P50 40 		H4 / L1	50	420	0	1
PRO P50 42  		T4 / LB1	50	400	0	1
PRO P63 40 		H5 / L2	63	620	0	1
PRO P63 42  		T5 / LB2	63	600	0	1
PRO P77 40 		H6 / L3	77	700	0	1
PRO P77 42  		T6 / LB3	77	680	0	1
PRO P84 40 		H7 / L4	84	760	0	1
PRO P100 40 		H8 / L5	100	820	0	1
PRO P110 40 		H9 / L6	110	900	0	1

CALCIUM CAR BATTERY OF THE LATEST GENERATION

P40 25		35NS/B19	40	330	0	3
P40 26		35NS/B19	40	330	0	3
P40 27		35NS/B19	40	330	1	3
P42 08		H3 / L0	42	390	0	1
P44 09 		T4 / LB1	44	420	0	1
P45 23		45NS/B24	45	390	0	1+3
P45 24		45NS/B24	45	390	1	1+3
P50 03 		H4 / L1	50	450	0	1
P50 41		D20	50	420	0	1
P60 09 		T5 / LB2	60	540	0	1
P60 62		D23	60	510	0	1
P60 68		D23	60	510	0	1
P60 69		D23	60	510	1	1
P62 19 		H5 / L2	62	550	0	1
P70 24		D26 / MO60	70	600	1	1
P70 29		D26 / MO60	70	600	0	1
P72 09 		T6 / LB3	72	670	0	1
P74 12 		H6 / L3	74	680	0	1
P80 09		D26 / MO60	80	640	0	1
P80 14 		T7 / LB4	80	700	0	1
P88 20 		T8 / LB5	88	700	0	1
P95 04		D31 / 56AT	95	740	0	1
P95 05		D31 / 56AT	95	740	1	1
P95 33 		H8 / L5	95	780	0	1

 Double Top,  = 4-chamber leak protection, RF = vibration-resistant, GA = battery with central degassing, HGI = hard rubber set, mG = with handle, RZS = flame arrester, * limited use, ** with base hold-down adapter

			Application
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Length	Width	Box height	Total height			
210	175	190	190	mGGA	B13	Audi, BMW, VW, Citroen, Peugeot, Renault, Fiat, Skoda
210	175	175	175	mGGA	B13	Ford, Opel
241	175	190	190	mGGA	B13	Audi, BMW, VW, Citroen, Mercedes, Peugeot, Renault, Fiat, Skoda
241	175	175	175	mGGA	B13	Ford, Opel
278	175	190	190	mGGA	B13	Audi, BMW, VW, Citroen, Mercedes, Peugeot, Renault, Fiat, Skoda
278	175	175	175	mGGA	B13	Ford, Opel
315	175	190	190	mGGA	B13	Audi, BMW, VW, Citroen, Mercedes, Peugeot, Renault, Fiat, Skoda
354	175	190	190	mGGA	B13	Audi, BMW, VW, Citroen, Mercedes, Peugeot, Renault, Fiat, Skoda
394	175	190	190	mGGA	B13	Audi, BMW, VW, Mercedes

187	137	204	226	mGGA	B01	535 04
187	127	204	226	mGGA	B00	535 20, 540 26
187	127	204	226	mGGA	B00	535 22, 540 27
175	175	190	190	GA	B13	540 08, 542 08
210	175	175	175	mGGA	B13	536 46**/53, 540 45**/63, 544 09/59*, 545 59*
238	129	203	225	mGGA	B00	545 23/84
238	129	203	225	mGGA	B00	545 24/51
210	175	190	190	mGGA	B13	544 09*/59, 545 59, 550 03
202	173	202	225	mGGA	B07	550 41
241	175	175	175	mGGA	B13	545 19**, 555 19/59*, 560 09
233	173	203	225	mGGA	B01	560 62
233	173	203	225	mGGA	B00	560 68, 565 33
233	173	203	225	mGGA	B00	560 69, 565 34
241	175	190	190	mGGA	B13	560 09*, 562 05*/19
260	174	200	222	mGGA	B01	560 49, 570 24
260	174	200	222	mGGA	B01	560 48, 570 29, 580 09
278	175	175	175	mGGA	B13	563 18**, 564 20**, 566 13/38*, 570 44, 571 13, 572 09/12*, 574 05/12*
278	175	190	190	mGGA	B13	566 13*/38, 570 44*, 572 09*/12, 574 05*/12
260	174	200	222	mGGA	B01	560 48, 570 29, 580 09
315	175	175	175	mGGA	B13	575 39, 580 14/35*/42*
354	175	175	175	mGGA	B13	585 15, 588 20/27*
303	173	203	225	mGGA	B07	595 04, 600 32
303	173	203	225	mGGA	B07	595 05, 600 33
354	175	190	190	mGGA	B13	595 21/33, 600 44

STARTING BULL – PROVEN A MILLION TIMES OVER.

AFFORDABLE QUALITY.

Robust, fully proven and thoroughly optimised the Starting Bull is a powerful entry into the Banner brand world. This absolutely maintenance-free battery scores with top features and performance. In addition to calcium / calcium technology, the Starting Bull series offers twelve types with reliable four-chamber leak protection and enhanced safety due to central degassing and integrated backfire frits. First class attractive design with new terminal covers represents a clear indication of the potential of this battery.





Motorboats



Cars



LCV

STARTING BULL

THE ENTRY TO THE Banner BRAND WORLD.

The Banner Starting Bull is the entry level product to the Banner brand. However, safety knows no compromises and therefore this product, which has been proven millions of times meets the very latest battery design standards.

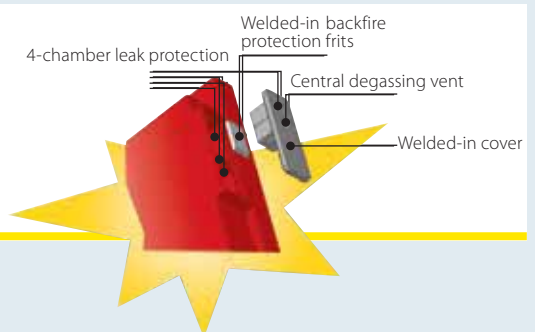
TECHNICAL DATA AND INFORMATION

- ▶ Four-chamber leak protection with integrated backfire safeguard for 12 best sellers from 44-95 Ah
- ▶ Absolutely maintenance-free due to the use of calcium / calcium technology
- ▶ Reliable cold starting behaviour
- ▶ Niche and supplementary types ensure complete coverage of the current vehicle fleet in Europe
- ▶ Simple classification due to the use of DIN and UK numbers for type designations
- ▶ Quality and know-how from Austria
- ▶ Optimum price-performance ratio



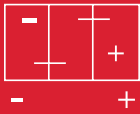
4-CHAMBER LEAK PROTECTION, THE INNOVATIVE SAFETY GUARANTEE.

Tried and tested, four-chamber leak protection is used in 12 Starting Bull Europa types. In this system, four chambers provide a safeguard against escapes of battery acid during extreme vibrations. Moreover, central degassing and welded-in backfire frits secure optimum operational safety. All these features add up to a significant increase in safety during vehicle use and handling.



THE WORLD STARTS WITH Banner.



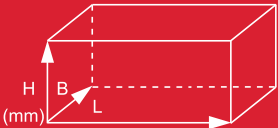
Typ	Info	Box	Ah 20 h	A EN		
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STARTING BULL

CAR BATTERY IN OEM QUALITY

6 Volt						
066 12			66	360	0	1
077 18			77	450	0	1
12 Volt						
530 30			30	300	0	4
530 34			30	300	1	4
544 09 		T4 / LB1	44	360	0	1
545 59 		H4 / L1	45	400	0	1
545 77		E2	45	300	0	1
545 79		E2	45	300	1	1
555 19 		T5 / LB2	55	450	0	1
560 08 		T5 / LB2	60	480	1	1
560 09 		T5 / LB2	60	480	0	1
560 10		BCI 75	60	675	1	5
562 19 		H5 / L2	62	510	0	1
570 44 		T6 / LB3	70	640	0	1
572 12 		H6 / L3	72	650	0	1
572 33 		H6 / L3	72	650	1	1
580 14 		T7 / LB4	80	660	0	1
588 20 		T8 / LB5	88	680	0	1
588 34 RF		H8 / L5	88	680	0	1
595 33 		H8 / L5	95	740	0	1

 Double Top,  = 4-chamber leak protection, RF = vibration-resistant, GA = battery with central degassing, HGI = hard rubber set, mG = with handle, RZS = flame arrester,
* limited use, ** with base hold-down adapter

			Application
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Length	Width	Box height	Total height			
178	175	166	188		B04	VW -1968, Trabant
216	170	166	191		B06	VW, Ford D, Trabant, Tatra 613
Length	Width	Box height	Total height			
187	128	165	165	mGGA	B00	Small tractors, BMW-Motorcycles
187	128	165	165	mGGA	B00	Small tractors
210	175	175	175	mGGA	B13	Ford, Opel
210	175	190	190	mGGA	B13	Audi, BMW, VW, Citroen, Peugeot, Renault, Fiat, Skoda
218	135	203	225		B01	Renault R8-R13, Dacia
218	135	203	225		B01	Peugeot, Honda, Dacia
241	175	175	175	mGGA	B13	Ford, Opel
241	175	175	175	mGGA	B13	Lada, Moskvïë
241	175	175	175	mGGA	B13	Ford, Opel
248	178		184	mGGA	B07	Chrysler Sebring/Stratus, GM Buick Regal/Chevy Camaro, Acura Integra/TL
241	175	190	190	mGGA	B13	Audi, BMW, VW, Citroen, Peugeot, Renault, Fiat, Skoda
278	175	175	175	mGGA	B13	Ford, Opel
278	175	190	190	mGGA	B13	Audi, BMW, VW, Citroen, Peugeot, Renault, Fiat, Skoda
278	175	190	190	mGGA	B01	Chrysler Voyager
315	175	175	175	mGGA	B13	Audi D, BMW D, Ford D, Opel D, Nissan D, Renault D, VW D
354	175	175	175	mGGA	B13	Ford D, Opel D
354	175	190	190	mGGA	B13	Citroen D, Mercedes D, VW D
354	175	190	190	mGGA	B13	Audi, BMW, Mercedes, Porsche, VW

BUFFALO BULL – NEXT GENERATION POWER.

THE TOUGH GUYS.

The Banner Buffalo Bull comes in four versions and is suitable for all types of commercial vehicle such as trucks and buses, agricultural, forestry and construction machinery, and snow groomers. The Buffalo Bull is available as a robust, first battery and in the two Buffalo Bull SHD and Buffalo Bull SHD Professional super heavy-duty versions. These power packs start any engine in every situation and because after a hard day on the road, a truck battery must provide a reliable in-board power supply, we have also created a special version for long-distance trucks. This is the Buffalo Bull EFB, which can meet the highest energy needs.





Buses



Trucks



Construction machinery



Agricultural machinery



Snow groomers

**BUFFALO BULL EFB****THE LONG-DISTANCE TRUCK POWER.**

The electrical system batteries in the commercial vehicle segment must fulfill a growing number of special requirements: The comfort function in long-distance trucks (drivers stay overnight in their trucks and use numerous electrical consumers). Extreme vibration resistance in the case of the battery integration at the rear of the truck. To meet these needs, Banner has launched the new Buffalo Bull EFB into the market. This is because today's long-distance trucks are not merely a means of transporting goods from A to B. They are also the truckers' workplace (keyword office) and frequently their mobile home (keywords kitchen, living and sleeping accommodations) for up to five days a week.

TECHNICAL DATA AND INFORMATION

- ▶ Offer of two standard battery sizes (boxes B and C) with 190 Ah or 240 Ah
- ▶ Increased cyclical resistance owing to the active mass recipe and nonwoven covers
- ▶ Robust design and top vibration resistance due to special set bonding
- ▶ Improved mesh corrosion resistance due to the use of the continuous production process
- ▶ Designed for highest energy demand due to increasing comfort functions in the long-distance truck
- ▶ Calcium technology for minimal water consumption
- ▶ Maintenance-free (no topping up with water) under normal operating conditions
- ▶ Add-ons for heightened product safety: short circuit protection, ESD plugs*
- ▶ Central degassing with integrated flame arrestor
- ▶ Dimensions in accordance with EN 50342-4:2009

**NEW!****BUFFALO BULL SHD, SHD PRO****PUTS FULL POWER INTO EVERY COMMERCIAL VEHICLE.
FROM THE DISTRIBUTOR TRUCK TO THE LINE BUS.**

Rugged, constant use in commercial vehicles puts batteries to the severest test. Moreover, over the years the demands made on modern batteries have increased greatly and in addition to cycle and vibration resistance, characteristics such as ease of maintenance, operational reliability and cold start performance are more important than ever. The optimised Buffalo Bull SHD constitutes the perfect response. Stop + Go, Cold start + Co: The Buffalo Bull SHD PROfessional is a top product that starts to show its problem-solving capacity in tough situations, when other batteries have long given up the ghost. It has thus consolidated its solid position in the lucrative retrofitting market. The battery has been equipped by Banner with unbeatable advantages that make it the ideal battery for modern distributor trucks and line buses!

TECHNICAL DATA AND INFORMATION

- ▶ Meets the requirements of Mercedes trucks
- ▶ Maintenance-free: calcium technology ensures minimum water consumption
- ▶ ConCast mesh production process and optimised mesh design provide reliable cold start performance
- ▶ SHD means extra cycle/vibration resistance in the highest E4/V3 category pursuant to EN 50342-1:2016
- ▶ Central degassing and patented four-chamber leak protection
- ▶ Captive, welded-in flame arrestors and safety screws
- ▶ Short circuit protection against short circuits caused by tools
- ▶ EN 50342-4:2009 casing height



THE BUFFALO BULL MEANS RELIABLE BRAND QUALITY.

If they opt for the Buffalo Bull, those looking for a suitable and reliable starter battery for their commercial vehicles will have made just the right decision. This is because the Buffalo Bull is a brand battery with proven Banner quality.

TECHNICAL DATA AND INFORMATION

- ▶ Niche and supplementary types for agricultural machinery and unusual commercial vehicles
- ▶ Simple maintenance due to the externally visible electrolyte level markings and practical screws
- ▶ Robust design with set bonding
- ▶ Bag separators for backfire protection and high starting current levels



BUFFALO BULL HIGH CURRENT THE MEGA COLD START POWER!

Special machines and vehicles (e.g. municipal vehicles such as sweepers or high-pressure rinsing vehicles, construction machinery and snow groomers) require ever-higher cold start current.

This is due to the high lag loads (e.g. in hydraulic units), which have to be dealt with during starting. The Buffalo Bull high current battery has been specifically developed to meet these requirements.

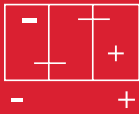
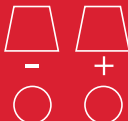
TECHNICAL DATA AND INFORMATION

- ▶ Offer of two standard battery sizes (boxes A and B) with 1,150 A or 1,400 A cold start current
- ▶ High vibration-resistance
- ▶ Calcium technology for minimal water consumption
- ▶ Maintenance-free under normal operating conditions
- ▶ Central degassing with integrated flame arrestor
- ▶ Add-ons for heightened product safety: short circuit protection, ESD plugs*
- ▶ Dimensions in accordance with EN 50342-4:2009



NEW!

ESD = electrostatic discharges are disruptive voltage breakdowns caused by major potential differences. These discharges (sometimes visible due to sparks) cause brief, high electrical current and can lead to the ignition of flammable materials. It is precisely this that the ESD plugs prevent with absolute safety.

Typ	Info	Box	Ah 20 h	A EN		
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BUFFALO BULL EFB

COMMERCIAL VEHICLE BATTERY IN OEM QUALITY – EFB-TECHNOLOGY

EFB 690 17		B	190	1050	3	1
EFB 740 17		C	240	1200	3	1

BUFFALO BULL SHD PROFESSIONAL

COMMERCIAL VEHICLE BATTERY IN OEM QUALITY – SUPER HEAVY DUTY VARIATION

SHD PRO 645 03		A	145	800	3	1
SHD PRO 680 08		B	180	1000	3	1
SHD PRO 725 03		C	225	1150	3	1

BUFFALO BULL SHD

COMMERCIAL VEHICLE BATTERY IN OEM QUALITY – SUPER HEAVY DUTY VARIATION

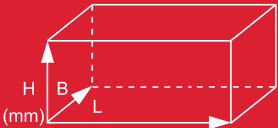
SHD 610 40		MAC 110	110	760	3	1
SHD 635 44		MAC 110	135	900	3	1
SHD 640 35		A	140	800	3	1
SHD 670 33		MAC 140	170	1000	3	1
SHD 680 32		B	180	1000	3	1
SHD 725 11		C	225	1150	3	1

BUFFALO BULL

COMMERCIAL VEHICLE BATTERY IN OEM QUALITY

600 26			100	600	0	1
600 35			100	600	1	1
605 02		BCI 31	105	1000	9	1
610 11		Compact	110	800	0	1
610 47		Compact	110	800	0	1
610 48		Compact	110	800	1	1
620 34		A	120	720	3	1
625 11		Compact	125	760	0	1
625 13		Compact	125	760	1	1
625 23		NATO 6TN	125	720	2	1
632 11		MAC 132	132	900	0	1
640 35		A	140	760	3	1
650 11		A	150	1150	3	1
680 11		B	180	1400	3	1
680 32		B	180	950	3	1
680 89		MAC 154	180	950	4	1
725 11		C	225	1050	3	1

 Double Top,  = 4-chamber leak protection, RF = vibration-resistant, GA = battery with central degassing, HGI = hard rubber set, mG = with handle, RZS = flame arrester, * limited use, ** with base hold-down adapter

			Application
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Length	Width	Box height	Total height			
514	223	195	220	mGGARZS	B00	Long-distance trucks: MAN, Mercedes, Volvo, Scania, Steyr Trucks
517	273	212	240	mGGARZS	B00	Long-distance trucks: MAN, Mercedes, Volvo, Scania, Steyr Trucks

514	189	195	220	mGGARZS	B00	Neoplan, MAN, Mercedes, Volvo, Scania, Steyr Trucks
514	223	195	220	mGGARZS	B00	Neoplan, MAN, Mercedes, Volvo, Scania, Steyr Trucks
517	273	212	240	mGGARZS	B00	Neoplan, MAN, Mercedes, Volvo, Scania, Steyr Trucks

514	175	210	210	mGGARZS	B03	MAN, Mercedes, Roman, Robur
514	175	210	210	mGGARZS	B03	MAN, Mercedes, Roman
514	189	195	220	mGRZS	B00	Steyr Trucks, MAN, Mercedes
514	218	210	210	mGGARZS	B03	MAN, Mercedes, Liaz
514	223	195	220	mGRZS	B00	Steyr Trucks, MAN, Roman, Multicar
517	273	212	240	mGRZS	B00	Steyr, MAN, Volvo-LKW

413	175	195	220	mG	B00	Mercedes D, Steyr Tractors, Daihatsu D, Barkas, Ursus
413	175	195	220	mG	B00	Daihatsu, Nissan, Mitsubishi D
330	171	218	241	mGGA	B00	Caterpillar, US Trucks
344	175	214	230	mG	B01	Iveco Daily 01.05-, Renault
344	172	214	230	mG	B00	IHC, Massey Ferguson
344	172	214	230	mG	B00	IHC, McCormick
514	189	195	220	mG	B00/01	MAN, Mercedes, Roman, MAZ
345	172	260	283	mG	B00	Massey Ferguson
345	172	260	283	mG	B00	McCormick
280	267	213	230	mG	B00	NATO 6TN
508	174	205	205	mG	B01	CNH Case New Holland, John Deere, Landini, McCormick
514	189	195	220	mG	B00/01	Steyr Trucks, MAN, Mercedes
514	189	195	220	mGGARZS	B00	Municipal vehicles, construction machinery, snow groomers
514	223	195	220	mGGARZS	B00	Municipal vehicles, construction machinery, snow groomers
514	223	195	220	mG	B00	Steyr-Trucks, MAN, Roman, Multicar, Magirus
510	216	205	225	mGGA	B03	Fiat LKW, Tractors
517	273	212	240	mG	B00	Steyr, MAN, Volvo-LKW, Caterpillar, Tatra

ENERGY BULL – FULL POWER FOR FREE TIME.

THE LEISURE SPECIALIST.

The Energy Bull is designed as a long-duration discharge battery and is therefore THE special battery for hobbies and leisure. The battery is characterised by excellent cyclical resistance and simple charging, as well as easy maintenance and operational safety. The Energy Bull thus provides portable energy for yachts, electric boats, motor caravans, caravans and camping. Moreover, the battery is also suitable for powering wheelchairs and use as an energy source for signal systems and solar panels.

Banner tip! We recommend starter batteries like the Power Bull for starting motorboats, inboard and outboard motors.

The fact that several motorhome converters & manufacturers along with caravan manufacturers now fit Energy Bull as Original Equipment proves that it is a true leisure specialist. This is further backed up by recent independent leisure press articles where the Energy Bull received excellent reviews.





Yachts



Motorhomes



Caravans



Camping



Solar power systems

THE ENERGY BULL
HAS CONVINCING DEEP CYCLE CHARACTERISTICS.

With the Energy Bull, Banner presents a special battery for hobbies and leisure. The robust Energy Bull’s characteristics make it an ideal power pack for camping/caravans, boats and use in many other applications, which extend to signal systems and electrical motor drives.

In tandem with bag separators and a special mass composition, the robust mesh structure of the battery ensures extreme cyclical resistance. The advantages at a glance:

TECHNICAL DATA AND INFORMATION

- ▶ The Energy Bull offers up to 4 times the cycle resistance of standard starter batteries and is extremely cyclical resistant and durable
- ▶ MIN/MAX markings on the transparent battery casing and easy opening make the battery maintenance-friendly
- ▶ External ignition protection is integrated into the battery cover and surge protectors
- ▶ Low maintenance is secured by minimum water consumption and self-discharge
- ▶ The suitability of any standard charger makes charging straightforward
- ▶ A top V3 vibration resistance rating pursuant to EN 50342-1:2016 is secured by plate bonding to the battery bottom and pocket separators with glass web layer
- ▶ Optimum capacity that is perfect to deal with cyclical loads
- ▶ Delivery in a filled and charged condition is both user- and environment-friendly
- ▶ Practical handles for easy transport



LONG, LONGER, LONGEST.
NO LETTING UP ALLOWED!

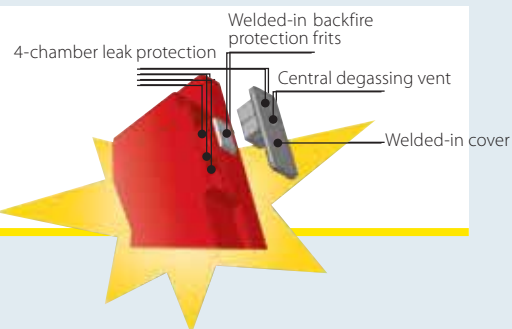
A top quality long-duration discharge battery is characterised by the fact that its power never seems to weaken. Such batteries offer uncompromising power over an extended period, as evidenced by the Energy Bull, which according to the EN cycle test provides four times the cyclical resistance of standard starter batteries. This characteristic is a recommendation for the use of the Energy Bull as a special battery for the supply of energy in every type of leisure application.

Characteristic	Starter battery	Long-duration discharge battery
Mesh alloy	Part or full calcium	Low antimony
Mesh design	Fine structure	Coarse structure
Mass type	Thin plates	Thick plates
Battery design	Cold start optimised	Special cycle mass
Separator type	Large plate surface	Large plate volume
	PE separator without glass mat	PE separator with glass mat



4-CHAMBER LEAK PROTECTION, THE INNOVATIVE SAFETY GUARANTEE.

Tried and tested four-chamber leak protection is used in virtually all Energy Bull types. In this system, four chambers provide a safeguard against escapes of battery acid during extreme vibrations. Moreover, central degassing and welded-in backfire frits secure optimum operational safety. All these features add up to a significant increase in safety during vehicle use and handling.



SURGE PROTECTORS. ENTIRELY ACID-TIGHT AND EASY TO HANDLE.

The cell screws with O-rings on the flat battery lid represent another safety bonus. These can be opened and closed without using tools, which facilitates both battery testing and refilling with water.



THE RIGHT BATTERY? JUST ASK THE ENERGY BULL CAPACITY CALCULATOR!



Which is the most suitable battery? This question is often asked when an optimum power supply is being sought for a certain piece of equipment. In such situations, the Banner Capacity Calculator at www.Bannerbatterien.com is just what's needed, as in only three steps one can quickly and easily determine the power requirement for a particular application and hence the suitable battery type.

STEP 1

Establish the power needed for the desired application, or device, etc. in watts (e.g. from various technical descriptions, stickers on the device, instructions, ...).

STEP 2

Consider and define the period of time that use of the device or application will involve before recharging.

STEP 3

If you are looking for a supply battery for your e-boat, you can calculate the correct capacity for your Energy Bull battery as follows. In a 24V electrical system, a 600 W e-motor is employed and in addition a radio, various navigation lights and an echo sounder must all be supplied with power (combined total of 50 W). Moreover, you require autonomy for five hours.

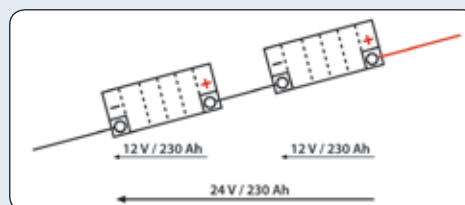
These values are used in the formula

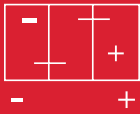
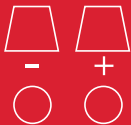
**Watt: Volt = Amperes x hours x safety factor =
Total capacity in Ah**

Accordingly

650: 25 = 27 x 5 x 1.7 = 230 Ah (K20)

As a rule, a 70% safety factor should be utilised and in the case above, we would recommend your use of two Energy Bull 968 01 batteries (230 Ah each), which should be activated in sequence.



Typ	Info	Box	Ah 5 h	Ah 20 h	Ah 100 h		
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ENERGY BULL

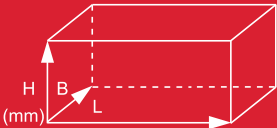
PREMIUM LEISURE BATTERIES FOR DEEP CYCLE OR LONG DURATION DISCHARGE APPLICATIONS

955 01	4K	H5 / L2	50	60	70	0	1
955 51		D26 / MO60	55	72	85	1	1
956 01	4K	H6 / L3	60	80	90	0	1
957 51	4K	H8 / L5	75	100	110	0	1
959 01	4K	LOT7	90	115	135	0	1
960 51		A	105	130	140	3	1
963 51		B	135	180	195	3	1
968 01		C	180	230	250	3	1

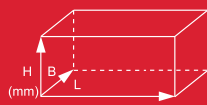
pt Double Top, 4K = 4-chamber leak protection, RF = vibration-resistant , GA = battery with central degassing, HGI = hard rubber set, mG = with handle, RZS = flame arrester,
* limited use, ** with base hold-down adapter

Ah 20 h	Capacity Ah 20 h rate
A (EN)	Cold discharge test current in A

	Layout
	Terminal

			Application
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Length	Width	Box height	Total height			
241	175	190	190	mGGA	B13	Caravan, Motorhome, Camping, Wheelchairs
256	174	205	225	mGGA	B00	Caravan, Motorhome, Camping, Boats, Wheelchairs
278	175	190	190	mGGA	B13	Caravan, Motorhome, Camping, Wheelchairs
354	175	190	190	mGGA	B13	Caravan, Motorhome, Camping, Boats
350	175	230	230	mGGA	B00	Caravan, Motorhome, Camping, Boats
514	189	195	220	mGRZS	B00	Caravan, Motorhome, Camping, Boats, Signal units
514	223	195	220	mGRZS	B00	Caravan, Motorhome, Camping, Boats
517	273	212	240	mGRZS	B00	Caravan, Motorhome, Camping, Boats

	Max. dimensions mm Length x Width x Box-/Total height
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	Battery specifications
	Base hold-down

BIKE BULL – THE MOTORCYCLE BATTERY WITH Banner POWER.

HEAD FOR FREEDOM.

Biking means a feeling of unlimited freedom. Sun, hot tarmac and seemingly endless curves. However, the fun element soon disappears if the bike fails to start. Therefore, when perfect starting and plentiful power are required, the Bike Bull is always the first choice. Especially for bikers, this power pack offers everything that is required for pure cruising pleasure. In addition, the Bike Bull also provides equally safe starts for all-terrain vehicles/quads, jet skis, snowmobiles, utility-vehicles and tractor mowers. The Bike Bull programme contains 59 battery types divided into 4 programme grades, which are available all year round.





Motorcycles road/cross



ATV/Quads



Jetskis



Riding mowers



Snowmobiles

THE BIKE BULL CLASSIC **POWER FOR MOTORBIKES.**

Entry into the world of the Banner brand is comprised by classic lead batteries with an electrolyte pack. The robust technology has been specially designed for the burdens relating to motorcycle riding. These batteries are only opened for start-up and maintenance.

TECHNICAL DATA AND INFORMATION

- ▶ High load-bearing capacity
- ▶ Safe starting even in the case of short run use
- ▶ Extensive programme consisting of 31 types
- ▶ Dry, pre-charged; enclosed electrolyte in the precisely required volume



THE BIKE BULL AGM **THE LATEST AGM TECHNOLOGY** **FOR UNIVERSAL APPLICATIONS.**

This is Banner power for motorbikes, ATVs/quads, jet skis and tractor mowers. The Bike Bull AGM is an absolutely maintenance-free battery employing the latest absorbent glass mat (AGM) technology. The acid is bound into a glass fibre web and therefore cannot escape.



TECHNICAL DATA AND INFORMATION

- ▶ High start performance with safety reserves
- ▶ AGM technology (absorbent glass mat)
- ▶ Absolute maintenance-free
- ▶ Vibration-resistant
- ▶ Dry, pre-charged; enclosed electrolyte in the precisely required volume



BIKE BULL GEL

GEL POWER FOR OFF-ROAD AND TOURING RIDERS.

The new Bike Bull GEL combines innovative GEL technology with outstanding user satisfaction levels and operational safety. It is ideally suited to enduro and touring bikes. The Bike Bull GEL is an advanced, top quality battery with non-woven web separator and fixed electrolyte for increased start performance and outstanding vibration and cyclical resistance.



TECHNICAL DATA AND INFORMATION

- ▶ First class start performance
- ▶ Excellent vibration and cyclical resistance
- ▶ Absolutely maintenance-free
- ▶ Completely leak-proof
- ▶ Lateral installation possible
- ▶ Pre-charged and ready for immediate use



BIKE BULL AGM PRO

PROFESSIONAL AGM POWER FOR THE TOUGHEST DEMANDS.

The new Bike Bull AGM PROfessional is a top product in first fitter (OEM) quality. This premium AGM battery is used for Harley Davidsons and BMW bikes, as well as for models with ABS and numerous special features. Due to its excellent stability in low temperatures, it is also ideal for snowmobiles. In combination with tipping safety, this leak-proof battery also stands out due to its vibration resistance and exceptional starting performance.



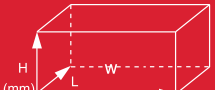
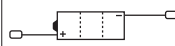
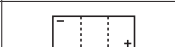
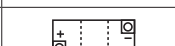
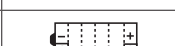
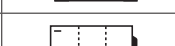
TECHNICAL DATA AND INFORMATION

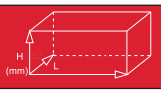
- ▶ Top class start performance
- ▶ Maximum vibration and cyclical resistance
- ▶ Absolutely maintenance-free
- ▶ Completely leak-proof
- ▶ Lateral installation possible
- ▶ Excellent stability in low temperatures
- ▶ Pre-charged and ready for immediate use




BIKE BULL – classified according to Banner type

Bike Bull 6V with electrolyte

Banner battery type	First fitting designation	Banner order number	Ah 10 h					Drawing		
Length x Width x Height										
004 12	6N4B-2A	020 004 12 0100	4	5	102	48	96	0,20	B00	
007 14	B39-6	020 007 14 0100	7	6	126	48	126	0,30	B00	
008 11	B49-6	020 008 11 0100	8	6	91	83	160	0,50	B00	
012 11	6N11A-3A	020 012 11 0100	11	6	122	62	132	0,40	B00	
012 14	6N11A-1B	020 012 14 0100	11	6	122	62	132	0,40	B00	
012 25	6N12A-2D	020 012 25 0100	12	6	156	57	116	0,50	B00	
013 14	B38-6A	020 013 14 0100	14	6	119	83	161	0,70	B00	

Ah 10 h	A (EN)				
Capacity in Ah (10h)	Low-temperature test current	Pole	Max. dimensions in mm Length x Width x Total height	Bottom strip	Acid in approx. litres

BIKE BULL CLASSIC



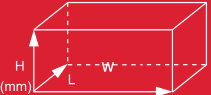
Bike Bull 12V with electrolyte

Banner battery type	First fitting designation	Banner order number	Ah 10 h					Drawing		
Length x Width x Height										
503 12	YB3L-A	020 503 12 0100	3	6	98	56	110	0,20	B00	
503 13	YB3L-B	020 503 13 0100	3	6	98	56	110	0,20	B00	
504 11	YB4L-B	020 504 11 0100	4	5	120	70	92	0,30	B00	
505 12	YB5L-B	020 505 12 0100	5	6	120	60	130	0,40	B00	
506 11	12N5,5-3B	020 506 11 0100	6	6	135	60	130	0,40	B00	
507 13	YB7-A	020 507 13 0100	8	6	135	75	133	0,60	B00	
507 14	YB7C-A	020 507 14 0100	8	3	130	90	114	0,60	B00	
509 14	YB9-B	020 509 14 0100	9	6	135	75	139	0,60	B00	
511 12	YB10L-A2	020 511 12 0100	11	8	135	90	145	0,80	B00	
511 13	YB10L-B	020 511 13 0100	11	6	135	90	145	0,80	B00	
512 11	YB12A-A	020 512 11 0100	12	6	134	80	160	0,80	B00	
512 13	YB12AL-A2	020 512 13 0100	12	8	134	80	160	0,80	B00	
512 15	YB12A-B	020 512 15 0100	12	6	134	80	160	0,80	B00	
514 11	YB14L-A2	020 514 11 0100	14	8	134	89	166	0,90	B00	
514 12	YB14-A2	020 514 12 0100	14	8	134	89	166	0,90	B00	
514 13	YB14L-B2	020 514 13 0100	14	8	134	89	166	0,90	B00	

Ah 10 h	A (EN)				
Capacity in Ah (10h)	Low-temperature test current	Pole	Max. dimensions in mm Length x Width x Total height	Bottom strip	Acid in approx. litres



Bike Bull 12V with electrolyte

Banner battery type	First fitting designation	Banner order number	Ah 10 h					Drawing		
Length x Width x Height										
516 15	YB16B-A1	020 516 15 0100	16	7	160	90	161	1,00	B00	
516 16	YB16AL-A2	020 516 16 0100	16	2	207	71	164	1,10	B00	
518 14	Europa	020 518 14 0100	19	10	186	82	171	1,00	B00	
519 12	YB16-B	020 519 12 0100	19	6	175	100	155	1,20	B00	
520 12	Y50-N18L-A	020 520 12 0100	20	7	205	90	162	1,40	B00	
528 16	Y60-N24L-A	020 528 16 0100	28	3	184	124	175	1,70	B00	
530 30		010 530 30 0101	30	10	187	128	165	1,60	B00	
530 34		010 530 34 0101	30	10	187	128	165	1,60	B00	

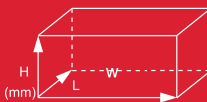
Ah 10 h	A (EN)				
Capacity in Ah (10h)	Low-temperature test current	Pole	Max. dimensions in mm Length x Width x Total height	Bottom strip	Acid in approx. litres

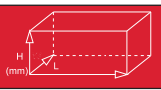
BIKE BULL AGM



Bike Bull 12 V AGM

AGM = absorbent glass mat with electrolyte

Banner bat- tery type	First fitting designation	Banner order number	Ah 10 h	A (EN)					Drawing		
Length x Width x Height											
AGM 503 14	YTX4L-BS	021 503 14 0100	3	50	5	113	70	87	0,19	B00	
AGM 504 12	YTX5L-BS	021 504 12 0100	4	80	5	113	70	105	0,24	B00	
AGM 506 14	YTX7L-BS	021 506 14 0100	6	100	5	113	70	130	0,33	B00	
AGM 506 15	YTX7A-BS	021 506 15 0100	6	105	5	150	87	95	0,38	B00	
AGM 508 12	YTX9-BS	021 508 12 0100	8	110	5	151	87	106	0,45	B00	
AGM 510 12	YTX12-BS	021 510 12 0100	10	160	5	150	87	130	0,60	B00	
AGM 512 14	YTX14-BS	021 512 14 0100	12	190	5	150	87	146	0,69	B00	
AGM 514 22	YTX16-BS	021 514 22 0100	14	210	4	150	88	161	0,80	B00	
AGM 518 21	YTX20L-BS	021 518 21 0100	18	250	4	175	87	154	0,90	B00	
AGM 518 22	YTX20CH-BS	021 518 22 0100	18	220	4	150	87	161	0,70	B00	
AGM 522 14	YTX50L-BS	021 522 14 0100	22	320	4	205	90	164	1,08	B00	

Ah 10 h	A (EN)				
Capacity in Ah (10h)	Low-temperature test current	Pole	Max. dimensions in mm Length x Width x Total height	Bottom strip	Acid in approx. litres



Bike Bull 12V GEL technology

GEL power – plug-in power

Banner battery type	First fitting designation	Banner order number	Ah 10 h	A (EN)					Drawing		
Length x Width x Height											
GEL 503 01	GTR4A-5	023 503 01 0101	3	53	12	113	48	85	-	B00	
GEL 506 01	GT7B-4	023 506 01 0101	6	90	11	150	65	92	-	B00	
GEL 506 21	GT7-3	023 506 21 0101	6	95	5	114	71	106	-	B00	
GEL 508 01	GT9B-4	023 508 01 0101	8	115	11	150	69	105	-	B00	
GEL 509 01	GTZ10-4	023 509 01 0101	9	180	11	150	86	94	-	B00	
GEL 510 01	GT12B-4	023 510 01 0101	10	185	11	150	69	130	-	B00	
GEL 510 21	GT12A-4	023 510 21 0101	10	185	11	150	87	106	-	B00	
GEL 512 01	GTZ14-4	023 512 01 0101	11	190	11	151	87	110	-	B00	
GEL 512 21	GTZ14B-4	023 512 21 0101	12	200	11	150	69	145	-	B00	
GEL 521 01	GT20H-3	023 521 01 0101	19	310	10	183	79	171	-	B00	
GEL 530 01	GT30-3	023 530 01 0101	30	380	5	168	127	177	-	B00	

Ah 10 h	A (EN)				
Capacity in Ah (10h)	Low-temperature test current	Pole	Max. dimensions in mm Length x Width x Total height	Bottom strip	Acid in approx. litres

BIKE BULL AGM PROFESSIONAL



Bike Bull 12V AGM + SLA technology in OEM quality

SLA = sealed lead acid

Banner battery type	First fitting designation	Banner order number	Ah 10 h	A (EN)					Drawing		
Length x Width x Height											
AGM PRO 509 01	ETX 9	024 509 01 0101	8	120	10	150	88	106	-	B00	
AGM PRO 514 01	ETX 14	024 514 01 0101	12	220	10	150	88	145	-	B00	
AGM PRO 516 01	ETX 16L	024 516 01 0101	19	325	10	175	100	155	-	B00	
AGM PRO 520 01	ETX 20L	024 520 01 0101	18	310	10	175	88	155	-	B00	
AGM PRO 530 01	ETX 30L	024 530 01 0101	26	400	10	168	131	176	-	B00	

Ah 10 h	A (EN)				
Capacity in Ah (10h)	Low-temperature test current	Pole	Max. dimensions in mm Length x Width x Total height	Bottom strip	Acid in approx. litres



Connecting poles

Terminal				Batterie-Type Banner					
	Front	Side	Top						
1									
2				516 16	YB16AL-A2				
3				507 14 528 16	YB7C-A Y60-N24L-A				
4				AGM 513 14 AGM 514 22 AGM 518 21 AGM 518 22	YTX15L-BS YTX16-BS YTX20L-BS YTX20CH-BS	520 11 AGM 522 14 530 15	Y50-N18L-A3 YTX50L-BS YB30L-B		
5				004 12 AGM 503 14 504 11 AGM 504 12 AGM 506 14 AGM 506 15	6N4B-2A YTX4L-BS YB4L-B YTX5L-BS YTX7L-BS YTX7A-BS	GEL 506 21 AGM 508 12 AGM 510 12 AGM 512 14 519 15 GEL 530 01	GT7-3 YTX9-BS YTX12-BS YTX14-BS YB16HL-A-CX GT30-3		
6				007 14 008 11 012 11 012 14 012 25 013 14 503 12 503 13	B39-6 B49-6 6N11A-3A 6N11A-1B 6N12A-2D B38-6A YB3L-A YB3L-B	505 12 506 11 507 13 509 14 511 13 512 11 512 15 519 12	YB5L-B 12N5,5-3B YB7-A YB9-B YB10L-B YB12A-A YB12A-B YB16-B		
7				516 15 520 12	YB16B-A1 Y50-N18L-A				
8				511 12 512 13 514 11	YB10L-A2 YB12AL-A2 YB14L-A2	514 12 514 13 514 14	YB14-A2 YB14L-B2 YB14-B2		
9									
10				AGM PRO 509 01 AGM PRO 514 01 AGM PRO 516 01 518 14 Europa	ETX 9 ETX 14 ETX 16L	GEL 521 01 AGM PRO 520 01 AGM PRO 530 01 530 30	GT20H-3 ETX 20L ETX 30L 530 34		
11				GEL 506 01 GEL 508 01 GEL 509 01 GEL 510 01	GT7B-4 GT9B-4 GTZ10-4 GT12B-4	GEL 510 21 GEL 512 01 GEL 512 21	GT12A-4 GTZ14-4 GTZ14B-4		
12				GEL 503 01	GTR4A-5				
13									
14									



Banner

THE POWER COMPANY

GARDEN BULL – PREMIUM QUALITY HAS ARRIVED FOR TRACTOR MOWERS.

IT'S TIME TO GET MOWING!

For some eighty years, Banner has been producing highly efficient and innovative starter and industrial batteries. Today, the company supplies automotive, motorcycle and commercial vehicle manufacturers, as well as the free component market via its branches and direct importers in over fifty nations around the world.

Banner also places a special emphasis on a successful and comprehensive range of offers for sport and leisure. Its reliable battery power starts motorcycles, quads, jet skis, all-terrain vehicles, scooters, snowmobiles, utility-vehicles and as of now, gardening machines such as tractor and ride-on mowers.





Riding mowers

GARDEN BULL

PREMIUM QUALITY FOR TRACTOR MOWERS!

The Garden Bull has been developed specially for garden mowers and offers the very latest battery technology, which incorporates long service life, excellent performance, outstanding reliability, a low self-discharge rate and high levels of cold start power. How powerful a battery really is shows the performing during the first start after the long winter break.

TECHNICAL DATA AND INFORMATION

- Offer from 6 powerful versions with 18 to 30 Ah capacity
- Pre-charged with electrolyte pack. After filling ready for use
- Shock-resistant, safe against tipping and leaks when installed vertically
- Innovative quality: up to 30 % more starting power than standard battery
- Excellent performance, long service life and low self-discharge rate
- Ideal in winter when tractor mowers are used for snow clearance
- Suitable for 90 % of all lawn tractors



Banner battery type	First fitting designation	Banner Bestell-Nr.	Ah 10 h	A (EN)	
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GARDEN BULL

518 19	U1R-7	026 518 19 0100	18	195	T4
524 21	12N24-3	026 524 21 0100	24	225	T4
524 22	12N24-4	026 524 22 0100	24	225	T4
524 25	U1-9	026 524 25 0100	24	260	T4
524 26	U1R-9	026 524 26 0100	24	260	T4
530 20	U1R-32	026 530 20 0100	30	290	T4

Ah 10 h	A (EN)				
Capacity in Ah (10h)	Low-temperature test current	Pole	Max. dimensions in mm Length x Width x Total height	Bottom strip	Acid in approx. litres

HOW TO KEEP THE GARDEN BULL IN TRIM!

OPTIMUM CHARGING – OPTIMUM PERFORMANCE.

Only a fully charged GARDEN BULL can deliver full power and the ideal charging current amounts to 10 per cent of battery capacity. Therefore, a 24 Ah battery is best charged with 2.4A.

The **Banner ACCUCHARGER 3A** (Art. No. 1240000030) boosts batteries fully automatically and once charging has been completed switches over to charge retention, which is perfect during long standstills. Moreover, thanks to its large LED display and user guidance, the ACCUCHARGER offers clear and straightforward operation.



BATTERY TESTING MADE SIMPLE.

Using the digital **BBT DV1** voltmeter (Art. No. 1210000121) testing the GARDEN BULL is very easy. The handy device is suitable for all 6/12V and immediately provides a precise measurement. Using this overview, the GARDEN BULL's charge status can be read off directly.



REGULAR CHECKS FOR PROLONGED SERVICE LIFE.

The GARDEN BULL is maintenance-free, but its service life and performance can nonetheless be maximised by means of the following simple measures:

1. Check the acid level and if necessary top up with distilled water.
2. Keep the battery and the terminals clean.
3. Make sure the clamps and cables are sitting firmly.
4. Examine the battery casing for damage.



DETAILED INFORMATION IS SUPPLIED WITH EVERY GARDEN BULL!

			Drawing
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Length	Width	Height			
196	131	183	1,80	B00	
182	124	178	1,70	B00	
182	124	178	1,70	B00	
196	131	183	1,70	B00	
196	131	183	1,70	B00	
196	131	183	1,60	B00	

Ah 10 h	A (EN)				
Capacity in Ah (10h)	Low-temperature test current	Pole	Max. dimensions in mm Length x Width x Total height	Bottom strip	Acid in approx. litres

Banner *BATTERIES* ARE AS STRONG AS A BULL TECHNOLOGY PRODUCES THE POWER!

MORE THAN EIGHT DECADES OF BATTERY KNOW-HOW.

Every Banner battery contains the specialist knowledge derived from eight decades of battery development. We understand all the technical requirements in the automotive sector and therefore offer our products in numerous variations. This section also contains comparative tables, circuits, terminal versions, bottom strips and the general instructions for the use of starter batteries.



PRODUCT VARIATIONS



Banner PRODUCT VARIATION IN IDENTICAL OR ALTERNATIVE CASINGS

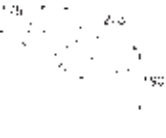
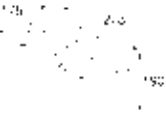
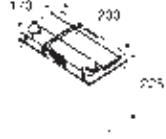
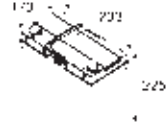
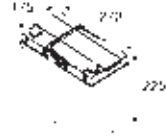
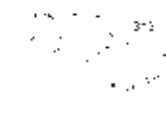
Casing type	Max. dimensions in mm	Running Bull	Power Bull	Starting Bull
35NS / B19		EFB 538 15	P40 25	
			P40 26	
			P40 27	
45NS / B24		EFB 555 15	P45 23	
			P45 24	
E2				545 77
				545 79
H3 / L0			P42 08	

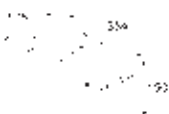
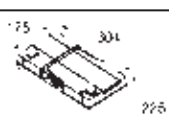
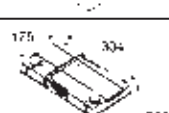
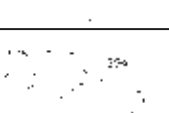
Casing type	Max. dimensions in mm	Running Bull	Power Bull	Starting Bull
T4 / LB1			DT PRO P50 42 DT P44 09	4K 544 09
H4 / L1			DT PRO P50 40 DT P50 03	4K 545 59
D20		EFB 565 15/D23	P50 41/D20 P60 68/D23 P40 26/35NS**	
		EFB 565 16/D23	P60 69/D23 P40 27/35NS**	
T5 / LB2				4K 560 08
			DT PRO P63 42	4K 555 19
			DT P60 09	4K 560 09
H5 / L2		AGM 560 01 EFB 560 11	DT PRO P63 40 DT P62 19	4K 562 19

* With terminal sleeve

** mit Polhülse



Casing type	Max. dimensions in mm	Running Bull	Power Bull	Starting Bull
T6 / LB3		EFB 565 12	PRO P77 42 P72 09	570 44 4K
H6 / L3		AGM 570 01 EFB 570 11	PRO P77 40 P74 12	572 12 4K
				572 33 4K
D23		EFB 565 15	P60 68 P60 62	
		EFB 565 16	P60 69	
D26 / MO60			P70 24	
		EFB 570 15	P70 29 P80 09	
T7 / LB4		EFB 575 12	P80 14	580 14 4K
H7 / L4		AGM 580 01 EFB 580 11	PRO P84 40	

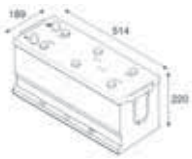
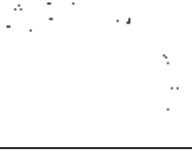
Casing type	Max. dimensions in mm	Running Bull	Power Bull	Starting Bull
T8 / LB5			P88 20 DT	588 20 4K
H8 / L5		AGM 592 01	PRO P100 40 DT P95 33 DT	588 34 RF
		AGM 592 01	PRO P100 40 DT P95 33 DT	595 33 4K
D31 / 56 AT		EFB 595 15	P95 04	
			P95 05	
H9 / L6		AGM 605 01	PRO P110 40 DT	

As at 06/2018

PRODUCT VARIATIONS



Casing type	Max. dimensions in mm	Buffalo Bull	Energy Bull
Compact 110 Ah		610 11	
		610 47	
		610 48	
Compact 125 Ah		625 11	
		625 13	
MAC 110		SHD 635 44 SHD 610 40	
MAC 140		SHD 670 33	
MAC 154		680 89	

Casing type	Max. dimensions in mm	Buffalo Bull	Energy Bull
A		SHD PRO 645 03 SHD 640 35 650 11 High Current	960 51
		640 35 620 34	
B		EFB 690 17 SHD PRO 680 08 SHD 680 32	963 51
		680 32 680 11 High Current	
C		EFB 740 17 SHD PRO 725 03 SHD 725 11 725 11	968 01

As at 06/2018

COMPARISON TABLE

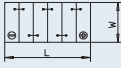
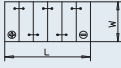
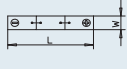
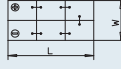
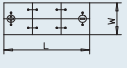
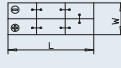


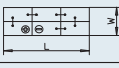
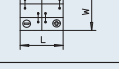
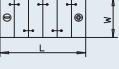
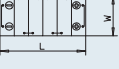
TABLE OF COMPARISONS FOR UK Banner NO./DIN NO. AND JAPANESE PART NO. (JIS)/Banner NO.

		UK No.	Banner No.	JIS No.	Banner No.	JIS No.	Banner No.
002L / 202	P42 08	629 (180Ah)	680 32, 680 11 High Current	N 50 Z	P70 24	40 B 19 R	P40 27
002R	532 02	629 Box Premium Leisure	963 51	N 50 ZL	P70 29, P80 09	46 B 24 L	P45 23
004L / 008	P50 41	629 EFB OE	EFB 690 17	N 60	P60 69	46 B 24 L (S)	P45 23
005L	P60 68	629 SHD	SHD 680 32	N 60	P45 24	46 B 24 R	P45 24
005L BH	P60 62	629 SHD PROfessional	SHD PRO 680 08	N 60 (S)	P45 24	46 B 24 R (S)	P45 24
005L EFB OE	EFB 565 15	630 SHD	SHD 635 44	N 60 L	P60 68	48 D 26 L	P70 29, P80 09
005L HD	EFB 565 15	632	725 11	N 60 L	P45 23	48 D 26 R	P70 24
005R / 014	P60 69	632 EFB OE	EFB 740 17	N 60 L (S)	P45 23	50 B 24 L	P45 23
012	P50 03, 545 59	632 SHD	SHD 725 11	N 70	P95 05	50 B 24 LS	P45 23
012 UR	PRO P50 40	632 SHD PROfessional	SHD PRO 725 03	N 70 L	P95 04	50 B 24 R	P45 24
017	588 34 RF	637	640 35, 650 11 High Current	N 70 Z	P95 05	50 B 24 R (S)	P45 24
017 / 024	P88 20, 588 20	637 SHD	SHD 640 35	N 70 ZL	P95 04	50 D 20 L	P50 41
019	P95 33, 595 33	637 SHD PROfessional	SHD PRO 645 03	N S 100 565	P70 29, P80 09	50 D 20 R	550 42*
019 AGM OE	AGM 592 01	643	590 17*, 610 47	N S 70	P70 24	55 B 24 L	P45 23
019 UR	PRO P100 40	644	590 18*, 610 48	NT 60 54	P45 24	55 B 24 LS	P45 23
020	PRO P110 40	647	625 11	NT 60 SL4	P40 27	55 B 24 R	P45 24
020 AGM OE	AGM 605 01	648	625 13	NT 80 S 6	P40 26	55 B 24 R (S)	P45 24
025 / 027	P62 19, 562 19	655	635 11	NT 80 56LS	P45 23	55 D 20 L	P50 41
027 AGM OE	AGM 560 01	656	635 13	NT 80 56S	P45 24	55 D 20 R	550 42*
027 EFB OE	EFB 560 11	663	610 47	N X 100 56	P45 24	55 D 23 L	P60 68
027 UR	PRO P63 40	663 BH	610 11	N X 100 56L	P45 23	55 D 23 R	P60 69
037	538 37	664	610 48	N X 100 56LS	P45 23	55 D 26 L	P70 29, P80 09
038	538 80	678 Box Premium Leisure	955 51	N X 100 56S	P45 24	55 D 26 R	P70 24
043 / 057 / 159	P45 24	678 Standard Leisure	VL678	N X 110 S	P70 24	65 D 23 L	P60 68
044 / 053 / 158	P45 23	679 Standard Leisure	VL679	N X 110 S L	P70 29, P80 09	65 D 23 R	P60 69
044 / 053 / 158 EFB OE	EFB 555 15	6TN	625 23	N X 120 7	P70 24	65 D 26 L	P70 29, P80 09
048	545 77	895 / 101	530 30	N X 120 7L	P95 04	65 D 26 R	P70 24
049	545 79	896	530 34	N X 120 L	P95 04	65 D 31 L	P70 29, P80 09
054	P40 26	AUX9 OE	509 00/AUX 09	N 100	600 35	65 D 31 R	P70 24
054 BH	P40 25	AUX14 OE	514 00/AUX 14	N 100 L	600 26	70 D 23 L	P60 68
054 EFB OE	EFB 538 15	GR 31	610 50*	N 100 Z	600 35	70 D 23 R	P60 69
055	P40 27	MAC 140 SHD	SHD 670 33	N 100 ZL	600 26	70 D 26 L	P70 29, P80 09
063 (40Ah)	P44 09, 544 09	Type 31 / DP110 Centre Post	605 02	N 100 L	680 89	70 D 26 R	P70 24
063 (44Ah)	P44 09, 544 09	U.S.A.	560 10	N 150 L	680 32	70 D 31 L	P95 04
063 UR	PRO P50 42			N 200	700 29	70 D 31 R	P95 05
065 Box Premium Leisure	955 01			N 200 L	725 11	75 D 26 L	P70 29, P80 09
065 / 075	P60 09, 560 09, 555 19			N 120	620 34	75 D 26 R	P70 24
068	P70 29			NS 40	P40 27	75 D 31 L	P95 04
068 EFB OE	EFB 570 15			NS 40 L	P40 26	75 D 31 R	P95 05
068 HD	P80 09			NS 40 Z	P40 27	80 D 26 L	P70 29, P80 09
069	P70 24			NS 40 Z (S)	P40 27	80 D 26R	P70 24
072	570 72			NS 40 ZA	P40 26	85 E 41 L	600 26
075	P60 09, 560 09, 555 19			NS 40 ZA (S)	P40 26	85 E 41 R	600 35
075 UR	PRO P63 42			NS 40 ZAL	P40 27	95 D 26 L	P70 29, P80 09
078	560 08			NS 40 ZAL (S)	P40 27	95 D 26 R	P70 24
082 / 086	572 33			NS 40 ZL	P40 26	95 D 31L	P95 04
088	570 88			NS 40 ZL (S)	P40 26	95 D 31R	P95 05
089	570 89			NS 60	P45 24	95 E 41 L	600 26
096	P74 12, 572 12			NS 60 (S)	P45 24	95 E 41 R	600 35
096 AGM OE	AGM 570 01			NS 60 L	P45 23	105 D 31 L	P95 04
096 Box Premium Leisure	956 01			NS 60 L (S)	P45 23	105 D 31 R	P95 05
096 EFB OE	EFB 570 11			Y 100 56	P45 23	105 E 41 L	600 26
096 UR	PRO P77 40			12N 24 - 3	530 30	105 E 41 R	600 35
100	P72 09, 570 44			12N 24 - 4	530 34	110 D 26 L	P70 29, P80 09
100 EFB OE	EFB 565 12			26 A 19 L	530 30	110 D 26 R	P70 24
100 UR	PRO P77 42			26 A 19 R	530 34	110 F51	620 34
110	P80 14, 580 14			28 B 19 L	P40 26	115 F51	620 34
110 / 679 Box Premium Leisure	959 01			28 B 19 R	P40 27	115 D 31 L	P95 04
110 AGM OE	AGM 580 01			32 A 19 L	530 30	115 D 31 R	P95 05
110 / 115	P80 14, 580 14			32 A 19 R	530 34	130 E 41 L	600 26
110 EFB OE	EFB 575 12			32 B 20 L	P40 26	135 G51 R	680 89
110LB / 019 Box Premium Leisure	957 51			32 B 20 R	P40 27	135 G51 L	680 32
115 EFB OE	EFB 580 11			32 C 24 L	P45 23	145 G51 R	680 89
115 UR	PRO P84 40			32 C 24 R	P45 24	145 G51 L	680 32
221 / 616	600 26			34 B 17 L	P40 26	165 G51 R	680 89
221R	600 35			34 B 17 R	P40 27	165 G51 L	680 32
249 / 335	P95 04			34 B 17 R (S)	P40 27	170 F51 L	680 32
249 / 335 EFB OE	EFB 595 15			34 B 19 L	P40 26	180 G61 L	680 32
250 / 334	P95 05			34 B 19 L (S)	P40 26	190 H52 R	700 29
404	077 18			36 B 20 L	P40 26	190 H52 L	725 11
421	066 12			36 B 20 R	P40 27	210 H52 L	725 11
615 SHD	SHD 610 40			38 B 19 R	P40 27	245 H52 L	725 11
623	680 89			38 B 20 L	P40 26		
624	700 29			38 B 20 L (S)	P40 26		
625 Box Premium Leisure	968 01			38 B 20 R	P40 27		
627	620 34			38 B 20 R (S)	P40 27		
627 Box Premium Leisure	960 51			40 B 19 L	P40 26		
629 (170Ah)	680 32, 680 11 High Current						

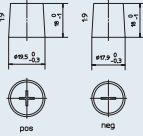
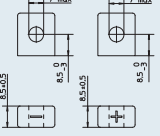
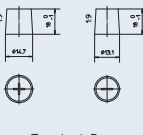
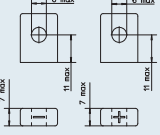
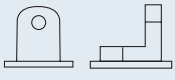
* Not in range

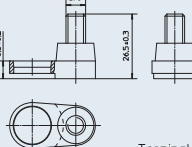
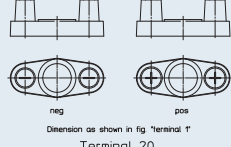
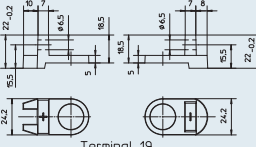
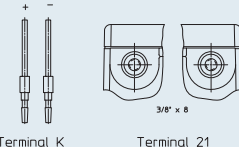
LAYOUT

	6 Volt	12 Volt
0		
1		
2		
3		
4		

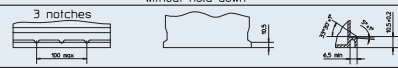
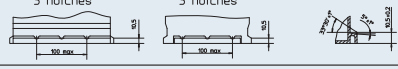
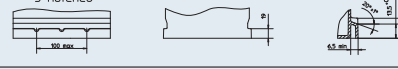
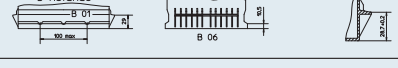
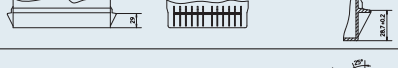
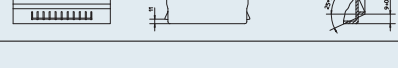
	6 Volt	12 Volt
5		
6		
9		
10		

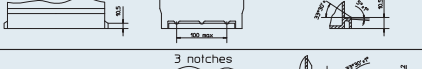
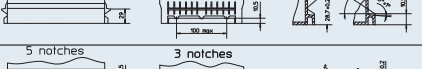
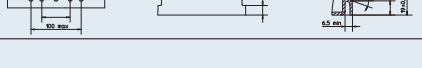
TERMINALS

 Terminal 1	 Terminal 4
 Terminal 3	 Terminal 5
 Terminal T4	

 Terminal 8	 Terminal 20 Dimension as shown in fig. "Terminal 1"
 Terminal 19	 Terminal K Terminal 21

BASE HOLD-DOWNS

B 00	without hold down
B 01	
B 03	
B 04	
B 05	
B 06	
B 07	

B 09	
B 11	
B 12	
B 13	
B 14	

INSTRUCTIONS FOR THE USE OF STARTER BATTERIES



1. Storage and transport

- Store batteries in a dry, light-protected and cool environment (frost-free).
- At the latest, recharge starter batteries in the case of off-load voltage < 12.5 V (see Note 3).
- Banner declares all its conventional starter batteries to be wet and filled with acid in accordance with UN 2794. All recombination batteries (AGM, GEL, VRLA) correspond with UN 2800.
- Wet-filled batteries must be transported in an upright position, as otherwise acid may escape.
- During transportation secure the battery to prevent it falling over or sliding around.
- First in, first out (FIFO) receipt.

2. Installation and removal from the vehicle.

Only install batteries with an off-load voltage of > 12.5 V.

- Follow the vehicle instructions.
- Switch off the engine and all power consumers prior to installing or removing the battery.
- Avoid short circuits due to tools.
- When removing the battery, first disconnect the negative (-) terminal and then the positive (+) terminal.
- Interruptions to the power supply may result in data loss. The Banner Memory Saver can help.
- Prior to installing the battery, clean the battery compartment.
- Ensure that the battery is secured tightly.
- Clean terminals and battery clips and lubricate slightly with acid-free grease.
- When fitting the battery first connect the positive (+) terminal and then the negative (-) terminal. Ensure that the clips are secured.
- Some vehicle batteries are fitted with a hose and an elbow attachment for the discharge of the battery gases. Should this be the case in your vehicle, the hose is to be inserted into the corresponding degassing vent in the battery via the elbow. If a degassing vent exists on the other side, this must be closed with a sealing plug.
- Should you require a replacement sealing plug, or a degassing hose, please contact your local Banner specialist.

3. Battery recharging

- Before recharging wet batteries, check the electrolyte level and top up if necessary with de-ionised or distilled water to the acid level mark or 15 mm above the upper edge of the plates at a maximum.

Banner recommends that standard wet batteries be charged outside the vehicle for 24 hours. For the correct charging voltage per battery type, please see the technical data sheet (for every Banner battery, this is integrated into the menu tab "Downloads")

Warning! Many chargers have a type of resuscitation mode for deeply discharged Ca/Ca batteries. However, these only maintain a charging voltage of 16 V for a short period.

Running Bull AGM/BackUp. Always recharge with a voltage-controlled charger (max. 14.8 V). The use of a standard charger without voltage control destroys the battery due to overloading and causes the electrolyte to escape.

Warning! Follow the vehicle manufacturer's instructions when disconnecting the terminals.

- Batteries may only be charged with direct current. Connect the positive (+) battery terminal to the positive (+) terminal of the charger, and the negative (-) battery terminal to the negative (-) terminal of the charger.
- Do not switch on the charger until the battery has been connected. First switch off the charger when charging is completed.
- It is recommended that the charging current be equal to at least one tenth of the capacity (e.g. 44 Ah: 10 = 4.4 A charging current).
- The temperature of the acid may not be higher than 55°C during charging. If the temperature exceeds this level, the charging process must be discontinued.
- Charging is finished when the current drops to 0 or stops falling, or if the automatic charger switches off.
- Charging must be performed in a well-ventilated room.
- The battery screws may not be opened.
- Ensure that recharging amounts to 1.2 times the consumed capacity (e.g. Consumed capacity 30 Ah, recharge 36 Ah).

Warning! Oxyhydrogen gas is formed during charging! Fires, sparks, open flames and smoking are strictly prohibited!

Recharging batteries in the vehicle.

As a rule, fully automatic chargers (max. charging voltage 14.8 V) are well suited

to the charging of batteries installed in the vehicle. Should the charger have an automatic mode with > 15.9 V voltages, the battery must be separated from the vehicle electrical system or removed from the vehicle. Otherwise, in a worst-case scenario the installed control devices can be destroyed due to overvoltage with huge resultant damage. Please take careful note of the battery charger type. Useful tips regarding charging in the vehicle are often contained in the operating instructions of the vehicle manufacturer or those of the charger producer.

4. Maintenance

In order to ensure long battery life, the following instructions should be followed:

- Keep the surfaces of the battery clean and dry.
- Check the acid levels regularly and if necessary top up with deionised or distilled water. Never top up with acid. If a substantial water loss occurs, an expert should check the voltage regulator.
- Do not put so-called additives into the battery acid.
- **Warning!** Should the off-load voltage fall to < 12.5 V, recharge immediately in order to prevent lasting battery damage.

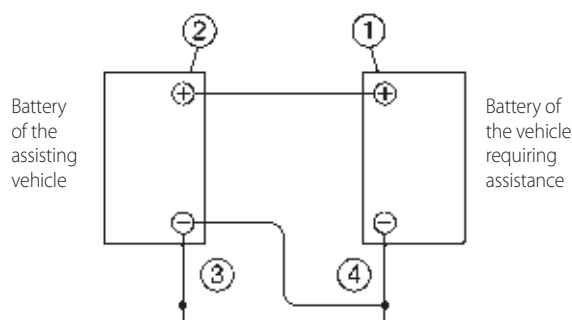
Running Bull AGM/BackUp. AGM batteries may not be opened. Acid density measurement and topping up with distilled water are neither possible nor necessary.

Banner tip. Quarterly recharging of the battery greatly prolongs its life.

5. Assisted starting

- In view of the sensitive electronic components in the vehicle, as a rule starting assistance should only be provided by means of a Banner Booster.
- Starting assistance from vehicle to vehicle can lead to voltage peaks during disconnection, which can damage or even destroy vehicle electronic systems.
- Therefore, it is essential that the following procedure be strictly observed when using starter cables!
- Standardised starter cables (e.g. in accordance with DIN 72 553) should always be used for giving starting assistance.
- Observe the instructions for use of the starter cables.
- Only connect batteries with the same nominal voltage.
- **When connecting the terminals, switch off both vehicle engines!**

First connect the two positive terminals (1) with (2). Then connect the negative terminal of the assisting vehicle (3) with (4), the blank metallic point on the vehicle needing assistance, away from the battery. (Observe the instructions of the vehicle manufacturer.)



- Now start the vehicle needing assistance for a maximum of 15 seconds. Do not start the assisting vehicle.
- When disconnecting the terminals, remove the cables in the reverse sequence to the above.

6. Decommissioning

- Charge the battery (see Note 3) and store in a cool dry place.
- Should the battery be left in the vehicle, disconnect the negative terminal.
- Regularly check the off-load voltage (see Note 4).

7. Influence of high temperatures

If batteries are subjected to high temperatures for long periods, this promotes both increased water consumption and grid corrosion. A corroded grid is no longer able to conduct current and therefore the battery fails. Resultant grid growth can also result in battery short circuits.

Warnings and Safety Rules for Lead-Acid Batteries



Take note of the information on the battery, the instructions for use and the operating instructions of the vehicle.



Wear eye protection.



Keep children away from acid and batteries.



Explosion danger:

- A highly explosive oxyhydrogen gas is emitted during battery charging therefore:



No naked flames, sparks, naked lights or smoking:

- Avoid sparking when handling cables and electronic devices.
- Avoid short circuits.



Chemical burns danger:

- Acid is highly caustic therefore:
- Wear gloves and eye protection.
- Do not tilt the battery, as acid could spill out from the degassing vents.



First Aid:

- If acid splashes into the eyes rinse immediately with clear water for several minutes. Then consult a physician.
- If acid splashes onto the skin or clothes neutralise immediately by using an alkaline solution or soap and rinse with large amounts of water.
- If acid is swallowed consult a physician immediately.



Warning:

- Do not expose batteries to direct sunlight without protection.
- Always store batteries in a frost-free area, as discharged batteries can freeze.



Disposal:

- Hand in used batteries at a collection centre. During transportation take note of the instructions contained in Item 1. Never dispose of old batteries with domestic waste.

LOW-TEMPERATURE TEST CURRENT FOR STARTER BATTERIES ACCORDING TO VARIOUS STANDARDS

Low-temperature test current is a benchmark for the starting capacity of a battery at minus 18°C.

1. DIN (Deutsche Industrie Norm) DIN EN 50342

The test is carried out at minus 18°C. Following a discharge with low-temperature current I at an end voltage of 7.5 V, the discharge period should amount to at least 10 seconds.

In addition, the battery must fulfil two additional requirements.

The period up to 6V final voltage shall amount to:

After C1:t 6 V > 90 seconds

After C2:t 6 V > 150 seconds

2. SAE (US standard)

The test is carried out at minus 18°C. With low-temperature current of up to 7.2 V, the discharge period should amount to at least 30 seconds.

$$SAE = \frac{DIN}{2} \times 3 + 40$$

3. IEC (International Electrotechnical Commission) 95-1

The test is carried out at minus 18°C. Following a discharge with the low-temperature current (I cc) after 60 seconds the voltage should amount to at least 8.4 V.

$$IEC = \frac{DIN}{0.85}$$

Reserve capacity

Following dynamo failure, reserve capacity represents the number of minutes during which a battery can supply power until the next repair shop can be reached. However, this figure is dependent upon the consumers in the vehicle. IEC envisages the following test:

Discharge with 25 A down to an end voltage of 10.5 V at a temperature of 27°C.

Measured time in minutes = reserve capacity

4. EN (Europa Norm) DIN EN 50342

The test is carried out at minus 18°C. Following a discharge with the low-temperature current I at an end voltage of 7.5 V, the discharge period should amount to at least 10 seconds.

In addition, the battery must fulfil two additional requirements.

The period up to 6 V final voltage shall amount to:

After C1:t 6 V > 90 seconds

After C2:t 6 V > 150 seconds

$$EN (C_1) = \frac{IEC}{0.6} \quad IEC = \frac{DIN}{0.85}$$

$$EN (C_2) = \frac{DIN}{0.6} \quad EN (C_1) = \frac{DIN}{0.6 \times 0.85} = \frac{DIN}{0.51}$$

As the prescribed graduations are defined in the EN, the currents are to be adjusted by rounding up or down:

- < 200 A – Level 10 A
- 200 – 300 A – Level 20 A (220, 240, 260, 280 A)
- 300 – 600 A – Level 30 A (330, 360, 390, 420, 450, 480, 510, 540, 570 A)
- 600 – 800 A – Level 40 A (640, 680, 720, 760 A)
- > 800 A – Level 50 A

CLASSIFICATION LISTS.

STARTER BATTERIES 74
TRUCK BATTERIES 114
MOTORCYCLE BATTERIES 152

Dear Customer,

Banner products are backed by many years of experience, stringent quality requirements and the latest technologies. This adds up to the certainty that you can provide your customers with outstanding brand products with which they will be satisfied. We have classified every vehicle brand with maximum care and to the best of our ability. However, we cannot guarantee that individual automotive manufacturers always install the same battery type per model and year. Therefore, we must point out that Banner will accept no claims arising from a possibly different classification and equally no responsibility is assumed for errors and omissions.



CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull BackUp
Aixam					
400, 741, Berline, Cabriolet, City, Minivan, Mega Club, Pick-up, Scouty, Twin	01.99-		P42 08		
Alfa Romeo					
145 (930) 1,3-1,6	07.94-01.01		PRO P50 40 P50 03	545 59	
145 (930) 1,7-2,0	07.94-01.01		PRO P63 40 P62 19	562 19	
145 (930) 1,9 TD, JTD	07.94-01.01		PRO P77 40 P74 12	572 12	
146 (930) 1,3-1,6	12.94-01.01		PRO P50 40 P50 03	545 59	
146 (930) 1,7-2,0	12.94-01.01		PRO P63 40 P62 19	562 19	
146 (930) 1,9 TD, JTD	12.94-01.01		PRO P77 40 P74 12	572 12	
147 (937) 1,6-2,0	09.01-03.10		PRO P63 40 P62 19	562 19	
147 (937) 1,9 JTD	09.01-03.10		PRO P77 40 P74 12	572 12	
155 (167) 1,6-2,0	02.92-12.97		PRO P63 40 P62 19	562 19	
155 (167) 1,9 TD, JTD	02.92-12.97		PRO P77 40 P74 12	572 12	
156+Sportwagon (932) 1,6-1,8	09.97-05.06		PRO P63 40 P62 19	562 19	
156+Sportwagon (932) 1,9-2,4 JTD, 3,2 GTA	09.97-05.06		PRO P77 40 P74 12	572 12	
156+Sportwagon (932) 2,0-2,5 V6	09.97-05.06		PRO P77 40 P74 12	572 12	
159 (939) 1,8-2,2	06.05-11.11		PRO P63 40 P62 19		
159 (939) 3,2 V6	06.05-11.11		PRO P77 40 P74 12		
159+Sportwagon (939) 1,9 JTD	06.05-11.11		PRO P63 40 P62 19		
159+Sportwagon (939) 2,4 JTD	06.05-11.11		PRO P77 40 P74 12		
164 (164) 2,0 4cyl.	01.87-09.98		PRO P63 40 P62 19	562 19	
164 (164) 2,0-3,0 6cyl.	01.87-09.98		PRO P63 40 P62 19	562 19	
164 (164) 2,5 TD	01.87-09.98		PRO P100 40 P95 33	595 33	
166 (936) 2,0-3,2 V6	09.98-06.07		PRO P77 40 P74 12	572 12	
166 (936) 2,4 JTD	09.98-06.07		PRO P100 40 P95 33	595 33	
4C 1,8	03.13-		PRO P63 40 P62 19		
4C 1,6 JTDM	03.13-		PRO P77 40 P74 12		
4C 1,8 Start/Stop**	03.13-	EFB 560 11 AGM 560 01			
4C 1,6 JTDM Start/Stop**	03.13-	EFB 570 11 AGM 570 01			
8C V8	03.07-		PRO P77 40 P74 12		
Brera (939) 1,8	01.06-		PRO P50 40 P50 03		
Brera (939) 2,2-3,2 V6	01.06-		PRO P63 40 P62 19		
Brera (939) 2,4 JTDM	01.06-		PRO P77 40 P74 12		
Giulietta (940) 1,4-1,8 Turbo	04.10-		PRO P63 40 P62 19		
Giulietta (940) 1,6-2,0 JTDM	04.10-		PRO P77 40 P74 12		

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull BackUp
Giulietta (940) 1,4-1,8 Turbo Start/Stop**	04.10-	EFB 560 11 AGM 560 01			
Giulietta (940) 1,6-2,0 JTDM Start/Stop**	04.10-	EFB 570 11 AGM 570 01			
GT (937) 1,8-3,2 GTA, 1,9 JTD	11.03-		PRO P63 40 P62 19	562 19	
GTV (916C_) 1,8-3,2 V6	09.94-		PRO P77 40 P74 12	572 12	
MiTo (955) 1,6 JTDM	07.08-		PRO P77 40 P74 12		
MiTo (955) 1,3 JTDM; 0,9-1,4 Start/Stop**	09.08-	EFB 560 11 AGM 560 01			
MiTo (955) 1,6 JTDM Start/Stop**	09.08-	EFB 570 11 AGM 570 01			
Q2	03.07-		PRO P63 40 P62 19		
RZ Zagato 3,0 V6	01.92-12.94		PRO P63 40 P62 19	562 19	
Spider (916) 1,8-2,0	09.94-04.05		PRO P63 40 P62 19	562 19	
Spider (916) 3,0-3,2 V6	09.94-04.05		PRO P77 40 P74 12	572 12	
Spider (939) 3,2 JTS	09.06-		PRO P63 40 P62 19		
Spider (939) 2,4 JTDM	09.06-		PRO P77 40 P74 12		
Stelvio 2,0 Q4 (949)**	12.16-	EFB 570 11 AGM 570 01			
Stelvio 2,9 Q4 (949)**	12.16-	EFB 580 11 AGM 580 01			
Stelvio 2,2 D Q4 (949)**	12.16-	EFB 580 11 AGM 580 01			
SZ Zagato 3,0 V6	09.88-08.94		PRO P63 40 P62 19	562 19	
Alpina					
B3 (E46) 3,3-3,4	05.99-		PRO P84 40 P80 14	580 14	
B3 (E90, E91, E92, E93) 3,0 Start/Stop	01.07-	AGM 580 01			
B3 (E92) GTs	01.09-	AGM 592 01			
B5 (E60, E61, F10, F11) 4,4	03.05-		PRO P100 40 P95 33		
B5 (E60, E61, F10, F11) 4,4 Start/Stop	03.05-	AGM 592 01	PRO P100 40 P95 33		
B6 (F12, F13) 4,4	03.11-	AGM 592 01			
B7 (E65, F01, F02) 4,4 Start/Stop**	01.09-	AGM 592 01 AGM 605 01			
B8 (E36) 4,6	01.95-03.98		PRO P100 40 P95 33	595 33	
B10 (E39) 3,2-3,3	12.96-		PRO P100 40 P95 33	595 33	
B10 (E39) 4,6-4,8	12.96-		PRO P110 40 P95 33	595 33	
B12 (E38) 5,7-6,0 Start/Stop**	12.95-07.01	AGM 592 01 AGM 605 01			
D3 (E90, E91, E92) 2,0 Start/Stop	03.05-	AGM 592 01			
D5 (F10, F11) 3,0 Start/Stop	03.11-	AGM 592 01			
Roadster (Z8) 4,8 V8	06.02-		PRO P100 40 P95 33	595 33	
Roadster S (Z4) 3,3	03.04-		PRO P84 40 P80 14	580 14	
Alpina					
A610 3,0 Turbo	01.91-04.95		P70 29 P80 09		
AMG					
Hummer (H1-H3) 5,7 V8	01.95-		P70 24		

* with base hold-down adapter Art.No. 305002030101

** Please check the original battery, as differing battery sizes and technologies may be installed. The battery choice depends primarily upon the electrical extras. (VRLA=AGM, AFB/ECM=EFB)

*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment



CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Hummer (H1-H3) 6,2-6,6 D	01.95-		P70 24		
ARO					
10 1,3-1,6	06.80-10.06		PRO P50 40 P50 03	545 59	
10 1,6-1,9 D	06.80-10.06		PRO P63 40 P62 19	562 19	
Spartana 1,2	01.99-		PRO P50 40 P50 03	545 59	
Artega					
GT 3,6	01.09-		PRO P77 40 P74 12		
Asia Motors					
Hi-Topic (AM 725) 2,7 STD, D	06.93-12.99		P95 05		
Rocsta 1,8	11.89-12.99		P60 68		
Rocsta 2,2 D	11.89-12.99		P95 05		
Aston Martin					
Cygnat 1,3-1,4 Start/Stop**	03.11-12.14	EFB 560 11 AGM 560 01			
DB7 3,2	01.94-12.03		PRO P77 40 P74 12	572 12	
DB7 5,9	01.94-12.03		PRO P100 40 P95 33	595 33	
DB9 5,9 V12	01.96-		PRO P100 40 P95 33	595 33	
DB9 5,9 V12 Start/Stop	01.04-	AGM 592 01			
DB10 4,7 V8 Start/Stop	01.15-	AGM 592 01			
DB11 5,9 V12 Start/Stop	09.16-	AGM 592 01			
DBS, -Volante 5,9 V12	01.07-		PRO P100 40 P95 33		
Lagonda 5,3	01.76-12.97		P70 24		
One-77 V12 Start/Stop	03.09-	AGM 592 01			
Rapide 5,9 V12	03.10-		P88 20		
Rapide 5,9 V12 Start/Stop	03.10-	AGM 592 01			
Roadster V8, V12	06.07-		P88 20		
Vanquish (R2) 5,9-6,0 V12	09.01-		PRO P100 40 P95 33		
Vanquish 5,9-6,0 V12 Start/Stop	01.12-	AGM 592 01			
Vantage 4,3	10.05-		PRO P100 40 P95 33		
Virage 5,3-6,3 V8	01.88-12.00		P70 24		
Virage 5,3-6,3 V8	01.11-		PRO P100 40 P95 33		
Virage 5,3-6,3 V8 Start/Stop	01.11-	AGM 592 01			
Audi					
A1 (8X1, 8XA) 1,2 TFSI Start/Stop**	05.10-	AGM 560 01 EFB 560 11			
A1 (8X1, 8XA) 1,4 TFSI Start/Stop**	05.10-	AGM 560 01 AGM 570 01			
A1 (8X1, 8XA) 1,6 TDI (66 kW) Start/Stop**	05.10-	AGM 570 01 EFB 570 11			
A1 (8X1, 8XA) 1,6 (77 kW)-2,0 TDI, 2,0 TFSI Start/Stop**	05.10-	AGM 570 01 AGM 580 01			
A2 (8Z0) 1,2-1,4 TDI	02.00-		PRO P84 40 P80 14		
A2 (8Z0) 1,4-1,6 FSI	02.00-		PRO P77 40 P74 12	572 12	
A2 (8Z0) 1,2-1,4 TDI Start/Stop**	02.09-	AGM 570 01 EFB 570 11			
A2 (8Z0) 1,4-1,6 FSI Start/Stop**	02.09-	AGM 570 01 EFB 570 11			
A3 (8L1) 1,6-1,8 T, quattro	09.96-05.03		PRO P63 40 P62 19	562 19	
A3 (8L1) S3 quattro	09.96-05.03		PRO P77 40 P74 12	572 12	
A3 (8L1) 1,9 TDI quattro	09.96-05.03		PRO P77 40 P74 12	572 12	

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
A3 (8P1, 8PA) 1,2 TSI	05.03-		PRO P63 40 P62 19	562 19	
A3 (8P1, 8PA) 1,2 TSI Start/Stop**	05.03-	AGM 570 01 EFB 570 11			
A3 (8P1, 8PA) 1,4 TFSI	05.03-		PRO P63 40 P62 19		
A3 (8P1, 8PA) 1,4 FSI, TFSI Start/Stop**	05.03-	AGM 570 01 EFB 570 11			
A3 (8P1, 8PA) 1,6 (74-75 kW)-1,8 FSI, TFSI	05.03-		PRO P63 40 P62 19		
A3 (8P1, 8PA) 1,6 TDI	05.03-		PRO P63 40 P62 19		
A3 (8P1, 8PA) 1,6 TDI Start/Stop**	05.03-	AGM 570 01 AGM 580 01			
A3 (8P1, 8PA) 1,9-2,0 TDI	05.03-		PRO P84 40 P80 14		
A3 (8P1) 2,0 FSI, TFSI, quattro	05.03-		PRO P77 40 P74 12		
A3 (8P1, 8PA) 2,0 TDI quattro Start/Stop**	05.03-	AGM 570 01 AGM 580 01			
A3 (8P1, 8PA) 2,0 TDI, quattro, S3 quattro	05.03-		PRO P77 40 P74 12		
A3 (8P1, 8PA) 3,2 V6 quattro	05.03-		PRO P84 40 P80 14		
A3 Cabrio (8P7) 1,2 TFSI	04.08-		PRO P63 40 P62 19		
A3 Cabrio (8P7) 1,2 TFSI Start/Stop**	04.08-	AGM 570 01 EFB 570 11			
A3 Cabrio (8P7) 1,8-2,0 TFSI	04.08-		PRO P63 40 P62 19		
A3 Cabrio (8P7) 1,8-2,0 TFSI Start/Stop**	04.08-	AGM 570 01 EFB 570 11			
A3 Cabrio (8P7) 1,6-2,0 TDI	04.08-		PRO P84 40 P80 14		
A3 Cabrio (8P7) 1,6-2,0 TDI Start/Stop**	04.08-	AGM 570 01 AGM 580 01			
A3 Convertible, Limousine, Sportback (8VA, 8VS) 1,4 TFSI	01.12-		PRO P63 40 P62 19		
A3 Convertible, Limousine, Sportback (8VA, 8VS, 8V7) 1,6-2,0 TDI	01.12-		PRO P77 40 P74 12		
A3 Convertible, Limousine, Sportback (8VA, 8VS, 8V7) 1,2-1,8 TFSI, S3 quattro Start/Stop**	01.12-	AGM 570 01 EFB 570 11			
A3 Convertible, Limousine, Sportback (8VA, 8VS, 8V7) 1,6-2,0 TDI Start/Stop**	01.12-	AGM 570 01 AGM 580 01			
A3 (8VA, 8VS, 8V7) e-tron PHEV 75 kW***	01.14-	EFB 560 11 AGM 560 01			
A4 (8D2, 8D5, B5) 1,6-2,0 quattro, Avant, FSI*	01.95-09.01		PRO P63 40 P62 19	562 19	
A4 (8D2, 8D5, B5) 1,9-3,0 TDI, quattro, Avant*	01.95-09.01		PRO P84 40 P80 14	580 14	
A4 (8D2, 8D5, B5) 2,4-3,2 quattro, Avant, FSI, RS4, S4*	01.95-09.01		PRO P77 40 P74 12	572 12	
A4 (8E2, B6, 8E5, 8H7, 8HE, 8EC, 8ED, 8K2, 8K5) 1,6-2,0 quattro, Avant, Cabrio, FSI	11.00-06.08		PRO P63 40 P62 19		
A4 (8E2, B6, 8E5, 8H7, 8HE, 8EC, 8ED, 8K2, 8K5) 1,9-2,0 TDI, quattro, Avant, Cabrio	11.00-06.08		PRO P77 40 P74 12		
A4 (8E2, B6, 8E5, 8H7, 8HE, 8EC, 8ED, 8K2, 8K5) 2,5-3,0 TDI, quattro, Avant, Cabrio, S4	11.00-06.08		PRO P84 40 P80 14		
A4 (8E2, B6, 8E5, 8H7, 8HE, 8EC, 8ED, 8K2, 8K5) 2,5-3,0 TDI, quattro, Avant, Cabrio, S4	11.00-06.08		PRO P100 40 P95 33		

CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
A4 (8K2, 8K5) 1,8 TFSI	11.07-		PRO P77 40 P74 12		
A4 (8K2, 8K5) 1,8 TFSI Start/Stop**	11.07-	AGM 570 01 EFB 570 11			
A4 (8K2, 8K5) 2,0 TFSI, 3,2 FSI quattro	11.07-		PRO P77 40 P74 12		
A4 (8K2, 8K5) 2,0 TFSI, 3,2 FSI quattro Start/Stop**	11.07-	AGM 570 01 EFB 570 11			
A4 (8K2, 8K5) 2,0 TDI quattro Start/Stop**	11.07-	AGM 592 01 AGM 580 01			
A4 (8K2, 8K5) 2,7-3,0 TDI	11.07-		PRO P100 40 P95 33		
A4 (8K2, 8K5) 2,7-3,0 TDI Start/Stop**	11.07-	AGM 592 01 AGM 580 01			
A4 Allroad (8KH, B8) 2,0 TFSI quattro	04.09-		PRO P77 40 P74 12		
A4 Allroad (8KH, B8) 2,0 TFSI quattro Start/Stop**	04.09-	AGM 570 01 EFB 570 11			
A4 Allroad (8KH, B8) 2,0 TDI quattro	04.09-		PRO P100 40 P95 33		
A4 Allroad (8KH, B8) 2,0 TDI quattro Start/Stop**	04.09-	AGM 592 01 AGM 580 01			
A5 (8T, 8F) 1,8 TFSI	06.07-		PRO P100 40 P95 33		
A5 (8T, 8F) 1,8 TFSI Start/Stop	06.07-	AGM 592 01			
A5 (8T, 8F) 2,0 TFSI quattro	06.07-		PRO P77 40 P74 12		
A5 (8T, 8F) 2,0 TFSI quattro Start/Stop**	06.07-	AGM 570 01 EFB 570 11			
A5 (8T, 8F) 2,0 TDI	06.07-		PRO P77 40 P74 12		
A5 (8T, 8F) 2,0 TDI Start/Stop**	06.07-	AGM 592 01 AGM 580 01			
A5 (8T, 8F) 3,2 FSI, S5 quattro	06.07-		PRO P110 40		
A5 (8T, 8F) 3,2 FSI; S5 quattro Start/Stop**	06.07-	AGM 605 01 AGM 592 01			
A5 (8T, 8F) 2,7-3,0 TDI quattro	06.07-		PRO P110 40		
A5 (8T, 8F) 2,7-3,0 TDI quattro, RS 5 quattro Start/Stop**	06.07-	AGM 605 01 AGM 592 01			
A6 (4A, C4) 1,8-2,0 quattro, Avant*	06.94-12.97		PRO P63 42 P60 09	560 09	
A6 (4A, C4) 1,9-2,5 TDI*	06.94-12.97		PRO P77 42 P72 09	570 44	
A6 (4A, C4) 2,3-2,8 quattro, Avant*	06.94-12.97		PRO P77 42 P72 09	570 44	
A6 (4A, C4) S6 quattro*	06.94-12.97		PRO P77 42 P72 09	570 44	
A6 (4B, C5) 1,8-2,4 FSI	01.97-01.05		PRO P77 40 P74 12	572 12	
A6 (4B, C5, 4F2, 4F5, 4FH) 1,9 TDI quattro, Allroad, Avant	01.97-01.05		PRO P84 40 P80 14	580 14	
A6 (4B, C5, 4F2, 4F5, 4FH) 2,0-3,0 TDI quattro, Allroad, Avant	01.97-01.05		PRO P100 40 P95 33	595 33	
A6 (4F2, 4F5, 4FH) 2,0 TFSI	05.04-08.11		PRO P100 40 P95 33		
A6 (4F2, 4F5, 4FH) 2,0 TFSI Start/Stop	05.04-08.11	AGM 592 01			
A6 (4F2, 4F5, 4FH) 2,4-2,8 FSI quattro	05.04-08.11		PRO P84 40 P80 14		
A6 (4F2, 4F5, 4FH) 3,0-4,2 FSI quattro	05.04-08.11		PRO P100 40 P95 33		
A6 (4F2, 4F5, 4FH) 3,0-4,2 FSI quattro Start/Stop	05.04-08.11	AGM 592 01			
A6 (4F2, 4F5, 4FH) 2,7-3,0 TDI quattro	05.04-08.11		PRO P100 40 P95 33		
A6 (4F2, 4F5, 4FH) 2,7-3,0 TDI quattro Start/Stop	05.04-08.11	AGM 592 01			

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
A6 (4F2, 4F5, 4FH) 2,0-3,0 TDI quattro, Allroad, Avant Start/Stop	05.04-08.11	AGM 605 01			
A6 (4G2, 4G5, C7) 2,8-3,0 FSI TFSI quattro Start/Stop**	11.10-	AGM 570 01 AGM 580 01			
A6 (4G2, 4G5, C7) 3,0 TDI quattro, RS 6, S6 quattro Start/Stop	11.10-	AGM 592 01			
A6 Allroad (4GH) 3,0 TDI quattro (150 kW), TFSI quattro Start/Stop	01.12-	AGM 580 01			
A6 Allroad (4GH) 3,0 TDI, RS 6, S6 quattro (230 kW) Start/Stop	01.12-	AGM 592 01			
A7 (4GA) 2,8 FSI quattro Start/Stop	10.10-	AGM 580 01			
A7 (4GA) 2,8-3,0 FSI quattro	10.10-		PRO P84 40 P80 14		
A7 (4GA) 3,0-4,0 FSI quattro Start/Stop**	10.10-	AGM 592 01			
A7 (4GA) 3,0 TDI quattro	10.10-		PRO P100 40 P95 33		
A7 (4GA) 3,0 TDI quattro, RS 7, S7 quattro Start/Stop**	10.10-	AGM 592 01			
A8 (4D2, 4D8) 2,8-6,0 quattro, S8	03.94-12.02		PRO P100 40 P95 33	595 33	
A8 (4D2, 4D8) 2,5-3-3 TDI quattro	03.94-12.02		PRO P100 40 P95 33	595 33	
A8 (4E) 2,8-6,0 FSI quattro	10.02-07.10		PRO P110 40		
A8 (4E) 2,8-6,0 FSI quattro Start/Stop**	10.02-07.10	AGM 592 01 AGM 605 01			
A8 (4E) 3,0-4,2 TDI quattro	10.02-07.10		PRO P110 40		
A8 (4E) 3,0-4,2 TDI quattro Start/Stop**	10.02-07.10	AGM 592 01 AGM 605 01			
A8 (4H) 4,0 TFSI, 3,0-4,2 TDI quattro	11.09-		PRO P110 40		
A8 (4H) 2,0-4,0 TFSI, 3,0-4,2 TDI quattro, S8 Start/Stop**	11.09-	AGM 592 01 AGM 605 01			
Allroad (4BH) 2,7-4,2 T quattro, 2,5 TDI quattro	05.00-08.05		PRO P100 40 P95 33		
Cabriolet (8G7, B4) 1,8-2,8*	05.91-08.00		PRO P77 42 P72 09	570 44	
Cabriolet (8G7, B4) 1,9 TDI*	05.91-08.00		PRO P77 42 P72 09	570 44	
Coupe (89, 8B) 1,8-2,8 quattro*	10.88-12.96		PRO P77 42 P72 09	570 44	
Q2 (GA) 1,0-1,5 TSI Start/Stop	11.16-	EFB 560 11 AGM 560 01			
Q2 (GA) 2,0 TSI Start/Stop	11.16-	EFB 570 11 AGM 570 01			
Q2 (GA) 1,6-2,0 TDI Start/Stop	11.16-	EFB 570 11 AGM 570 01			
Q3 (8U) 1,4-2,0 TFSI quattro	06.11-		PRO P77 40 P74 12		
Q3 (8U) 1,4-2,0 TFSI quattro Start/Stop**	06.11-	AGM 570 01 EFB 570 11			514 00/ AUX 14
Q3 (8U) 2,0 TDI quattro, RS Start/Stop**	06.11-	AGM 570 01 AGM 580 01			514 00/ AUX 14
Q5 (8R) 2,0 TFSI quattro	11.08-		PRO P77 40 P74 12		
Q5 (8R) 2,0 TFSI quattro Start/Stop**	11.08-	AGM 570 01 EFB 570 11			514 00/ AUX 14
Q5 (8R) 2,0 TFSI hybrid quattro Start/Stop**	11.08-	AGM 570 01 EFB 570 11			514 00/ AUX 14
Q5 (8R) 2,0 TDI quattro (105 kW)	11.08-		PRO P77 40 P74 12		
Q5 (8R) 2,0 TDI quattro (105 kW) Start/Stop**	11.08-	AGM 592 01 AGM 580 01			514 00/ AUX 14

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment



CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Q5 (8R) 2,0 TDI quattro (120 kW)	11.08-		PRO P84 40 P80 14		
Q5 (8R) 2,0 TDI quattro 120 kW Start/Stop**	11.08-	AGM 592 01 AGM 580 01			514 00/ AUX 14
Q5 (8R) 3,0 TDI quattro	11.08-		PRO P100 40 P95 33		
Q5 (8R) 3,0 TDI quattro Start/Stop	11.08-	AGM 592 01			514 00/ AUX 14
Q7 (4L) 3,6-4,2 FSI	03.06-		PRO P100 40 P95 33		
Q7 (4L) 3,6-4,2 FSI Start/Stop	03.06-	AGM 592 01			514 00/ AUX 14
Q7 (4L) 3,0-4,2 TDI	03.06-		PRO P100 40 P95 33		
Q7 (4L) 3,0-4,2 TDI Start/Stop	03.06-	AGM 592 01			514 00/ AUX 14
Q7 (4L) 6,0 TDI	03.06-		PRO P110 40		
Q7 (4L) 6,0 TDI Start/Stop	03.06-	AGM 605 01			514 00/ AUX 14
Q7 (4M) 2,0 TFSI, 3,0 TDI e-tron PHEV 94 kW	03.15-	AGM 592 01			
Q7 (4M) 2,0 TFSI, 3,0 TDI e-tron PHEV ohne/without 12V RSG/BSG-Start 94 kW	03.15-	AGM 570 01			
Q8 (4M) 3,0 FSI Start/Stop	03.18-	AGM 592 01			
Q8 (4M) 3,0 TDI Start/Stop**	03.18-	AGM 592 01 AGM 605 01			
R8 (42) 4,2-5,2 quattro	03.07-		PRO P110 40		
R8 (42) 4,2-5,2 quattro Start/Stop	03.07-	AGM 605 01			
R8 Spyder 4,2-5,2 FSI quattro	03.10-		PRO P100 40 P95 33		
R8 Spyder 4,2-5,2 FSI quattro Start/Stop**	03.10-	AGM 592 01			
RS7 (4GA) 4,0 FSI V8 Start/Stop**	01.13-	AGM 580 01 AGM 592 01			
TT (8N3) 1,8 T quattro	10.98-06.06		PRO P63 40 P62 19		
TT (8N3) 3,2 VR6 quattro	10.98-06.06		PRO P63 40 P62 19		
TT (8N3) 3,2 VR6 quattro Start/Stop	10.98-06.06	AGM 570 01			
TT Roadster (8N9) 1,8-3,2 T quattro	10.99-06.06		PRO P63 40 P62 19		
TT Roadster (8N9) 1,8-3,2 T quattro Start/Stop	10.99-06.06	AGM 570 01			
TT Roadster (8N9) 3,2 V6 quattro Start/Stop**	02.07-	AGM 570 01 EFB 570 11			
TT (8J3) 2,0 TFSI quattro	08.06-		PRO P84 40 P80 14		
TT (8J3) 2,0 TFSI quattro Start/Stop**	08.06-	AGM 580 01 AGM 570 01			
TT Roadster (8J9) 2,0 TFSI quattro, 3,2 V6 quattro	03.07-		PRO P84 40 P80 14		
TT Roadster (8J9) 2,0 TFSI quattro, 3,2 V6 quattro Start/Stop**	03.07-	AGM 580 01 AGM 570 01			
V8 (D1) 3,6-4,2 quattro*	10.88-02.94		PRO P100 40 P95 33	595 33	
Auverland					
A3 1,6	01.94-			560 08	
A3 1,9-2,1 D	01.92-		PRO P77 40 P74 12	572 12	
Beijing					
212	01.98-		P70 24		
Bentley					
Arnage I, II 4,4-6,8	04.98-10.09		P70 24		

* with base hold-down adapter Art.No. 305002030101

** Please check the original battery, as differing battery sizes and technologies may be installed. The battery choice depends primarily upon the electrical extras. (VRLA=AGM, AFB/ECM=EFB)

*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Azure I, II 6,7-6,8	09.95-		P70 24		
Continental 6,0-6,75	10.91-12.03		P70 24		
Continental GT, Flying Spur 4,0-6,0	03.05-		PRO P63 40 P62 19		
Continental Coupe, Convertible 4,0	06.03-		PRO P63 40 P62 19		
Continental Coupe, Convertible 6,0	06.03-		PRO P77 40 P74 12		
Mulsanne 6,8	01.09-		PRO P63 40 P62 19		
BMW					
1 (E81, 82, 87) 116-118 i	09.04-		PRO P50 40 P50 03		
1 (E81, 82, 87) 116 i EfficientDynamics Start/Stop**	09.04-	AGM 570 01 EFB 570 11			
1 (E81, 82, 87) 120 - 130 i	09.04-		PRO P63 40 P62 19		
1 (E81, 82, 87) 118-135 i EfficientDynamics Start/Stop**	09.04-	AGM 570 01 AGM 580 01			
1 (E81, 82, 87) 116-123 d EfficientDynamics Start/Stop**	09.04-	AGM 580 01 AGM 570 01			
1 (E81, 82, 87) 118 d, 120 d	09.04-		PRO P84 40 P80 14		
1 Cabrio (E88) 118-125 i	03.08-		PRO P63 40 P62 19		
1 Cabrio (E88) 118-125 i EfficientDynamics Start/Stop**	03.08-	AGM 570 01 AGM 580 01			
1 Cabrio (E88) 135 i	03.08-		PRO P84 40 P80 14		
1 Cabrio (E88) 118-123 d	03.08-		PRO P84 40 P80 14		
1 Cabrio (E88) 135 i EfficientDynamics Start/Stop**	03.08-	AGM 580 01 EFB 580 11			
1 Cabrio (E88) 118-123 d EfficientDynamics Start/Stop**	03.08-	AGM 580 01 AGM 570 01			
1 (F20, F21) 114-118 i EfficientDynamics Start/Stop**	11.10-	AGM 570 01 AGM 580 01			
1 (F20, F21) 114-125 d, M 135 i EfficientDynamics Start/Stop**	11.10-	AGM 580 01 EFB 580 11			
1 (F21) 118 d xDrive Efficient-Dynamics Start/Stop	01.11-	AGM 592 01			
2 Coupe, Cabrio, Tourer (F22, F87) 218-240 i EfficientDynamics Start/Stop**	03.15-	AGM 570 01 AGM 580 01			
2 Coupe, Cabrio, Tourer (F22, F87) 218-225 d, M 235 i EfficientDynamics Start/Stop**	01.13-	AGM 580 01 AGM 592 01			
3 (E36) 316-318 i	09.90-02.98		PRO P63 42 P60 09	560 09	
3 (E36) 320-330 i, xi, M3	09.90-02.98		PRO P77 42 P72 09	570 44	
3 (E36) 318-325 td, tds	09.90-02.98		PRO P100 40 P95 33	595 33	
3 (E46) 316-318 i	02.98-02.05		PRO P77 40 P74 12		
3 (E46) 316-318 i EfficientDynamics Start/Stop**	02.98-02.05	AGM 570 01 EFB 570 11			
3 (E46) 320-330 i, xi	02.98-02.05		PRO P77 40 P74 12		
3 (E46) 320-330 i, xi EfficientDynamics Start/Stop**	02.98-02.05	AGM 570 01 EFB 570 11			

CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
3 (E46) 318-320 d	02.98-02.05		PRO P84 40 P80 14		
3 (E46) 318-320 d EfficientDynamics Start/Stop**	02.98-02.05	AGM 580 01 EFB 580 11			
3 (E46) 330 d, xd	02.98-02.05		PRO P100 40 P95 33		
3 (E46) 330 d, xd EfficientDynamics Start/Stop	02.98-02.05	AGM 592 01			
3 (E90) 318-320 i	01.05-		PRO P63 40 P62 19		
3 (E90) 325-335 i, M3	01.05-		PRO P84 40 P80 14		
3 (E90) 318 d-320 d	01.05-		PRO P100 40 P95 33		
3 (E90) 325 d-335 d, xd	01.05-		PRO P100 40 P95 33		
3 (E90) 318-320 i, M3 EfficientDynamics Start/Stop**	09.07-	AGM 570 01 AGM 580 01			
3 (E90) 325-335 i EfficientDynamics Start/Stop**	09.07-	AGM 580 01 AGM 592 01			
3 (E90) 316-335 d, xd EfficientDynamics Start/Stop**	09.07-	AGM 592 01 AGM 580 01			
3 (F30, F35) 316-335 i EfficientDynamics Start/Stop	10.11-	AGM 592 01			
3 (F30, F35) 320-330 d, 335 d xDrive EfficientDynamics Start/Stop	10.11-	AGM 592 01			
3 Cabrio (E36) 318 i	03.93-04.99		PRO P63 42 P60 09	560 09	
3 Cabrio (E36) 320-328 i, M3 3.0-3.2	03.93-04.99		PRO P77 42 P72 09	570 44	
3 Cabrio (E46) 318-330 Ci	04.00-		PRO P77 40 P74 12		
3 Cabrio (E46) 318-330 Cd	04.00-		PRO P84 40 P80 14		
3 Cabrio (E46) 318-330 Ci EfficientDynamics Start/Stop**	04.00-	AGM 570 01 EFB 570 11			
3 Cabrio (E93) 320-335 i	08.06-		PRO P77 40 P74 12		
3 Cabrio (E93) 330 d	08.06-		PRO P84 40 P80 14		
3 Cabrio (E93) 320-335 i EfficientDynamics Start/Stop**	08.06-	AGM 592 01 AGM 580 01			
3 Cabrio (E93) 320-330 d EfficientDynamics Start/Stop	08.06-	AGM 592 01			
3 Compact (E36) 316-318 ti	03.94-08.00		PRO P63 42 P60 09	560 09	
3 Compact (E36) 323 ti	08.97-08.00		PRO P77 42 P72 09	570 44	
3 Compact (E36) 318 tds	01.95-08.00		PRO P100 40 P95 33	595 33	
3 Compact (E46) 316-318 ti	06.01-02.05		PRO P63 40 P62 19		
3 Compact (E46) 325 ti	06.01-02.05		PRO P84 40 P80 14		
3 Compact (E46) 318-320 td	06.01-02.05		PRO P84 40 P80 14		
3 Coupe (E36) 316-320 i	03.92-04.99		PRO P63 42 P60 09	560 09	
3 Coupe (E36) 323 i	03.92-04.99		PRO P63 42 P60 09	560 09	
3 Coupe (E36) 325-328 i	03.92-04.99		PRO P77 42 P72 09	570 44	
3 Coupe (E46) 316-318 Ci	04.99-04.05		PRO P63 40 P62 19		
3 Coupe (E46) 320-330 Ci, M3	04.99-04.05		PRO P77 40 P74 12		

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
3 Coupe (E46) 330 Cd	04.99-04.05		PRO P100 40 P95 33		
3 Coupe (E46) 316-318 Ci EfficientDynamics Start/Stop**	04.99-04.05	AGM 570 01 EFB 570 11			
3 Coupe (E46) 320-330 Ci, M3 EfficientDynamics Start/Stop**	04.99-04.05	AGM 570 01 EFB 570 11			
3 Coupe (E46) 330 Cd EfficientDynamics Start/Stop	04.99-04.05	AGM 592 01			
3 Coupe (E92) 320 i-330 xi	08.06-		PRO P84 40 P80 14		
3 Coupe (E92) 320-335 d	09.06-		PRO P100 40 P95 33		
3 Coupe (E92) 320 i-330 xi EfficientDynamics Start/Stop	09.07-	AGM 592 01			
3 Coupe (E92) 320-335 d, xd EfficientDynamics Start/Stop	09.07-	AGM 592 01			
3 Gran Turismo (F34) 320-335 i xDrive EfficientDynamics Start/Stop	01.13-	AGM 592 01			
3 Gran Turismo (F34) 318-325 d, 335 d xDrive EfficientDynamics Start/Stop	01.13-	AGM 592 01			
3 Touring (E30) 316-320 i	07.87-06.94		PRO P63 42 P60 09	560 09	
3 Touring (E30) 325 i, X	07.87-06.94		PRO P63 40 P62 19	562 19	
3 Touring (E30) 324 td	07.87-06.94		P88 20	588 20	
3 Touring (E36) 318 i, tds	01.95-10.99		PRO P63 42 P60 09	560 09	
3 Touring (E36) 320-328 i	01.95-10.99		PRO P77 40 P74 12	572 12	
3 Touring (E36) 318-325 tds	01.95-10.99		PRO P100 40 P95 33		
3 Touring (E46) 316-318i	10.99-02.05		PRO P63 40 P62 19		
3 Touring (E46) 318-320 d	10.99-02.05		PRO P84 40 P80 14		
3 Touring (E46) 320-330 i, xi	10.99-02.05		PRO P77 40 P74 12		
3 Touring (E46) 330 d, xd	10.99-02.05		PRO P100 40 P95 33		
3 Touring (E46) 316-318i EfficientDynamics Start/Stop**	10.99-02.05	AGM 570 01 EFB 570 11			
3 Touring (E46) 318-320 d EfficientDynamics Start/Stop	10.99-02.05	AGM 592 01			
3 Touring (E46) 320-330 i, xi EfficientDynamics Start/Stop**	10.99-02.05	AGM 570 01 AGM 580 01			
3 Touring (E46) 330 d, xd EfficientDynamics Start/Stop	10.99-02.05	AGM 592 01			
3 Touring (E91) 318-320i	09.05-		PRO P63 40 P62 19		
3 Touring (E91) 325-335i	09.05-		PRO P84 40 P80 14		
3 Touring (E91) 318-320 d	09.05-		PRO P100 40 P95 33		
3 Touring (E91) 325-335 d	09.05-		PRO P100 40 P95 33		
3 Touring (E91) 318-320 i EfficientDynamics Start/Stop	09.07-	AGM 592 01			
3 Touring (E91) 325-335 i EfficientDynamics Start/Stop	09.07-	AGM 592 01			

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment



CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
3 Touring (E91) 318-320 d EfficientDynamics Start/Stop	09.07-	AGM 592 01			
3 Touring (E91) 325-335 d, xd EfficientDynamics Start/Stop	09.07-	AGM 592 01			
3 Touring (F31) 316-335 i EfficientDynamics Start/Stop	10.11-	AGM 592 01			
3 Touring (F31) 320-330 d, 335 d xDrive EfficientDynamics Start/Stop	10.11-	AGM 592 01			
4 Coupe, Convertible (F32, F33) 420-435 i EfficientDynamics Start/Stop	01.13-	AGM 592 01			
4 Coupe, Convertible (F32, F33) 420-435 d xDrive EfficientDynamics Start/Stop	01.13-	AGM 592 01			
5 (E34) 518-520 i	01.88-11.95		PRO P63 40 P62 19	562 19	
5 (E34) 525 i	01.88-11.95		PRO P77 40 P74 12	572 12	
5 (E34) 525 td, tds	01.88-11.95		PRO P100 40 P95 33	595 33	
5 (E34) 530-540 i	01.88-11.95		PRO P100 40 P95 33	595 33	
5 (E39) 520-540 i	11.95-06.03		PRO P100 40 P95 33	595 33	
5 (E39) 520-530 d, td, tds	11.95-06.03		PRO P100 40 P95 33	595 33	
5 (E60) 520-530 i	07.03-		PRO P100 40 P95 33		
5 (E60) 540-550 i, M5	07.03-		PRO P100 40 P95 33		
5 (E60) 520-535 d, tds	07.03-		PRO P100 40 P95 33		
5 (E60) 520-530 i EfficientDynamics Start/Stop	09.07-	AGM 592 01			514 00/ AUX 14
5 (E60) 540-550 i, M5 EfficientDynamics Start/Stop	09.07-	AGM 592 01			514 00/ AUX 14
5 (E60) 520-535 d, tds EfficientDynamics Start/Stop	09.07-	AGM 592 01			514 00/ AUX 14
5 (F10, F18) 520-550 i EfficientDynamics Start/Stop	03.10-	AGM 592 01			514 00/ AUX 14
5 (F10, F18) 518-550 d xDrive, M, ActiveHybrid EfficientDynamics Start/Stop	03.10-	AGM 592 01			
5 Gran Turismo (F07) 520-550 i EfficientDynamics Start/Stop	03.09-	AGM 592 01			
5 Gran Turismo (F07) 520-550 d xDrive EfficientDynamics Start/Stop	03.09-	AGM 592 01			
5 Touring (E34) 518-520 i	11.91-01.97		PRO P63 40 P62 19	562 19	
5 Touring (E34) 525 i	11.91-01.97		PRO P63 40 P62 19	562 19	
5 Touring (E34) 525 tds	11.91-01.97		PRO P100 40 P95 33	595 33	
5 Touring (E34) 530-540 i	11.91-01.97		PRO P100 40 P95 33	595 33	
5 Touring (E39) 520-530 d, td, tds	01.97-06.03		PRO P100 40 P95 33	595 33	
5 Touring (E39) 520-540 i	01.97-06.03		PRO P100 40 P95 33	595 33	
5 Touring (E61) 520-530 i, xi	06.04-		PRO P100 40 P95 33		
5 Touring (E61) 545-550 i	06.04-		PRO P100 40 P95 33		

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
5 Touring (E61) 520-535 d, xd	06.04-		PRO P100 40 P95 33		
5 Touring (E61) 520-530 i, xi EfficientDynamics Start/Stop	09.07-	AGM 592 01			514 00/ AUX 14
5 Touring (E61) 545-550 i EfficientDynamics Start/Stop	09.07-	AGM 592 01			514 00/ AUX 14
5 Touring (E61) 520-530 d, xd EfficientDynamics Start/Stop	09.07-	AGM 592 01			514 00/ AUX 14
5 Touring (F11) 523-550 i EfficientDynamics Start/Stop**	09.10-	AGM 592 01			514 00/ AUX 14
5 Touring (F11) 518-550 d xDrive EfficientDynamics Start/Stop	09.10-	AGM 592 01			
6 (E63, E64) 630-650 i, Ci, Csi, Cabrio, M6	01.04-		PRO P110 40		
6 (E64) Coupe, Cabrio 630-650 i, Ci, Csi EfficientDynamics Start/Stop	09.07-	AGM 592 01			514 00/ AUX 14
6 (F12) 640-650 i, M EfficientDynamics Start/Stop**	03.11-	AGM 592 01			514 00/ AUX 14
6 (F12) 640-640 d xDrive EfficientDynamics Start/Stop	03.11-	AGM 592 01			
6 Coupe/Gran Coupe (F13, F06) 640-650 i EfficientDynamics Start/Stop	11.10-	AGM 592 01			514 00/ AUX 14
6 Coupe/Gran Coupe (F13, F06) 640-650 d xDrive EfficientDynamics Start/Stop	11.10-	AGM 592 01			514 00/ AUX 14
6 Coupe/Gran Coupe (F13, F06) M EfficientDynamics Start/Stop**	11.10-	AGM 605 01			
7 (E32) 730 i (138 kW)	09.86-09.94		PRO P77 40 P74 12	572 12	
7 (E32) 730 i (160 kW)-750 i	09.86-09.94		PRO P84 40 P80 14		
7 (E38) 728-740 i, 730-740 d	10.94-11.01		PRO P100 40 P95 33	595 33	
7 (E65, 66, 67) 730-760 i, 730-745 d EfficientDynamics Start/Stop	11.01-	AGM 592 01			514 00/ AUX 14
7 (E68) 730-760 i, 730-745 d EfficientDynamics Start/Stop	09.07-	AGM 592 01			514 00/ AUX 14
7 (F01, F02, F03, F04) 740-760 i EfficientDynamics Start/Stop	06.08-	AGM 592 01			514 00/ AUX 14
7 (F01, F02, F03, F04) 730-750 d xDrive, ActiveHybrid EfficientDynamics Start/Stop	06.08-	AGM 592 01			
8 (E31) 840-850	04.90-12.99		PRO P77 42 P72 09	570 44	
i3 0,65 (125 kW + 28 kW Range Extender)	01.13-				18Ah
i8 1,5 (170 kW + 96 kW E-Motor)	01.13-				40Ah
Mini One, Cabriolet, Cooper, Convertible, S	03.01-		PRO P63 40 P62 19	562 19	
Mini One, Cabriolet, Cooper D	03.01-		PRO P77 40 P74 12	572 12	
Mini One, Clubman, Countryman, Cooper, S 1.6; 1.6 D Start/Stop**	06.07-	AGM 570 01 EFB 570 11			
X1 (E84) sDrive/xDrive 18-28 i EfficientDynamics Start/Stop**	10.09-	AGM 570 01 AGM 580 01			

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment

CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
X1 (E84) sDrive/xDrive 16-25 d EfficientDynamics Start/Stop**	10.09-	AGM 580 01 EFB 580 11			
X2 (F39) 18-20 i EfficientDynamics Start/Stop**	03.18-	AGM 570 01 AGM 580 01			
X2 (F39) 18-25 d EfficientDynamics Start/Stop**	03.18-	AGM 580 01 AGM 592 01			
X3 (E83) 2,0	01.04-		PRO P77 40 P74 12		
X3 (E83) sDrive/xDrive 20-30 i EfficientDynamics Start/Stop**	01.04-	AGM 570 01 EFB 570 11			
X3 (E83) 2,5-3,0	01.04-		PRO P100 40 P95 33		
X3 (E83) 2,0-3,0 d, sd	01.04-		PRO P100 40 P95 33		
X3 (E83) xDrive 18-20 d EfficientDynamics Start/Stop**	01.04-	AGM 580 01 EFB 580 11			
X3 (E83) xDrive 30-35 d EfficientDynamics Start/Stop	01.04-	AGM 592 01			
X3 (F25) sDrive 18 d, 30 d, xDrive 28 i EfficientDynamics Start/Stop**	09.10-	AGM 580 01 EFB 580 11			
X3 (F25) xDrive 20 i, 35 i, 20 d, 35 d EfficientDynamics Start/Stop	09.10-	AGM 592 01			
X4 (F26) 20-40 i EfficientDynamics Start/Stop**	04.14-	AGM 580 01 AGM 592 01			
X4 (F26) 20-35 d EfficientDynamics Start/Stop	04.14-	AGM 592 01			
X5 (E53, 70) 3,0-4,8 i, is	05.00-		PRO P100 40 P95 33		
X5 (E53, 70) 3,0 d	05.00-		PRO P100 40 P95 33		
X5 (E70) 3,0-4,8 i, is EfficientDynamics Start/Stop	02.07-	AGM 592 01			514 00/ AUX 14
X5 (E70) 3,0 d; xDrive 30 d, 35 d, 40 d, M EfficientDynamics Start/Stop	02.07-	AGM 592 01			514 00/ AUX 14
X5 (F15) sDrive 25 d, 40 d, xDrive 35 i, 25 d, 35 d, 40 d	01.12-	AGM 605 01			
X6 (E71, E72) 3,5-5,0 i	02.07-		PRO P100 40 P95 33		
X6 (E71, E72) 3,0-3,5 d	09.07-		PRO P100 40 P95 33		
X6 (E71, E72) 3,5-5,0 i EfficientDynamics Start/Stop	09.07-	AGM 592 01			514 00/ AUX 14
X6 (E71, E72) 3,0-3,5 d, M, ActiveHybrid EfficientDynamics Start/Stop	09.07-	AGM 592 01			514 00/ AUX 14
X7 4,4 V8 EfficientDynamics Start/Stop	03.19-	AGM 592 01			
X7 6,6 V12 EfficientDynamics Start/Stop	03.19-	AGM 605 01			
X7 3,0 d EfficientDynamics Start/Stop	03.19-	AGM 592 01			
Z3 (E36) 1,8-3,0; M 3,2; Coupe	10.95-06.03		PRO P77 40 P74 12	572 12	
Z4 (E85, 86) 2,0-3,2; M	02.03-		PRO P77 40 P74 12		
Z4 (E85, 86) 2,0-3,2; M EfficientDynamics Start/Stop**	02.03-	AGM 570 01 EFB 570 11			
Z4 (E89) Coupe 3,0-3,2 M	03.06-		PRO P63 40 P62 19		
Z4 (E89) Roadster sDrive 18 i, 23 i, 30 i, 35 i, is EfficientDynamics Start/Stop**	09.07-	AGM 570 01 EFB 570 11			

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Z4 (E89) Roadster sDrive 20 i, 28 i, is EfficientDynamics Start/Stop	09.07-	AGM 570 01 EFB 570 11			
Z8 (E52) 4,9	06.00-06.03		PRO P100 40 P95 33	595 33	
Brilliance					
Zhonghua 2,0-2,4	01.05-		PRO P77 40 P74 12		
Bristol					
Bristol 4, 6	01.95-		P70 24		
Bugatti					
EB 110	01.99-		PRO P63 42 P60 09	560 09	
Buick					
Le Sabre 3,8	01.99-		P70 24		
Park Avenue 3,8	01.91-10.96		P70 24		
Skylark (N) 2,8-3,3	04.79-09.95		P70 24		
Cadillac					
BLS 2,0-2,8; 1,9 D	04.06-		PRO P77 40 P74 12		
CTS 2,6 V6-6,2 V8	01.02-12.07		P70 24		
CTS 2,8-6,2	01.08-		PRO P77 40 P74 12		
DTS 4,6 V8	01.05-		PRO P77 42 P72 09		
Escalade 5,8	10.98-		PRO P77 40 P74 12		
Deville 4,6-4,9 V8	01.93-		PRO P77 42 P72 09	570 44	
Seville 4,9-5,7	08.99-		P70 24		
Eldorado, Cabrio			P95 04		
SRX 3,6 V6-4,6 V8	03.06-		PRO P77 40 P74 12		
STS 3,6-4,6	01.05-		PRO P77 40 P74 12		
XLR 4,6	03.04-		PRO P63 42 P60 09		
Caterham					
Super Seven Classic Line	03.74-			530 34	
Super Seven K, HPC, VXi	03.92-			530 34	
Corvette					
Coupe, Convertible (C5, C6), Z06, ZR1	01.05-			560 09	
Chery					
M14			PRO P63 42 P60 09	560 09	
S16			PRO P63 42 P60 09	560 09	
Tiggo 5	09.06-		PRO P63 42 P60 09		
Chevrolet					
Alero 2,2-3,4	01.99-			560 08	
Beretta 2,2	01.87-12.96			560 08	
Beretta 2,3-3,1 V6	01.87-12.96		P70 24		
Blazer 4,3 V6	01.94-		PRO P77 42 P72 09	570 44	
Camaro 3,6-6,2	01.09-		PRO P77 40 P74 12		
Camaro 3,6-6,2 Start/Stop**	01.09-	AGM 570 01 AGM 580 01			
Corsica 2,2-3,1 V6	01.87-12.96		P70 24		
Corvette (C6) 6,0	01.04-			572 33	
Corvette (C6) 6,2	01.04-			560 08	
Corvette (C6) 06 7,0	01.04-		PRO P63 42 P60 09		
Corvette 5,7	01.97-09.04		PRO P77 40 P74 12	572 12	
Cruze (J300, J305, J308) 1,4-1,8	01.09-			560 08	

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment



CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Cruze (J300, J305, J308) 1,7 D, 2,0 TD, CDI	01.09-		P80 14		
Cruze (J300, J305, J308) 1,4-1,8 Start/Stop	02.12-				
Cruze (J300, J305, J308) 1,7 D, 2,0 TD, CDI Start/Stop	02.12-				
HHR 2,4	03.07-		PRO P63 42 P60 09		
Impala 3,4-3,8	01.99-		P70 24		
Lumina APV 2,3-3,8	08.89-07.96		P70 24		
Orlando (J309) 1,4-2,0	01.10-			560 08	
Orlando (J309) 2,0 D	01.10-		P80 14		
Trailblazer 4,2-6,0	03.02-12.08			572 33	
TranSPORT 3,4 V6	01.96-12.05			572 33	
Trax 1,4-1,8, 1,7 TD	01.12-		PRO P77 40 P74 12		
Trax 1,4-1,8, 1,7 TD Start/Stop	01.12-	AGM 570 01			
Volt EV 150 (111 kW + 63 kW)	01.11-	AGM 560 01	PRO P63 40 P62 19		
Chevrolet-Daewoo					
Aveo (T250, T255, T300) 1,2-1,6	03.08-				
Aveo (T250, T255, T300) 1,3 D Start/Stop	03.08-	AGM 560 01			
Captiva (C100, C140) 2,4 R4 (RUS)	05.06-			560 08	
Captiva (C100, C140) 3,2 V6 (RUS)	05.06-			572 33	
Captiva (C100, C140) 2,0 CDTI (RUS)	05.06-			572 33	
Captiva (C100, C140) 2,4 R4 (ROK)	05.06-		P60 69		
Captiva (C100, C140) 3,2 V6 (ROK)	05.06-		P70 24		
Captiva (C100, C140) 2,0 CDTI (ROK)	05.06-		P95 05		
Cielo 1,5	06.94-11.00		PRO P63 40 P62 19	560 09	
Epica (KL1) 2,0-2,5 V6	06.06-		P70 24		
Epica (KL1) 2,0 TD	06.06-		P95 05		
Espero (KLEJ) 1,5-2,0	10.91-09.99		PRO P63 40 P62 19	560 09	
Evanda (KLA) 1,9-2,0	12.02-			572 33	
Kalos (KLAS) 1,2-1,5	01.02-				
Kalos Saloon (KLAS) 1,2-1,4	01.02-				
Kalos Saloon (KLAS) 1,4 16V	01.02-				
Korando (KJ)	01.96-		P60 69		
Korando (KJ) 2,9 D	01.96-		P95 05		
Lacetti (KLAN) 1,4-1,8	09.04-			560 08	
Lacetti (KLAN) 2,0 D	09.04-			572 33	
Lanos (KLAT) 1,5	05.97-			560 08	
Leganza (KLAV)	06.97-			560 08	
Matiz (KLYA) 0,8	09.98-		P40 26		
Matiz (KLYA) 1,0	09.98-		P40 27		
Nexia (KLETN)	02.95-08.97		PRO P63 42 P60 09	560 09	
Nubira, -Combi (KLAJ) 1,6-2,0	05.97-			572 33	
Orlando (J309) 1,4-2,0	01.10-			560 08	
Orlando (J309) 2,0 D	01.10-		P80 14		
Rexton (GAB) 2,9 TDI; 3,2 V6	04.02-		P95 05		
Rezzo (KLAU) 1,6-2,0	06.05-		P70 24		
Rezzo (KLAU) 1,6-2,0 LPG	06.05-		P70 24		
Spark 0,8-1,0 (46 kW)	01.05-		P40 26		
Spark 1,0 (49 kW)	01.05-		P40 27		
Spark (M300) 1,0-1,2	01.10-		P40 27		
Tacuma	03.00-			560 08	

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Tico (KLY3)	02.95-		P60 68		
Trax 1,4-1,8, 1,7 TD Start/Stop	01.12-	AGM 570 01			
Chrysler					
200 2,4-3,6 V6	06.11-		P50 41		
300 C (LX, LE), Touring 2,7	09.04-		PRO P77 42 P72 09		
300 C (LX, LE), Touring 3,5-6,1 SRT8	09.04-		PRO P84 40 P80 14		
300 C (LX, LE), Touring 3,0 CRD	09.04-		PRO P100 40 P95 33	595 33	
300 M (LHY) 2,7-3,5	01.99-12.03			560 08	
Crossfire (ZH), Roadster 3,2 V6, SRT-6	07.03-		PRO P77 40 P74 12		
Delta 1,4, 1,6 D	01.11-		PRO P63 40 P62 19		
Delta 2,0 D	01.11-		PRO P77 40 P74 12		
Delta 1,4, 1,6 D Start/Stop**	01.11-	AGM 560 01 EFB 560 11			
Delta 2,0 D Start/Stop**	01.11-	AGM 570 01 EFB 570 11			
GS Turbo II (AG)	01.88-12.92			560 08	
Le Baron 3,0	01.88-12.95			560 08	
Neon I 1,6-2,0	01.95-12.99			560 08	
Neon II 1,6-2,0	01.00-		PRO P50 40 P50 03		
New Yorker 3,5				572 33	
Pacifica 3,5-4,0	03.03-			572 33	
PT Cruiser 1,6	06.00-		PRO P50 40 P50 03		
PT Cruiser 1,6-2,4	06.00-		PRO P50 40 P50 03		
PT Cruiser 2,2 CRD**	03.01-	AGM 560 01 AGM 570 01			
Sebring (JSC) 2,0-2,7	06.01-12.07			560 10	
Sebring (JSC) 2,0 CRD	01.08-		PRO P100 40 P95 33		
Stratus (JA, JX) 2,0-2,5	01.95-12.00			560 10	
Vision (LH) 3,5	01.94-12.98			560 08	
Voyager I (ES) D	01.92-12.95			572 33	
Voyager (ES)	01.91-12.95			560 08	
Voyager II (GS) 2,0-3,0	01.95-03.01			572 33	
Voyager II (GS) 3,3-3,8 i AWD, 2,5 TD	01.95-03.01			572 33	
Voyager III, IV (RG) 2,0-3,8 AWD	02.00-12.07			572 33	
Voyager III, IV (RG) 2,5-2,8 CRD	02.00-12.07			572 33	
Voyager V (RT) 3,8	02.08-			572 33	
Voyager V (RT) 2,8 CRD	02.08-			572 33	
Ypsilon 0,9-1,3 Start/Stop**	01.11-	AGM 560 01 EFB 560 11			
Chrysler-Jeep					
Cherokee (XJ) 2,5-4,0	01.88-12.01			560 08	
Cherokee (XJ) 2,1-2,5 TD, CRD	01.88-12.01			572 33	
Cherokee (KJ) 3,7	01.02-		P60 69		
Cherokee (KJ) 2,5 CRD	01.02-			572 33	
Cherokee (KK) 2,8 CRD	01.08-		P95 05		
Commander (XH) 3,8-5,7 V8 HEMI	03.06-		PRO P84 40 P80 14		
Commander 3,0 V6 CRD	03.06-		PRO P100 40 P95 33		
Compass (MK49) 2,4	12.06-			560 08	
Compass (MK49) 2,0 CRD	12.06-			572 33	
Grand Cherokee I (ZJ) 4,0-5,2	01.93-12.95			560 08	
Grand Cherokee I (ZG) 2,5 TD+CRD	01.96-12.98			572 33	

CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull BackUp
Grand Cherokee II (WJ/WG) 3,7-4,7	01.99-12.04			572 33	
Grand Cherokee II (WJ/WG) 2,7 CRD	01.99-12.04		PRO P100 40 P95 33	595 33	
Grand Cherokee III (WH) 3,7-6,1	01.05-		PRO P84 40 P80 14		
Grand Cherokee III (WH) 3,0 CRD	01.05-		PRO P100 40 P95 33		
Patriot (MK74) 2,4	03.07-			572 33	
Patriot (MK74) 2,0 CRD	03.07-			572 33	
Wrangler I (YJ) 2,5-4,0	01.88-08.96			560 08	
Wrangler II (TJ) 2,4-4,0	08.96-12.07			560 08	
Wrangler III (JK) 3,8	02.06-		P60 69		
Wrangler III (JK) 2,8 CRD	02.06-			572 33	
Citroen					
Berlingo (MF, M_) 1,1-1,8	07.96-		PRO P63 40 P62 19	562 19	
Berlingo (MF, M_) 1,8-1,9 D	07.96-		PRO P63 40 P62 19	562 19	
Berlingo (MF, M_) 1,8-1,9 D; 1,6-2,0 HDi	07.96-		PRO P77 40 P74 12	572 12	
Berlingo 1,6 e-HDi 90 Start/Stop	04.08-	AGM 570 01			
C1 (PM, PN) 1,0	06.05-		P42 08		
C1 (PM, PN) 1,4 HDi 55	06.05-		PRO P50 40 P50 03		
C15 (VD-) 1,1-1,4	10.84-12.97		PRO P50 40 P50 03	545 59	
C15 (VD-) 1,8 D	10.84-12.97		PRO P63 40 P62 19	562 19	
C2 (JM) 1,1-1,6	09.03-		PRO P50 40 P50 03	545 59	
C2 (JM) 1,4-1,6 HDi 70-110	09.03-		PRO P63 40 P62 19	562 19	
C2 (JM) 1,4; 1,4-1,6 e-HDi 70-110 Start/Stop	02.11-	AGM 560 01			4Ah
C25 (280, 290) 1,8-2,0	07.84-12.94		PRO P63 40 P62 19	562 19	
C25 (280, 290) 2,5 D, TD	07.84-12.94		PRO P100 40 P95 33	595 33	
C3 (FC, HB) 1,1-1,6 - Pluriel	02.02-		PRO P50 40 P50 03	545 59	
C3 (FC, HB) 1,4-1,6 HDi - Pluriel 70-110	02.02-		PRO P63 40 P62 19	562 19	
C3 (FC, HB) 1,4 16V Start/Stop	02.11-	AGM 560 01			4Ah
C3 Picasso 1,4; 1,6 HDi	02.09-		PRO P63 40 P62 19		
C3 Picasso 1,4 VTi	11.09-		PRO P50 40 P50 03		
C3 Picasso 1,4; 1,6 HDi Start/Stop	02.09-	AGM 570 01			
C3 Picasso 1,4 VTi Start/Stop	11.09-	AGM 560 01			
C4 (LC, LA, DU, UA) 1,4-1,6 - Coupe, Grand-, Picasso	06.05-		PRO P50 40 P50 03		
C4 (LC, LA, DU, UA) 2,0 - Coupe, Grand-, Picasso	06.05-		PRO P63 40 P62 19		
C4 (LC, LA, DU, UA) 1,6-2,0 HDi 110-135 - Coupe, Grand-, Picasso	06.05-		PRO P77 40 P74 12		
C4 (UD) 1,6 e-HDi 110 Picasso, Grand Picasso Start/Stop	02.07-	AGM 570 01			
C4 (B7) 1,6 THP, VTi Aircross Start/Stop	11.09-	EFB 565 15			
C4 (B7) 1,6-2,0 e-HDi Aircross Start/Stop	11.09-	EFB 595 15			
C5 (DE, RC, RE, RD, TD) 1,6-2,0	03.01-		PRO P63 40 P62 19	562 19	

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull BackUp
C5 (DE, RC, RE, RD, TD) 2,0-3,0	03.01-		PRO P77 40 P74 12	572 12	
C5 (DE, RC, RE, RD, TD) 1,6-3,0 HDi 110-135	03.01-		PRO P77 40 P74 12	572 12	
C5 (RD, TD) 1,6 e-HDi 110 Start/Stop	02.11-	AGM 570 01			
C6 (TD) 3,0 V6	09.06-		PRO P77 40 P74 12		
C6 (TD) 2,2 HDi	09.06-		PRO P77 40 P74 12		
C6 (TD) 2,7 HDi	09.06-		PRO P100 40 P95 33		
C6 (TD) 3,0 V6 Start/Stop	09.06-	AGM 570 01			
C6 (TD) 2,2 HDi Start/Stop	09.06-	AGM 570 01			
C6 (TD) 2,7 HDi Start/Stop	09.06-	AGM 592 01			
C8 (EA, EB) 2,0-3,0	07.02-		PRO P77 40 P74 12		
C8 (EA, EB) 2,0-2,2 HDi	07.02-		PRO P77 40 P74 12		
C-Crosser (EP) 2,0	02.07-		PRO P63 40 P62 19		
C-Crosser (EP) 2,4	02.07-		PRO P77 40 P74 12		
C-Crosser (EP) 2,2 HDi	02.07-		P95 04		
C-Elysee 1,2-1,6	01.12-		PRO P50 40 P50 03		
C-Elysee 1,6 HDi	01.12-		PRO P63 40 P62 19		
C-Elysee 1,6 Hdi Start/Stop	01.12-	AGM 560 01			
C-Zero (47 kW)***	09.10-		P40 26		
DS3 1,2-1,6 VTi	11.09-		PRO P50 40 P50 03		
DS3 1,4-1,6 HDi	11.09-		PRO P63 40 P62 19		
DS3 1,6 THP Start/Stop	11.09-	AGM 560 01			
DS3 1,4-1,6 HDi Start/Stop	11.09-	AGM 570 01			
DS4 1,6 VTi, THP	03.11-		PRO P63 40 P62 19		
DS4 1,6-2,0 HDi	03.11-		PRO P77 40 P74 12		
DS4 1,6 VTi, THP Start/Stop	03.11-	AGM 560 01			
DS4 1,6-2,0 HDi Start/Stop	03.11-	AGM 570 01			
DS5 1,6 THP	01.11-		PRO P63 40 P62 19		
DS5 1,6-2,0 HDi	01.11-		PRO P77 40 P74 12		
DS5 1,6 THP Start/Stop	01.11-	AGM 560 01			
DS5 1,6-2,0 HDi Start/Stop	01.11-	AGM 570 01			
Evasion (22, U6U) 1,8-2,0	06.94-07.02		PRO P63 40 P62 19	562 19	
Evasion (22, U6U) 1,9-2,1 TD, HDi	06.94-07.02		PRO P77 40 P74 12	572 12	
Jumper (230P, -L, 244) 2,0	02.94-		PRO P63 40 P62 19	562 19	
Jumper (230P, -L, 244) 1,9-2,2 D, TDi, HDi	02.94-		PRO P77 40 P74 12	572 12	
Jumper (230P, -L, 244) 2,5-2,8 D, TDi, HDi	02.94-06.06		PRO P100 40 P95 33	595 33	
Jumper (244) 2,2-3,0 D, HDi	04.06-		PRO P100 40 P95 33		
Jumpy (U6U) 1,6-2,0	06.94-		PRO P63 40 P62 19	562 19	
Jumpy (U6U) 1,9-2,0 D, TD, HDi	06.94-		PRO P63 40 P62 19	562 19	
Jumpy 2,0	01.07-		PRO P63 40 P62 19		
Jumpy 1,6-2,0 e-HDi	01.07-		PRO P77 40 P74 12		
Nemo 1,3 HDi 75 Start/Stop	01.08-	AGM 560 01			

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

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CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Nemo 1,4 HDi	01.08-		PRO P63 40 P62 19		
Saxo (S0, S1) 1,5 D	02.96-04.04		PRO P63 40 P62 19	562 19	
Saxo (S0, S1) 1,0-1,6	02.96-04.04		PRO P50 40 P50 03	545 59	
Xantia (X1, X2) 1,9-2,1 D, TD, HDi	03.93-04.03		PRO P77 40 P74 12	572 12	
Xantia (X1, X2) 1,6-2,0	03.93-04.03		PRO P50 40 P50 03	545 59	
Xantia (X1, X2) 2,5-3,0 V6	03.93-04.03		PRO P63 40 P62 19	562 19	
XM (Y3, Y4) 1,8-2,0	05.89-10.00		PRO P63 40 P62 19	562 19	
XM (Y3, Y4) 3,0 V6; 2,1-2,5 D, TD	05.89-10.00		PRO P77 40 P74 12	572 12	
Xsara (N1, N2, N0, N68) 1,4-1,6 -Picasso	04.97-		PRO P50 40 P50 03	545 59	
Xsara (N1, N2, N0, N68) 1,5-2,0 HDi -Picasso	04.97-		PRO P63 40 P62 19	562 19	
Xsara (N1, N2, N0, N68) 1,8-2,0 -Picasso	04.97-		PRO P63 40 P62 19	562 19	
ZX (N2) 1,4-2,0 i	03.91-10.97		PRO P63 40 P62 19	562 19	
ZX (N2) 1,8-1,9 D, TD	03.91-10.97		PRO P77 40 P74 12	572 12	
Cupra					
Ateca (KH7) 2,0 TSI, Cupra 300 Start/Stop	03.18-	EFB 570 11 AGM 570 01			
Dacia					
1210-1410	06.83-12.94		PRO P50 40 P50 03	545 59	
Dokker 1,2-1,6	09.12-		PRO P50 40 P50 03		
Dokker 1,5 dCi	09.12-		PRO P63 40 P62 19		
Dokker 1,2-1,6 Start/Stop	09.12-	AGM 560 01			
Dokker 1,5 dCi Start/Stop	09.12-	AGM 560 01			
Duster 1,2-1,6	04.10-		PRO P50 40 P50 03		
Duster 1,5 dCi 85-110	04.10-	AGM 560 01			
Duster 1,2-1,6 Start/Stop	04.10-	AGM 560 01			
Duster 1,5 dCi 85-110 Start/Stop	04.10-		PRO P63 40 P62 19		
Lodgy 1,2-1,6	06.12-		PRO P50 40 P50 03		
Lodgy 1,5 dCi	06.12-		PRO P63 40 P62 19		
Lodgy 1,2-1,6 Start/Stop	06.12-	AGM 560 01			
Lodgy 1,5 dCi Start/Stop	06.12-	AGM 560 01			
Logan (LS, KS) 1,4-1,6; MCV	09.04-		PRO P50 40 P50 03		
Logan (LS, KS) 1,5 dCi; MCV	09.04-		PRO P63 40 P62 19		
Sandero 1,2-1,6	11.08-		PRO P50 40 P50 03		
Sandero 1,5 dCi	11.08-		PRO P63 40 P62 19		
Sandero 1,2-1,6 Start/Stop	11.08-	AGM 560 01			
Sandero 1,5 dCi Start/Stop	11.08-	AGM 560 01			
Solenza 1,4	02.03-		PRO P50 40 P50 03	545 59	
Solenza 1,9 D	02.03-		PRO P63 40 P62 19	562 19	
Daihatsu					
Applause I, II (A101, -111) 1,6	06.89-05.00		P45 23		
Atrai Bus 1,3	07.00-		P45 23		
Boon 1,0-1,3	01.05-		P40 26		

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Charade IV (G200-203) 1,0-1,6; Valera	01.93-06.00		P45 23		
Charade (L2) 1,0	03.03-		P40 26		
Charade 1,33 16V	01.11-		P45 23		
Charade VI 1,33 16V Start/Stop	05.11-	EFB 538 15			
Charmant (A) 1,3-1,6	10.81-07.87		P45 23		
Copen 0,7-1,3	09.03-		P40 26		
Cuore III (L201) 0,7	08.90-04.95		P45 23		
Cuore III (L201) 0,8	08.90-04.95		P40 26		
Cuore IV (L501) 0,8	12.94-10.98		P45 23		
Cuore V, VI (L5, L7) 0,8-1,0	11.96-05.03		P40 26		
Cuore VII (L251) 0,7 (35-43kW)	03.03-		P40 25		
Cuore VII (L251) 0,7 (47kW)-1,0	03.03-		P40 26		
Cuore VIII 1,0	04.07-		P40 26		
Cuore VIII 1,0 Start/Stop	04.14-	EFB 538 15			
Extol Bus (S22, S23) 1,3	07.00-		P45 23		
Feroza (F300), Taft, Sportrak 0,7-1,6	10.88-		P40 27		
Gran Move (G3) 1,5-1,6 16V	10.96-		P45 23		
Hijet (S85), Spar Car 0,8-1,3	10.96-		P40 26		
Hijet (S85) 1,2-1,4 D	10.96-		PRO P63 40 P62 19	562 19	
Materia (M4) 1,0-1,5 ECO 4WD	10.06-		P40 26		
Move (L6, L9) 0,7-1,0	10.96-		P40 26		
Rocky (F7, F8) 2,0-2,2; 2,8 D, TD	06.84-12.98		P95 05		
Sirion (M1) 0,7 Turbo 4WD	04.98-04.05		P40 26		
Sirion (M1) 1,0-1,3	04.98-04.05		P45 23		
Sirion (M3) 1,0-1,5	01.05-		P40 26		
Sirion (M6) 1,0-1,5 Start/Stop	01.11-	EFB 538 15			
Terios (J1) 0,7	05.97-10.05		P40 25		
Terios (J1) 1,3 (61kW) -1,3 DVVT 4WD	05.97-10.05		P45 24		
Terios (J1) 1,3 (63kW)	05.97-10.05		P45 23		
Terios (J2) 1,3 DVVT-1,5	11.05-		P40 26		
Trevis 1,0	06.06-		P40 26		
YRV (M2) 1,0	02.01-		P40 26		
YRV (M2) 1,3 4WD, GTi	02.01-		P45 23		
Daimler					
X300 4,0; V8 Super 4,0; Double Six 6,0	10.89-12.02		PRO P100 40 P95 33	595 33	
Dodge					
Avenger (USD) 2,0, 2,0 CRD	09.07-		PRO P50 40 P50 03		
Avenger (USD) 2,4-3,6	09.07-			560 08	
Caliber (PM) 1,8-2,4	06.06-		P60 69		
Caliber (PM) 2,0 CRD	06.06-			572 33	
Caravan (RG) 2,4-3,8	01.00-		P70 24		
Challenger 3,5-6,4 SRT8	01.08-		PRO P77 40 P74 12		
Charger 3,6-6,4	01.11-		PRO P77 40 P74 12		
Dart 1,4 Start/Stop**	01.12-	AGM 560 01 EFB 560 11			
Dart 2,0-2,4	01.12-		PRO P63 40 P62 19		
Dart 2,0-2,4 Start/Stop**	01.12-	AGM 560 01 EFB 560 11			
Journey (JC) 2,4-3,6	01.09-		P60 69		
Journey (JC) 2,0 CRD	01.08-		PRO P100 40 P95 33		
Neon II 2,0 16V	01.99-		P70 24		
Nitro (KA) 4,0 V6	01.08-		P60 69		
Nitro (KA) 2,8 CRD	01.08-		P95 05		

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment

CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
RAM 4000 (DR, D1, DC, DM, DH) 5,7; 5,9–6,7 D	01.07-		PRO P77 40 P74 12		
Viper (SR, ZB)	01.93-			560 08	
Ferrari					
348 TB, TS 3,4	02.90-12.95		PRO P77 40 P74 12	572 12	
360 Modena, Spider (F131)	03.99-		PRO P77 42 P72 09	570 44	
California 4,3	07.08-		PRO P77 40 P74 12		
456 GT, 512 M, TR	01.93-		PRO P77 40 P74 12	572 12	
458 Italia 4,5	12.09-		PRO P77 40 P74 12		
5_ Maranello 550-575 M	09.96-		PRO P77 40 P74 12	572 12	
512 M 4,9-5,0	11.84.08.96		PRO P77 40 P74 12	572 12	
550 Barchetta 5,5	10.00-			572 33	
599 GTB/GTO 6,0	03.06-		PRO P77 40 P74 12		
612 Scaglietti 5,7 V12	09.96-		PRO P77 40 P74 12	572 12	
FF 6,3 V12	06.11-		PRO P100 40 P95 33		
F12 Berlinetta 3,5	01.12-	AGM 592 01			
F355 Berlinetta, GTS 3,5	03.87-		PRO P77 40 P74 12	572 12	
F430, -Spider 4,3	03.05-		PRO P77 40 P74 12		
Mondial 8, -T, Testarossa	80-		PRO P77 40 P74 12	572 12	
Superamerica 5,7	01.05-		PRO P77 40 P74 12		
Fiat					
Barchetta (183)	03.95-05.05		PRO P50 40 P50 03	545 59	
Bravo, Brava I, II (182) 1,6-2,0 D, TD, JTD	10.95-		PRO P63 40 P62 19	562 19	
Bravo, Brava I, II (182) 1,2-1,6	10.95-		PRO P50 40 P50 03	545 59	
Bravo, Brava (I, II 182) 1,8-2,0	10.95-		PRO P63 40 P62 19	562 19	
Bravo, Brava II (198) 1,4 16V Start/Stop**	03.10-	EFB 560 11 AGM 560 01			
Cinquecento (170) 0,7-1,1	07.91-01.98		PRO P50 40 P50 03	545 59	
500, L 0,9-1,4, Abarth	09.07-		PRO P50 40 P50 03		
500, L 1,3 D Multijet, JTD	09.07-		PRO P50 40 P50 03		
500, C, L 0,9-1,4; 1,3 D Multijet Start/Stop**	09.07-	EFB 560 11 AGM 560 01			
500 L 1,6 D Multijet Start/Stop**	09.12-	EFB 570 11 AGM 570 01			
500 X 1,4	11.14-		PRO P50 40 P50 03	545 59	
500 X 2,4	11.14-				
500 X 1,3 D Multijet	11.14-		PRO P50 40 P50 03		
500 X 1,6-2,0 D Multijet	11.14-		PRO P63 40 P62 19		
500 X 1,4 Start/Stop	11.14-	EFB 560 11 AGM 560 01			
500 X 2,4 Start/Stop	11.14-				
500 X 1,3 D Multijet Start/Stop**	11.14-	EFB 560 11 AGM 560 01			
500 X 1,6-2,0 D Multijet Start/Stop**	11.14-	EFB 570 11 AGM 570 01			

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Coupé (FA/175) 1,8-2,0	11.93-		PRO P63 40 P62 19	562 19	
Croma (154) 1600	12.85-12.96		PRO P50 40 P50 03	545 59	
Croma (154) 1900-2500 TD	12.85-12.96		PRO P77 40 P74 12	572 12	
Croma (154) 2000-2500 V6	12.85-12.96		PRO P63 40 P62 19	562 19	
Croma (194) 1,8-2,2, 1,9-2,4 D	06.05-		PRO P63 40 P62 19		
Daily	03.98-		PRO P63 40 P62 19	562 19	
Daily D, TD	03.98-		PRO P100 40 P95 33	595 33	
Doblò (119, 223) 1,2-1,6	03.01-		PRO P50 40 P50 03	545 59	
Doblò (119, 223) 1,3-1,9 D, JTD	03.01-		PRO P63 40 P62 19	562 19	
Doblò (263) 1,4 Start/Stop**	11.09-	EFB 560 11 AGM 560 01			
Doblò (263) 1,6 D Start/Stop**	11.09-	EFB 560 11 AGM 560 01			
Doblò (263) 2,0 D Start/Stop**	11.09-	EFB 570 11 AGM 570 01			
Ducato (280, 290, 230, 250, -L, 244) 1,8-2,0	07.82-		PRO P77 40 P74 12		
Ducato (280, 290, 230, 250, -LD, TD, 244) 1,9-3,0 D, TD, JTD	07.82-		PRO P100 40 P95 33		
Ducato Bus (250) 100-160 Natural Power 3,0	07.06-		PRO P110 40		
Ducato Bus (250) 100-160 Multijet Power 2,2-3,0 D	07.06-		PRO P110 40		
Duna 0,9-1,4	07.91-07.96		PRO P50 40 P50 03	545 59	
Fiorino (146 Uno) Kasten	05.88-		PRO P63 40 P62 19	562 19	
Fiorino (146, 147) 1,0-1,6 Pick up	01.80-		PRO P50 40 P50 03		
Fiorino (146, 147) 1,3-1,7 D, TD Pick up	01.80-		PRO P77 40 P74 12	572 12	
Fiorino (225) 1,4; 1,3 D	02.08-		PRO P50 40 P50 03		
Freemont 2,4-3,6 V6 Pentastar	06.11-		PRO P77 40 P74 12		
Freemont 2,0 JTD Multijet	06.11-		PRO P77 40 P74 12		
Fullback (502, 503) 2,4-2,5 D	01.16-	EFB 580 11 AGM 580 01			
Grande Punto (199) 1,2-1,4	10.05-		PRO P50 40 P50 03		
Grande Punto (199) 1,3-1,9 D Multijet	10.05-		PRO P63 40 P62 19		
Grande Punto (199) 1,2-1,4 EVO Start/Stop**	10.05-	EFB 560 11 AGM 560 01			
Grande Punto (199) 1,3-1,9 D Multijet EVO Start/Stop**	10.05-	EFB 560 11 AGM 560 01			
Idea 1,2-1,4	12.03-		PRO P50 40 P50 03		
Idea 1,3-1,9 JTD	12.03-		PRO P63 40 P62 19	562 19	
Idea 1,4 16V Start/Stop**	12.03-	EFB 560 11 AGM 560 01			
Idea 1,3 D Start/Stop**	12.03-	EFB 560 11 AGM 560 01			
Idea 1,6 D Start/Stop**	12.03-	EFB 570 11 AGM 570 01			
Linea (323) 1,4	06.07-		PRO P63 40 P62 19		

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment



CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Linea (323) 1,3-1,6 D Multijet	06.07-		PRO P63 40 P62 19		
Marea (185) 1,4-1,6	09.96-12.07		PRO P50 40 P50 03	545 59	
Marea (185) 1,8-2,0	09.96-12.07		PRO P63 40 P62 19	562 19	
Marea (185) 1,9-2,4 TD, JTD	09.96-12.07		PRO P63 40 P62 19	562 19	
Multipla (186) 1,6	04.99-12.10		PRO P50 40 P50 03	545 59	
Multipla (186) 1,9 JTD, TD	04.99-12.10		PRO P63 40 P62 19	562 19	
Palio (178BX) 1,2-1,6	04.96-		PRO P50 40 P50 03	545 59	
Palio (178BX) 1,7 TD	04.96-		PRO P63 40 P62 19	562 19	
Panda I, II (141A, 169, 176) 650-1100, 1,1-1,2	03.80-12.11		P42 08		
Panda II (169) 1,2-1,4	09.03-12.11		PRO P50 40 P50 03		
Panda I, II (141A, 169, 176) 1300 D, 1,3 JTD	03.80-12.11		PRO P50 40 P50 03		
Panda III (312) 0,9-1,2	01.12-		PRO P50 40 P50 03		
Panda II, III (169, 312) 0,9-1,2 Twinair Start/Stop**	01.12-	EFB 560 11 AGM 560 01			
Panda II, III (169, 312) 0,9-1,3 JTD Start/Stop**	01.12-	EFB 560 11 AGM 560 01			
Punto I, II, III, IV (176, -C, -L, 188, AX) 1,1-1,2	09.93-10.09		P42 08		
Punto I, II, III, IV (176, -C, -L, 188, AX) 1,1-1,8	09.93-10.09		PRO P50 40 P50 03		
Punto I, II, III, IV (176, -C, -L, 188, AX) 1,3-1,9 D, JTD	09.93-10.09		PRO P63 40 P62 19	562 19	
Punto/Grande Punto (199) 0,9-1,4	10.05-		P42 08		
Punto/Grande Punto (199) 1,2-1,4 Start/Stop**	10.05-	EFB 560 11 AGM 560 01			
Punto/Grande Punto (199) 1,1-1,2 4 T-Jet, Abarth	10.05-		P42 08		
Punto/Grande Punto (199) 1,4 T-Jet, Abarth	10.05-		PRO P63 40 P62 19		
Punto/Grande Punto (199) 1,3-1,9 D (51 kW)	10.05-		PRO P50 40 P50 03		
Punto/Grande Punto (199) 1,3-1,9 D Start/Stop**	10.05-	EFB 560 11 AGM 560 01			
Punto/Grande Punto (199) 1,3 (66 kW)-1,9 D	10.05-		PRO P63 40 P62 19		
Punto EVO 1,2 Start/Stop	07.08-02.12	EFB 560 11 AGM 560 01			
Punto EVO 1,4	07.08-02.12		PRO P63 40 P62 19	562 19	
Punto EVO 1,4 Start/Stop**	07.08-02.12	EFB 560 11 AGM 560 01			
Punto EVO 1,3 D Start/Stop**	07.08-02.12	EFB 560 11 AGM 560 01			
Punto EVO 1,6 D Start/Stop**	07.08-02.12	EFB 570 11 AGM 570 01			
Punto (199) 0,9-1,4, 1,3 D Start/Stop**	03.12-	EFB 560 11 AGM 560 01			
Qubo (225) 1,4	03.09-		PRO P50 40 P50 03		
Qubo (225) 1,3 JTD, Multijet	03.09-		PRO P63 40 P62 19		
Qubo (225) 1,3 JTD, Multijet Start/Stop**	03.09-	EFB 560 11 AGM 560 01			
Scudo (220P, -L, 270) 1,6-2,0	02.96-		PRO P63 40 P62 19	562 19	
Scudo (220P, -L, 270) 1,6-2,0 D, TD, JTD	02.96-		PRO P77 40 P74 12	572 12	

* with base hold-down adapter Art.No. 305002030101

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Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Sedici 1,6	05.06-		PRO P50 40 P50 03		
Sedici 1,9 JTD	05.06-		PRO P63 40 P62 19		
Seicento (187) 0,9-1,1	01.98-		PRO P50 40 P50 03		
Siena 1,4, 1,3 JTD	01.07-		PRO P50 40 P50 03		
Stilo (192) 1,2-1,4	09.01-		PRO P50 40 P50 03	545 59	
Stilo (192) 1,8-2,4	09.01-		PRO P63 40 P62 19	562 19	
Stilo (192) 1,9 D, JTD	09.01-		PRO P63 40 P62 19	562 19	
Strada (178E)	06.99-		PRO P50 40 P50 03		
Strada (178E) D, JTD	06.99-		PRO P63 40 P62 19	562 19	
Talento (290) 2,0	03.89-03.94		PRO P77 40 P74 12	572 12	
Talento (290) 1,9 D, TD	03.89-03.94		PRO P100 40 P95 33	595 33	
Tempra (159) 1,4-2,0	03.90-08.97		PRO P63 40 P62 19	562 19	
Tempra (159) 1,9 D, TD	03.90-08.97		PRO P77 40 P74 12	572 12	
Tipo (160) 1,1-1,6	07.87-04.95		PRO P50 40 P50 03		
Tipo (160) 1,7-1,9 D, TD	07.87-04.95		PRO P77 40 P74 12	572 12	
Tipo (160) 1,8-2,0	07.87-04.95		PRO P63 40 P62 19	562 19	
Ulysse (220, 179AX) 1,8-2,0 Turbo	06.94-		PRO P63 40 P62 19	562 19	
Ulysse (220, 179AX) 1,9-2,2 TD, JTD	06.94-		PRO P77 40 P74 12	572 12	
Uno (146A/E) 0,9-1,3	01.83-08.00		PRO P50 40 P50 03		
Uno (146A/E) 1,4-1,6	01.83-08.00		PRO P63 40 P62 19	562 19	
Uno (146A/E) 1,3-1,9 D, TD, SuperDiesel	01.83-08.00		PRO P63 40 P62 19	562 19	
Fisker					
Karma Eco Sport 2,0 Hybrid (2 x 150 kW)	01.12-	AGM 570 01			
Ford (D)					
B-Max 1,0-1,6	06.12-		PRO P50 42 P44 09		
B-Max 1,5-1,6 TDCi	06.12-		PRO P63 42 P60 09		
B-Max 1,0-1,6 ECONetic Start/Stop	06.12-	EFB 565 12			
B-Max 1,5-1,6 TDCi ECONetic Start/Stop	06.12-	EFB 565 12			
C-Max I (DAW, DBW, DFW, DNW) 1,4-1,6	10.98-		PRO P63 42 P60 09	560 09	
C-Max I (DAW, DBW, DFW, DNW) 1,6-2,0 TD, TDCi	10.98-		PRO P77 42 P72 09	570 44	
C-Max I (DAW, DBW, DFW, DNW) 1,8-2,0	10.98-		PRO P63 42 P60 09	560 09	
C-Max II (DAW, DBW, DFW, DNW) 1,4-1,6 ECONetic Start/Stop	09.10-	EFB 565 12			
C-Max II (DAW, DBW, DFW, DNW) 1,6-2,0 TD, TDCi ECONetic Start/Stop	09.10-	EFB 575 12			
C-Max II (DAW, DBW, DFW, DNW) 1,8-2,0 ECONetic Start/Stop	09.10-	EFB 565 12			

CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Cougar (BCV) 2,0-2,5 V6	01.99-		PRO P63 42 P60 09	560 09	
Cougar (BCV) 25 ST 200	01.99-		PRO P77 42 P72 09	570 44	
Escort (AVL) 1,4	01.95-		PRO P63 42 P60 09	560 09	
Escort (AVL) 1,8 D, Turbo D	01.95-		PRO P77 42 P72 09	570 44	
Ecosport 1,0-1,5 ECOBoost	10.13-		PRO P63 42 P60 09		
Ecosport 1,0-1,5 EONetic Start/Stop	10.13-	EFB 565 12			
Ecosport 1,5 TDCi EONetic Start/Stop**	10.13-	EFB 565 12 EFB 575 12			
Fiesta II, III, IV, V 1,6-1,8 RS Turbo	05.89-		PRO P63 42 P60 09	560 09	
Fiesta III, IV, V 1,0-1,3 Courier (JAS, JBS, JH, JD)	12.95-		PRO P50 42 P44 09	544 09	
Fiesta III, IV, V 1,4-1,8 Courier (JAS, JBS, JH, JD)	12.95-		PRO P63 42 P60 09	560 09	
Fiesta III, IV, V 1,4-1,8 D, TDCi, Courier (JAS, JBS, FVD, JH, JD)	12.95-		PRO P77 42 P72 09	570 44	
Fiesta VI 1,25-1,6	10.08-		PRO P50 42 P44 09		
Fiesta VI 1,4-1,8 TDCi	10.08-		PRO P63 42 P60 09		
Fiesta VI 1,25-1,6 EONetic Start/Stop	01.10-	EFB 565 12			
Fiesta VI 1,4-1,8 TDCi EONetic Start/Stop	01.10-	EFB 575 12			
Focus I, II (DAW, DBW, DFW, DNW) 1,4-1,6	10.98-		PRO P63 42 P60 09	560 09	
Focus I, II (DAW, DBW, DFW, DNW) 1,6-2,0 TD, TDCi	10.98-		PRO P77 42 P72 09	570 44	
Focus I, II (DAW, DBW, DFW, DNW) 1,8-2,5 ST	10.98-		PRO P63 42 P60 09	560 09	
Focus II (DA, DNW) 1,4-1,6 EONetic ECOBoost Start/Stop	11.04-	EFB 565 12			
Focus II (DA, DNW) 1,6-2,5 TDCi EONetic ECOBoost Start/Stop	11.04-	EFB 575 12			
Focus III 1,6 EONetic Start/Stop	04.11-	EFB 565 12			
Focus III 1,6 TDCi EONetic Start/Stop	04.11-	EFB 575 12			
Fusion (JU) 1,25-1,4	08.02-		PRO P50 42 P44 09	544 09	
Fusion (JU) 1,6	08.02-		PRO P63 42 P60 09	560 09	
Fusion (JU) 1,4-1,6 TDCi	08.02-		PRO P77 42 P72 09	570 44	
Galaxy (WGR, VX, VY) 1,9-2,0 TDi, TDCi	03.95-05.06		PRO P100 40 P95 33	595 33	
Galaxy (WGR, VX, VY) 2,0-2,3	03.95-05.06		PRO P77 40 P74 12	572 12	
Galaxy (WGR, VX, VY) 2,8 V6	03.95-05.06		PRO P100 40 P95 33	595 33	
Galaxy 2,0-2,3	05.06-		PRO P63 42 P60 09		
Galaxy 1,8-2,2 TDCi	05.06-		P80 14		
Galaxy 1,6; 1,6 TDCi EONetic Start/Stop	05.06-	EFB 575 12			
Grand C-Max 1,6 EONetic Start/Stop	12.10-	EFB 565 12			
GT 3,5 ECOBoost V6	09.16-	EFB 565 12			
Ka (RB) 1,0-1,6; Street Ka, Sport Ka	01.96-11.08		PRO P50 42 P44 09	544 09	

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Ka 1,2; 1,3 TDCi Street Ka, Sport Ka	10.08-		PRO P63 40 P62 19		
Ka 1,2; 1,3 TDCi Street Ka, Sport Ka EONetic Start/Stop	10.08-	EFB 565 12			
Kuga 2,5 Turbo	03.08-		PRO P63 42 P60 09		
Kuga 2,0 TDCi	03.08-		PRO P77 42 P72 09		
Kuga 1,6 EONetic Start/Stop****	03.13--	EFB 575 12			
Maverick (UDS, UNS) 2,4-2,7 TD	02.93-04.98		P70 24		
Maverick 2,0-3,0	02.01-		PRO P63 42 P60 09	560 09	
Mondeo I, II, III, IV (GBP, BNP, BAP, BFP, BNP, B5Y, B4Y, BWY) 1,6-2,0	02.93-		PRO P63 42 P60 09		
Mondeo I, II, III, IV (GBP, BNP, BAP, BFP, BNP, B5Y, B4Y, BWY) 1,8-2,0 TD, TDCi	02.93-		PRO P77 42 P72 09		
Mondeo I, II, III, IV (GBP, BNP, BAP, BFP, BNP, B5Y, B4Y, BWY) 2,2 TD, TDCi	02.93-		P80 14		
Mondeo I, II, III, IV (GBP, BNP, BAP, BFP, BNP, B5Y, B4Y, BWY) 2,3-2,5 V6	02.93-		PRO P77 42 P72 09		
Mondeo III, IV (B5Y, B4Y, BWY) 3,0 V6, ST220	11.00-		PRO P77 42 P72 09		
Mondeo IV 1,6 EONetic Start/Stop	03.07-12.14	EFB 565 12			
Mondeo IV 1,6 TDCi EONetic Start/Stop	03.07-12.14	EFB 575 12			
Mondeo V (BA7) 1,0-2,0 EONetic Start/Stop, Hybrid**	03.14-	AGM 560 01 EFB 560 11			
Mondeo V (BA7) 1,5-2,0 TDCi EONetic Start/Stop**	03.14-	AGM 570 01 EFB 570 11			
Puma (EC_) 1,4-1,7	03.97-06.02		PRO P63 42 P60 09	560 09	
Puma (EC_) ST 160	03.97-06.02		PRO P63 42 P60 09	560 09	
Ranger (TU) 2,6-4,0; 2,5-3,0 D, TD, TDCi	10.99-		P95 05		
Ranger 2,5, 2,2 TDCi	01.11-		PRO P77 42 P72 09		
Ranger 3,2 TDCi	01.11-		P80 14		
Scorpio I, II (GAE, GGE, GFR, GGR, GNR) 2,3-2,9; 2,5 D, TD	04.85-08.98		PRO P63 42 P60 09	560 09	
Scorpio I, II (GAE, GGE, GFR, GGR, GNR) 1,8-2,0	04.85-08.98		PRO P77 42 P72 09	570 44	
S-Max 2,0-2,5 20V	05.06-		PRO P63 42 P60 09		
S-Max 1,8-2,2 TDCi	05.06-		P80 14		
S-Max 2,0-2,5 20V EONetic Start/Stop****	02.10-	EFB 565 12			
S-Max 1,8-2,2 TDCi EONetic Start/Stop****	02.10-	EFB 575 12			
Tourneo Connect 1,8	09.02-		PRO P63 42 P60 09	560 09	
Tourneo Connect 1,8-3,2 TDCi	09.02-		P80 14	580 14	
Tourneo Connect 1,0 EONetic	01.13-		PRO P63 42 P60 09		
Tourneo Connect 1,6, TDCi EONetic	01.13-		PRO P77 42 P72 09		
Transit (V, T, E) 1,3-2,0	01.77-07.94			560 09	
Transit (V, T, E) 1,6-2,3	08.94-07.00		PRO P63 42 P60 09	560 09	

* with base hold-down adapter Art.No. 305002030101

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**** not yet available in the Banner assortment



CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Transit (V, T, E) 2,0-2,5 DI, TDE	08.94-07.00		PRO P77 42 P72 09	570 44	
Transit (FD, FB, FS, FZ, FC, FA, FM, FN) 2,3	01.00-		PRO P63 42 P60 09	560 09	
Transit (FD, FB, FS, FZ, FC, FA, FM, FN) 1,8-2,4 DI, TDE, TDi, TDCi	01.00-		P80 14	580 14	
Transit Connect 1,8	09.02-		PRO P63 42 P60 09	560 09	
Transit Connect 1,8 Di, TDCi	09.02-		P80 14	580 14	
Transit Connect 1,0 EConetic	01.13-		PRO P63 42 P60 09		
Transit Connect 1,6, TDCi EConetic	01.13-		PRO P77 42 P72 09		
Transit Nugget 1,8-2,4 TDCi	01.00-		PRO P77 42 P72 09	570 44	
Transit, -Nugget 1,8-2,4 TDCi EConetic Start/Stop	01.06-	AGM 592 01			
Ford (USA)					
Aero Star	01.95-		PRO P77 42 P72 09	570 44	
Bronco 2,9 V6 I, II	01.88-08.90		P70 29 P80 09		
Edge 2,0 TDCi AWD	08.15-	EFB 575 12			
Explorer (U2) 4,0-4,9 V6	01.93-			572 33	
Mustang, -Convertible (C) 3,8-4,9	09.93-12.14		PRO P63 40 P62 19	562 19	
Mustang 2,3 ECOBoost; 5,0 V8	01.15-		PRO P63 42 P60 09		
Probe II	09.96-		PRO P63 42 P60 09	560 09	
Ranger 2,2-3,2 TDCi	01.15-		PRO P77 42 P72 09		
Ranger 2,2-3,2 TDCi Start/Stop	01.15-	AGM 592 01			
Taurus, -Wagon 3,0	09.96-		PRO P77 42 P72 09	570 44	
Wind Star 3,0-3,8	01.95-		P95 05		
Gordon					
Gordon 4,6-5,4	01.97-			560 08	
Honda					
Accord V (CC7, CE, CD7, CD9) 2,0-2,3	03.93-02.98		P60 69		
Accord V (CE, CF) 2,0 TDi	03.93-02.98		PRO P77 42 P72 09	570 44	
Accord VI (CG, CK, CH) 1,6-1,8	01.97-12.03		P62 19	562 19	
Accord VI (CG, CK, CH) 2,0	01.97-12.03		P60 68		
Accord VI (CE, CF) 2,0 Turbo Di	01.97-12.03		PRO P77 42 P72 09	570 44	
Accord VI (CE, CF) 3,0	01.97-12.03		P60 69		
Accord VII (CG, CH, CK) 1,6-1,8	10.98-12.02		PRO P63 40 P62 19	562 19	
Accord VII (CG, CH, CK) 2,0-2,4	01.03-		P45 23		
Accord VII (CG, CH, CK) 2,0 Turbo Di, 2,2 i-CTDi	01.03-		PRO P77 40 P74 12	572 12	
Accord VIII, Tourer (CU) 2,0-3,0	02.08-		P60 69		
Accord VIII, Tourer (CU) 2,2 i-CTDi, i-DTEC	02.08-		PRO P77 40 P74 12		
Accord VIII, Tourer (CU) 2,2 i-CTDi, i-DTEC Start/Stop**	02.08-	AGM 570 01 EFB 570 11			
Capa 1,5	01.98-09.02		P45 24		
City Saloon (GM) 1,4-1,5	01.08-		P45 23		
Civic IV (EC, ED, EE) 1,3-1,6	01.87-12.93		P45 23		
Civic V (EG, EH, EJ) 1,5-1,6	01.93-12.96		P45 23		
Civic VI (EJ, EK) 1,4-1,8	01.95-12.01		P45 24		
Civic VI (EU, EP) 1,7 CTDi	02.01-12.05		PRO P63 40 P62 19	562 19	

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Civic VII (EU, EP, EV, ES, EM2) 1,4-2,0 Type-R	01.99-12.06		P45 24		
Civic VII (EU, EP, EV, ES, EM2) 1,7 CTDi	01.99-12.06		PRO P63 40 P62 19	562 19	
Civic VIII (FD, FA) 1,3 Hybrid	01.05-		P40 26		
Civic VIII (FN, FK, FD, FA) 1,4-1,8	09.05-		P45 23		
Civic VIII (FN, FK, FD, FA) 2,2 CTDi	09.05-		PRO P77 40 P74 12		
Civic VIII (FN, FK, FD, FA) Type R	09.05-		P60 68		
Civic VIII 1,4-1,8 Start/Stop**	11.11-	AGM 560 01 EFB 560 11			
Civic VIII 2,2 CTDi, DTDi Start/Stop**	11.11-	AGM 570 01 EFB 570 11			
Civic IX (FB, FG, FK) 1,4	01.12-		P45 23		
Civic IX (FB, FG, FK) 1,8	01.12-		P60 68		
Civic IX (FB, FG, FK) 1,6-2,2 i-DTEC	01.12-		P60 68		
Concerto (HW, HWW) 1,5-1,6	08.89-10.96		PRO P50 40 P50 03	545 59	
CR-V I, II (RD) 2,0	10.95-09.06		P45 23		
CR-V I (RD) 2,2 CTDi	10.95-02.02		P60 68		
CR-V II (RD) 2,2 CTDi	12.01-09.06		PRO P77 40 P74 12	572 12	
CR-V II (RD) 2,2 CTDi Start/Stop**	12.01-09.06	AGM 570 01 EFB 570 11			
CR-V III (RE) 2,0 i-VTEC	10.06-		PRO P50 40 P50 03		
CR-V III (RE) 2,2 i-CTDi	10.06-		PRO P77 40 P74 12		
CR-V III (RE) 2,0 i-VTEC Start/Stop**	10.12-	AGM 560 01 EFB 560 11			
CR-V III (RE) 2,2 i-CTDi Start/Stop**	10.12-	AGM 570 01 EFB 570 11			
CR-V IV (RE) 2,0; 2,2 i-DTEC	01.12-		P60 69		
CRX III (EH, EG) 1,6	03.92-12.98		P45 23		
CR-Z (ZF1) 1,5 Hybrid	01.10-		P40 25		
FR-V (BE) 1,7; 2,0	02.05-		P45 23		
FR-V (BE) 1,8	02.05-		P45 24		
FR-V (BE) 2,2 i-CTDi	07.05-		PRO P77 40 P74 12		
FR-V (BE) 2,2 i-CTDi Start/Stop**	07.05-	AGM 570 01 EFB 570 11			
HR-V (GH) 1,6	03.99-		P45 23		
Insight (ZE) 1,0 Hybrid	04.00-12.06		P40 27		
Insight (ZE) 1,3 Hybrid	04.09-		P40 26		
Integra (DC2, DC4, DC5) 1,8-2,0	11.97-		P45 23		
Jazz/Fit II (GD) 1,2-1,5	03.02-		P40 25		
Jazz/Fit II (GD) 1,2-1,4, 1,3 iDSi	03.02-		P40 25		
Jazz/Fit III (GE) 1,2-1,5	07.08-		P40 25		
Jazz/Fit III (GE) 1,3 Hybrid	04.11-	AGM 560 01 EFB 560 11	P40 25		
Legend II, III, IV (KA7, KA8, KA9, KB) 3,2-3,5**	01.91-		P70 24		
Legend IV (KB) 3,7 VTEC V6	01.06-		P70 29 P80 09		
Logo (GA3) 1,3	03.99-03.02		P45 24		
NSX (NA) 3,0-3,2 Coupe, Cabrio	06.90-12.05		P60 68		
Prelude IV (BB) 2,0	02.92-09.96		P60 68		
Prelude IV (BB) 2,2-2,3	02.92-09.96		P70 29 P80 09		
Prelude V (BB) 2,0	10.96-		P60 68		
Prelude V (BB) 2,2	10.96-		P70 29 P80 09		
S 2000 (AP) 2,0	06.99-		P45 24		
Shuttle (RA1) 2,2-2,3	10.94-05.01		P60 68		

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment

CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Stream (RN) 1,7-2,0	05.01-		P45 23		
Vamos 0,7	09.99-		P45 24		
Hyundai					
Accent (X-3) 1,3-1,5	10.94-01.00			545 77	
Accent (LC) 1,3-1,6	01.00-11.05		PRO P50 40 P50 03	545 59	
Accent (LC) 1,5 CRDi	01.00-11.05		P60 62		
Accent (MC, RB) 1,4-1,6	11.05-		PRO P50 40 P50 03		
Accent (MC, RB) 1,5 CRDi	11.05-		P60 62		
Atos 1,0 GLS (MX)	02.98-		P40 25		
Atos Prime 1,0-1,1 GLS (MX)	01.03-		P40 26		
Coupé (RD, GK) 1,6-2,7	06.96-04.02		P70 29 P80 09		
Elantra (J-3, XD) 1,6-2,0	06.00-07.06		PRO P63 40 P62 19	562 19	
Elantra (J-3, XD) 2,0 CRDi	06.00-07.06		P70 29 P80 09		
Galloper I, II (JK-01) 3,0 V6	08.91-12.03		P70 24		
Galloper I, II (JK-01) 2,5-3,0 T Ci V6	08.91-12.03		P95 05		
Genesis 2,0 CVT; 3,8 V6	02.11-		P60 62		
Getz (TB) 1,1-1,6	09.02-06.09		PRO P50 40 P50 03	545 59	
Getz (TB) 1,5 CRDi	09.02-06.09		P70 29 P80 09		
Grace 2,5-2,6 D, TD	07.93-10.04		P95 04		
Grandeur (TG) 2,7-3,8 V6; 2,2 CRDi	04.05-		P95 05		
Grandeur (HG) 2,7-3,3	01.11-		PRO P77 40 P74 12		
H-1 Bus (KMF) 2,4	10.97-04.04			572 33	
H-1 Bus (KMF) 2,5-2,6 D, TD, CRDi	10.97-04.04		P95 04		
H-1 Box 2,4	03.00-			572 33	
H-1 Box 2,5 TD, CRDi	03.00-		P95 04		
H-1 Flatbed/Chassis 2,5 CRDi	06.00-10.05			572 33	
H-1 Cargo 2,5 CRDi	02.08-			572 33	
H-1 Travel 2,5 CRDi	02.08-		P95 04		
H 100 (P)	07.93-12.04		P60 69		
H 100 2,5 D, TD	07.93-12.04		P95 05		
H 150, H 350			P95 05		
Highway Van 2,0	03.00-		PRO P63 42 P60 09	560 09	
i10 (PA) 1,0 (IND Assembly)***	04.08-		P40 25		
i10 (PA) 1,0 (TR Assembly)	04.08-		PRO P50 40 P50 03		
i10 (PA) 1,1-1,2 (IND Assembly)***	04.08-		P40 25		
i10 (PA) 1,1-1,2 (TR Assembly)	04.08-		PRO P50 40 P50 03		
i10 (PA) 1,1 CRDi	04.08-		P60 68 P60 62		
i10 (PA) 1,0 Start/Stop**	04.08-	AGM 560 01 EFB 560 11			
i20 (PB, PBT) 1,2-1,6	09.08-		PRO P50 40 P50 03		
i20 (PB, PBT) 1,2-1,6 (TR Assembly)	05.10-		P60 62 P50 41		
i20 (PB, PBT) 1,2 Start/Stop**	09.08-		P60 62 P50 41		
i20 (Pb, PBT) 1,1-1,4 CRDi Start/Stop**	09.08-	AGM 560 01 EFB 560 11			
i30, CW (FD, GD) 1,4-2,0	07.07-		PRO P63 40 P62 19		
i30, CW (FD, GD) 1,6-2,0 CRDi	07.07-		PRO P77 40 P74 12		

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
i30, CW (FD, GD) 1,4-2,0 ISG blue Start/Stop**	07.09-	AGM 560 01 EFB 560 11			
i30, CW (FD, GD) 1,6-2,0 CRDi ISG blue Start/Stop**	07.09-	AGM 570 01 EFB 570 11			
i40 (VF) 1,6-2,0	09.11-		P60 62		
i40 (VF) 1,7 CRDi	09.11-		P70 29 P80 09		
i40 (VF) 1,6-2,0 blue Start/Stop**	09.11-	AGM 560 01 EFB 560 11			
i40 (VF) 1,7 CRDi blue Start/Stop**	09.11-	AGM 570 01 EFB 570 11			
Ioniq (AE) 1,6 + 32-45 kW GDI Hybrid	03.16-		P40 25		
Ioniq (AE) Electric 88 kW	03.16-		P40 25		
iX20 (JC) 1,4-1,6 CVT	10.10-		PRO P50 40 P50 03		
iX20 (JC) 1,4-1,6 CRDi	10.10-		P60 62		
iX20 (JC) 1,4-1,6 CVT blue Start/Stop**	10.10-	AGM 560 01 EFB 560 11			
iX20 (JC) 1,4-1,6 CRDi blue Start/Stop**	10.10-	AGM 570 01 EFB 570 11			
iX35 (LM, EL, ELH) 1,6-2,0	04.10-		P60 62		
iX35 (LM, EL, ELH) 1,7-2,0 CRDi (100 kW)	04.10-		PRO P77 40 P74 12		
iX35 (LM, EL, ELH) 2,0 CRDi (135 kW)	04.10-		P95 05		
iX35 (LM, EL, ELH) 1,6-2,4 blue Start/Stop**	04.10-	AGM 560 01 EFB 560 11			
iX35 (LM, EL, ELH) 1,7-2,2 CRDi blue Start/Stop**	04.10-	AGM 570 01 EFB 570 11			
iX55 3,8; 3,0 V6 CRDi	10.09-		P95 04		
Kona 1,0 T-GDI Start/Stop	11.17-	AGM 560 01			
Kona 1,6 T-GDI Start/Stop	11.17-	AGM 560 01			
Kona 1,0 CRDi Start/Stop	06.18-	AGM 560 01			
Kona Electric 99-150 kW	08.18-		P40 25 PRO P50 40		
L 100, -D	93-		P95 04		
Lantra I (J-1) 1,5-1,6	10.90-11.95			545 79	
Lantra I (J-1) 1,8	10.90-11.95		P60 69		
Lantra II (J-2) 1,5-1,6	11.95-09.00			545 77	
Lantra II (J-2) 1,8-2,0	11.95-09.00		P60 68		
Lantra II (J-2) 1,9 D	11.95-09.00		P60 62		
Matrix (FC) 1,6-1,8	09.01-08.10		PRO P63 40 P62 19	562 19	
Matrix (FC) 1,5 CRDi	09.01-08.10		P70 29 P80 09		
Rodius CRDi	05.05-		P70 29 P80 09		
Santa Fe (SM, CM, DM) 2,0-2,4	03.01-		P60 68		
Santa Fe (SM, CM, DM) 2,0-2,2 CRDi	03.01-		P95 04		
Santa Fe (SM, CM, DM) 2,7 V6	03.01-		P70 29 P80 09		
Santamo 2,0 GLX 3x3	99-		P70 24		
S-Coupé (SLC) 1,5	02.90-05.96		P45 24		
Sonata II (Y-3) 1,8-2,0	05.93-06.98			560 08	
Sonata II (Y-3) 3,0 V6 (107kW)	05.93-06.98		P70 24		
Sonata III (EF) 2,0	03.98-10.01		PRO P63 40 P62 19	562 19	
Sonata III (EF) 2,4-2,5	03.98-10.01		PRO P77 40 P74 12	572 12	
Sonata IV (EU4) 2,0-2,7	10.01-		PRO P63 40 P62 19	562 19	
Sonata IV (EU4) 2,0-2,2 CRDi	10.01-		P70 29 P80 09		
Sonata V (NF) 2,0-3,3	01.05-		P70 29 P80 09		

* with base hold-down adapter Art.No. 305002030101

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CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Sonata V (NF) 2,0-2,2 CRDi	01.05-		P95 04		
Sonata VI (YF) 2,0-2,4 (131 kW)	01.09-		P70 29 P80 09		
Sonata VI (YF) 2,4 (128 kW)	01.09-			560 08	
Starex 2200-2300 HSV, SVX	06.97-		P70 24		
Starex (H1) 2,5 TD, CRDi	06.97-		P95 04		
Terracan (HP) 2,5 TD; 2,9 CRDi; 3,5 V6	06.01-12.06		P95 04		
Tiburon 1,6-2,7 16 V	06.98-		P60 69		
Trajet (F0) 2,0	03.00-07.08		P60 62		
Trajet (F0) 2,0 CRDi; 2,7 V6	03.00-07.08		P70 29 P80 09		
Tucson (JM) 2,0	07.03-03.10		P60 62		
Tucson (JM) 2,0 CRDi 120 PS; 2,7 V6	07.03-03.10		P70 29 P80 09		
Tucson (JM) 2,0 CRDi 140 PS	07.03-03.10		P95 04		
Tucson (TL) 2,0 CRDi 120 PS; 1,6-2,7 V6 Start/Stop	03.15-	EFB 570 15			
Tucson (TL) 1,7-2,0 CRDi 140 PS Start/Stop	03.15-	EFB 595 15			
Veloster (FS) 1,6 GDI	08.11-		PRO P63 40 P62 19		
Veloster (FS) 1,6 GDI blue Start/Stop**	08.11-	AGM 560 01 EFB 560 11			
XG 25, 350	12.98-		P70 29 P80 09		
XG 30/300	12.98-		P70 29 P80 09		
Innocenti					
Elba (146) 1,4-1,6	08.91-12.96		PRO P50 40 P50 03	545 59	
Elba (146) 1,7 D	08.91-12.96		PRO P63 40 P62 19	562 19	
Mini 0,55-1,0	05.74-01.95		PRO P50 42 P44 09		
Infiniti					
EX 30 d	01.09-		P80 14		
EX 37	01.09-		P60 68		
FX 35 3,5	01.02-		P60 68		
FX 30 3,0 d	01.08-		P80 14		
FX 30 37 AWD	01.08-		P60 68		
FX 30 50 AWD	01.08-		P70 29 P80 09		
G 25	01.08-		P70 29 P80 09		
G 37 (V36/CV36)	11.06-		P60 68		
M 35-56 (Y51) 3,5-5,6	03.10-		P70 29 P80 09		
M (Y51) 30 d	03.10-		P80 14		
M (Y51) 35 h	03.10-		P70 29 P80 09		
M (Y51) 37	03.10-		P60 68		
Q50 3,5-3,7	01.13-		P60 68		
Q50 2,2 d	01.13-		P70 29 P80 09		
QX50 2,5-3,7 Start/Stop	01.18-	EFB 565 15			
QX50 3,0 AWD Start/Stop**	01.18-	EFB 570 15 EFB 595 15			
QX70 37 AWD	01.13-		P60 68		
Isuzu					
Campo (KB) 2,0	01.83-12.91		P70 24		
Campo (KB) 2,2-2,5 D	01.83-12.91		P95 04		
D-Max (8DH) 2,4-3,5 V6 4x4	05.02-		P95 05		
D-Max (8DH) 2,5 D	05.02-		P95 04		
D-Max (8DH) 2,5 DiTD 4x4, 3,0 D 4x4	05.02-		P70 29 P80 09		
D-Max (8DH) 2,5 D 4x4, 3,0 DiTD 4x4	05.02-		P95 04		
D-Max 2,5 Ddi	01.12-		P70 24		

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

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Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Gemini (JT) 1,5-1,8	02.88-12.90		P60 68		
Gemini (JT) 1,5 D, TD	02.88-12.90		P70 29 P80 09		
Midi Bus, Van, Kasten (93/98000N)	01.88-		P60 69		
Midi Bus, Van, Kasten D, TD (93/98000 N)			P95 04		
Piazza 2,0 Turbo	06.81-12.90		P70 24		
Rodeo 2,0-2,6	90-		P70 29 P80 09		
Rodeo 2,3-2,8 TD	90-		P95 05		
TLD			P70 24		
Trooper (UB) 3,1-3,5 V6	08.91-		P95 05		
Trooper (UB) 3,0 DTI	08.91-		P95 05		
VAN			P60 69		
VAN D			P95 05		
Iveco					
Massif 3,0 HPI, HPT	10.08-		PRO P100 40 P95 33		
Jaguar					
F-Type Convertible 3,0-5,0 Start/Stop	01.12-	AGM 592 01			
F-Pace SVR 2,0-5,0 Start/Stop**	03.16-	AGM 592 01			
F-Pace SVR 2,0-3,0 D Start/Stop	03.16-	AGM 592 01			
i-Pace Electric 2x147 kW	06.18-				
S-Type (CCX) 2,5-4,2; 2,7 D, R	01.99-12.08		PRO P100 40 P95 33	595 33	
X-Type (CF1) 2,0-3,0 V6; 2,0-2,2 D	06.01-		PRO P77 40 P74 12		
X-Type Estate 2,5-3,0 V6	02.04-		PRO P77 40 P74 12		
X-Type Estate 2,0-2,2 D	02.04-		PRO P84 40 P80 14		
XF (J05, CC9) 2,0	09.07-		PRO P77 42 P72 09		
XF (J05, CC9) 2,2 D	09.07-		PRO P77 40 P74 12		
XF (J05, CC9) 2,2 D Start/Stop	09.07-	AGM 580 01			
XF (J05, CC9) 3,0-5,0	09.07-		PRO P100 40 P95 33		
XF (J05, CC9) 3,0-5,0 Start/Stop	09.07-	AGM 592 01			
XF (J05, CC9) 2,7-3,0 D	09.07-		PRO P100 40 P95 33		
XF (J05, CC9) 2,2 D Start/Stop	09.07-	AGM 580 01			
XF Sportbrake (CC9) 2,2 D Start/Stop	01.12-	AGM 580 01			
XF Sportbrake (CC9) 3,0 D	01.12-		P80 14 PRO P77 40 P74 12		
XJ (X35, J12, J24) 2,0	01.09-		PRO P100 40 P95 33		
XJ (X35, J12, J24) 3,0	01.09-		PRO P100 40 P95 33		
XJ (X35, J12, J24) 3,0-5,0 V8 Start/Stop	01.09-	AGM 592 01			
XJ (XJ 40, 81) 6 2,9-3,6	10.86-11.94		PRO P63 40 P62 19	562 19	
XJ (XJ 40, 81) 6 4,0-V12 6,0	10.86-11.94		PRO P77 40 P74 12	572 12	
XJ (X300) 3,2-6,0	11.94-07.97		PRO P77 40 P74 12	572 12	
XJ (NAW, NBW) 8 3,2-4,0; R 4,0	07.97-05.03		PRO P77 40 P74 12	572 12	
XJ (X350, X358) 3,0-4,2; 2,7 D	05.03-		PRO P77 40 P74 12		
XJS Cabrio, Coupe 3,2-6,0	09.75-03.96		PRO P77 40 P74 12	572 12	

CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull BackUp
XJSC Convertible 3,2-6,0	07.85-03.96		PRO P77 40 P74 12	572 12	
XK 8 Convertible (QDV) 4,0-4,2	03.96-		PRO P100 40 P95 33	595 33	
XK 8 Coupe (QEV) 4,0-4,2	03.96-		PRO P100 40 P95 33	595 33	
XK Cabrio, Coupe (J43) 3,5-5,0	03.06-		PRO P100 40 P95 33		
XK Cabrio, Coupe (J43) 3,5-5,0 Start/Stop	03.06-	AGM 592 01			
Jeep					
Cherokee (XJ) 2,5-4,0	01.88-12.01			560 08	
Cherokee (XJ) 2,1-2,5 TD, CRD	01.88-12.01			572 33	
Cherokee (KJ) 3,7	01.02-		P60 69		
Cherokee (KJ) 2,5-2,8 CRD	01.02-			572 33	
Cherokee (KK) 2,8 CRD	01.08-		P95 05		
Commander (XK) 3,8-5,7 V8 HEMI	03.06 -		PRO P84 40 P80 14		
Commander (XK) 3,0 V6 CRD	03.06 -		PRO P100 40 P95 33		
Commander (XK) 3,8-5,7 V8 HEMI; 3,0 V6 CRD Start/Stop**	03.06 -	AGM 570 01 AGM 580 01			
Compass (MK49) 2,4	12.06-			560 08	
Compass (MK49) 2,0-2,2 CRD	12.06-		P70 24		
Grand Cherokee I (ZJ) 4,0-5,2	01.93-12.95			560 08	
Grand Cherokee I (ZG) 2,5 TD+CRD	01.96-12.98			572 33	
Grand Cherokee II (WJ/ WG) 3,7-4,7	01.99-12.04			572 33	
Grand Cherokee II (WJ/ WG) 2,7 CRD	01.99-12.04		PRO P100 40 P95 33	595 33	
Grand Cherokee III (WH) 3,7-6,1	01.05-12.10		PRO P84 40 P80 14		
Grand Cherokee III (WH) 3,0 CRD	01.05-12.10		PRO P100 40 P95 33		
Grand Cherokee IV (WK, WK2) 3,0 CRD	01.10-		PRO P100 40 P95 33		
Grand Cherokee IV (WK, WK2) 3,6-6,4	01.10-		PRO P84 40 P80 14		
Grand Cherokee IV (WK, WK2) 3,0 CRD Start/Stop	01.10-	AGM 592 01			
Grand Cherokee IV (WK, WK2) 3,6-6,4 Start/Stop	01.10-	AGM 570 01			
Patriot (MK74) 2,4	03.07-		P60 69		
Patriot (MK74) 2,0 CRD	03.07-			572 33	
Renegade 1,4-1,6	01.14-	AGM 560 01 EFB 560 11			
Renegade 1,6-2,0 D	01.14-	AGM 570 01 EFB 570 11			
Wrangler I (YJ) 2,5-4,0	01.88-08.96			560 08	
Wrangler II (TJ) 2,4-4,0	08.96-12.07			572 33	
Wrangler III (JK) 3,8	02.06-		P60 69		
Wrangler III (JK) 2,8 CRD	02.06-			572 33	
Wrangler III (JK) 2,8 CRD Start/Stop	02.06-	AGM 592 01			
KIA					
Besta D	01.07-		P95 04		
Carens I (FC) 1,8-2,0	11.00-10.02		PRO P63 40 P62 19	562 19	
Carens I (FC) 2,0 CRDi FL	07.02-12.05		P70 29 P80 09		
Carens II (FJ) 1,6	06.10-		P60 62		
Carens II (FJ) 2,0	06.06-		P70 29 P80 09		
Carens II (FJ) 1,6 CRDi	06.10-		P70 29 P80 09		

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull BackUp
Carens II (FJ) 2,0-2,9 CRDi	06.06-		P95 04		
Carens III (UN) 2,0	09.06-		PRO P63 40 P62 19		
Carens III (UN) 2,0 CRDi	09.06-		P70 29 P80 09		
Carens IV 1,6-2,0, 2,0 GDI	01.13-		PRO P63 40 P62 19		
Carens IV 1,7 CRDi	01.13-		P70 29 P80 09		
Carens IV 1,6-2,0, 2,0 GDI Start/Stop	01.13-	AGM 560 01			
Carnival I, II (UP, GQ) 2,4-3,5 V6	03.98-		P60 68		
Carnival I, II (UP, GQ) 2,9 TD; CRDi	03.98-		P95 04		
Carnival III (VQ) 2,4-3,5 V6	06.06-		PRO P77 40 P74 12		
Carnival III (VQ) 3,8; 2,2-2,9 CRDi	06.06-		P95 04		
cee'd, pro cee'd (ED) 1,4-2,0	01.07-		P60 62		
cee'd, pro cee'd (ED) 1,6-2,0 CRDi	01.07-		P70 29 P80 09		
cee'd, pro cee'd (ED) 1,4-2,0 ISG Start/Stop	05.09-	AGM 560 01			
cee'd, pro cee'd (ED) 1,6-2,0 CRDi ISG Start/Stop	05.09-	AGM 570 01			
Cerato (LD, TD) 1,5-2,0 CRDi	04.04-		P70 29 P80 09		
Cerato (LD, TD) 1,6-2,0	04.04-		PRO P63 40 P62 19	562 19	
Clarus (K9A, GC) 1,8-2,0 16V	07.96-		PRO P63 40 P62 19	562 19	
Joice 2,0	02.00-		P70 24		
K2500, -FL, K2700	03.04-		PRO P77 40 P74 12	572 12	
K2500, -FL, K2700 TCI, LSD	03.04-		P95 04		
Magentis (GD) 2,0; -FL	05.01-		PRO P63 40 P62 19	562 19	
Magentis (GD, MG) 2,0 CRDi	05.01-02.06		P95 04		
Magentis 2,0 CRDi	03.06-		P70 29 P80 09		
Magentis (GD, MG) 2,5-2,7 V6, FL	05.01-		P70 29 P80 09		
Magentis (MG) 2,0	12.06-		P60 62		
Opirus I (GH) 3,5 V6	09.03-09.05		P70 29 P80 09		
Opirus II (GH) 2,7-3,8	09.05-		P95 04		
Optima 2,0-2,4 ISG	03.11-		P60 62 P60 68		
Optima 2,0-2,4 ISG Start/Stop	03.11-	AGM 560 01			
Optima 1,7 CRDi ISG Start/Stop	03.11-	AGM 570 01			
Picanto (BA, TA) 1,0-1,1	03.03-		P40 25		
Picanto (BA, TA) 1,1 CRDi	03.06-02.11		P60 62		
Picanto (TA) 1,1 CRDi	03.11-		P70 29 P80 09		
Picanto (TA) 1,0-1,2 ISG Start/Stop	03.11-	AGM 560 01			
Picanto (TA) 1,1 CRDi ISG Start/Stop	03.11-	AGM 570 01			
Pride (DA), -Wagon 1,1-1,6	01.90-12.00		P60 68		
Pride (DA), -Wagon 1,5 CRDi	01.90-12.00		P70 29 P80 09		
Retona (CE) 2,0	06.99-		P60 68		
Retona (CE) 2,0 TD	06.99-		P95 04		
Rio I (DC) 1,3-1,5	08.00-05.05		P60 68		
Rio II, III (DC, JB) 1,4 - 1,6	06.05-		P60 62		
Rio II, III (DC, JB) 1,5 CRDi	06.05-		P70 29 P80 09		

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment



CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Rio III (UB) 1,1 - 1,6 ISG Start/Stop	03.11-	AGM 560 01			
Rio III 1,1-1,5 (UB) CRDi ISG Start/Stop	03.11-	AGM 570 01			
Roadster	06.04-		PRO P63 40 P62 19	562 19	
Sedona	98-		P60 68		
Sedona D	98-		P95 04		
Shuma I, II (FB) 1,5-1,8	10.97-12.01		PRO P63 40 P62 19	562 19	
Shuma I, II (FB) TD	10.97-12.01		PRO P63 40 P62 19	562 19	
Sorento (JC) 2,4-3,5 V6	01.03-		P70 24		
Sorento (JC) 2,2-2,5 CRDi	06.02-		P95 05		
Sorento (XM) 2,4 CVT (128 kW)	09.09-		P70 24		
Sorento (XM) 2,4 CVT (141 kW), 2,4 GDI	09.09-		P70 29 P80 09		
Sorento (XM) 2,0 CRDi	09.09-		P95 04		
Sorento (XM) 2,2 CRDi	09.09-		P95 05		
Sorento (UM) 2,4-3,3	09.14-		P70 24		
Sorento (UM) 2,0-2,2 CRDi	09.14-		P95 05		
Soul (AM) 1,6 CCVT	02.09-		P60 62		
Soul (AM) 1,6 CRDi	02.09-		P70 29 P80 09		
Soul (AM) 1,6 ISG Start/Stop	02.09-	AGM 560 01			
Soul (AM) 1,6 CRDi ISG Start/Stop	02.09-	AGM 570 01			
Sportage I (K00) 2,0 i 4WD; 16V 4WD	04.94-04.04			560 08	
Sportage I (K00) 2,0 TD 4WD	04.94-04.04		P70 29 P80 09		
Sportage I (K00) 2,2 D 4x4	04.94-04.04		PRO P63 40 P62 19	562 19	
Sportage II (JE) 2,0	09.04-		P60 62		
Sportage II (JE) 2,0 TD, CRDi	09.04-		P95 04		
Sportage II (JE) 2,7 V6	09.04-		P70 29 P80 09		
Sportage II (MMO) 2,0 i 16V; Fresh	09.04-			560 08	
Sportage III (SL) 1,6-2,0 ISG Start/Stop	08.10-	AGM 560 01			
Sportage III (SL) 1,7-2,0 ISG CRDi Start/Stop	08.10-	AGM 570 01			
Stonic 1,0 T-GDI Start/Stop	11.17-	AGM 560 01			
Stonic 1,6 T-GDI Start/Stop	11.17-	AGM 560 01			
Stonic 1,0 CRDi Start/Stop	06.18-	AGM 560 01			
Venga (YN) 1,4-1,6	09.09-		PRO P63 40 P62 19		
Venga (YN) 1,4-1,6	09.09-		P50 41		
Venga (YN) 1,4-1,6 CRDi	09.09-		PRO P77 40 P74 12		
Venga (YN) 1,4-1,6 CVT ISG Start/Stop	09.09-	AGM 560 01			
Venga (YN) 1,4-1,6 CRDi ISG Start/Stop	09.09-	AGM 570 01			
KTM					
X-Bow 2,0 Turbo FSI	09.07-		PRO P63 40 P62 19		
Lada					
110-112 1,5-2,0	01.95-			560 08	
2170, 2172 1,6	12.08-			560 08	
Kalina (1117-1119) 1,6	09.07-			560 08	
Nadeschda (2120) 1,7-1,8	12.97-			560 08	
Niva (2121), Nova (2103/4/5/8/9)	12.76-			560 08	
Priora 1,6	01.09-			560 08	
Samara 1,1-1,5	01.86-			560 08	
Toscana 1,3-1,5	09.83-			560 08	

* with base hold-down adapter Art.No. 305002030101

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**** not yet available in the Banner assortment

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Lamborghini					
Diablo VT, SE, SV, GT, 5,9	01.90-		PRO P77 40 P74 12	572 12	
Gallardo 5,0	01.03-		PRO P100 40 P95 33		
Gallardo 5,0 Start/Stop	01.03-	AGM 592 01			
Murciélago 6,2; LP 640	11.01-		PRO P77 40 P74 12		
Urus 4,0 V8 Start/Stop	03.18-	AGM 592 01			
Lancia					
Dedra (SW835) 1,6-2,0	01.89-07.99		PRO P50 40 P50 03	545 59	
Dedra (SW835) 1,9 TDS	01.89-07.99		PRO P77 40 P74 12	572 12	
Delta I, II, III (831AB0, 836, 844) 1,1-2,0	09.79-		PRO P63 40 P62 19	562 19	
Delta I, II, III (831AB0, 836, 844) 1,9-2,0 D, TD	09.79-		PRO P77 40 P74 12	572 12	
Delta III (844) 1,4 Start/Stop**	09.08-	EFB 560 11 AGM 560 01			
Flavia (JS) 2,4-3,6 V6	06.12-			560 08	
Kappa (838A, -B) 2,0-3,0	07.96-10.01		PRO P63 40 P62 19	562 19	
Kappa (838) 2,4 D, TD, JTD	07.96-10.01		PRO P77 40 P74 12	572 12	
Lybra (839AX, BX) 1,6-2,0	07.99-10.05		PRO P63 40 P62 19	562 19	
Lybra (839AX, BX) 1,9-2,4 JTD	07.99-10.05		PRO P63 40 P62 19	562 19	
Musa (350) 1,4	10.04-		PRO P50 40 P50 03		
Musa (350) 1,3-1,9 JTD	10.04-		PRO P63 40 P62 19		
Musa (350) 1,4; 1,3 JTD Start/Stop**	10.04-	EFB 560 11 AGM 560 01			
Musa (350) 1,9 JTD Start/Stop**	10.04-	EFB 570 11 AGM 570 01			
Phedra (179) 2,0-3,0	09.02-11.10		PRO P63 40 P62 19		
Phedra (179) 2,0-2,2 TD, JTD	09.02-11.10		PRO P77 40 P74 12		
Thema (LX) 3,6 V6, 3,0 JTD Pentastar	11.11-		PRO P100 40 P95 33		
Thema (LX) 3,6 V6 Pentastar Start/Stop	11.11-	AGM 592 01			
Thema (LX) 3,0 JTD V6 Multijet Start/Stop	11.11-	AGM 592 01			
Thesis (841AX) 2,0-3,2	07.02-07.09		PRO P100 40 P95 33		
Thesis (841AX) 2,4 TD, JTD, Multijet	07.02-07.09		PRO P100 40 P95 33		
Voyager V (RT) 3,6-3,8	09.11-		P60 62		
Voyager V (RT) 2,8 CRD	09.11-			572 33	
Y10 (156) 1,0-1,3	03.85-12.95		PRO P50 40 P50 03	545 59	
Y (840A) 1,1-1,4	11.95-09.03		PRO P50 40 P50 03	545 59	
Ypsilon (843) 1,2-1,4	10.03-12.11		PRO P50 40 P50 03		
Ypsilon (843) 1,3 JTD, Multijet	10.03-12.11		PRO P63 40 P62 19		
Ypsilon (846) 1,2-1,4 Start/Stop**	10.10-	EFB 560 11 AGM 560 01			
Ypsilon (846) 1,3 JTD, Multijet Start/Stop**	10.10-	EFB 560 11 AGM 560 01			
Zeta (838 A, -B, 220) 2,0-2,1 TD, JTD	07.96-09.02		PRO P77 40 P74 12	572 12	
Zeta (838, 220) 2,0	07.96-09.02		PRO P63 40 P62 19	562 19	

CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Landwind					
2,0-2,4; 2,8 D	09.05-		P95 05		
Land Rover					
Defender (LD) 90, 110 TDI	09.90-		P70 24		
Defender (LD) 2,5 TD5 4WD	09.90-		P70 24		
Defender (LD) V8	09.90-		P95 05		
Discovery II (LJ, LT) 2,0; 3,9-4,0 V8; 2,5 TD	06.94-09.04		P70 24		
Discovery III (TAA) 2,7 TD, 4,4	10.04-09.10		PRO P100 40 P95 33	595 33	
Discovery IV 2,7-3,0 TD, 4,4, 5,0	10.10-		PRO P100 40 P95 33		
Discovery IV 2,7-3,0 TD, 4,4, 5,0 Start/Stop	10.10-	AGM 592 01			
Freelander I (LN) 1,8-2,5	02.98-		PRO P63 40 P62 19	562 19	
Freelander I (LN) 2,0 Di; TD4	02.98-		PRO P77 40 P74 12	572 12	
Freelander II (FA) 2,2-3,2; 2,2 TD4 4x4	02.06-		PRO P77 40 P74 12		
Freelander II (FA) 2,2-3,2; 2,2 TD4 4x4 Start/Stop	02.06-	AGM 570 01			
Freelander II (FA) 2,0-2,2 TD4 Start/Stop**	02.08-	AGM 570 01 AGM 580 01			
Range Rover I 2,4 D, TD; 3,5-4,3	07.70-07.94		P70 24		
Range Rover II (LP) 3,9-4,6	07.94-03.02		P70 24		
Range Rover III (LM) 3,0 TD, 4-2,4,4	03.02-		PRO P100 40 P95 33		
Range Rover III (LM) 3,6 TD; 5,0 V8	03.02-		PRO P110 40		
Range Rover III (LM) 3,6 TD; 5,0 V8 Start/Stop**	03.02-	AGM 592 01 AGM 605 01			
Range Rover IV (LG) 3,0-4,4 TD, 5,0 V8 Start/Stop	01.12-	AGM 592 01			
Range Rover Evoque (LV) 2,0 4x4	06.11-		PRO P77 42 P72 09		
Range Rover Evoque (LV) 2,2 D4	06.11-		P80 14		
Range Rover Evoque (LV) 2,0; 2,2 D4, TD4, SD4 Start/Stop	06.11-	AGM 580 01			
Range Rover Sport (LS) 2,7 TDVM, 4,2-5,0; 3,6 TD	02.05-		PRO P110 40		
Range Rover Sport (LS) 2,7 TDVM, 4,2-5,0; 3,6 TD Start/Stop**	02.05-	AGM 592 01 AGM 605 01			
Range Rover Sport (LW) 3,0-5,0, 3,0 TD Start/Stop	01.13-	AGM 592 01			
LDV					
Convoy 2,5 Di, TDI	10.96-		P70 24		
Maxus 2,5 Di, TDI	01.05-		P70 24		
Pilot 1,9 D	01.05-		P70 24		
Lexus					
CT (ZWA1) 200h	01.10-		P40 25		
ES (MCV, VZV) 250, 300	10.96-06.08		P70 29 P80 09		
ES (GSV4, ACV4) 3,5	01.06-12.12		PRO P77 40 P74 12		
ES (AVV6, GSV6, ASV6) 250, 350	01.12-		PRO P77 40 P74 12		
ES (AVV6, GSV6, ASV6) 250, 350 Start/Stop	01.12-	AGM 570 01			
GS (JZS147, JZS160, UZS161) 300-450, 4,3 VVTi	03.93-03.05		P70 24		
GS (GRS, UZS, GWS) 300, 430	04.05-11.11		P70 24		
GS (GRS, UZS, GWS) 450 h	04.05-11.11		P70 29 P80 09		
GS (GRS, UZS, GWS) 460	04.05-11.11		P95 05		
GS (GRL, GWL) 250, 350, AWD, 450h	01.12-		P70 29 P80 09		

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
GS (GRL, GWL) 300h	01.12-		P70 24		
IS I (JCE1, GXE1) 200	04.99-07.05		P60 69		
IS I (JCE1, GXE1) 300	04.99-07.05		P60 68		
IS SportCross 200	10.01-10.05		P70 24		
IS SportCross 300	10.01-10.05		P95 04		
IS II (GSE2, ALE2, USE2) 250	10.05-		P70 24		
IS II (GSE2, ALE2, USE2) 200 D	10.05-		P95 04		
IS II (GSE2, ALE2, USE2) 220 D	10.05-		P95 05		
IS II (GSE2, ALE2, USE2) 350, IS F	10.05-		P60 69		
IS III (GSE3, AVE3) 250	01.13-		PRO P77 40 P74 12		
IS III (GSE3, AVE3) 250 Start/Stop	01.13-	AGM 570 01			
IS C (GSE2) 250	01.09-		P70 24		
IS C (GSE2) 300	01.09-		P70 29 P80 09		
LFA (LFA10) 4,8	01.10-		P95 04		
LS (UCF30) 430	10.00-08.06		P70 29 P80 09		
LS (UVF4, USF4) 460, 600h	09.06-		P95 05		
LX (UZJ100) 470	01.98-12.08		P70 24		
LX (URJ201) 570	01.07-		PRO P77 40 P74 12		
RC (C1) 200t, 300h	08.14-		P70 29 P80 09		
RC (C1) F (USC10)	08.14-		P70 24		
RX (MCU15) 300	08.97-05.03		P70 29 P80 09		
RX (MHU, GSU, MCU) 300, 350 AWD, 400h	03.03-12.08		P70 29 P80 09		
RX (MHU, GSU, MCU) 350	03.03-12.08		P70 24		
RX (MHU, GSU, MCU) 400h AWD	03.03-12.08		P45 23		
RX (GYL, GGL, AGL) 270, 350, AWD, 450h, AWD	04.08-		P70 29 P80 09		
SC (UZZ40) 430 (215 kW)	05.01-07.10		PRO P77 40 P74 12		
SC (UZZ40) 430 (210 kW)	05.01-07.10		P70 29 P80 09		
Ligier					
J512			PRO P50 42 P44 09	544 09	
Lotus					
Elan 1,6	09.89-11.95		PRO P63 40 P62 19	562 19	
Elise 111-330 R	08.95-		PRO P50 40 P50 03	545 59	
Esprit S4 (082) 2,0-3,5 V8	10.75-		PRO P63 40 P62 19	562 19	
Evora 3,5	01.09-		P70 29 P80 09		
Exige (SCC) 1,8	09.01-		PRO P50 40 P50 03	545 59	
Exige 3,5 S	01.12-		P70 29 P80 09		
LTi					
TX 2,4-2,5 D, TDi Start/Stop	01.97-	AGM 570 01			
Mahindra					
CJ 330, CJ 530	90-		PRO P100 40 P95 33	595 33	
Maruti					
800	01.87-12.06		P45 24		
Maserati					
420, 430	03.85-12.94			560 08	
3200 GT 3,2	01.98-12.02		PRO P77 40 P74 12		
Biturbo 222-425	06.84-12.94			560 08	
Biturbo Spider 2,0-2,8	07.85-12.94			560 08	

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CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Ghibli II 2,0-2,8	04.92-		P88 20	588 20	
GranCabrio 4,7	01.10-		PRO P77 40 P74 12		
Gransport Coupe 4,3	01.03-		PRO P77 40 P74 12		
GranTurismo 4,2-4,7	01.08-		PRO P77 40 P74 12		
Karif 2,8	04.88-		PRO P77 40 P74 12	572 12	
Quattroporte I, II 2,0-4,9	08.76-		P70 24		
Quattroporte III 4,2-4,7	03.04-		PRO P100 40 P95 33		
Quattroporte IV 3,8	01.12-		PRO P77 40 P74 12		
Shamal 3,2	09.89-11.95		PRO P77 40 P74 12	572 12	
Spyder Coupe, GT Cabriolet 4,2	10.01-		PRO P77 40 P74 12		
Maybach					
57 (240) 5,5-6,0	09.02-12.06		PRO P100 40 P95 33		
57 (240) 5,5-6,0 Start/Stop	09.02-12.06	AGM 592 01			
Mazda					
121 II (DB) 1,1-1,3	11.90-03.96		P45 23		
121 III (JASM, JBSM) 1,25-1,3	03.96-		PRO P50 42 P44 09	544 09	
121 III (JASM, JBSM) 1,8 D	03.96-		PRO P63 42 P60 09	560 09	
2 (B2W, DY) 1,3-1,5	04.03-03.07		PRO P50 42 P44 09	544 09	
2 (B2W, DY) 1,4 CD 68-90	04.03-03.07		PRO P63 42 P60 09	560 09	
2 (DE) 1,3-1,5	04.07-		P60 68 P70 29 P80 09		
2 (DE) 1,4-1,6 CD 68-90	04.07-				
2 (MZR) 1,5 Start/Stop	06.11-	EFB 565 15			
3 (BK12, 14, BL) 1,4-1,6	10.03-		P60 68		
3 (BK12, 14, BL) 2,0-2,3; MPS	10.03-		P60 68		
3 (BK12, 14, BL) 1,6 CD 90-110	10.03-		P70 29 P80 09		
3 (BK12, 14, BL) 2,0 CD 143-185	10.03-		P95 04		
3 (BL) 1,6-2,0 i-stop, i-Eloop Start/Stop	09.09-	EFB 555 15 EFB 538 15			
3 (BL) 1,6-2,2 CD i-stop, i-Eloop Start/Stop	09.09-	EFB 595 15			
323 III (BF)	08.85-11.91		P60 68		
323 IV C, F, S 1,7 D (BG)	06.89-		P95 04		
323 IV C, F, S 1,3-2,0 (BG)	06.89-		P60 68		
323 V (BA) C	08.93-09.98		P60 68		
323 V F/S 1,3-1,8 (BA)	07.93-09.98		P60 68		
323 V F/S 2,0 (BA)	07.93-09.98		P60 68		
323 V F/S 2,0 D (BA)	07.93-09.98		P95 04		
323 V P	10.96-09.98		P60 68		
323 V P 2,0 D	10.96-09.98		P95 04		
323 VI F/P/S 1,3-2,0 (BJ)	09.98-		P60 68		
323 VI F/P/S 2,0 TD, DITD (BJ)	09.98-		P95 04		
5 (CR19, CW) 1,8-2,0	07.05-		P60 68		
5 (CR19, CW) 1,6 CD, 2,3	07.05-		P70 29 P80 09		
5 (CR19, CW) 2,0-2,2 CD 110-143	07.05-		P95 04		
5 (CW) 1,8-2,3 i-stop, i-Eloop Start/Stop	09.10-	EFB 555 15 EFB 538 15			
5 (CW) 2,0-2,2 CD 110-143 i-stop, i-Eloop Start/Stop	09.10-	EFB 595 15			
6 (GG, GY, GH) 1,6-2,3; MPS	06.02-		P60 68		
6 (GG, GY, GH) 2,5; MPS	06.02-		P70 29 P80 09		

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
6 (GG, GY, GH) 2,0-2,2 CD 125-185	09.02-		P95 04		
6 (GJ, GH) 2,0-2,5 i-Eloop Start/Stop	08.12-	EFB 555 15 EFB 538 15			
6 (GJ, GH) 2,0-2,2 CD 150-175 i-Eloop Start/Stop	08.12-	EFB 595 15			
626 IV 1,8-2,0 (GE)	08.91-03.97		P60 68		
626 IV 2,0 D Compr. (GE)	08.91-03.97		P95 04		
626 IV 2,0 DITD (GF/GW)	05.97-		P95 04		
626 V 1,8-2,0 (GF/GW)	05.97-		P60 68		
B-Serie 2,0-2,2 (UF)	01.85-06.99		P60 69		
B-Serie 2,6; 2,2-2,5 D (UF)	01.85-06.99		P95 05		
B-Serie 2,2-2,6; 2,5 D, TD (UN)	02.99-07.06		P95 05		
BT-50 (CD) 2,5 CD; 3,0 CD Vi	12.06-		P95 05		
CX-3 2,0 i-stop, i-Eloop Start/Stop	06.15-	EFB 565 15			
CX-3 1,5 CD 105 i-stop, i-Eloop Start/Stop	06.15-	EFB 595 15			
CX-5 (KE, GH) 2,0	03.12-		P60 68		
CX-5 (KE, GH) 2,2 CD 150-175	03.12-		P95 04		
CX-5 (KE, GH) 2,0 i-stop, i-Eloop Start/Stop	03.12-	EFB 555 15			
CX-5 (KE, GH) 2,2 CD 150-175 i-stop, i-Eloop Start/Stop	03.12-	EFB 595 15			
CX-7 (ER) 2,3	08.07-		P60 68		
CX-7 (ER) 2,2 CD 173	08.08-		P95 04		
CX-7 (ER) 2,3 i-stop, i-Eloop Start/Stop	08.07-	EFB 555 15 EFB 538 15			
CX-7 (ER) 2,2 CD 173 i-stop, i-Eloop Start/Stop	08.08-	EFB 595 15			
CX-9 (TB) 3,7 V6	03.07-		P70 29 P80 09		
Demio (A6, A7, DW) 1,2-1,6	08.98-12.02		P45 23		
E-Serie E2000	01.99-12.06		P60 68		
MPV I, II (LV, LW) 2,0-3,6 i, V6	03.95-02.06		P60 68		
MPV I, II (LV, LW) 2,0 DI; 2,5 TD	03.95-02.06		P95 04		
MX-3 (EC)	07.91-		P60 68		
MX-5 II (NB) 1,6	03.98-02.05		P45 23		
MX-5 II (NB) 1,8	03.98-02.05		PRO P50 42* P44 09*	544 09*	
MX-5 III, IV (NC, ND) 1,8-2,0	03.05-		P45 23		
MX-6 (GE6)	07.91-02.97		P60 68		
Premacy (CP) 1,8-2,3	07.99-03.05		P60 68		
Premacy (CP) 2,0 TD	07.99-03.05		P95 04		
RX-7 III (FD)	07.92-08.02		P70 29 P80 09		
RX-8 (SE17) 2,6	10.03-06.12		P70 29 P80 09		
Tribute (EP) 2,0-2,3	03.00-05.08		PRO P63 42 P60 09	560 09	
Tribute (EP) 3,0	03.00-05.08		PRO P77 42 P72 09	570 44	
Xedos 9 (TA) 2,0-2,5	07.93-09.02		P60 68		
Mercedes-Benz					
A-Class (W168, 169) 140-200	07.97-06.12		PRO P63 40 P62 19	562 19	
A-Class (W168, 169) 160-200 CDI	07.97-06.12		PRO P77 40 P74 12	572 12	
A-Class (W169) 140-200 Start/Stop**	09.10-06.12	AGM 560 01 AGM 570 01			
A-Class (W169) 160-200 CDI Start/Stop	09.10-06.12	AGM 570 01			
A-Class (W176) 180-250, 180-220 CDI, E-CELL Start/Stop	06.12-	AGM 570 01			
A-Class (W176) A 45 AMG 4-maticL Start/Stop	06.12-	AGM 580 01			
B-Class (W245) 150-200	06.05-11.11		PRO P63 40 P62 19		

* with base hold-down adapter Art.No. 305002030101

** Please check the original battery, as differing battery sizes and technologies may be installed. The battery choice depends primarily upon the electrical extras. (VRLA=AGM, AFB/ECM=EFB)

*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment

CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull BackUp
B-Class (W245) 180-200 CDI	06.05-11.11		PRO P77 40 P74 12		
B-Class (W245) 150-200 Start/Stop	06.10-11.11	AGM 570 01			
B-Class (W245) 180-200 CDI Start/Stop	06.10-11.11	AGM 570 01			
B-Class (W246) 180-200 Start/Stop**	11.11-	AGM 570 01			
B-Class (W246) 180-200 CDI Start/Stop	11.11-	AGM 580 01			
B-Class (W246) 250 e Electric Drive 132 kW	11.11-	AGM 560 01			
C-Class (W202) 180-240	03.93-05.00		PRO P77 40 P74 12	572 12	
C-Class (W202) 280	03.93-05.00		PRO P77 40 P74 12	572 12	
C-Class (W202) 200-250 D, CDI, Turbo-D, 36-43 AMG	03.93-05.00		PRO P100 40 P95 33	595 33	
C-Class Kombi (S202) 180-240	06.96-03.01		PRO P77 40 P74 12	572 12	
C-Class Kombi (S202) 280	06.96-03.01		PRO P77 40 P74 12	572 12	
C-Class Kombi (S202) 200-250 D, CDI, Turbo-D, 43 AMG	06.96-03.01		PRO P100 40 P95 33	595 33	
C-Class (W203) 180-240	05.00-02.07		PRO P77 40 P74 12		
C-Class (W203) 280-350	05.00-02.07		PRO P77 40 P74 12		
C-Class (W203) 200-320 CDI, C 32-55 AMG	05.00-02.07		PRO P100 40 P95 33		
C-Class T-Model (S203) 180-240	03.01-08.07		PRO P77 40 P74 12		
C-Class T-Model (S203) 280-350	03.01-08.07		PRO P77 40 P74 12		
C-Class T-Model (S203) 200-320 CDI, C 32-55 AMG, 30 CDI AMG	03.01-08.07		PRO P100 40 P95 33		
C-Class Coupe (CL203) 160-230	03.01-08.07		PRO P77 40 P74 12		
C-Class Coupe (CL203) 320	03.01-08.07		PRO P77 40 P74 12		
C-Class Coupe (CL203) 200-220 CDI, C 32 AMG, 30 CDI AMG	03.01-08.07		PRO P100 40 P95 33		
C-Class Coupe (CL203) 160-200 Start/Stop	05.08-	AGM 570 01			514 00/ AUX 14
C-Class Coupe (CL203) 230-350, 200-220 CDI Start/Stop	05.08-	AGM 592 01			514 00/ AUX 14
C-Class Coupe (C204) 180-350, 220-250 CDI, C 63 AMG Start/Stop	06.11-	AGM 580 01			514 00/ AUX 14
C-Class Coupe (C204) 200 CGI Start/Stop	06.11-	AGM 570 01			514 00/ AUX 14
C-Class (W204) 180	01.07-		PRO P77 40 P74 12		
C-Class (W204) 200-350	01.07-		PRO P100 40 P95 33		
C-Class (W204) 200-350 CDI	01.07-		PRO P100 40 P95 33		
C-Class (W204) 180 Start/Stop	01.07-	AGM 570 01			514 00/ AUX 14
C-Class (W204) 200-350 Start/Stop**	01.07-	AGM 580 01 AGM 592 01			514 00/ AUX 14
C-Class (W204) 200-350 CDI Start/Stop**	01.07-	AGM 580 01 AGM 592 01			514 00/ AUX 14
C-Class (W205) 200-220	01.13-		PRO P77 40 P74 12		
C-Class (W205) 200-220 Start/Stop	01.13-	AGM 570 01			

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull BackUp
C-Class T-Model (S204) 180-240	08.07-		PRO P77 40 P74 12		
C-Class T-Model (S204) 280-350	08.07-		PRO P100 40 P95 33		
C-Class T-Model (S204) 200-320 CDI, C 32-55 AMG, 30 CDI AMG	08.07-		PRO P100 40 P95 33		
C-Class T-Model (S204) 180-240 Start/Stop	08.07-	AGM 570 01			514 00/ AUX 14
C-Class T-Model (S204) 280-350 Start/Stop**	08.07-	AGM 570 01 AGM 580 01			514 00/ AUX 14
C-Class T-Model (S204) 200-320 CDI, C 32-55 AMG, 30 CDI AMG Start/Stop**	08.07-	AGM 580 01 AGM 592 01			514 00/ AUX 14
Citan (W415) 111 CDI	06.12-		PRO P63 40 P62 19		
Citan (W415) 112 Start/Stop	06.12-	AGM 560 01			
Citan (W415) 108-111 CDI Start/Stop	06.12-	AGM 570 01			
CLA-Class 160-250 Start/Stop	09.12-	AGM 560 01			
CLA-Class 220 CDI Start/Stop	09.12-	AGM 570 01			
CLA-Class (C117) 200 CDI	01.13-		PRO P77 40 P74 12		
CLA-Class (C117) 180-250, 200-220 CDI Start/Stop	01.13-	AGM 570 01			
CLA-Class (C117) 220 CDI Start/Stop	01.13-	AGM 580 01			
CLC-Class (CL 203) 180-200 Kompressor	05.08-		PRO P77 40 P74 12		
CLC-Class (CL 203) 230-350	05.08-		PRO P100 40 P95 33		
CLC-Class (CL 203) 200-220 CDI	05.08-		PRO P100 40 P95 33		
CLC-Class (CL 203) 160 Start/Stop	01.10-	AGM 570 01			514 00/ AUX 14
CLC-Class (CL 203) 230-350 Start/Stop	01.10-	AGM 592 0			
CLC-Class (CL 203) 200-220 CDI Start/Stop	01.10-	AGM 592 01			
CLK (C208) 200-230	06.97-06.02		PRO P77 40 P74 12	572 12	
CLK (C208) 320, 430, 55 AMG	06.97-06.02		PRO P100 40 P95 33	595 33	
CLK Cabrio (A208) 200-230	03.98-03.02		PRO P77 40 P74 12	572 12	
CLK Cabrio (A208) 320, 430, 55 AMG	03.98-03.02		PRO P100 40 P95 33	595 33	
CLK (C209) 200-240	06.02-		PRO P63 40 P62 19		
CLK (C209) 280, 320, 350, 500	06.02-		PRO P77 40 P74 12		
CLK (C209) 220 CDI, 270 CDI, 320 CDI, 55-63 AMG	06.02-		PRO P100 40 P95 33		
CLK Cabrio (A209) 200-240	02.03-		PRO P63 40 P62 19		
CLK Cabrio (A209) 280-500	02.03-		PRO P77 40 P74 12		
CLK Cabrio (A209) 320 CDI, 55-63 AMG	02.03-		PRO P100 40 P95 33		
CLS (C218) 350, 250 CDI Start/Stop	01.11-	AGM 580 01			514 00/ AUX 14
CLS (C218) 500, 350 CDI Start/Stop	01.11-	AGM 592 01			514 00/ AUX 14
CLS (C219) 280-500, 55-63 AMG, 320-350 CDI Start/Stop	10.04-12.10	AGM 592 01			514 00/ AUX 14
CLS Shooting Brake (X218) 350-500, 350 CDI, 63 AMG Start/Stop	01.12-	AGM 592 01			514 00/ AUX 14

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment



CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
E-Class (W123, 124) 200-280	06.93-06.95		PRO P63 40 P62 19	562 19	
E-Class (W123, 124) 250 D, TD; 36 AMG, 300 D, TD; 60 AMG	06.93-06.95		PRO P100 40 P95 33	595 33	
E-Class (W123, 124) 280 long, 300, 320-500, 300 r-matic, 200 D	06.93-06.95		PRO P77 40 P74 12	572 12	
E-Class (W210) 200-240	06.95-03.02		PRO P77 40 P74 12	572 12	
E-Class (W210) 280-430, 50-55 AMG	06.95-03.02		PRO P100 40 P95 33	595 33	
E-Class (W210) 200-320 CDI	06.95-03.02		PRO P100 40 P95 33	595 33	
E-Class (W211) 280	11.05-		PRO P100 40 P95 33		
E-Class (W211) 200-500, 55-63 AMG Start/Stop	11.05-	AGM 592 01			514 00/ AUX 14
E-Class (W211) 200-420 CDI Start/Stop	11.05-	AGM 592 01			514 00/ AUX 14
E-Class (W212) 200-300, 200-250 CDI Start/Stop	01.09-	AGM 580 01			514 00/ AUX 14
E-Class (W212) 350-500, 350-500 CDI, 63 AMG Start/Stop	01.09-	AGM 592 01			514 00/ AUX 14
E-Class Cabrio (A207) 200-550, 220-350 CDI Start/Stop	01.10-	AGM 580 01			514 00/ AUX 14
E-Class Cabrio (A207) 350-500, 350 CDI Start/Stop	01.10-	AGM 592 01			514 00/ AUX 14
E-Class Coupe (C207) 200-550, 220-350 CDI Start/Stop**	01.09-	AGM 580 01 AGM 592 01			514 00/ AUX 14
E-Class Coupe (C207) 350-500, 350 CDI Start/Stop	01.09-	AGM 592 01			514 00/ AUX 14
E-Class T-Model (S123) 200-280	06.93-06.96		PRO P63 40 P62 19	562 19	
E-Class T-Model (S123) 300 3-matic, 36 AMG, 250-300 D, 300 TD	06.93-06.96		PRO P100 40 P95 33	595 33	
E-Class T-Model (S123) 320	06.93-06.96		PRO P77 40 P74 12	572 12	
E-Class Kombi (S210) 200-240	06.96-03.03		PRO P77 40 P74 12	572 12	
E-Class Kombi (S210) 220-430, 55 AMG	06.96-03.03		PRO P100 40 P95 33	595 33	
E-Class T-Model (S211) 200 Start/Stop	03.03-07.09	AGM 570 01			514 00/ AUX 14
E-Class T-Model (S211) 230-500, 220-320 CDI, 55-63 AMG Start/Stop	03.03-07.09	AGM 592 01			514 00/ AUX 14
E-Class T-Model (S212) 200-500, 200-350 CDI, 63 AMG Start/Stop**	08.09-	AGM 580 01 AGM 592 01			514 00/ AUX 14
E-Class T-Model (S212) 350-500, 350 CDI, 63 AMG Start/Stop	08.09-	AGM 592 01			
G-Class (W361, W461) 230-G 290 TD	02.90-		PRO P100 40 P95 33	595 33	35Ah
G-Class (W361, W461) 250 GD	02.90-		PRO P100 40 P95 33	595 33	35Ah
G-Class (W361, W461) 290 GD/G 290 D	02.90-		PRO P100 40 P95 33	595 33	35Ah
G-Class (W363, W463) 230 GE, G 320	09.93-		PRO P100 40 P95 33	595 33	35Ah
G-Class (W363, W463) 300 GE, 250-300 GD, G 320	09.93-		PRO P100 40 P95 33	595 33	35Ah
G-Class (W363, W463) G 300 TD, 350 G TD, G 300 CDI	09.93-		PRO P100 40 P95 33	595 33	35Ah

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
G-Class (W463) 230 GE, G 320, G 300 TD, 350 G TD, G 300 CDI, G 300 TD, 350 G TD, G 300 CDI	09.93-		P95 04		35Ah
G-Class (W363, W463) 400 CDI	09.89-		PRO P100 40 P95 33	595 33	35Ah
G-Class (W363, W463) G 36 AMG, G 500-E	09.93-		PRO P100 40 P95 33	595 33	35Ah
G-Class (W463) G 36 AMG, G 500-E	09.93-				
GL-Class (X164) 450-500, 320-450 CDI	09.06-		PRO P100 40 P95 33		35Ah
GL-Class (X164) 450-500, 320-450 CDI BlueTEC Start/Stop	09.06-	AGM 592 01			514 00/ AUX 14
GL-Class (X166) 400	01.12-		PRO P100 40 P95 33		
GL-Class (X166) 350-500, 63 AMG Start/Stop	01.12-	AGM 592 01			514 00/ AUX 14
GLA-Class (X156) 200-250, 200-250 CDI	01.13-		PRO P77 40 P74 12		
GLA-Class (X166) 200-250, 200-250 CDI Start/Stop	01.13-	AGM 570 01			514 00/ AUX 14
GLE (W166) 350-500, 63 AMG Start/Stop	03.18-	AGM 592 01			
GLE (W166) 250-450 CDI Start/Stop	03.18-	AGM 592 01			
GLK-Class (X204) 200-250	06.08-		PRO P77 40 P74 12		
GLK-Class (X204) 280-350, 200-350 CDI	06.08-		PRO P100 40 P95 33		35Ah
GLK-Class (X204) 200-250 Start/Stop	06.08-	AGM 570 01			
GLK-Class (X204) 280-350, 200-350 CDI BlueTEC Start/Stop**	06.08-	AGM 592 01 AGM 580 01			514 00/ AUX 14
M-Class (W163) ML 350-500, 63 AMG	01.97-06.05		PRO P100 40 P95 33	595 33	
M-Class (W163) ML 270-420 CDI	01.97-06.05		PRO P100 40 P95 33	595 33	
M-Class (W164, W166) ML 350-500, 63 AMG Start/Stop	07.05-	AGM 592 01			
M-Class (W164, W166) ML 250-450 CDI Start/Stop	07.05-	AGM 592 01			
R-Class (W251, V251) 300-500, R 63 AMG Start/Stop	01.06-	AGM 592 01			
R-Class (W251, V251) 280-350 CDI Start/Stop	01.06-	AGM 592 01			
S-Class (W130) 280, 300-320SE/L, SE 320, 300 SE/L, S 500, S 600, 600 SE/L, S 300 TD, S 350 TD	02.91-10.98		PRO P100 40 P95 33	595 33	35Ah
S-Class (W220) 280, 320, 430, 500, 600, 55-63 AMG	10.98-08.05		PRO P100 40 P95 33		35Ah
S-Class (W220) 320 CDI, 400 CDI	10.98-08.05		PRO P100 40 P95 33		35Ah
S-Class (W220) 350, -4matic, 430 4matic, 500 4matic, 600, 55-65 AMG Start/Stop	10.98-08.05	AGM 592 01			514 00/ AUX 14
S-Class (W220) 320 CDI, 400 CDI Start/Stop	10.98-08.05	AGM 592 01			514 00/ AUX 14
S-Class (W221) 350-600, 63-65 AMG Start/Stop	10.05-	AGM 592 01			514 00/ AUX 14
S-Class (W221) 320 CDI, 420 CDI Start/Stop	10.05-	AGM 592 01			514 00/ AUX 14
S-Class (W222) 350-500, Hybrid Start/Stop	01.13-	AGM 592 01			514 00/ AUX 14
S-Class Coupe (C130, 140) SEC/CL 320-600	09.92-02.99		PRO P100 40 P95 33	595 33	35Ah

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment

CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
S-Class Coupe (C215) CL 500-600	03.99-03.06		PRO P100 40 P95 33		35Ah
S-Class Coupe (C216) CL 500-600	05.06-		PRO P100 40 P95 33		35Ah
S-Class Coupe (C216) CL 500-600 Start/Stop	05.06-	AGM 592 01			35Ah
SL (R129) 280-600, 55 AMG	03.89-12.01		PRO P100 40 P95 33	595 33	35Ah
SL (R230) 280-600, 55-65 AMG Start/Stop	10.01-01.12	AGM 570 01			514 00/ AUX 14
SL (R231) 350-500, 65 AMG Start/Stop	01.12-	AGM 592 01			514 00/ AUX 14
SLK (R170) 200-320, -K, 32 AMG	04.96-04.04		PRO P77 40 P74 12	572 12	35Ah
SLK (R171) 200-350, 55 AMG	03.04-02.11		PRO P77 40 P74 12		35Ah
SLK (R171) 200-350, 55 AMG Start/Stop	03.04-02.11	AGM 570 01			514 00/ AUX 14
SLK (R172) 200-350, 55 AMG Start/Stop	02.11-	AGM 580 01			514 00/ AUX 14
SLR (R199) 5,4 Start/Stop	04.04-	AGM 570 01			514 00/ AUX 14
SLR (R199) 5,4 722 Edition, Roadster Start/Stop	04.04-	AGM 592 01			514 00/ AUX 14
SLS (C197, A197) 6,2, AMG Start/Stop	03.11-	AGM 592 01			514 00/ AUX 14
Sprinter (901, 902, 903, 903, 904, 906) 208-616 D, CDI	01.95-		PRO P100 40 P95 33	595 33	
Sprinter (901, 902, 903, 903, 904, 906) 213-424	01.95-		PRO P100 40 P95 33	595 33	
Sprinter (904, 906) 213-424; 208-616 D, CDI Start/Stop	01.10-	AGM 592 01			514 00/ AUX 14
Sprinter Dumptruck (905) 616 CDI	01.01-		PRO P100 40 P95 33		
T1, T2 (601, 602) 207- 815 D	05.77-02.96		PRO P100 40 P95 33	595 33	
T1, T2 (601, 602) 208, 210, 510	05.77-02.96		PRO P100 40 P95 33	595 33	
T2 Vario 512 - 818 D	02.96-		PRO P100 40 P95 33	595 33	
Vaneo (313, 414) 1,6-1,9	02.02-07.05		PRO P63 40 P62 19		
Vaneo (313, 414) 1,7 CDI	02.02-07.05		PRO P77 40 P74 12		
V-Class (638/2) 200-280	02.96-07.03		PRO P100 40 P95 33	595 33	
V-Class (638/2) 200-220 CDI, 230 TD	02.96-07.03		PRO P100 40 P95 33	595 33	
V-Class (638/2) 200-220 CDI, 230 TD Start/Stop	02.96-07.03	AGM 592 01			
Viano (W639) 3,0-3,7	09.03-		PRO P77 40 P74 12		
Viano (W639) 2,0-3,0 CDI (110 kW)	09.03-		PRO P100 40 P95 33		
Viano (W639) 3,0-3,7 Start/Stop	09.03-	AGM 570 01			
Viano (W639) 2,0-3,0 CDI (110 kW) Start/Stop	09.03-	AGM 592 01			
Vito (638, 639) 113-126	02.96-		PRO P77 40 P74 12	572 12	
Vito (638, 639) 108-120 CDI	02.96-		PRO P100 40 P95 33	595 33	
Vito (638, 639) 113-126 Start/Stop	02.96-	AGM 570 01			
Vito (638, 639) 108-120 CDI Start/Stop	02.96-	AGM 592 01			
X-Class (470) 220-350 d 4-matic Start/Stop	09.17-	AGM 592 01			

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
MG					
MGF (RD) 1,6-1,8	03.95-03.02		PRO P63 42 P60 09	560 09	
MGR V8 3,9	09.92-12.95		PRO P63 42 P60 09	560 09	
MG TF 115-160	03.02-		PRO P63 40 P62 19	562 19	
MG ZR 1-5-160 TD	06.01-04.05		PRO P63 42 P60 09	560 09	
MG ZS 120-180	07.01-10.05		PRO P50 40 P50 03	545 59	
MG ZS 2,0 TD	07.01-10.05		PRO P77 42 P72 09	570 44	
MG ZT, ZT-T 160-260	06.01-07.05		PRO P63 40 P62 19	562 19	
MG ZT, ZT-T 2,0 CDTi	06.01-07.05		PRO P77 40 P74 12	572 12	
MG X-Power 4,6-5,0	01.03-04.08		PRO P77 42 P72 09	570 44	
MG 6 1,8	01.10-		PRO P63 40 P62 19		
Mini					
Mini (R50-R53) One, Cabriolet, Cooper, Convertible, S	03.01-12.06		PRO P63 40 P62 19	562 19	
Mini (R50-R53) One, Cabriolet, Cooper D	03.01-12.06		PRO P77 40 P74 12	570 44	
Mini (R55-R61) One, Clubman, Countryman, Paceman, Cooper, S 1,6; 1,6 D Start/Stop**	09.06-	AGM 570 01 AGM 580 01			
Mini (F56) Cooper	01.13-		PRO P77 40 P74 12		
Mini (F56) Cooper Start/Stop**	01.13-	AGM 570 01 AGM 580 01			
Mitsubishi					
ASX (ZC, GA_W) 1,6-2,0	06.10-		P70 29 P80 09		
ASX (ZC, GA_W) 1,8 DI-D	09.10-		P95 04		
ASX (ZC, GA_W) 1,6-2,0 Cleartec AS&G MIVEC Start/Stop**	06.10-	EFB 565 15 EFB 570 15			
ASX (ZC, GA_W) 1,8 DI-D Cleartec AS&G Start/Stop	09.10-	EFB 595 15			
Attrage 1,2	03.14-		P60 68		
Carisma DX (DA0A) 1,6-1,8	07.95-06.06		PRO P63 40 P62 19	562 19	
Carisma DX (DA0A) 1,8 GDI; 1,9 GDI, DI-D, TD	07.95-06.06		PRO P77 40 P74 12	572 12	
Carisma VI, VII DX (DA0A) 2,0 16V GT EVO	07.95-06.06		PRO P77 40 P74 12	572 12	
Colt IV (CA_A) 1,3-1,8	03.92-08.95		P45 24		
Colt IV (CA_A) 1,3-1,8	03.92-08.95		P60 69		
Colt V (CJ_A) 1300-1600, 1,8	09.95-09.03		P60 69		
Colt VI, VII (ZM) 1,1-1,3 MPI	06.04-		PRO P50 40 P50 03	545 59	
Colt VI, VII (ZM) 1,5 MPI	06.04-		PRO P63 40 P62 19	562 19	
Colt VI, VII (ZM) 1,5 DI-D	01.03-10.08		PRO P77 40 P74 12	572 12	
Colt CZC (RG) Cabriolet VI 1,5	05.06-		PRO P63 40 P62 19		
Colt 1,1-1,3 MPI Cleartec AS&G Start/Stop**	03.09-	EFB 560 11 AGM 560 01	PRO P63 40 P62 19		
Eclipse I, II (D20A, D30A, D5) 2,0-3,0 V6	04.91-10.12		P70 24		
Eclipse 1,5 CVT Cleartec AS&G Start/Stop	06.18-	EFB 565 15			
Eclipse 2,2 DI-D Cleartec AS&G Start/Stop	09.18-	EFB 595 15			

* with base hold-down adapter Art.No. 305002030101

** Please check the original battery, as differing battery sizes and technologies may be installed. The battery choice depends primarily upon the electrical extras. (VRLA=AGM, AFB/ECM=EFB)

*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment



CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull BackUp
Galant V, VI (E5A, E7A, E8A, EA) 1,8-2,4	11.92-10.03		P70 24		
Galant V, VI (E5A, E7A, E8A, EA) 2,0 GLSi, V6, TDI	11.92-10.03		P95 05		
Galant VII (DJ, ED, EF) 2,0-3,8 GDi	10.03-		P60 69		
Galant Saloon (ED, EF) 2,0-3,8	10.03-		P70 24		
Gallopier (JK-01) 2,5 TD; 3,0 V6	02.99-12.06		P70 24		
Grandis (XP) 2,4-3,0	11.97-05.03		P60 68		
Grandis (XP, NA_W) 2,4 MPI	03.03-		P70 29 P80 09		
Grandis (XP, NA_W) 2,0 DI-D i-MIEV (TQ) 47 kW (Mitsubishi Innovative Electric Vehicle)***	03.03-		P95 04		
L 200 P (KT) 2,4-3,5	11.86-10.05		P70 24		
L 200 (KT) 2,5-3,2 DI-D	11.86-10.05		P95 04		
L 200 (KB, KA, CR) 2,4-3,5	11.05-		P70 29 P80 09		
L 200 (KB, KA, CR) 2,5-3,2 DI-D	11.05-		P95 04		
L 200 (KB, KA, CR) 2,5-3,2 DI-D	11.05-		P70 29 P80 09		
L 200 2,4-2,5 D	01.16-	EFB 580 11 AGM 580 01			
L 300 (L03, P0, P1, P2) 1,6-2,0	05.80-		P60 69		
L 300 (L03, P0, P1, P2) 2,5 D, TD	05.80-		P95 05		
L 400 (PAOV) 2,0	04.94-		P60 69		
L 400 (PAOV) 2500 TD	04.94-		P95 05		
Lancer III, IV, V, VI, VII (C1V, C3V, C6A, C7A, CB/DA, CBW, CDW, CK/PA) 1,5-2,4 GDi, MPI	09.85-		P70 29 P80 09		
Lancer III, IV, V, VI, VII (C1V, C3V, C6A, C7A, CB/DA, CBW, CDW, CK/PA) 1,8-2,0 GLX D, DI-D	09.85-		P95 04		
Lancer Saloon/Sportback (CY/Z, CX/A) 1,5-2,0	01.07-		PRO P63 40 P62 19		
Lancer Saloon/Sportback (CY/Z, CX/A) 1,5-1,8 Bifuel	01.07-			560 08	
Lancer Saloon/Sportback (CY/Z, CX/A) 1,8-2,0 DI-D	01.07-		PRO P77 40 P74 12		
Lancer EVO X 2,0 MPI Start/Stop	09.08-	AGM 570 01			
Lancer 1,8-2,0 DI-D Cleartec AS&G Start/Stop	01.12-	EFB 595 15			
Mirage 1,0-1,2 MIVEC Cleartec AS&G Start/Stop	05.12-	EFB 565 15			
Outlander (CU0W, GS45, RE) 2,0-2,4 MPI	05.03-		P70 29 P80 09		
Outlander (CW0W, GS45, RE) 2,0-2,2 DI-D	11.06-		P95 04		
Outlander (GF0W, MY13, RE) 2,0-3,0 MIVEC Cleartec AS&G Start/Stop	03.12-	EFB 565 15			
Outlander (GF0W, MY13, RE) 2,0-2,2 DI-D Cleartec AS&G Start/Stop	03.12-	EFB 595 15			
Outlander 2,0 PHEV (Plug-in-Hybrid)	08.13-	EFB 555 15			
Pajero II, III (V2, V4, V60, V70) 1,8-3,5	12.90-01.07		P70 24		
Pajero II, III (V2, V4, V60, V70) 2,5-2,8 TD; 3,2 DI-D; 3,5 V6	12.90-01.07		P95 05		
Pajero Pinin (H6, H7) 1,8-2,0 GDI	03.99-		PRO P63 40 P62 19	562 19	
Pajero Pinin (H6, H7) 3,2 DI-D	03.99-		P95 05		

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull BackUp
Pajero Sport (K90T, KH8W) 2,5-3,2 TD; DI-D	11.97-		P95 05		
Pajero Sport (K90T, KH8W) 1,8-3,5 V6	11.97-		P60 69		
Pajero III, IV (V80, V90, BK25, BK45) 3,8 V6 MPI (184kW)	11.06-		P60 69		
Pajero III, IV (V80, V90, BK25, BK45) 3,0 4WD; 3,2 DI-D CR (118-125kW)	11.06-		P70 29 P80 09		
Pajero III, IV (V80, V90, BK25, BK45) 3,2 DI-D CR, TD; 3,8 V6 (182kW)	11.06-		P95 05		
Santamo 2,0	03.99-12.04		P70 24		
Sigma (F16A, F07W) 3,0	12.90-07.96		P70 24		
Space Gear (PA/B/D/W)	05.95-06.05		P70 24		
Space-Gear (PA/B/D/W) 2,5 TD	05.95-06.05		P95 05		
Space-Runner/Wagon (N10W, N20W, N50) 1,8-2,4	10.91-10.98		P70 24		
Space-Runner/Wagon (N10W, N20W, N50) 2,0 TD	10.91-10.98		P95 05		
Space-Runner/Wagon (N80W, N90W, N50) 1,8-2,4 GDI	10.98-		P70 24		
Space-Star (DG0A) 1,3-1,6	06.98-12.05		PRO P63 40 P62 19	562 19	
Space-Star (DG0A) 1,8 GDI-1,9 DID	06.98-12.05		PRO P77 40 P74 12	572 12	
Space-Star (A00A-A05A) 1,0-1,2 MIVEC Cleartec AS&G Start/Stop	05.12-	EFB 565 15			
Morgan					
Aero 8 4,4	10.00-			545 79	
Eva GT	01.12-		PRO P77 40 P74 12		
Four Four 1,6-1,8	01.68-08.03			545 79	
Plus Four 1,8-2,0	01.85-			545 79	
Plus Eight 3,5-3,9	01.68-		P40 26		
Moskwitsch					
412-427 1,5				560 08	
2140-2142 1,5				560 08	
ASLK 2137, 2140 1,5	03.76-			560 08	
Nissan					
200 SX (S14) 2,0-2,4	10.93-		P60 69		
300 ZX (Z31, Z32)	01.83-09.95		P60 68		
350 Z (Z33) 3,5 - Roadster	10.03-		P60 68		
370 Z (Z34) 3,7 V6 - Roadster	04.09-		P60 68		
Almera I (N15) 1,4-1,6	07.95-07.00		P60 68		
Almera I (N15) 2,0 D	07.95-07.00		P95 04		
Almera II (N16) 1,5-1,8	03.00-		PRO P63 42 P60 09	560 09	
Almera II (N16) 1,5-2,2 dCi, Di	03.00-		PRO P77 42 P72 09	570 44	
Almera Tino II (V10) 1,8-2,0	08.00-		PRO P63 42 P60 09	560 09	
Almera Tino II (V10) 2,2 Di, dCi	08.00-		PRO P77 42 P72 09	570 44	
Atleon 110.56, 130.70, 130.75, 165.75	00-		P60 68		
Atleon 120.35 TD, 120.56 3x2	00-		P95 05		
Cube (Z12) 1,6-1,8	01.10-		P60 68		
Cube (Z12) 1,5 dCi	01.10-		P70 29 P80 09		
Evalia 1,6 DIG	05.11-		PRO P50 40 P50 03		
Evalia 1,5 dCi	05.11-		PRO P63 40 P62 19		
GT-R (R35) 3,8 V6	01.08-		P45 23		

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

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CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Interstar (X70) dCi 80-150	08.03-		PRO P100 40 P95 33	595 33	
Interstar (X70) Flatbed, Chassis dCi 100-140	08.03-		PRO P77 40 P74 12	572 12	
Juke (F15) 1,6 DIG Turbo	10.10-		P60 69		
Juke (F15) 1,5 dCi	10.10-		PRO P63 40 P62 19		
Kubistar (X76) 1,2-1,6	08.03-		PRO P50 42 P44 09	544 09	
Kubistar (X76) 1,5 dCi	08.03-		PRO P77 40 P74 12	572 12	
Leaf Electric (ZE0, ZE1) 80 kW L-Serie, M-Serie	01.10-03.91-		P45 23 P95 05		
Maxima I, II (J30, A32) 3,0i; 2,0-3,0 QX	10.88-08.00		P70 29 P80 09		
Maxima QX (A33) 2,0-3,5	03.00-		PRO P77 40 P74 12	572 12	
Micra II (K11) 1,0-1,4	08.92-02.03		P45 23		
Micra II (K11) 1,5 D	08.92-02.03		PRO P63 42 P60 09	560 09	
Micra III (K12) 1,0-1,6	01.03-05.10		PRO P50 42 P44 09		
Micra III (K12) 1,5 dCi	01.03-05.10		PRO P63 42 P60 09		
Micra C+C III (K12) 1,4-1,6	08.05-		PRO P63 42 P60 09		
Micra IV (K13) 1,2	05.10-		P40 25		
Micra IV (K13) 1,2 DIG-S Start/Stop**	05.10-	AGM 560 01 EFB 560 11			
Micra IV (K13) 1,2 DIG-S Start/Stop	04.11-	EFB 565 15			
Murano (Z50, Z51) 3,5 V6	06.05-		P60 68		
Murano (Z50, Z51) 2,0 dCi	06.05-		P70 29 P80 09		
Navara (D22) 2,4	09.97-06.05		P70 29 P80 09		
Navara (D22) 3,0	09.97-06.05		PRO P77 40 P74 12	572 12	
Navara (D40) 2,5 dCi	07.05-08.17		PRO P77 40 P74 12		
Navara (D40) 2,8 D	07.05-08.17		P70 29 P80 09		
Navara (D231) 2,3 dCi Start/Stop	09.17-	AGM 592 01			
Note (E11) 1,4-1,6	03.06-		PRO P50 42 P44 09		
Note (E11) 1,5 dCi	03.06-		PRO P63 42 P60 09		
Note 1,2 DIG	01.13-		PRO P77 40 P74 12		
NV 200 1,6 DIG	03.09-		PRO P50 40 P50 03		
NV 200 1,5 dCi	03.09-		PRO P63 40 P62 19		
e-NV Electric 200	01.13-		P45 23		
e-NV Electric 200 (Spain Assembly)	01.13-		PRO P50 40 P50 03		
NV 400 2,3 dCi	03.09-		PRO P100 40 P95 33		
Pathfinder (R50) 2,4-3,5 V6	09.97-12.04		P70 24		
Pathfinder (R50) 2,7-3,2 TD	09.97-12.04		P95 05		
Pathfinder (R51) 4,0	03.05-		PRO P77 40 P74 12		
Pathfinder (R51) 4,0 4WD	03.05-		PRO P63 40 P62 19		
Pathfinder (R51) 2,5 dCi	03.05-		PRO P77 40 P74 12		
Patrol (W260) 2,8 TD-3,2 D	08.88-11.95		P95 04		
Patrol (K260) 2,8-3,0; 2,8-3,2 D, TD	10.84-04.98		P95 04		

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Patrol GR I (Y60) 2,8 TD-4,2 D	08.87-06.97		P95 04		
Patrol GR I (Y60) 4,2 KAT	08.87-06.97		P70 29 P80 09		
Patrol GR II (Y61) 2,8 TD-4,2 TD	06.97-		P95 04		
Patrol GR II (Y61) 4,5-4,8	06.97-		P95 04		
Pick Up (D21)	09.85-02.98		P70 24		
Pick Up (D21) 2,5-2,7 D	09.85-02.98		P95 05		
Pick Up (D22) 2,4i; 2,5-3,2 D	02.98-		P95 05		
Pick Up (D22) 2,5 TD 4WD	02.98-		P70 24		
Pixo (UA0) 1,0-1,1	06.09-		P40 25		
Primastar (X83) 2,0 dCi 80-150	09.02-		PRO P84 40 P80 14		
Primera (P10, W10) 1,6-2,0	06.90-03.98		PRO P63 40 P62 19	562 19	
Primera (P10, W10) 2,0 D	06.90-03.98		PRO P77 40 P74 12	572 12	
Primera (P11, WP11) 1,6-2,5	06.96-12.01		PRO P63 40 P62 19	562 19	
Primera (P11, WP11) 2,0 TD	06.96-12.01		PRO P77 40 P74 12	572 12	
Primera (P12, WP12) 1,6-2,5	03.02-		PRO P63 40 P62 19		
Primera (P12, WP12) 1,9-2,2 dCi, Di	03.02-		PRO P77 40 P74 12		
Pulsar 1,2-1,6 DIG-T Start/Stop**	10.14-	AGM 560 01 EFB 560 11			
Pulsar 1,5 dCi Start/Stop**	10.14-	AGM 570 01 EFB 570 11			
Qashqai (J10, JJ10) 1,6 (84 kW)	03.07-		P60 68		
Qashqai (J10, JJ10) 1,6 (86 kW)	03.07-		PRO P50 40 P50 03		
Qashqai (J10, JJ10) 2,0	03.07-		PRO P63 40 P62 19		
Qashqai (J10, JJ10) 1,5-2,0 dCi	03.07-		PRO P77 40 P74 12		
Qashqai (J10, JJ10) 1,6-2,0; 1,5-2,0 dCi Start/Stop**	03.07-	EFB 570 15			
Qashqai 1,3 DIG-T, 1,5-1,6 dCi	01.14-		PRO P77 40 P74 12		
Qashqai 1,3 DIG-T, 1,5-1,6 dCi Start/Stop**	01.14-	EFB 570 15			
Sunny III (N13, Y10) 1,6, -Traveller	10.90-03.00		P60 68		
Sunny III (N13/Y10) 2,0 D	10.90-03.00		P95 04		
Terrano I (WD21) 2,4	07.86-02.96		P60 68		
Terrano I (WD21) 3,0	07.86-02.96		P95 05		
Terrano I (WD21) 2,7 TD	07.86-02.93		P70 29 P80 09		
Terrano II (R20) 2,4	02.93-			560 08	
Terrano II (R20) 2,7 TD, Di, Di-4WD	02.93-		P95 05		
Terrano II (R20) 3,0 Di 4WD	02.93-		PRO P63 40 P62 19	562 19	
Tiida (C11X, SXC11X) 1,6-1,8	06.07-		PRO P63 40 P62 19		
Tiida (C1X, SC11X) 1,5 dCi	06.07-		PRO P63 40 P62 19		
X-Trail (T30) 2,0-2,5 (121kW)	07.01-		P60 68		
X-Trail (T30) 2,0-2,5 (132kW) 4x4	07.01-		PRO P77 40 P74 12		
X-Trail (T30) 2,2 Di, dCi FWD, 4x4	07.01-		P70 29 P80 09		
X-Trail (T31) 2,0-2,5 FWD	06.07-		P60 68		
X-Trail (T31) 2,0 dCi	06.07-		P70 29 P80 09		

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

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CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Opel					
Adam 1,0-1,4	09.12-		PRO P50 42 P44 09		
Adam 1,0-1,4 Start/Stop	09.12-	AGM 560 01			
Agila (H00, H08) 1,0-1,2	09.00-		PRO P50 42 P44 09	544 09	
Agila (H00, H08) 1,3 CDTI	09.00-		PRO P63 42 P60 09	560 09	
Agila (H08) 1,0-1,2 ecoFLEX Start/Stop	09.08-	AGM 560 01			
Agila (H08) 1,3 CDTI ecoFLEX Start/Stop	09.08-	AGM 560 01			
Ampera EV 150 (111 kW + 63 kW)	01.11-	AGM 560 01	PRO P63 40 P62 19		
Antara (J26, H26) 2,4 R4 (RUS)	05.06-			560 08	
Antara (J26, H26) 3,2 V6 (RUS)	05.06-			572 33	
Antara (J26, H26) 2,0 CDTI (RUS)	05.06-			572 33	
Antara (J26, H26) 2,4 R4 (ROK)	05.06-		P60 69		
Antara (J26, H26) 3,2 V6 (ROK)	05.06-		P70 24		
Antara (J26, H26) 2,0 CDTI (ROK)	05.06-		P95 05		
Arena (THB, TB, TF)	03.98-08.01		PRO P63 40 P62 19	562 19	
Arena (THB, TB, TF) 1,9 D	03.98-08.01		PRO P77 40 P74 12	572 12	
Arena (THB, TB, TF) 2,5 D	03.98-08.01		PRO P100 40 P95 33	595 33	
Astra F, G, H 1-2,1,4	09.91-		PRO P50 42 P44 09	544 09	
Astra F, G, H 1,6-2,0	09.91-		PRO P63 42 P60 09	560 09	
Astra F, G, H 2,2	09.91-		PRO P77 42 P72 09	570 44	
Astra F, G, H 1,7-2,2 D, TD, DTI, CDTI	09.91-		PRO P77 42 P72 09	570 44	
Astra J 1,3-1,6 ecoFLEX	12.09-		PRO P63 42 P60 09		
Astra J 1,3-2,0 CDTI ecoFLEX	12.09-		PRO P77 42 P72 09		
Astra J GTC 1,4-1,6 ecoFLEX Start/Stop	09.10-	AGM 560 01			
Astra J GTC 1,3-1,7 CDTI ecoFLEX Start/Stop	09.10-	AGM 570 01			
Calibra A 2,0 i5	06.90-07.97		PRO P50 42 P44 09	544 09	
Calibra A 2,0 i 16V, -Turbo, 3x3, 2,5 i	06.90-07.97		PRO P63 42 P60 09	560 09	
Campo (TF) 2,3	08.87-		P60 69		
Campo (TF) 2,5 D; 3,1 TD, DTI	08.87-		P95 05		
Cascada (W13) 1,4-2,0	03.13-		PRO P63 42 P60 09		
Cascada (W13) 2,0 Biturbo CDTI	03.13-		PRO P77 42 P72 09		
Cascada (W13) 2,0 Biturbo CDTI Ecoflex Start/Stop	03.13-	AGM 570 01			
Combo (71) 1,2-1,7	07.94-		PRO P63 42 P60 09	560 09	
Combo (71) 1,3 DI, DTI, CDTI	07.94-		PRO P63 42 P60 09	560 09	
Combo (71) 1,7 DI, DTI, CDTI	07.94-		PRO P77 42 P72 09	570 44	
Combo (X12) 1,4, 1,3 CDTI	01.12-		PRO P63 42 P60 09		

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Combo (X12) 1,6-2,0 CDTI	01.12-		PRO P77 42 P72 09		
Combo (X12) 1,4, 1,3 CDTI Start/Stop	01.12-	AGM 560 01			
Combo (X12) 1,6-2,0 CDTI Start/Stop	01.12-	AGM 570 01			
Corsa A, B, C (73-79, F35, F08-68) 1,5 D, TD, DI, DTI, CDTI	09.82-06.06		PRO P63 42 P60 09	560 09	
Corsa A, B, C (73-79, F35, F08-68) 1,0-1,8	09.82-06.06		PRO P63 42 P60 09	560 09	
Corsa D 1,0	07.06-		PRO P50 40 P50 03		
Corsa D 1,2-1,6	07.06-		PRO P63 40 P62 19		
Corsa D 1,3-1,7 CDTI	07.06-		PRO P77 40 P74 12		
Corsa D 1,0 ecoFLEX	07.09-		PRO P50 40 P50 03		
Corsa D 1,2-1,6 ecoFLEX	07.06-		PRO P63 40 P62 19		
Corsa D 1,3-1,7 CDTI ecoFLEX	07.09-		PRO P77 40 P74 12		
Corsa D 1,3-1,7 CDTI ecoFLEX Start/Stop	07.09-	AGM 570 01			
Crossland X (P17) 1,2 ecoTEC	03.17-	AGM 560 01			
Crossland X (P17) 1,5-1,6 Turbo-D ecoTEC	03.17-	AGM 570 01			
Frontera A (5MWL4) 2,0-2,4	03.92-10.98		PRO P63 40 P62 19	562 19	
Frontera A (5MWL4) 2,3-2,8 TD, TDS	03.92-10.98		PRO P77 40 P74 12	572 12	
Frontera B (6B) 2,2-3,2	10.98-		PRO P77 40 P74 12	572 12	
Frontera B (6B) 2,2 DTI	10.98-		PRO P77 40 P74 12	572 12	
Grandland X (P17) 1,2 ecoTEC Start/Stop	03.17-	AGM 560 01			
Grandland X (P17) 1,5-1,6 Turbo-D; 2,0 D ecoTEC Start/Stop	03.17-	AGM 570 01			
GT Cabrio 2,0	06.07-			560 08	
Insignia 1,6-1,8	09.08-		PRO P63 42 P60 09		
Insignia 2,0	09.08-		PRO P77 42 P72 09		
Insignia 2,8 V6	09.08-		P80 14		
Insignia 2,0 CDTI, Biturbo**	09.08-		P88 20		
Insignia 2,0 CDTI, Biturbo**	09.08-		PRO P100 40 P95 33		
Insignia 1,6-1,8 ecoFLEX	09.08-		PRO P63 42 P60 09		
Insignia 2,0 ecoFLEX	09.08-		PRO P77 42 P72 09		
Insignia 2,8 V6 ecoFLEX	09.08-		P80 14		
Insignia 2,0 CDTI, Biturbo ecoFLEX**	09.08-		P88 20		
Insignia 2,0 CDTI, Biturbo ecoFLEX**	09.08-		PRO P100 40 P95 33		
Insignia 1,6-1,8 ecoFLEX ecoFLEX Start/Stop	09.08-	AGM 560 01			
Insignia 2,0-2,8 V6 ecoFLEX Start/Stop**	09.08-	AGM 570 01			
Insignia 2,0 CDTI, Biturbo ecoFLEX Start/Stop**	09.08-	AGM 580 01 AGM 592 01			
Karl 1,0 (C16)	06.15-		PRO P50 40 P50 03		
Meriva (A, B) 1,4-1,8 16V	05.03-		PRO P63 42 P60 09	560 09	

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment

CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Meriva (A, B) 1,3-1,7 CDTI	05.03-		PRO P77 42 P72 09	570 44	
Meriva (A, B) 1,4-1,8 16V ecoFLEX	05.03-		PRO P63 42 P60 09	560 09	
Meriva (A, B) 1,3-1,7 CDTI ecoFLEX	05.03-		PRO P77 42 P72 09	570 44	
Meriva (B) 1,3 CDTI ecoFLEX Start/Stop**	01.10-	AGM 560 01 AGM 570 01			
Mokka 1,4-1,6 ecoFLEX	09.12-		PRO P63 42 P60 09		
Mokka 1,7 CDTI ecoFLEX	09.12-		PRO P77 42 P72 09		
Mokka 1,4-1,6 ecoFLEX Start/Stop	09.12-	AGM 560 01			
Mokka 1,7 CDTI ecoFLEX Start/Stop	09.12-	AGM 570 01			
Monterey A, B (UBS) 3,2-3,5; 3,0-3,1 D, DTI	09.91-07.98		P70 29 P80 09		
Movano (J9, F9, H9)	07.98-		P88 20	588 20	
Movano (J9, F9, H9) 1,9-2,8 DTI; CDTI	07.98-		PRO P100 40 P95 33	595 33	
Omega B 2,0-3,2 V6	03.94-07.03		PRO P77 42 P72 09	570 44	
Omega B 2,0-2,5 DTI, TD	03.94-07.03		P80 14	580 14	
Roadster GT	03.07-		PRO P63 42 P60 09		
Signum 1,8	05.03-		PRO P63 42 P60 09		
Signum 2,0-3,2 V6	05.03-		PRO P77 42 P72 09		
Signum 1,9-2,2 CDTI, DTI	05.03-		PRO P77 42 P72 09		
Signum 3,0 V6 CDTI	05.03-		P88 20		
Sintra 2,2 DTI	11.96-04.99		PRO P77 42 P72 09	570 44	
Sintra 2,2-3,0	11.96-04.99		PRO P63 42 P60 09	560 09	
Speedster 2,0-2,2	09.00-		PRO P63 42 P60 09	560 09	
Tigra (95_) 1,4-1,6	07.93-12.00		PRO P63 42 P60 09	560 09	
Tigra Twin Top 1,4-1,8	06.04-		PRO P63 42 P60 09	560 09	
Tigra Twin Top 1,3 CDTI	06.04-		PRO P77 42 P72 09	570 44	
Vectra A, B 1,4-1,8	04.88-07.03		PRO P63 42 P60 09	560 09	
Vectra A, B 2,0-2,6	04.88-07.03		PRO P63 42 P60 09	560 09	
Vectra A, B 1,7-2,2 D, DTI, CDTI	04.88-07.03		PRO P77 42 P72 09	570 44	
Vectra C 1,6-1,8	04.02-		PRO P63 42 P60 09		
Vectra C 2,0-3,2 V6	04.02-		PRO P77 42 P72 09		
Vectra C 1,9-2,2 DTI, CDTI	04.02-		P80 14		
Vectra C 3,0 CTDI	04.02-		P88 20		
Vectra C 1,6-1,8 ecoFLEX	04.02-		PRO P63 42 P60 09		
Vectra C 2,0-3,2 V6 ecoFLEX	04.02-		PRO P77 42 P72 09		
Vectra C 1,9-2,2 DTI, CDTI ecoFLEX	04.02-		P80 14		
Vectra C 3,0 CTDI ecoFLEX	04.02-		P88 20		
Vivaro (J7, F7) 2,0	08.01-		PRO P77 40 P74 12	572 12	

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Vivaro (J7, F7) 1,9-2,5 DI, DTI, CDTI	08.01-		PRO P100 40 P95 33	595 33	
Vivaro (E7) 2,0	01.06-		PRO P77 40 P74 12		
Vivaro (E7) 1,9-2,5 CDTI	01.06-		PRO P100 40 P95 33		
Zafira (F75, A05) 1,6-1,8	04.99-		PRO P63 42 P60 09	560 09	
Zafira (F75, A05) 2,0-2,2	04.99-		PRO P63 42 P60 09	560 09	
Zafira (F75, A05) 1,7-2,2 DTI, CDTI	04.99-		PRO P77 42 P72 09	570 44	
Zafira (F75, A05) 1,6-1,8 ecoFLEX	07.09-		PRO P63 42 P60 09		
Zafira (F75, A05) 2,0-2,2 ecoFLEX	07.09-		PRO P63 42 P60 09		
Zafira (F75, A05) 1,7-2,0 DTI, CDTI ecoFLEX	07.09-		PRO P77 42 P72 09		
Zafira (P12) 1,4-1,8 ecoFLEX	01.11-		PRO P63 42 P60 09		
Zafira (P12) 1,6-2,0 CDTI ecoFLEX	01.11-		PRO P77 42 P72 09		
Zafira (P12) 1,4-1,8 Start/Stop	01.11-	AGM 560 01			
Zafira (P12) 1,6-2,0 CDTI Start/Stop**	01.11-	AGM 570 01 AGM 580 01			
Perodua					
Kenari 1,0	01.00-		P40 25		
Kelisa 1,0	01.02-		P40 25		
Myvi 1,3	01.02-		P40 25		
Peugeot					
106 I, II (1A, 1C, 1) 1,0-1,1	09.91-		P42 08		
106 I, II (1A, 1C, 1) 1,3-1,6	09.91-		PRO P50 40 P50 03	545 59	
106 I, II (1A, 1C, 1) 1,2-1,5 D	09.91-		PRO P63 40 P62 19	562 19	
107 1,0	03.05-		P42 08		
107 1,4 HDi	03.05-		PRO P50 40 P50 03		
108 1,0-1,2	05.14-		PRO P50 40 P50 03		
108 1,0-1,2 Start/Stop**	05.14-	AGM 560 01			
1007 (KM) 1,4-1,6	03.05-		PRO P50 40 P50 03		
1007 (KM) 1,4-1,6 HDi	03.05-		PRO P63 40 P62 19		
1007 (KM) 1,4-1,6 e-HDi Start/Stop	03.08-	AGM 560 01			4Ah
1008 1,4-1,6 Start/Stop	06.18-	AGM 560 01			
1008 1,4-1,6 e-HDi Start/Stop	06.18-	AGM 560 01			
205 I, II (731 A/C, -B, 20D, 20A/C) 0,9-1,4	02.83-		PRO P50 40 P50 03	545 59	
205 I, II (731 A/C, -B, 20D, 20A/C) 1,5-1,9	02.83-		PRO P63 40 P62 19	562 19	
205 I, II (731 A/C, -B, 20D, 20A/C) 1,7-1,9 D, TD	02.83-		PRO P77 40 P74 12	572 12	
206 (2A/C, 2A/K, 2D) 1,1-1,6 CC, Saloon	09.98-		PRO P50 40 P50 03	545 59	
206 (2A/C, 2A/K, 2D) 1,4-2,0 CC, Saloon	09.98-		PRO P63 40 P62 19	562 19	
206 (2A/C, 2A/K) 1,4-2,0 TD, HDi	09.98-		PRO P63 40 P62 19	562 19	
207 (WA, WC, WD, WK) 1,1-1,6	05.06-		PRO P50 40 P50 03		
207 (WA, WC, WD, WK) 1,9-2,0	05.06-		PRO P63 40 P62 19		
207 (WA, WC, WD, WK) 1,6 HDi	05.06-		PRO P63 40 P62 19		
208 1,0-1,6 (88 kW)	03.12-		PRO P50 40 P50 03		

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

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CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
208 1,6 (115 kW)	03.12-		PRO P63 40 P62 19		
208 1,4-1,6 e-HDi Start/Stop**	03.12-	AGM 570 01 AGM 560 01			4Ah
208 1,2-1,6	03.12-		PRO P50 40 P50 03		
208 1,4-1,6 HDi	03.12-		PRO P63 40 P62 19		
208 1,2-1,6 Start/Stop**	03.12-	AGM 560 01			4Ah
208 1,4-1,6 e-HDi Start/Stop	03.12-	AGM 570 01			4Ah
301 1,2-1,6, 1,6 HDi	01.12-		PRO P63 40 P62 19		
301 1,2-1,6, 1,6 HDi Start/Stop	01.12-	AGM 560 01			
306 (7A/C, -B, -E, -D) 1,1-1,6	05.93-04.02		PRO P50 40 P50 03	545 59	
306 (7A/C, -B, -E, -D) 1,8-2,0	05.93-04.02		PRO P63 40 P62 19	562 19	
306 (7A/C, -B, -E, -D) 1,9-2,0 D, HDi	05.93-04.02		PRO P63 40 P62 19	562 19	
307 (3A/C, 3E, 3H, 3B) 1,4-1,6 CC	08.00-		PRO P50 40 P50 03	545 59	
307 (3A/C, 3E, 3H, 3B) 2,0 CC	08.00-		PRO P63 40 P62 19	562 19	
307 (3A/C, 3E, 3H, 3B) 1,4-2,0 HDi CC	08.00-		PRO P77 40 P74 12	572 12	
308 (4A/C, SW) 1,2-2,0	10.07-		PRO P63 40 P62 19		
308 (4A/C, SW) 1,4-2,0 HDi	10.07-		PRO P77 40 P74 12		
308 (4A/C, SW) 1,4-1,6 e-HDi Start/Stop	03.11-	AGM 570 01			
3008 1,6	03.09-		PRO P63 40 P62 19		
3008 1,6-2,0 HDi	03.09-		PRO P77 40 P74 12		
3008 1,6 Start/Stop**	03.09-	AGM 560 01			
3008 1,6-2,0 e-HDi Start/Stop	03.09-	AGM 570 01			
405 I, II (15B, -E, 3B, -E) 1,4-1,6	01.87-10.96		PRO P50 40 P50 03	545 59	
405 I, II (15B, -E, 3B, -E) 1,8-1,9 D,TD	01.87-10.96		PRO P77 40 P74 12	572 12	
405 I, II (15B, -E, 3B, -E) 1,8-2,0	01.87-10.96		PRO P63 40 P62 19	562 19	
406 (8) 1,6-2,0	10.95-10.04		PRO P63 40 P62 19	562 19	
406 (8) 3,0 V6, 24V	10.95-10.04		PRO P63 40 P62 19	562 19	
406 (8) 1,9-2,2 D, TD, HDi	10.95-10.04		PRO P77 40 P74 12	572 12	
407 (6 D/E/C) 1,8-3,0	05.04-		PRO P63 40 P62 19	562 19	
407 (6 D/E/C) 1,6-2,7 HDi	05.04-		PRO P77 40 P74 12	572 12	
4007 (GP) 2,4	07.07-		PRO P77 40 P74 12		
4007 (GP) 2,2 HDi	07.07-		P95 04		
4007 (GP) 2,4 Start/Stop	07.07-	AGM 570 01			
4007 (GP) 2,2 e-HDi Start/Stop	07.07-	EFB 595 15			
4008 (GP) 1,6 Start/Stop	04.12-	AGM 560 01			
4008 (GP) 1,6-1,8 e-HDi Start/Stop	04.12-	AGM 570 01			
508, SW 1,6	01.11-		PRO P63 40 P62 19		
508 SW 1,6-2,2 HDi	01.11-		PRO P77 40 P74 12		
508 SW 1,6 e-HDi Start/Stop	03.11-	AGM 570 01			
5008 1,6	09.09-		PRO P63 40 P62 19		

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
5008 1,6-2,0 HDi	09.09-		PRO P77 40 P74 12		
5008 1,6 Start/Stop	09.09-	AGM 560 01			
5008 1,6-2,0 e-HDi Start/Stop	09.09-	AGM 570 01			
605 (6B) 2,0-3,0	06.89-09.99		PRO P63 40 P62 19	562 19	
605 (6B) 2,1-2,5 TD	06.89-09.99		PRO P77 40 P74 12	572 12	
607 (9) 2,0-2,2	02.00-		PRO P63 40 P62 19	562 19	
607 (9) 3,0	02.00-		PRO P77 40 P74 12	572 12	
607 (9) 2,0-2,2 D, TD, HDi	02.00-		PRO P77 40 P74 12	572 12	
607 (9) 2,7 D, TD, HDi	02.00-		PRO P84 40 P80 14	580 14	
806 (221) 1,8-2,0	06.94-08.02		PRO P63 40 P62 19	562 19	
806 (221) 1,9-2,1 TD; HDi	06.94-08.02		PRO P77 40 P74 12	572 12	
807 (E) 2,0-3,0	06.02-		PRO P63 40 P62 19		
807 (E) 2,0-2,2 HDi	06.02-		PRO P77 40 P74 12		
Bipper (AA) 1,4	05.08-		PRO P63 40 P62 19		
Bipper (AA) 1,4 HDi	05.08-		PRO P63 40 P62 19		
Bipper Teepee (AA) 1,3-1,4 e-HDi Start/Stop	05.08-	AGM 560 01			
Boxer (230P, -L, 244) 2,0	06.93-		PRO P77 40 P74 12	572 12	
Boxer (230P, -L, 244) 1,9-2,2 D, TD, HDi	06.93-		PRO P77 40 P74 12	572 12	
Boxer (230P, -L, 244) 2,5-2,8 D, TD, HDi	06.93-		PRO P100 40 P95 33	595 33	
Boxer 2,2-3,0 D, HDi	04.06-		PRO P110 40		
Expert (224, 222, 223, VF3) 1,6-2,0	07.95-		PRO P63 40 P62 19	562 19	
Expert (224, 222, 223, VF3) 1,9-2,0 TD, HDi	07.95-		PRO P77 40 P74 12	572 12	
iOn 47 kW***	09.10-		P40 26		
Partner, Teepee (5-F) 1,1-1,8	06.96-		PRO P63 40 P62 19	562 19	
Partner, Teepee (5-F) 1,8-2,0 D, HDi	06.96-		PRO P77 40 P74 12	572 12	
Partner, Teepee (5-F) 1,8-2,0 D, e-HDi Start/Stop	04.08-	AGM 570 01			
RCZ 1,6 THP	03.10-		PRO P63 40 P62 19		
RCZ 2,0 HDi	03.10-		PRO P77 40 P74 12		
RCZ 1,6 THP Start/Stop	03.10-	AGM 560 01			
RCZ 2,0 e-HDi Start/Stop	03.10-	AGM 570 01			
Piaggio					
Porter 1,0-1,3	01.95-			545 77	
Porter 1,2-1,4 D	01.95-		PRO P63 40 P62 19		
Pontiac					
Phoenix, Fiero, Firebird			P70 24		
Solstice 2,0-2,4; GXP	01.05-12.09		P60 69		
Trans Am, Grand Am	03.97-		P70 24		
Trans Sport 2,3-3,8	03.97-			560 08	
Porsche					
911 (964, 991, 993, 996, 997) 3,0-3,8	01.63-		PRO P77 40 P74 12	572 12	
911 (997) 3,6-3,8 GT RS	01.04-		PRO P100 40 P95 33		

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

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CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
911 (997) 3,6-4,0 GT RS Start/Stop	01.04-	AGM 592 01			
928 4,6-5,4*	09.77-11.95		PRO P77 40 P74 12	572 12	
968 3,0*	06.91-11.95		PRO P77 42 P72 09	570 44	
991 3,0-3,8	06.12-		PRO P77 40 P74 12		
997 GT3	06.04-		PRO P77 40 P74 12		
Boxster (986, 987) 2,5-3,4	09.96-		PRO P77 40 P74 12	572 12	
Boxster Spyder (987) 3,4	09.96-		PRO P84 40 P80 14		
Boxster 2,5-2,7, S 3,4 Start/Stop	02.10-	AGM 580 01			
Carrera GT 5,7	07.03-		PRO P84 40 P80 14		
Cayenne (955) 3,2-4,8 Turbo	09.02-		PRO P100 40 P95 33		
Cayenne (955) 3,0 TDI	09.02-		PRO P100 40 P95 33		
Cayenne (955) 3,2-4,8 Turbo Track&Trace TrackJack	09.02-		PRO P110 40		
Cayenne (955) 3,0 TDI Track&Trace TrackJack	09.02-		PRO P110 40		
Cayenne 3,6-4,8 Turbo Start/Stop**	02.10-	AGM 592 01 AGM 605 01			
Cayenne 3,0-4,1 TDI Start/Stop**	02.10-	AGM 592 01 AGM 605 01			
Cayenne 3,6-4,8 Turbo Track&Trace TrackJack Start/Stop	02.10-	AGM 605 01			
Cayenne 3,0-4,1 TDI Track&Trace TrackJack Start/Stop	02.10-	AGM 605 01			
Cayman (987) 2,7-3,4 S	03.05-		PRO P77 40 P74 12		
Cayman (987) R 3,4	03.05-		PRO P84 40 P80 14		
Cayman (987) 2,7-3,4 S Start/Stop	03.05-	AGM 580 01			
Macan 3,0-3,6 TFSI, D	03.14-		PRO P100 40 P95 33		
Macan 3,0-3,6 TFSI, D Start/Stop	03.14-	AGM 592 01			
Panamera 3,0-4,8, 3,0 D	04.09-		PRO P100 40 P95 33		
Panamera 3,0-4,8, 3,0 D Start/Stop	04.09-	AGM 592 01			
Proton					
Aeroback (C2, C9) 1,3-1,6	01.89-11.96		P60 69		
Gen 2 (CM) 1,3-1,6	06.04-		P60 69		
Impian 1,6	09.01-		P60 69		
Jumbuck Pick-up 1,5	05.02-		P60 69		
Perdana 600 618-620	01.96-		P60 69		
Persona (C9) 300 FLH 313-316	03.96-		P60 69		
Persona (C9) 300 320 D	01.93-		P95 05		
Persona (C9) 300 FLH 313-318	01.93-		P60 69		
Persona (C9) 300 LIM 313-316	01.93-		P60 69		
Persona (C9) 300 LIM 320 D	01.93-		P95 05		
Saloon (C2) 1,5	01.89-11.96		P60 69		
Satria (C9) 1,5-1,8	07.00-		P60 69		
Scimitar Sabre Roadster 1,3-2,0	01.92-12.95		PRO P50 42 P44 09	544 09	
Wira 1,3-1,5	08.00-		P60 69		

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Puch					
G (W461) 230	02.90-		PRO P63 40 P62 19	562 19	
G (W461) 290 GD, TD	02.90-		P95 04		
G (W463) 230-320	09.89-		PRO P63 40 P62 19	562 19	
G (W463) 36-55 AMG, 300-350 GD, TD	09.89-		PRO P100 40 P95 33	595 33	
Renault					
Alaskan (U3MB) 2,3 dCi 160-190 Start/Stop	09.17-	AGM 592 01			
Avantime (DE0) 2,0-3,0 V6	09.01-05.03		PRO P77 40 P74 12	572 12	
Avantime (DE0) 2,2 dCi	09.01-05.03		PRO P77 40 P74 12	572 12	
Captur (J5, H5) TCe 90-TCe 120	03.13-		PRO P63 40 P62 19		
Captur (J5, H5) dCi 90	03.13-		PRO P77 40 P74 12		
Captur (J5, H5) TCe 90-TCe 120 Start/Stop	03.13-	AGM 560 01			
Captur (J5, H5) dCi 90 Start/Stop	03.13-	AGM 570 01			
Clio I, II (B/C57, 5/357, B/C/SB0) 1,1-1,4	05.90-04.05		PRO P50 40 P50 03	545 59	
Clio I, II (B/C57, 5/357, B/C/SB0) 1,6-2,0	05.90-04.05		PRO P63 40 P62 19	562 19	
Clio II (BB0, CB0) 3,0 V6	05.90-04.05		PRO P77 40 P74 12	572 12	
Clio I, II (B/C57, 5/357, B/C/SB0) 1,5-1,9 D, dCi, dTi	05.90-04.05		PRO P77 40 P74 12	572 12	
Clio III, IV (BR0, CR0, KR0) 0,9-1,2 eco2	05.05-		PRO P50 40 P50 03		
Clio III, IV (BR0, CR0, KR0) 1,6-2,0 eco2	05.05-		PRO P63 40 P62 19		
Clio III, IV (BR0, CR0, KR0) 1,5 dCi eco2	05.05-		PRO P77 40 P74 12		
Clio IV 0,9, 1,5 dCi Start/Stop	01.12-	AGM 570 01			
Espace I, II, III (U11, J/S63, JE0) 2,0-2,9 V6	07.84-10.02		PRO P63 40 P62 19	562 19	
Espace I, II, III (U11, J/S63, JE0) 1,9-3,0 dCi	07.84-10.02		PRO P77 40 P74 12	572 12	
Espace IV (JK0) 2,0-3,5 V6	11.02-		PRO P77 40 P74 12		
Espace IV (JK0) 1,9-3,0 dCi	11.02-		PRO P84 40 P80 14		
Fluence (L30) 1,6-2,0 eco2	02.10-		PRO P50 40 P50 03		
Fluence (L30) 1,5-1,6 dCi eco2	02.10-		PRO P77 40 P74 12		
Fluence (L30) 1,6-2,0 eco2 Start/Stop	02.10-	AGM 560 01			
Fluence (L30) 1,5-1,6 dCi eco2 Start/Stop	02.10-	AGM 570 01			
Fluence (L30) Z.E. 70 kW	03.11-		PRO P50 40 P50 03		
Grand Scenic II, III (JM0/1, JZ0/1) 1,4-1,6 eco2	04.04-		PRO P63 40 P62 19	562 19	
Grand Scenic II, III (JM0/1, JZ0/1) 2,0 eco2	04.04-		PRO P77 40 P74 12	570 44	
Grand Scenic II, III (JM0/1, JZ0/1) 1,5-2,0 dCi eco2	04.04-		PRO P77 40 P74 12	572 12	
Grand Scenic 1,5-1,6 dCi 130 Energy Start/Stop	05.11-	AGM 570 01			
Kadjar (HA, HL) 1,2-1,6 Start/Stop	06.15-	AGM 560 01 EFB 560 11			
Kadjar (HA, HL) 1,5-1,6 dCi Start/Stop	06.15-	AGM 570 01 EFB 570 11			
Kangoo, be bop (KC0, FC0, KW0, FW0) 1,2 eco2	03.98-		PRO P50 40 P50 03	545 59	

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment



CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull BackUp
Kangoo, be bop (KC0, FC0, KW0, FW0) 1,4-1,6 eco2	03.98-		PRO P63 40 P62 19	562 19	
Kangoo, be bop (KC0, FC0, KW0, FW0) 1,5-1,9 dCi, RXED eco2	03.98-		PRO P77 40 P74 12	572 12	
Kangoo Z.E. 44 kW	03.17-		PRO P50 40 P50 03		
Koleos (HY) 2,5	09.08-		P60 68		
Koleos (HY) 2,0 dCi	09.08-		P70 29 P80 09		
Koleos (HY) 2,5 Start/Stop	09.08-	EFB 565 15			
Koleos (HY) 2,0 dCi Start/Stop	09.08-	EFB 570 15			
Laguna I, II, III (B56, K56, BG0/1, KG0/1, KT0/1, DT0/1) 1,6-2,0 eco2	11.93-		PRO P63 40 P62 19	562 19	
Laguna I, II, III (B56, K56, BG0/1, KG0/1, KT0/1, DT0/1) 2,2-3,0 V6 eco2	11.93-		PRO P77 40 P74 12	572 12	
Laguna I, II, III (B56, K56, BG0/1, KG0/1, KT0/1, DT0/1) 1,5 dCi, dTi eco2	11.93-		PRO P77 40 P74 12	572 12	
Laguna I, II, III (B56, K56, BG0/1, KG0/1, KT0/1, DT0/1) 1,9-3,0 dCi, dTi eco2	11.93-		PRO P84 40 P80 14	580 14	
Latitude (L70) 1,6-2,0	01.11-		PRO P63 40 P62 19		
Latitude (L70) 2,5 V6	01.11-		PRO P100 40 P95 33		
Latitude (L70) 1,5-2,0 dCi	01.11-		PRO P77 40 P74 12		
Latitude (L70) 3,0 dCi	01.11-		PRO P84 40 P80 14		
Latitude (L70) 1,6-2,0 Start/Stop	01.11-	AGM 560 01			
Latitude (L70) 2,5 V6 Start/Stop	01.11-	AGM 592 01			
Latitude (L70) 1,5-1,9 dCi Start/Stop	01.11-	AGM 570 01			
Master I (T, P) 28-35, 30 2,0-2,2	08.80-07.98		PRO P50 40 P50 03	545 59	
Master I (T, P) 28-35 2,1-2,5 D, TD	08.80-07.98		PRO P77 40 P74 12	572 12	
Master II, III (JD/ND, FD, ED/HD/DU) 1,9-3,0 dTi, dCi	07.98-		PRO P100 40 P95 33	595 33	
Megane I (BA0, LA0, DA0, EA0, JA0) 1,4-1,6	01.96-08.03		PRO P50 40 P50 03	545 59	
Megane I (BA0, LA0, DA0, EA0, JA0) 1,8-2,0	01.96-08.03		PRO P63 40 P62 19	562 19	
Megane I (BA0, LA0, DA0, EA0, JA0) 1,9 D, dTi, dCi, dTi	01.96-08.03		PRO P77 40 P74 12	572 12	
Megane II (BM0, CM0, KM0, EM0) 1,4-2,0	11.02-10.08		PRO P63 40 P62 19	562 19	
Megane II (BM0, CM0, KM0, EM0) 1,5-2,0 dCi	11.02-10.08		PRO P77 40 P74 12	572 12	
Megane III (BZ0, KZ0/1, DZ0) 1,4-1,6 eco2	11.08-		PRO P50 40 P50 03		
Megane III (BZ0, KZ0/1, DZ0) 2,0; 1,5 dCi eco2	11.08-		PRO P63 40 P62 19		
Megane III (BZ0, KZ0/1, DZ0) 1,9-2,0 dCi eco2	11.08-		PRO P77 40 P74 12		
Megane CC (EZ0/1) 1,4	06.10-		PRO P50 40 P50 03		
Megane CC (EZ0/1) 1,5-2,0 dCi	06.10-		PRO P77 40 P74 12		
Megane CC (EZ0/1) 1,4 Start/Stop	06.10-	AGM 560 01			
Megane CC (EZ0/1) 1,5-2,0 dCi Start/Stop	06.10-	AGM 570 01			

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull BackUp
Megane Scenic I (JA0/1) 1,6; 1,9 D, dTi	01.97-09.99	AGM 570 01			
Messenger RVI B 80.35-80.45, 120.35 D, TD	01.83-06.99		PRO P100 40 P95 33	595 33	
Modus (F/JPO) 1,2-1,6 eco2	12.04-		PRO P63 40 P62 19	562 19	
Modus (F/JPO) 1,5 dCi eco2	12.04-		PRO P77 40 P74 12	572 12	
R 5, Super 5 (B/C30)	10.83-12.96		PRO P50 40 P50 03	545 59	
R 19 I, II (L53, B/C53, D53, 853) 1,9 D, TD	01.88-09.96		PRO P77 40 P74 12	572 12	
R 19 I, II (L53, B/C53, D53, 853) 1,3-1,7	01.88-09.96		PRO P50 40 P50 03	545 59	
R 19 I, II (L53, B/C53, D53, 853) 1,8	01.88-09.96		PRO P63 40 P62 19	562 19	
Rapid (F30, G30) 1,1-1,3	07.85-03.98		PRO P50 40 P50 03	545 59	
Rapid (F30, G30) 1,6-1,9 D	07.85-03.98		PRO P63 40 P62 19	562 19	
Safrane I, II (B54) 2,0-2,5	03.92-12.00		PRO P63 40 P62 19	562 19	
Safrane I, II (B54) 2,9-3,0 V6	03.92-12.00		PRO P77 40 P74 12	572 12	
Safrane I, II (B53) 2,1-2,5 dTi	03.92-12.00		PRO P100 40 P95 33	595 33	
Scenic I (JA0/1) 1,4-1,6	09.99-08.03		PRO P50 40 P50 03	545 59	
Scenic I (JA0/1) 1,8-2,0	09.99-08.03		PRO P63 40 P62 19	562 19	
Scenic I (JA0/1) 1,9 dTi, dCi	09.99-08.03		PRO P77 40 P74 12	572 12	
Scenic II, III (JM0/1, JZ0/1) 1,4 eco2	04.04-		PRO P50 40 P50 03	545 59	
Scenic II, III (JA0/1, JZ0/1) 1,6-2,0 eco2	06.03-		PRO P63 40 P62 19	562 19	
Scenic II, III (JA0/1, JZ0/1) 1,5 dCi eco2	06.03-		PRO P63 40 P62 19	562 19	
Scenic II, III (JM0/1, JZ0/1) 1,9-2,0 dCi eco2	06.03-		PRO P77 40 P74 12	572 12	
Scenic III (JZ0/1) 1,6 dCi 130 Energy Start/Stop	05.11-	AGM 570 01			
Sport Spider (EF0) 2,0 16V	03.95-10.99		PRO P63 40 P62 19	562 19	
Talisman (L2M, KP) 1,6 Start/Stop	02.16-	AGM 560 01 EFB 560 11			
Talisman (L2M, KP) 1,5-1,6 dCi Start/Stop	02.16-	AGM 570 01 EFB 570 11			
Thalia (LB0/1/2_) 1,2	02.98-		PRO P50 40 P50 03	545 59	
Thalia (LB0/1/2_) 1,4-1,6	02.98-		PRO P63 40 P62 19	562 19	
Thalia (LB0/1/2_) 2,0	02.98-		PRO P63 40 P62 19	562 19	
Thalia (LB0/1/2_) 1,5 dCi	02.98-		PRO P77 40 P74 12	572 12	
Thalia (LB0/1/2_) 1,9 D, dCi; 3,0 V6 Start/Stop	02.98-	AGM 570 01			
Trafic I, II (TXW, TXX, PXX, JL, FL, EL) 1,7-2,2	03.89-		PRO P63 40 P62 19	562 19	
Trafic I, II (TXW, TXX, PXX, JL, FL, EL) 1,9-2,5 D, dCi, dTi	03.89-		PRO P84 40 P80 14	580 14	
Twingo I, II, III, IV (C06, S06, CN0) 1,2-1,6 Turbo eco2	03.93-		PRO P50 40 P50 03	545 59	
Twingo IV (CN0) 1,5 dCi eco2	03.07-		PRO P63 40 P62 19		
Twizy Z.E. 4-13 kW	05.11-		PRO P50 40 P50 03		
Vel Satis (BJ0) 2,0	06.02-03.03		PRO P77 40 P74 12		

* with base hold-down adapter Art.No. 305002030101

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**** not yet available in the Banner assortment

CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Vel Satis (BJ0) 2,0	04.03-		PRO P84 40 P80 14		
Vel Satis (BJ0) 2,2-3,0 dCi	06.00-06.02		PRO P77 40 P74 12		
Vel Satis (BJ0) 2,2-3,0 dCi	05.02-		PRO P84 40 P80 14		
Vel Satis (BJ0) 3,5 V6	06.00-06.02		PRO P77 40 P74 12		
Vel Satis (BJ0) 3,5 V6	07.02-		PRO P84 40 P80 14		
Wind (E4M) 1,2-1,6	09.10-		PRO P50 40 P50 03		
ZOE Z.E. 65 kW	12.12-		PRO P50 40 P50 03		
Rolls-Royce					
Corniche Cabriolet 6,8	01.03-		PRO P100 40 P95 33		
Ghost 6,6 V12	01.08-		PRO P100 40 P95 33		
Ghost 6,6 V12 Start/Stop	01.08-	AGM 592 01			
Phantom 6,75	05.03-		PRO P100 40 P95 33		
Phantom 6,75 Start/Stop	05.03-	AGM 592 01			
Silver Seraph 5,4	01.03-		PRO P100 40 P95 33		
Rover					
25 (RF) 1,4-1,8	10.99-05.05		PRO P63 40 P62 19	562 19	
25 (RF) 2,0 iDT	10.99-05.05		PRO P77 40 P74 12	572 12	
45 (RT) 1,4-2,0	02.00-05.05		PRO P63 40 P62 19	562 19	
45 (RT) 2,0 iDT	02.00-05.05		PRO P77 40 P74 12	572 12	
75 (RT) 1,8-2,5 V6	02.99-05.05		PRO P77 40 P74 12	572 12	
75 (RT) 2,0 CDTi	02.99-05.05		PRO P77 40 P74 12	572 12	
75 (RJ) 1,8-2,0 V6	08.01-05.05		PRO P63 40 P62 19	562 19	
75 (RJ) 2,5 V6	08.01-05.05		PRO P77 40 P74 12	572 12	
75 (RJ) 2,0 CDTi	08.01-05.05		PRO P77 40 P74 12	572 12	
100 (XP) Cabrio 111-114	03.93-12.98		PRO P50 40 P50 03	545 59	
100 (XP) Cabrio 114-115 D	03.93-12.98		PRO P63 40 P62 19	562 19	
200 (RF) 214-216	11.95-03.00		PRO P50 40 P50 03	545 59	
200 (RF) 218	11.95-03.00		PRO P63 40 P62 19	562 19	
200 (RF) 220 D, SD, SDi	11.95-03.00		PRO P63 40 P62 19	562 19	
200 (XH) 214-216	03.85-09.89		PRO P50 40 P50 03	545 59	
200 (XW) 214-220	10.89-10.95		PRO P50 40 P50 03	545 59	
200 (XW) 218 TD	10.89-10.95		PRO P63 40 P62 19	562 19	
200 (XW) Coupe 216-220	10.92-		PRO P50 40 P50 03	545 59	
400 (RT) 414-416	05.95-03.00		PRO P50 40 P50 03	545 59	
400 (RT) 420	05.95-03.00		PRO P63 40 P62 19	562 19	
400 (RT) 420 D, Di	05.95-03.00		PRO P77 40 P74 12	572 12	
400 (XW) 414	03.90-03.95		PRO P50 40 P50 03	545 59	

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
400 (XW) 416-420	03.90-03.95		PRO P63 40 P62 19	562 19	
400 (XW) 418-420 D, TD	03.90-03.95		PRO P77 40 P74 12	572 12	
400 (XW) Tourer 1,6-2,0	09.93-11.98		PRO P50 40 P50 03	545 59	
400 (XW) Tourer 1,8 TD	09.93-11.98		PRO P77 40 P74 12	572 12	
600 (RH) 618	08.93-02.99		PRO P50 40 P50 03	545 59	
600 (RH) 620-623	08.93-02.99		PRO P63 40 P62 19	562 19	
600 (RH) 620 Sdi	08.93-02.99		PRO P77 40 P74 12	572 12	
800 820-827	10.86-02.99		PRO P63 40 P62 19	562 19	
800 825 D, SD	10.86-02.99		PRO P77 40 P74 12	572 12	
Cabriolet (XW) 214-216	01.92-11.99		PRO P50 40 P50 03	545 59	
Cityrover 1,4	01.04-06.05		PRO P63 40 P62 19	562 19	
Defender (LD) 90, 110 TDI	09.90-		P70 24		
Defender (LD) 2,5 TD5 4WD	09.90-		P70 24		
Defender(LD) V8	09.90-		P95 05		
Discovery II (LJ, LT) 2,0; 3,9-4,0 V8; 2,5 TD	06.94-09.04		P70 24		
Discovery III (TAA) 2,7 TD, 4,4	10.04-09.10		PRO P100 40 P95 33		
Discovery IV 2,7 TD, 4,4	10.10-		PRO P100 40 P95 33		
Freelander I (LN) 1,8-2,5	02.98-		PRO P63 40 P62 19	562 19	
Freelander I (LN) 2,0 Di; TD4	02.98-		PRO P77 40 P74 12	572 12	
Freelander II (FA) 2,2-3,2; 2,2 TD4 4x4	02.06-		PRO P77 40 P74 12		
Fealander II (FA) 2,0-2,2 TD4 Start/Stop**	02.08-	AGM 570 01 AGM 580 01			
Maestro 1,3	09.90-01.95		PRO P50 42 P44 09	544 09	
Maestro 1,6	09.90-01.95		PRO P50 42 P44 09	544 09	
Maestro 2,0 D, TD	09.90-01.95		PRO P77 40 P74 12	572 12	
MGF (RD) 1,8	03.95-03.02		PRO P63 40 P62 19	562 19	
Mini MK I 1000-1300	01.91-05.01			545 77	
Mini MK I Cabrio	09.92-05.01			545 77	
Range Rover I 2,4 D, TD; 2,5 TD, TDi; 3,5-4,3	07.70-07.94		P95 05 P70 24		
Range Rover II (LP) 3,9-4,6	07.94-03.02		P95 05 P70 24		
Range Rover III (LM) 3,0 TD, 4-2,4,4	03.02-		PRO P100 40 P95 33		
Range Rover III (LM) 3,6 TD; 5,0 V8	03.02-		PRO P110 40		
Range Rover III (LM) 3,6 TD; 5,0 V8 Start/Stop**	03.02-	AGM 592 01 AGM 605 01			
Range Rover Evoque 2,0; 2,2 D4, TD4, SD4 Start/Stop	06.11-	AGM 580 01			
Range Rover Sport (LS) 2,7 TDVM, 4,2-5,0; 3,6 TD	02.05-		PRO P110 40		
Range Rover Sport (LS) 2,7 TDVM, 4,2-5,0; 3,6 TD Start/Stop**	02.05-	AGM 592 01 AGM 605 01			
Range Rover Sport (LW) 3,0-5,0, 3,0 TD Start/Stop	01.13-	AGM 592 01			

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

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CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Streetwise 1,4	08.03-05.05		PRO P63 40 P62 19	562 19	
Streetwise 2,0 TD	08.03-05.05		PRO P77 40 P74 12	572 12	
Saab					
900 II 2,0-2,3; Coupe, Convertible	07.93-02.98		PRO P63 40 P62 19	562 19	
900 II 2,5; Coupe, Convertible	07.93-02.98		PRO P77 40 P74 12	572 12	
9000 2,0	09.83-12.98		PRO P63 40 P62 19	562 19	
9000 2,3-3,0	09.83-12.98		PRO P77 40 P74 12	572 12	
9-3 (YS3D) 1,8-2,3; Cabriolet	02.98-08.03		PRO P63 40 P62 19	562 19	
9-3 (YS3D) 1,9-2,2 TiD	02.98-09.02		PRO P100 40 P95 33	595 33	
9-3 (YS3F) 1,8-2,8; X, Cabriolet, Kombi	02.09-		PRO P63 40 P62 19		
9-3 (YS3F) 1,9; X, Cabriolet, Kombi TiD, TTiD	02.09-		PRO P77 40 P74 12		
9-5 (YS3E) 2,0-3,0; Kombi	09.97-		PRO P77 40 P74 12	572 12	
9-5 (YS3E) 1,9-3,0; Kombi TiD	09.97-		PRO P77 40 P74 12	572 12	
9-7X 4,2-6,0	03.05-12.08		PRO P77 40 P74 12		
9-7X TiD 1,9-3,0; Kombi TiD	03.05-12.08		PRO P77 40 P74 12		
Seat					
Alhambra (7V8, 7V9) 1,8-2,0	03.96-		PRO P63 40 P62 19	562 19	
Alhambra (7V8, 7V9) 1,9-2,0 TDI	03.96-		PRO P100 40 P95 33	595 33	
Alhambra (7V8, 7V9) 2,8 V6	03.96-		PRO P77 40 P74 12	572 12	
Alhambra (7V8, 7V9) 1,8-2,0 Ecomotive Start/Stop**	03.05-	AGM 560 01 EFB 560 11			
Alhambra (7V8, 7V9) 1,9-2,0 TDI Ecomotive Start/Stop	03.05-	AGM 592 01			
Alhambra (7V8, 7V9) 2,8 V6 Ecomotive Start/Stop**	03.05-	AGM 570 01 EFB 570 11			
Alhambra (710) 1,4-2,0 TSI	01.10-		PRO P63 40 P62 19		
Alhambra (710) 2,0 TDI	01.10-		PRO P77 40 P74 12		
Alhambra (710) 1,4-2,0 TSI Start/Stop**	01.10-	AGM 560 01 EFB 560 11			
Alhambra (710) 2,0 TDI Start/Stop**	01.10-	AGM 570 01 EFB 570 11			
Altea (SP1, SP5), -Freerak 1,4-2,0	03.04-		PRO P63 40 P62 19	562 19	
Altea (SP1, SP5), -Freerak 1,6-2,0 TDI	03.04-		PRO P77 40 P74 12	572 12	
Altea -Freerak 1,4-2,0 Ecomotive Start/Stop**	10.09-	AGM 560 01 EFB 560 11			
Altea, -Freerak 1,6-2,0 TDI Ecomotive Start/Stop**	10.09-	AGM 570 01 EFB 570 11			
Arona (KJ7) 1,0-1,5 TSI Ecomotive Start/Stop	07.17-	EFB 560 11 AGM 560 01			
Arona (KJ7) 1,6 TDI Ecomotive Start/Stop	07.17-	EFB 570 11 AGM 570 01			
Arosa (6H) 1,0-1,4	05.97-06.04		PRO P50 40 P50 03	545 59	
Arosa (6H) 1,2-1,7 SDI, TDI	05.97-06.04		PRO P63 40 P62 19	562 19	
Ateca (KH7) 1,0-1,5 TSI Ecomotive Start/Stop	05.16-	EFB 560 11 AGM 560 01			
Ateca (KH7) 2,0 TSI, Cupra Ecomotive Start/Stop	05.16-	EFB 570 11 AGM 570 01			

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Ateca (KH7) 1,6-2,0 TDI Ecomotive Start/Stop	05.16-	EFB 570 11 AGM 570 01			
Cordoba (6K2/C2, 6K5) 1,0-1,6*	02.93-06.99		PRO P63 42 P60 09	560 09	
Cordoba (6K2/C2, 6K5) 1,7-1,9 TD, TDI, SDI*	02.93-12.02		PRO P77 42 P72 09	570 44	
Cordoba (6K5) 1,0-1,6*	02.93-12.02		PRO P63 42 P60 09	560 09	
Cordoba (6K5) 1,7-1,9 TD, TDI, SDI*	02.93-12.02		PRO P77 42 P72 09	570 44	
Cordoba (6L2) 1,2	09.02-		PRO P50 40 P50 03	545 59	
Cordoba (6L2) 1,4-2,0	09.02-		PRO P63 40 P62 19	562 19	
Cordoba (6L2) 1,4-1,9 TD, TDI, SDI	09.02-		PRO P77 40 P74 12	572 12	
Exeo, ST (3R2, 3R5) 1,6-2,0	06.09-		PRO P63 40 P62 19		
Exeo, ST (3R2, 3R5) 2,0 TDI	06.09-		PRO P77 40 P74 12		
Exeo, ST (3R2, 3R5) 1,6-2,0 Ecomotive Start/Stop**	06.09-	AGM 560 01 EFB 560 11			
Exeo, ST (3R2, 3R5) 2,0 TDI Ecomotive Start/Stop**	06.09-	AGM 570 01 EFB 570 11			
Ibiza III, IV, V (6K1, 6L1, 6J5, 6J1) 1,0-1,6	08.99-		PRO P50 40 P50 03	545 59	
Ibiza III, IV, V (6K1, 6L1, 6J5, 6J1) 1,8-2,0 20V	08.99-		PRO P63 40 P62 19	562 19	
Ibiza III, IV, V (6K1, 6L1, 6J5, 6J1) 1,4-2,0 SDI, TDI	08.99-		PRO P77 40 P74 12	572 12	
Ibiza III, IV, V (6J5, 6J1) 1,0-1,6 Ecomotive Start/Stop**	03.08-	AGM 560 01 EFB 560 11			
Ibiza III, IV, V (6J5, 6J1) 1,8 20V Ecomotive Start/Stop**	03.08-	AGM 560 01 EFB 560 11			
Ibiza III, IV, V (6J5, 6J1) 1,4-2,0 TDI Ecomotive Start/Stop**	03.08-	AGM 570 01 EFB 570 11			
Leon (1M1, 1P1, 5F) 1,2-1,4	11.99-		PRO P50 40 P50 03	545 59	
Leon (1M1, 1P1, 5F) 1,6-2,0; 2,8 Cupra	11.99-		PRO P63 40 P62 19	562 19	
Leon (1M1, 1P1, 5F) 1,9-2,0 SDI, TDI	11.99-		PRO P77 40 P74 12	572 12	
Leon (1P1, 5F) 1,4-2,0; 2,8 Cupra Ecomotive Start/Stop**	01.10-	AGM 560 01 EFB 560 11			
Leon (1P1, 5F) 1,9-2,0 SDI, TDI Ecomotive Start/Stop**	01.10-	AGM 570 01 EFB 570 11			
Mii (KF1) 1,0-1,4, EcoFuel	11.11-		P42 08		
Toledo I (1L) 1,6-2,0*	01.91-03.99		PRO P63 42 P60 09	560 09	
Toledo I (1L) 1,9 D, SDI, TD, TDI*	01.91-03.99		PRO P77 42 P72 09	570 44	
Toledo II, III, IV (1M2, 5P2, KG3) 1,4-1,8	04.99-		PRO P50 40 P50 03	545 59	
Toledo II, III, IV (1M2, 5P2, KG3) 2,3 V5	04.99-		PRO P63 40 P62 19	562 19	
Toledo II, III, IV (1M2, 5P2, KG3) 1,9-2,0 TDI	03.99-		PRO P77 40 P74 12	572 12	
Scion					
xA, xD, iQ	03.07-		P45 23		
bbX, tC, xB	03.07-		P60 68		
FR-S (GT86) 2,0	09.12-		P60 68		
xA, xD, iQ Start/Stop	03.12-	EFB 555 15			
bbX, tC, xB Start/Stop	03.12-	EFB 565 15			
FR-S (GT86) 2,0 Start/Stop	09.15-	EFB 565 15			
Skoda					
Citigo 1,0-1,4, CNG	09.11-		P42 08		
Fabia (6Y) 1,0-1,4	08.99-		PRO P50 40 P50 03	545 59	

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment

CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Fabia (6Y) 1,6-2,0	08.99-		PRO P63 40 P62 19	562 19	
Fabia (6Y) 1,4-1,9 SDI, TDI	08.99-		PRO P77 40 P74 12	572 12	
Fabia (6Y) 1,2-1,6 GreenLine Start/Stop**	04.10-	AGM 560 01 EFB 560 11			
Fabia (6Y) 2,0 GreenLine Start/Stop**	04.10-	AGM 560 01 EFB 560 11			
Fabia (6Y) 1,2-1,9 SDI, TDI GreenLine Start/Stop**	04.10-	AGM 570 01 EFB 570 11			
Favorit, Forman (781, 785, 787)	05.89-06.97		PRO P63 40 P62 19	562 19	
Felicia I, II (791, 795, 797, 6U1, 6U5) 1,3-1,6	10.94-06.01		PRO P50 40 P50 03	545 59	
Felicia I, II (791, 795, 797, 6U1, 6U5) 1,9 D	10.94-06.01		PRO P63 40 P62 19	562 19	
Karoq (NU7) 1,0-1,5 TSI GreenLine Start/Stop	07.17-	EFB 560 11 AGM 560 01			
Karoq (NU7) 1,6-2,0 TDI GreenLine Start/Stop	07.17-	EFB 570 11 AGM 570 01			
Kodiaq (NS7) 1,4 TSI GreenLine Start/Stop	10.16-	EFB 560 11 AGM 560 01			
Kodiaq (NS7) 2,0 TSI GreenLine Start/Stop	10.16-	EFB 570 11 AGM 570 01			
Kodiaq (NS7) 2,0 TDI GreenLine Start/Stop	10.16-	EFB 570 11 AGM 570 01			
Octavia (1U2, 1U5, 1Z3, 1Z5, 5E) 1,4-1,6, -Scout	09.96-		PRO P50 40 P50 03	545 59	
Octavia (1U2, 1U5, 1Z3, 1Z5, 5E) 1,8-2,0, -Scout	09.96-		PRO P63 40 P62 19	562 19	
Octavia (1U2, 1U5, 1Z3, 1Z5, 5E) 1,6-2,0 SDI, TDI, -Scout	09.96-		PRO P77 40 P74 12	572 12	
Octavia (1U2, 1U5, 1Z3, 1Z5, 5E) 1,4-1,6, -Scout Green Line Start/Stop**	04.10-	AGM 560 01 EFB 560 11			
Octavia (1U2, 1U5, 1Z3, 1Z5, 5E) 1,8-2,0, -Scout GreenLine Start/Stop**	04.10-	AGM 560 01 EFB 560 11			
Octavia (1U2, 1U5, 1Z3, 1Z5, 5E) 1,6-2,0 SDI, TDI, -Scout GreenLine Start/Stop**	04.10-	AGM 570 01 EFB 570 11			
Rapid 1,2-1,4	01.13-		PRO P50 40 P50 03		
Rapid 1,6 TDI	01.13-		PRO P77 40 P74 12		
Rapid 1,2-1,4 TSI GreenTec Start/Stop**	01.13-	AGM 560 01 EFB 560 11			
Rapid 1,6 TDI GreenTec Start/Stop**	01.13-	AGM 570 01 EFB 570 11			
Roomster, -Scout, -Praktik (5J) 1,2-1,4	03.06-		PRO P50 40 P50 03		
Roomster, -Scout, -Praktik (5J) 1,6	03.06-		PRO P63 40 P62 19		
Roomster, -Scout, -Praktik (5J) 1,2 SDI, TDI	03.06-		PRO P63 40 P62 19		
Roomster, -Scout, -Praktik (5J) 1,4-1,9 SDI, TDI	03.06-		PRO P77 40 P74 12		
Roomster, -Scout, -Praktik (5J) 1,2-1,6 GreenLine Start/Stop**	04.10-	AGM 560 01 EFB 560 11			
Roomster, -Scout, -Praktik (5J) 1,4-1,9 SDI, TDI GreenLine Start/Stop**	04.10-	AGM 570 01 EFB 570 11			
Superb (3U4, 3T4, 3T5) 1,4	02.02-		PRO P63 40 P62 19		
Superb (3U4, 3T4, 3T5) 1,8-2,8 V6	02.02-		PRO P77 40 P74 12		
Superb (3U4, 3T4, 3T5) 3,6 V6	02.02-		PRO P84 40 P80 14		

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Superb (3U4, 3T4, 3T5) 1,6 TDI	02.02-		PRO P77 40 P74 12		
Superb (3U4, 3T4, 3T5) 1,9-2,5 TDI	02.02-		PRO P84 40 P80 14		
Superb (3U4, 3T4, 3T5) 1,8-2,8 V6 GreenLine Start/Stop**	04.10-	AGM 570 01 EFB 570 11			
Superb (3U4, 3T4, 3T5) 1,6-2,5 TDI GreenLine Start/Stop**	04.10-	AGM 570 01 AGM 580 01			
Yeti (5L) 1,2	09.09-		PRO P50 40 P50 03		
Yeti (5L) 1,4-1,8	09.09-		PRO P63 40 P62 19		
Yeti (5L) 2,0 TDI	09.09-		PRO P77 40 P74 12		
Yeti (5L9) 1,2-1,8 GreenLine Start/Stop**	04.10-	AGM 560 01 EFB 560 11			
Yeti (5L) 2,0 TDI GreenLine Start/Stop**	04.10-	AGM 570 01 EFB 570 11			
Smart Car					
Smart forfour (454) 1,1-1,5	04.04-		PRO P50 40 P50 03	545 59	
Smart forfour (454) 1,5 CDI	04.04-		PRO P77 40 P74 12	572 12	
Smart forfour (454) Electric Drive 55-60 kW	07.09-		PRO P50 40 P50 03		
Smart formore 1,1-1,3	03.06-		PRO P50 40 P50 03		
Smart formore 1,5 CDI	03.06-		PRO P63 40 P62 19		
Smart fortwo (MC01, 450, 452, 453) 0,6-1,0 Crossblade, Roadster, -Coupé, City-Coupé, Cabrio	07.98-		PRO P50 40 P50 03	545 59	
Smart fortwo (MC01, 450, 452, 453) 0,8 CDI City-Coupé, Cabrio	07.98-		PRO P63 40 P62 19	562 19	
Smart fortwo (MC01, 450, 452, 453) 1,0; 0,8 CDI Start/Stop**	07.09-	AGM 560 01 EFB 560 11			
Smart fortwo (MC01, 450, 452, 453) Electric Drive 55-60 kW	07.09-		PRO P50 40 P50 03		
SMT					
Trike 1,6-5,0	01.99-		PRO P50 42 P44 09	544 09	
SsangYong					
Actyon (QJ) 2,3 4x4; 200 Xdi, 2,0 Xdi Sports	10.06-		P95 05		
Actyon (QJ) 2,3; 2,0 Xdi	10.06-		P70 24		
Chairman (HAT) 2,3	07.97-		P70 24		
Chairman (HAT) 2,8-3,2	07.97-		P95 05		
Family	96-		P60 69		
Family D, TD	93-		P95 05		
Istana 2,3; 2,9 D	06.95-		P95 05		
Kallista 2,9 i V6	01.93-		P45 24		
Korando (K3, K4, KJ) 2,0-3,2; 2,3-2,9 D, TD TDiC	12.88-		P95 05		
Kyron 2,0-2,7 Xdi	06.05-		P95 05		
Musso (FJ) 2,0-3,2	10.95-		P60 68		
Musso (FJ) 2,3-2,9 D, TD, TDiC	10.95-		P95 05		
Rexton (GAB) 2,3-3,2; 2,7-2,9 Xdi, D, TD	04.02-		P95 05		
Rodius 2,7 Xdi	01.05-		P95 05		
Stavic 2,7-3,2 sXDi	02.05-		P95 05		
Tivoli 1,6	03.15-		P60 68		
Tivoli 1,6 XDI 160	03.15-		P70 29 P80 09		

* with base hold-down adapter Art.No. 305002030101

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CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Tivoli 1,6 Start/Stop	03.15-	EFB 565 15			
Tivoli 1,6 XDI 160 Start/Stop	03.15-	EFB 570 15			
XLV 160 e-XGI	04.16-		P60 68		
XLV 160 e-XDI	04.16-		P70 29 P80 09		
XLV 160 e-XGI Start/Stop	04.16-	EFB 565 15			
XLV 160 e-XDI Start/Stop	04.16-	EFB 570 15			
Subaru					
BRZ (GT86) 2,0	09.12-		P60 68		
Forester (SF) 2,0-2,5	08.97-09.02		P60 68		
Forester (SG) 2,0-2,5	09.02-		PRO P63 40 P62 19	562 19	
Forester (SG, SH) 2,0-2,5	01.08-		P60 68		
Forester (SH) 2,0 D	01.08-		P95 04		
Forester (SJ) 2,0-2,5; 2,0 D Start/Stop	01.12-	EFB 565 15			
Forester (SJ) 2,0 D, X, XT	01.13-		P70 29 P80 09		
Impreza (GD, GF, GG) 1,6-2,5	12.00-		P60 68		
Impreza (GD, GF, GG) 2,0 D	12.08-		P70 29 P80 09		
Impreza (GD, GF, GG) 2,0 WRX STi	12.00-		PRO P63 40 P62 19	562 19	
Impreza (GFC, GC, GF) 1,6-2,0	08.92-12.00		P60 68		
Impreza (GR) Hatchback 1,5-2,5	01.08-		P60 68		
Impreza (GR) Hatchback 2,0 D	01.08-		P95 04		
Impreza 1,6-2,0 Start/Stop	03.12-	EFB 565 15			
Impreza 2,0 D	03.12-		P95 04		
Justy I (KAD) 1,0-1,2	11.83-10.95		P40 26		
Justy II (JMA; MS) 1,3	10.95-11.03		P45 23		
Justy III (G3X) 1,3-1,5	09.03-		PRO P50 42 P44 09	544 09	
Justy IV 1,0	01.07-12.11		PRO P50 42 P44 09		
Justy IV 1,0	01.07-12.11		P40 26		
Justy IV 1,3 AWD	01.07-12.11		P45 24		
Legacy I, II, III, IV, V (BC, BJFM BDM, BG, BE, BH) 1,6-3,0	01.89-		P60 68		
Legacy IV, V (BE, BH) 2,0 D	09.03-		P95 04		
Levorg 1,6 AWD Start/Stop	09.15-	EFB 565 15			
Outback I, II, III, IV (BE, BH, BL, BP, BM, BR) 2,0-3,6	01.00-		P60 68		
Outback III, IV (BL, BP, BM, BR) 2,0 D	09.03-		P70 29 P80 09		
Outback III, IV (BL, BP, BM, BR) 2,0 D	09.03-		P95 04		
Outback V 2,0-3,6 Start/Stop	03.15-	EFB 565 15			
Outback V 2,0 D Start/Stop	03.15-	EFB 595 15			
SVX (CX) 3,3 i	09.92-12.97		P60 69		
Trezia 1,3-1,5; 1,4 D	03.11-		P70 29 P80 09		
Trezia 1,3-1,5; 1,4 D Start/Stop	03.11-	EFB 560 11 AGM 560 01			
Tribeca (B9) 3,0-3,6	01.05-		P60 68		
Vivio 0,7 660	03.92-10.95		P40 26		
WRX 2,5 Sti	06.14-		P60 68		
XV 1,6-2,0	12.11-		P60 68		
XV 2,0 D	12.11-		P95 04		
XV 1,6-2,0 Start/Stop	12.11-	EFB 565 15			
XV 2,0 D Start/Stop	12.11-	EFB 595 15			
Suzuki					
Alto II, III (EC, EF) 0,5-1,0	01.86-06.02		P40 26		
Alto IV, V (FF, GF) 0,5-1,0	06.02-		P45 23		
Alto IV (GF) 1,0	01.09-		P40 25		
Alto IV Eco (GF) 1,0 Start/Stop	01.09-	AGM 560 01			
Baleno (EG) 1,3-1,6	07.95-		P40 27		

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Baleno (EG) 1,8	07.95-		P45 24		
Baleno (EG) 1,9 TD	07.95-		P70 29 P80 09		
Baleno Schrägheck, Kombi (EG) 1,9 TD	07.95-		P70 29 P80 09		
Cappuccino (EA) 0,7	08.93-08.95		P40 27		
Carry (FD) 1,3	02.99-		P40 27		
Celerio 1,0	11.14-		P40 26		
Celerio 1,0 Eco Start/Stop	11.14-	AGM 560 01			
Grand Vitara I, II (FT, GT, JB) 1,3-2,7	03.98-		P60 68		
Grand Vitara I, II (FT, GT, JB) 1,9 DDiS, 2,0 TD, HDi; 3,2	03.98-		P95 04		
Ignis I, II (FH) 1,3-1,5	10.00-09.03		PRO P50 42 P44 09	544 09	
Ignis II 1,3	09.03-		P45 23		
Ignis II 1,3 DDiS	09.03-		PRO P77 42 P72 09	570 44	
Jimny (FJ) 0,7-1,3	09.98-		P45 24 P45 23		
Jimny (FJ) 1,5 DDiS	09.98-		P60 68		
Kizashi (FR) 2,4	09.10-		P70 29 P80 09		
Liana (ER) 1,3-2,3	07.01-12.07		P45 23		
Liana (ER) 1,4 DDiS	07.01-12.07		P70 29 P80 09		
Samurai (SJ) 1,0-1,3	11.88-12.04		P40 27		
Samurai (SJ) 1,9 TD	11.88-12.04		P70 29 P80 09		
Swift I, II (AA/AB/AH/AJ, EA, MA) 1,0-1,6	10.83-05.01		P40 27		
Swift II Cabriolet (SF413) 1,3	09.91-10.96		P40 27		
Swift III (MZ, EZ) 1,3 (66 kW)	02.05-		P40 27		
Swift III (MZ, EZ) 1,3 (68 kW) - 1,6	02.05-		PRO P50 42 P44 09		
Swift III (MZ, EZ) 1,3 DDiS	02.05-		PRO P63 42 P60 09		
Swift IV (FZ, NZ) 1,2 (66 kW) - 1,6	09.10-		PRO P50 40 P50 03		
Swift IV (FZ, NZ) 1,2 (69 kW)	09.10-		PRO P63 40 P62 19		
Swift IV (FZ, NZ) 1,2-1,6, 1,3 DDiS Start/Stop****	09.10-	AGM H4 EFB H4			
Splash 1,0-1,2	03.08-		PRO P50 42 P44 09		
Splash 1,3 DDiS	03.08-		PRO P63 42 P60 09		
Splash 1,0-1,2 Start/Stop	03.08-	AGM 560 01			
SX4 (GY) 1,3-2,0 Saloon	04.06-		PRO P63 42 P60 09		
SX4 (GY) 1,6-2,0 DDiS	04.06-		PRO P77 40 P74 12 P40 27		
Vitara (ET, TA) 1,6	07.88-10.02		P45 24		
Vitara (ET, TA) 2,0-2,5	07.88-10.02		P70 29 P80 09		
Vitara (ET, TA) 1,9-2,0 D, TD, DDiS	07.88-10.02		P70 29 P80 09		
Wagon R+ (EM) 1,0-1,2	02.98-05.00		P40 26		
Wagon R+ (EM) 1,2 4WD, 1,3 VVTi	02.98-05.00		PRO P50 42 P44 09	544 09	
Wagon R+ (MM) 0,7-1,3; 1,3 DDiS	05.00-		P40 26		
Wagon R+ (MM) 1,3 4WD	05.00-		PRO P50 42 P44 09	544 09	
X-90 (EL) 1,6	09.95-12.97		P40 26		
Tata					
Indica	01.99-		P60 69		
Indigo (4V2) 1,4; 1,4 D, TD	01.03-		P60 68		
Nano 0,6	03.09-		P40 26		
Pickup Telcoline TDI, 3x3	01.99-		P95 05		

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CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Safari 3x3	01.99-		P95 05		
Tatra					
613	03.75-09.95			077 18	
700	03.96-		PRO P100 40 P95 33	595 33	
Telco 307D, TDi	03.96-		PRO P100 40 P95 33	595 33	
Telco, Telcoline, -sport	03.93-		PRO P77 40 P74 12	572 12	
Tesla					
3, Roadster, S, Y, X - alle Modelle/all models****	07.06-	33Ah AGM			
Toyota					
4 Runner (N130) 2,4-3,0	08.87-03.96		P70 24		
4 Runner (N130) 2,4 Turbo-D	08.87-03.96		P70 24		
4 Runner (N130) 3,4 4x4	08.87-03.96		P95 05		
4 Runner (N130) 2,8-3,0 Turbo-D, TDi	08.87-03.96		P95 05		
Auris 1,33-1,8 (Jap. assy.)	03.07-		PRO P63 40 P62 19		
Auris 1,4-2,2 D-4D (UK assy.)	03.07-		PRO P77 40 P74 12		
Auris 1,33-1,8 (Jap. assy.) Start/Stop**	12.08-	EFB 560 11 AGM 560 01			
Auris 1,4-2,2 D-4D (UK assy.) Start/Stop**	12.08-	EFB 570 11 AGM 570 01			
Auris 1,8 Hybrid	01.12-		P40 25		
Avenis (T22, T25, T27) 1,6-2,4	09.97-		PRO P63 40 P62 19	562 19	
Avenis (T22, T25, T27) 2,0 TD, D-4D	09.97-		PRO P77 40 P74 12	572 12	
Avenis (T25, T27) 2,2 D-4D, D-CAT	04.03-		PRO P84 40 P80 14		
Avenis Verso 2,0 D4-D	08.01-		P95 04		
Avenis Verso 2,0-2,4 VVT-i	08.01-		P60 68		
Aygo (B10, WNB1, KGB1) 1,0	06.05-		PRO P50 40 P50 03		
Aygo (B10, WNB1, KGB1) 1,4 HDi	06.05-		PRO P50 40 P50 03		
C-HR (NGX) 1,2	10.16-		P40 25		
C-HR (ZYX10) 1,8 Hybrid	10.16-		P45 23 P60 68		
C-HR (NGX) 1,2 Start/Stop	10.16-	EFB 538 15			
C-HR (ZYX10) 1,8 Hybrid Start/Stop**	10.16-	EFB 555 15 EFB 565 15			
C-HR (NGX) 1,2 Start/Stop (TR Assembly)**	10.16-	EFB 560 11 AGM 560 01			
C-HR (ZYX10) 1,8 Hybrid Start/Stop (TR Assembly)**	10.16-	EFB 570 11 AGM 570 01			
Camry (V1, V10) 1,8-3,0	06.91-08.96		P60 68		
Camry (V20) 2,2-3,0	08.96-11.01		P60 68		
Camry (V30, V40, XV) 2,0-3,5 V6	11.01-		P70 29 P80 09		
Camry Saloon (XV5) 2,0	01.11-		PRO P77 40 P74 12		
Camry Saloon (XV5) 2,5-3,5	01.11-		P70 24		
Carina E (T19) 1,5-2,0	03.92-09.97		P60 68		
Carina E (T19) 2,0 D	03.92-09.94		P95 04		
Carina E (T19) 2,0 D, TD	10.94-09.97		PRO P77 40 P74 12	572 12	
Celica 1,6-2,2 (T16, ST16, T16F, T18, T20)	08.85-11.99		P45 23		
Celica 1,8 (ZZT23)	11.99-03.06		P60 68		
Corolla (E10, E11) - Verso 1,3-2,0	07.92-01.02		P60 68		
Corolla (E10, E11) - Verso 1,9-2,0 D-4D, D-CAT	07.92-01.02		P95 04		
Corolla (E11) - Verso 1,4 D4D, 2,0 D4D	04.97-01.02		PRO P77 40 P74 12	572 12	

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Corolla (E12, ZER, ZZE, R1) 1,4-2,0 D-4D; Verso	01.02-		PRO P77 40 P74 12	572 12	
Corolla (E12, ZER, ZZE, R1) 1,4-2,0 VVT-i, VTL-i TS; Verso	01.02-		PRO P63 40 P62 19	562 19	
Corolla (E12, ZER, ZZE, R1) 2,2 D-4D; Verso	04.04-		PRO P84 40 P80 14	580 14	
Corolla (E12) 1,4-2,0 D-4D; Verso Start/Stop**	12.09-	EFB 570 11 AGM 570 01			
Corolla (E12) 1,4-2,0 VVT-i, VTL-i TS; Verso Start/Stop**	12.09-	EFB 560 11 AGM 560 01			
Corolla (E12) 2,2 D-4D; Verso Start/Stop**	12.09-	EFB 570 11 AGM 570 01			
Corolla Saloon (NRE, ZRE, NDE18) 1,33-1,8 VVTi	01.13-		P60 69		
Dyna 100 D	03.97-		P70 29 P80 09		
Dyna 100, 150	03.89-		P70 24		
Dyna 2,5-4,6 D4D	08.01-		P95 04		
FJ Cruiser (GSJ1) 4,0			P70 29 P80 09		
GT 86 2,(ZN6) 0	09.12-		P60 68		
Hi-ACE III Wagon (LH1, RZH1) 2,4	08.89-12.04		P70 24		
Hi-ACE III Wagon (LH1, RZH1) 2,4 D, 2,8 D	08.89-12.04		P95 05		
Hi-ACE III Wagon (LH1, RZH1) 3,0 D	08.89-12.04		P60 69		
Hi-ACE III Box (YH7, LH6, LH7, LH5, YH5, YH6) 2,0	08.89-12.04		P60 69		
Hi-ACE III Box (YH7, LH6, LH7, LH5, YH5, YH6) 2,4 D 4WD	08.89-12.04		P95 05		
Hi-ACE IV (TRH2, KDH2) 2,5 D-4D, 3,0 D	08.04-		P95 05		
Hi-ACE IV (TRH2, KDH2) 2,7 VVTi	08.04-		P70 24		
Hi-ACE IV Box (TRH2, KDH2) 2,5 D-4D (75kW)	08.04-		P95 05		
Hi-ACE IV Box (TRH2, KDH2) 2,5 D-4D (70kW), 2,7 VVTi	08.04-		P70 24		
Hi-ACE IV Bus (LH1) 2,4 D, 2,4 TD, 4WD	08.95-		P70 29 P80 09		
Hi-ACE IV Bus (LH1) 2,4, 2,5 D-4D	08.95-		P60 69		
Hi-ACE IV Bus (LH1) 2,5 D-4D 4WD	08.95-		P95 05		
Hi-ACE IV Bus (LH1) 2,7 4WD	08.95-		P70 24		
Hi-ACE IV Box (LH1) 2,4 D, 2,4 TD 4WD, 2,5 D-4D (65/75/86 kW), 4WD	08.95-		P70 29 P80 09		
Hi-ACE IV Box (LH1) 2,4	08.95-		P60 69		
Hi-ACE IV Box (LH1) 2,4 TD, 2,5 D-4D (70 kW), 2,7	08.95-		P70 24		
IQ (AJ1, KGJ1, NGJ1) 1,0; 1,33	03.09-12.14		P45 24		
IQ (AJ1, KGJ1, NGJ1) 1,33 Start/Stop**	03.09-12.14	EFB 560 11 AGM 560 01			
IQ (AJ1, KGJ1, NGJ1) 1,33 Start/Stop	03.09-12.14	EFB 565 15			
IQ (AJ1, KGJ1, NGJ1) 1,4 D-4D	03.09-12.14		P70 24		
Landcruiser (J7) 2,4 (77 kW)	11.84-05.96		P70 29 P80 09		
Landcruiser (J7) 2,4 (84 kW), 2,4 D (53 kW), 2,4 TD (63 kW), 3,0 TD (92 kW)	11.84-05.96		P95 05		
Landcruiser (J7) 2,4 TD (66 kW), 2,5 TD (85 kW), 3,4 D, TD, 4,2 TD	11.84-		P95 04		
Landcruiser 300 3,0L D4-D	01.10-		P95 04		
Landcruiser 300 4,0 V6 VVT-i	01.10-		P60 68		

* with base hold-down adapter Art.No. 305002030101

** Please check the original battery, as differing battery sizes and technologies may be installed. The battery choice depends primarily upon the electrical extras. (VRLA=AGM, AFB/ECM=EFB)

*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment



CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Landcruiser 80 (J8) 3,5 FRT, 4,5, 3,0-4,2 TD	01.90-12.97		P95 04		
Landcruiser 80 (J8) 4,0	01.90-12.97		P95 05		
Landcruiser 90 (J9) 3,0 TD, D-4D, 4,2 TD	04.96-		P95 04		
Landcruiser 90 (J9) 2,4-4,7	04.96-		P60 68		
Landcruiser 100 (J10) 4,2 TD, 4,7	01.98-		P95 04		
Landcruiser (J12) 2,7-4,0; 3,0 D-4D	01.03-		P95 04 P95 05 P70 29 P70 24		
Mirai FCV (JPD)	10.14-		P40 25		
MR2 (W1, W2) 1,6-2,0	12.83-05.00		P45 23		
MR2 (W3) 1,8	04.00-		P60 68		
Paseo (EL53, EL54) 1,5 16V	03.96-07.99		P60 69		
Picnic (XM10) 2,0 (90 kW)	05.96-12.01		P45 23		
Picnic (XM10) 2,0 16V (94 kW)	05.96-12.01		P60 68		
Picnic (XM10) 2,2 D	05.96-12.01		P95 04		
Previa (TCR1, 2) 2,0 D-4D; 2,4	05.90-08.00		P60 68		
Previa (ACR3) 2,4-3,0	08.00-01.06		P60 68		
Previa (ACR3) 2,0 D-4D	08.00-01.06		P95 04		
Prius (NHW11) 1,5-1,8 VVT-i Hybrid	05.00-01.04		P40 26		
Prius (NHW20) 1,5-1,8 Hatchback	08.03-03.09		P45 24		
Prius I, II (ZVW3/4, NHP10, NHW20) 1,5-1,8 Plug-in Hybrid 30-33 kW, 50 kW	01.03-		P40 25		
Prius III, IV (NHW20, ZVW30) 1,5-1,8 Plug-in Hybrid 53-68 kW	01.09-	EFB 555 15			
RAV 4 I (SXA1_) 2,0 16V	01.94-09.00			545 77	
RAV 4 I Cabrio (SXA1_) 2,0 16V	12.97-06.00		P45 23		
RAV 4 II (XA2) 1,8-2,4 VVTi	06.00-01.06		P60 68		
RAV 4 II (XA2) 2,0 D-4D	06.00-01.06		P95 04		
RAV 4 III, IV (ACA_, ACE_, LA_) 2,0-2,4 VVTi	11.05-		P60 68		
RAV 4 III, IV (ACA_, ACE_, LA_) 3,5 VVTi	11.05-		P70 29 P80 09		
RAV 4 III, IV (ACA_, ACE_, LA_) 2,2 D-4D, D-CAT	11.05-		P95 04		
Starlet (EP91) 1,3	04.96-10.99		P40 27		
Starlet (P8) 1,0-1,3	12.89-03.96		P45 24		
Starlet (P8) 1,5 D	12.89-03.96		P60 68		
Supra (MA70, JZA80) 3,0	01.86-08.98		P70 29 P80 09		
Tercel (L1, L2, AL2)	01.88-03.97		P45 24		
Urban Cruiser (NSP, NLP, ZSP, NCP) 1,3 VVT-i (73 kW)	04.09-		P45 23		
Urban Cruiser (NSP, NLP, ZSP, NCP) 1,3 VVT-i (73 kW) Start/Stop**	04.09-	EFB 560 11 AGM 560 01			
Urban Cruiser (NSP, NLP, ZSP, NCP) 1,33 VVT-i (74 kW), 1,4 D-4D	04.09-		P60 68		
Urban Cruiser (NSP, NLP, ZSP, NCP) 1,33 VVT-i (74 kW), 1,4 D-4D Start/Stop	04.09-	EFB 565 15			
Verso-S (AUR2, ZGR2) 1,6-1,8	01.09-		PRO P63 40 P62 19		
Verso-S (AUR2, ZGR2) 2,0-2,2 D-4D	01.09-		PRO P84 40 P80 14		
Verso-S (AUR2, ZGR2) 1,6-1,8 Start/Stop**	01.09-	EFB 560 11 AGM 560 01			
Verso-S (AUR2, ZGR2) 2,0-2,2 D-4D Start/Stop**	01.09-	EFB 570 11 AGM 570 01			

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Yaris (CP10) 1,0 (48 kW)-1,3 (64 kW)	04.99-06.06		PRO P50 42 P44 09	544 09	
Yaris (CP10) 1,0 (50 kW)	04.99-06.06			545 79	
Yaris (CP10) 1,3 16V (63 kW)-1,5 TS (77 kW)	04.99-06.06		P45 24		
Yaris (CP10) 1,4 D-4D (55 kW)	12.01-06.05		P60 69		
Yaris (CP10) 1,4 D-4D (55 kW)	07.05-		PRO P63 40 P62 19		
Yaris (CP10) 1,5 VVT-i TS (78 kW)	04.99-06.06		P45 24		
Yaris (CP10) 1,5 VVT-i TS (110 kW)	04.99-06.06		PRO P50 40 P50 03	545 59	
Yaris (XP9) 1,0-1,3 VVT-i	11.05-06.11		PRO P50 40 P50 03		
Yaris (XP9) 1,0-1,33 VVT-i Start/Stop**	06.09-	EFB 560 11 AGM 560 01			
Yaris (XP9) 1,5 (80kW)	11.05-		PRO P50 42 P44 09		
Yaris (XP9) 1,8 VVTi	11.05-		PRO P63 40 P62 19		
Yaris (XP9) 1,4 D-4D	11.05-		PRO P63 40 P62 19		
Yaris Verso (NC/LP2) 1,3 (62 kW)	11.99-09.05			560 08	
Yaris Verso (NC/LP2) 1,3 (63 kW) -1,5 (77/78 kW)	11.99-09.05		P45 24		
Yaris Verso (NC/LP2) 1,4 D-4D	11.99-09.05		P60 69		
Yaris (XP13) 1,0-1,3	12.10-		PRO P63 40 P62 19		
Yaris (XP13) 1,5 Plug-in Hybrid Start/Stop	12.10-	EFB 555 15	P40 27		
Yaris (XP13) 1,4 D-4D	12.10-		PRO P77 40 P74 12		
TVR					
Cerbera, Chimaera 4,0-5,0	11.92-10.03		PRO P63 42 P60 09	560 09	
Griffith, S, Speed Eight, Tuscan II Roadster 2,8-5,0	01.86-07.06		P70 24		
Volkswagen					
Amarok 2,0	08.10-		PRO P77 40 P74 12		
Amarok 2,0 TDI, BiTDI	08.10-		PRO P100 40 P95 33		
Amarok 2,0 BlueMotion Start/Stop**	03.11-	AGM 570 01 EFB 570 11			
Amarok 2,0 TDI, BiTDI BlueMotion Start/Stop	03.11-	AGM 592 01			
Arteon (3H7) 1,5 TSI BlueMotion Start/Stop	03.17-	EFB 560 11 AGM 560 01			
Arteon (3H7) 2,0 TSI BlueMotion Start/Stop	03.17-	EFB 570 11 AGM 570 01			
Arteon (3H7) 2,0 TDI SCR BlueMotion Start/Stop	03.17-	EFB 570 11 AGM 570 01			
Beetle (9C1, 1C1, 1Y7) 1,4-2,5	01.98-		PRO P63 40 P62 19	562 19	
Beetle (9C1, 1C1, 1Y7) 3,2 RSI	01.98-		PRO P77 40 P74 12	572 12	
Beetle (9C1, 1C1, 1Y7) 1,9 TDI	01.98-		PRO P77 40 P74 12	572 12	
Beetle (5C) 1,2-1,4 TSI Start/Stop**	01.11-	AGM 560 01 EFB 560 11			
Beetle (5C) 2,0 TSI, 1,6-2,0 TDI Start/Stop**	01.11-	AGM 570 01 EFB 570 11			
Bora (1J2, 1J6) 1,4-1,6	10.98-05.05		PRO P50 40 P50 03	545 59	
Bora (1J2, 1J6) 1,8-2,8	10.98-05.05		PRO P63 40 P62 19	562 19	
Bora (1J2, 1J6) 1,9 SDI, TDI	10.98-05.05		PRO P77 40 P74 12	572 12	

CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Caddy I, II (14, 9K9, 9U7) 1,3-1,8	08.82-01.04		PRO P63 40 P62 19	562 19	
Caddy I, II (13, 9K9, 9U7) 1,6-1,9 D, SDI, TDI	08.82-01.04		PRO P77 40 P74 12	572 12	
Caddy III (2KB, 2KJ, 2KA, 2KH) 1,4-2,0	03.04-		PRO P63 40 P62 19	562 19	
Caddy III (2KB, 2KJ, 2KA, 2KH) 1,6-2,0 SDI, TDI	03.04-		PRO P77 40 P74 12	572 12	
Caddy III (2KB, 2KJ, 2KA, 2KH) 1,4-2,0 Start/Stop**	03.04-	AGM 560 01 EFB 560 11			
Caddy III (2KB, 2KJ, 2KA, 2KH) 1,6-2,0 SDI, TDI Start/Stop**	03.04-	AGM 570 01 EFB 570 11			
Caravelle, -VR6 2,0	01.00-		PRO P63 40 P62 19	562 19	
Caravelle 2,0 TDI, BiTDI	01.00-		PRO P100 40 P95 33	595 33	
Corrado (53I) 1,8-2,9 VR6	08.87-12.95		PRO P63 40 P62 19	562 19	
Crafter (2E, 2F) 2,5 TDI 65-80kW	04.06-		PRO P77 40 P74 12		
Crafter (2E, 2F) 2,5 TDI 100-125kW	04.06-		PRO P100 40 P95 33		
Crafter (2E, 2F) 2,5 TDI 65-80kW BlueMotion Start/Stop**	05.10-	AGM 570 01 EFB 570 11			
Crafter (2E, 2F) 2,5 TDI 100-125kW BlueMotion Start/Stop	05.10-	AGM 592 01			
Eos 1,4-2,0 FSI, TSI, TFSI	07.06-		PRO P63 40 P62 19		
Eos 3,2-3,6 V6	07.06-		PRO P77 40 P74 12		
Eos 2,0 TDI	07.06-		PRO P77 40 P74 12		
Eos 1,4-2,0 FSI, TSI, TFSI BlueMotion Start/Stop**	07.06-	AGM 560 01 AGM 570 01			
Eos 3,2-3,6 V6 BlueMotion Start/Stop**	07.06-	AGM 570 01 EFB 570 11			
Eos 2,0 TDI BlueMotion Start/Stop**	07.06-	AGM 570 01 EFB 570 11			
Fox (SZ1) 1,0-1,4	03.06-		PRO P50 40 P50 03		
Fox (SZ1) 1,6	03.06-		PRO P63 40 P62 19		
Fox (SZ1) 1,4 D, SDI, TDI	03.06-		PRO P63 40 P62 19		
Fox (SZ1) 1,9 D, SDI, TDI	03.06-		PRO P77 40 P74 12		
Golf, -Cross III, IV (1H1, 1H5, 1E7, 1J1, 1J5, 1E7) 1,0-1,6 Plus, FSI, TSI	08.91-06.06		PRO P50 40 P50 03	545 59	
Golf, -Cross III, IV (1H1, 1H5, 1E7, 1J1, 1J5, 1E7) 1,8-3,2; GTI Plus, FSI, TSI	08.91-06.06		PRO P63 40 P62 19	562 19	
Golf, -Cross III, IV (1H1, 1H5, 1E7, 1J1, 1J5, 1E7) 1,6 Bifuel	08.91-06.06		PRO P77 40 P74 12	572 12	
Golf, -Cross III, IV (1H1, 1H5, 1E7, 1J1, 1J5, 1E7) 1,9-2,5 GTD, SDI, TDI Plus	08.91-06.06		PRO P77 40 P74 12	572 12	
GolfV, VI (1K1, 1K5, 5K1, AJ5, 5M1, 521) 1.0 Plus	10.03-		PRO P50 40 P50 03	545 59	
GolfV, VI (1K1, 1K5, 5K1, AJ5, 5M1, 521) 1.2-1,6 Plus	10.03-		PRO P63 40 P62 19	562 19	
GolfV, VI (1K1, 1K5, 5K1, AJ5, 5M1, 521) 1,8-2,0 FSI, GTI Plus	10.03-		PRO P77 40 P74 12	572 12	
GolfV, VI (1K1, 1K5, 5K1, AJ5, 5M1, 521) 1,8 Hybrid Plus	10.03-		PRO P77 40 P74 12	572 12	
GolfV, VI (1K1, 1K5, 5K1, AJ5, 5M1, 521) 2,5-3,2 FSI VR5, R32	10.03-		PRO P77 40 P74 12	572 12	

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
GolfV, VI (1K1, 1K5, 5K1, AJ5, 5M1, 521) 1,6 SDI, TDI Plus	10.03-		PRO P77 40 P74 12	572 12	
GolfV, VI (1K1, 1K5, 5K1, AJ5, 5M1, 521) 1,9-2,0 SDI, TDI Plus	10.03-		PRO P77 40 P74 12	572 12	
GolfV, VI (1K1, 1K5, 5K1, AJ5, 5M1, 521) 1,8-2,0 FSI, GTI BlueMotion Start/Stop**	10.03-	AGM 570 01 EFB 570 11			
GolfV, VI (1K1, 1K5, 5K1, AJ5, 5M1, 521) 1,2-1,6 Plus BlueMotion Start/Stop**	10.03-	AGM 560 01 EFB 560 11			
GolfV, VI (1K1, 1K5, 5K1, AJ5, 5M1, 521) 2,5-3,2 FSI VR5, R32 BlueMotion Start/Stop**	10.03-	AGM 580 01 EFB 580 11			
GolfV, VI (1K1, 1K5, 5K1, AJ5, 5M1, 521) 1,6 SDI, TDI BlueMotion Start/Stop**	10.03-	AGM 570 01 EFB 570 11			
GolfV, VI (1K1, 1K5, 5K1, AJ5, 5M1, 521) 1,9-2,0 SDI, TDI BlueMotion Start/Stop	10.03-	AGM 580 01 EFB 580 11			
GolfVII (5G1, BA5) 1,2-1,4 TSI BlueMotion	11.12-		PRO P63 40 P62 19		
GolfVII (5G1, BA5) 1,6 TDI BlueMotion, 4Motion	11.12-		PRO P77 40 P74 12		
GolfVII (5G1, BA5) 2,0 R 4, GTI, GTD, 2,0 TDI BlueMotion, 4Motion	11.12-		PRO P77 40 P74 12		
GolfVII (5G1, BA5) 1,2-1,4 TSI BlueMotion Start/Stop**	11.12-	AGM 560 01 EFB 560 11			
GolfVII (5G1, BA5) 1,6 TDI BlueMotion, 4Motion Start/Stop**	11.12-	AGM 570 01 EFB 570 11			
GolfVII (5G1, BA5) 2,0 R 4, GTI, GTD, 2,0 TDI BlueMotion, 4Motion Start/Stop**	11.12-	AGM 570 01 EFB 570 11			
GolfVII (5G1, BA5) e-Golf 85-100 kW**	02.14-	AGM 560 01 AGM 570 01			
GolfVII (AU) e-Golf 85-100 kW**	02.16-	EFB 560 11 AGM 560 01			
GolfVII (AU) e-Golf GTE 85-100 kW	08.12-		PRO P50 40 P50 03		
GolfVII (AU) e-Golf GTE M 85-100 kW**	08.12-	AGM 560 01 EFB 560 11			
Golf Variant e-Golf 85-100 kW	08.12-	AGM 560 01			
Jetta III (1K2) 1,4-1,6 TSI	08.05-10.10		PRO P63 40 P62 19		
Jetta III (1K2) 2,0-2,5 FSI	08.05-10.10		PRO P77 40 P74 12		
Jetta III (1K2) 1,9-2,0 TDI	08.05-10.10		PRO P77 40 P74 12		
Jetta IV (162) 1,2 TSI; 1,6 TDI BlueMotion Start/Stop**	04.10-	AGM 570 01 EFB 570 11			
LT 28-35 I, II (281-363, 2DM) 2,0-2,4	03.75-03.96		PRO P63 40 P62 19	562 19	
LT 28-35 I, II (281-363, 2DM) 2,3-2,8 D, SDI, TDI	03.75-03.96		PRO P100 40 P95 33	595 33	
LT 28-46 II (2DX0AE) 2,3	03.96-		PRO P77 40 P74 12	572 12	
LT 28-46 II (2DX0AE) 2,5 SDI, TDI	03.96-		PRO P100 40 P95 33	595 33	
LT 40-55 I, II 2,4	03.75-06.96		PRO P77 40 P74 12	572 12	
LT 40-55 I, II 2,4 D, TD	03.75-06.96		PRO P100 40 P95 33	595 33	
Lupo (6X1, 6E1) 1,0-1,4	03.98-07.05		PRO P50 40 P50 03	545 59	
Lupo (6X1, 6E1) 1,2-1,7 SDI, TDI	03.98-07.05		PRO P77 40 P74 12	572 12	

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment



CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Lupo (6X1, 6E1) 1,6 GTI	03.98-07.05		PRO P63 40 P62 19	562 19	
Multivan (7HM, 7HF) 2,0	05.03-		PRO P77 40 P74 12		
Multivan (7HM, 7HF) 3,0-3,2	05.03-		PRO P84 40 P80 14		
Multivan (7HM, 7HF) 1,9-2,5 TDI, BiTDI	05.03-		PRO P100 40 P95 33		
Multivan (7HM, 7HF) 2,0-3,2 BlueMotion Start/Stop**	05.11-	AGM 570 01 EFB 570 11			
Multivan (7HM, 7HF) 1,9-2,5 TDI, BiTDI Blue-Motion Start/Stop	05.11-	AGM 592 01			
New Beetle (9C1, 1C1, 1Y7) 1,4-2,3, 1,9 TDI	01.98-		PRO P63 40 P62 19		
Passat (32B, 35I) 1,3-2,2*	08.80-05.97		PRO P63 40 P62 19	562 19	
Passat (32B, 35I) 1,6-1,9 TD, SDI, TDI*	08.80-05.97		PRO P77 40 P74 12	572 12	
Passat (32B, 35I) 2,8-2,9*	08.80-05.97		PRO P77 40 P74 12	572 12	
Passat (3B2, 3B5, 3B3, 3B6) 1,6-1,8	08.96-05.05		PRO P50 40 P50 03	545 59	
Passat (3B2, 3B5, 3B3, 3B6) 2,0-2,3	08.96-05.05		PRO P63 40 P62 19	562 19	
Passat (3B2, 3B5, 3B3, 3B6) 2,8-2,9	08.96-05.05		PRO P63 40 P62 19	562 19	
Passat (3B2, 3B5, 3B3, 3B6) 1,9-2,5 SDI, TDI	08.96-05.05		PRO P77 40 P74 12	572 12	
Passat (3B5, 3B3, 3B6) 4,0 W8	08.96-05.05		PRO P77 40 P74 12	572 12	
Passat (3C2, 3C5) 1,4 TSI BlueMotion Start/Stop	03.05-	AGM 570 01			
Passat (3C2, 3C5) 1,6-2,0 FSI, TSI, TFSI	03.05-		PRO P77 40 P74 12		
Passat (3C2, 3C5) 3,2-3,6 FSI	03.05-		PRO P77 40 P74 12		
Passat (3C2, 3C5) 1,9-2,0 TDI	03.05-		PRO P77 40 P74 12		
Passat (3C2, 3C5) 1,4 TSI BlueMotion Start/Stop**	02.10-	AGM 570 01 EFB 570 11			
Passat (3C2, 3C5) 1,6-2,0 TDI BlueMotion Start/Stop**	02.10-	AGM 580 01 EFB 580 11			
Passat (3C2, 3C5) 3,2-3,6 FSI BlueMotion Start/Stop**	08.05-	AGM 580 01 EFB 580 11			
Passat CC (357, 358) 1,4-1,8 TSI	06.08-		PRO P63 40 P62 19		
Passat CC (357, 358) 2,0 TSI	06.08-		PRO P77 40 P74 12		
Passat CC (357, 358) 1,9-2,0 TDI	06.08-		PRO P77 40 P74 12		
Passat CC (357, 358) 3,6	06.08-		PRO P77 40 P74 12		
Passat CC (357, 358) 1,4-1,8, 2,0 BlueTDI BlueMotion Start/Stop**	06.08-	AGM 570 01 AGM 580 01			
Passat (362, 365) 1,4-2,0 TSI; 1,6-2,0 TDI BlueMotion Start/Stop**	08.10-	AGM 570 01 EFB 570 11			
Passat (362, 365) 3,6 FSI BlueMotion Start/Stop**	08.10-	AGM 592 01 AGM 580 01			
Passat Alltrack (365) 1,8 TSI	01.12-		PRO P63 40 P62 19		
Passat Alltrack (365) 1,8-2,0 TSI, 2,0 TDI**	01.12-	AGM 570 01 EFB 570 11			
Passat (3G) e-Passat GTE PHEV 160 kW	01.14-		PRO P77 40 P74 12		
Phaeton (3D2) 3,2-6,0; V6-V8, W12	04.02-12.16		PRO P100 40 P95 33		

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Phaeton (3D2) 3,0-5,0 V6-V10 TDI	04.02-12.16		PRO P100 40 P95 33		
Phaeton 3,2-6,0; V6-V8, W12 BlueMotion Start/Stop	04.02-12.16	AGM 592 01			
Phaeton 3,0-5,0 V6-V10 TDI BlueMotion Start/Stop	04.02-12.16	AGM 592 01			
Polo (86C, 86CF, 6N1, 6NF) 1,0-1,4*	10.81-10.99		PRO P63 40 P62 19	562 19	
Polo (86C, 86CF, 6N1, 6NF) 1,3-1,9 D, SDI, TDI*	10.81-10.99		PRO P77 40 P74 12	572 12	
Polo (86C, 86CF, 6N1, 6NF) 1,6-2,0*	10.81-10.99		PRO P63 40 P62 19	562 19	
Polo (6KV2, 6KV5) 1,4-1,6	10.94-09.01		PRO P63 40 P62 19	562 19	
Polo (6KV2, 6KV5) 1,7-1,9 SDI; TDI	10.94-09.01		PRO P63 40 P62 19	562 19	
Polo (6N2, 9N_, 6R) 1,0-1,6	10.99-		PRO P63 40 P62 19	562 19	
Polo (6N2, 9N_, 6R) 1,8	10.99-		PRO P77 40 P74 12	572 12	
Polo (6N2, 9N_, 6R) 1,2 TDI	10.99-		PRO P63 40 P62 19	562 19	
Polo (6N2, 9N_, 6R) 1,4-1,9 SDI, TDI	10.99-		PRO P77 40 P74 12	572 12	
Polo (6R) 1,4, 1,2-1,6 TDI BlueMotion Start/Stop**	06.09-	AGM 560 01 EFB 560 11			
Scirocco III (13) 1,4-2,0 FSI, TFSI	08.08-		PRO P63 40 P62 19		
Scirocco III (13) 1,9-2,5 TDI	08.08-		PRO P77 40 P74 12		
Scirocco III (13) 1,4-2,0 FSI, TFSI BlueMotion Start/Stop**	08.08-	AGM 570 01 AGM 560 01			
Scirocco III (13) 1,9-2,5 TDI BlueMotion Start/Stop**	08.08-	AGM 570 01 EFB 570 11			
Sharan (7M) 1,8 T 20V*	09.97-03.00		PRO P63 40 P62 19	562 19	
Sharan (7M) 1,8 T 20V	04.00-		PRO P63 40 P62 19	562 19	
Sharan (7M) 1,9-2,0 TDI, 115CV (3 Motion)*	09.95-04.00		PRO P100 40 P95 33	595 33	
Sharan (7M) 1,9-2,0 TDI, 115CV (3 Motion)	04.00-		PRO P100 40 P95 33		
Sharan (7M) 2,0*	09.95-03.00		PRO P77 40 P74 12	572 12	
Sharan (7M) 2,0	04.00-		PRO P77 40 P74 12	572 12	
Sharan (7M) 2,8 V6, VR6 Syncro*	01.97-04.00		PRO P77 40 P74 12	572 12	
Sharan (7M) 2,8 V6, VR6 Syncro	04.00-		PRO P77 40 P74 12	572 12	
Sharan 1,4-2,0 BlueMotion Start/Stop**	05.10-	AGM 570 01 AGM 580 01			
Sharan 2,8 V6, VR6 Syncro BlueMotion Start/Stop**	05.10-	AGM 580 01 EFB 580 11			
Sharan 1,9-2,0 TDI, 115CV (3 Motion) BlueMotion Start/Stop**	05.10-	AGM 580 01 AGM 570 01			
T-Roc (A11) 1,0-1,5 TSI BlueMotion Start/Stop	11.17-	EFB 560 11 AGM 560 01			
T-Roc (A11) 2,0 TSI Blue-Motion Start/Stop	11.17-	EFB 570 11 AGM 570 01			
T-Roc (A11) 1,6-2,0 TDI BlueMotion Start/Stop	11.17-	EFB 570 11 AGM 570 01			
Taro 1,8-2,3	03.89-03.97		P60 69		
Taro 2,3 D	03.89-03.97		P70 24		
Tiguan (5N) 1,4-2,0	03.08-		PRO P63 40 P62 19		
Tiguan (5N) VR6	03.08-		PRO P77 40 P74 12		

* with base hold-down adapter Art.No. 305002030101

** Please check the original battery, as differing battery sizes and technologies may be installed. The battery choice depends primarily upon the electrical extras. (VRLA=AGM, AFB/ECM=EFB)

*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment

CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Tiguan (5N) 2,0 TDI	03.08-		PRO P77 40 P74 12		
Tiguan (5N) 1,4-2,0 Blue-Motion Start/Stop**	03.08-	AGM 570 01 EFB 570 11			
Tiguan (5N) VR6 Blue-Motion Start/Stop**	03.08-	AGM 570 01 EFB 570 11			
Tiguan (5N) 2,0 TDI Blue-Motion Start/Stop**	03.08-	AGM 580 01 AGM 570 01			
Touareg (7LA) 2,5 TDI	10.02-05.10		PRO P77 40 P74 12		AGM 580 01
Touareg (7LA) 3,0 TDI, V6 TDI	10.02-05.10		PRO P100 40 P95 33		AGM 580 01
Touareg (7LA) 3,0-3,2 V6	10.02-05.10		PRO P100 40 P95 33		AGM 580 01
Touareg (7LA) 4,2 V8-6,0 W12	10.02-05.10		PRO P100 40 P95 33		AGM 580 01
Touareg (7LA) 2,5 TDI BlueMotion Start/Stop**	10.02-05.10	AGM 570 01 EFB 570 11			AGM 580 01
Touareg (7LA) 3,0 TDI, V6 TDI BlueMotion Start/Stop	10.02-05.10	AGM 592 01			AGM 580 01
Touareg (7LA) 3,0-3,2 V6 BlueMotion Start/Stop	10.02-05.10	AGM 592 01			AGM 580 01
Touareg (7LA) 4,2 V8-6,0 W12 BlueMotion Start/Stop	10.02-05.10	AGM 592 01			AGM 580 01
Touareg (7P5) 3,0 V6 TDI BlueMotion Start/Stop**	01.10-	AGM 592 01 AGM 605 01			AGM 580 01
Touareg (7P5) 4,2 V8; 5,0 V10 TDI BlueMotion Start/Stop	01.10-	AGM 605 01			
Touran, -Cross (1T1, 1T2) 1,4-2,0 FSI	02.03-		PRO P63 40 P62 19	562 19	
Touran, -Cross (1T1, 1T2) 1,9-2,0 TDI	02.03-		PRO P77 40 P74 12	572 12	
Touran, -Cross (1T1, 1T2) 1,4-2,0 FSI BlueMotion Start/Stop**	03.08-	AGM 570 01 EFB 570 11			
Touran, -Cross (1T1, 1T2) 1,9-2,0 TDI BlueMotion Start/Stop**	03.08-	AGM 570 01 EFB 570 11			
Touran, -Cross (1T3) 1,2 TSI BlueMotion Start/Stop**	05.10-	AGM 570 01 EFB 570 11			
Transporter T4 (70X_) 1,6*	07.90-04.03		PRO P63 40 P62 19	562 19	
Transporter T4 (70X_) 1,8-2,8 VR6*	07.90-04.03		PRO P77 40 P74 12	572 12	
Transporter T4 (70X_) 1,9-2,5 D; TDI	07.90-04.03		PRO P100 40 P95 33	595 33	
Transporter T5 (7H_, 7J_) 2,0-3,2	04.03-		PRO P63 40 P62 19		
Transporter T5 (7H_, 7J_) 1,9-2,5 TDI, BiTDI	04.03-		PRO P77 40 P74 12		
Up 1,0-1,4	09.11-		P42 08		
e-Up, GTI 60 kW**	10.13-		P42 08 PRO P50 40		
Vento (1HX0) 1,4-1,6*	11.91-09.98		PRO P63 40 P62 19	562 19	
Vento (1HX0) 1,8-2,8*	11.91-09.98		PRO P63 40 P62 19	562 19	
Vento (1HX0) 1,9 SDI, TDI*	11.91-09.98		PRO P77 40 P74 12	572 12	
XL1 0,8 TDI E-Hybrid	02.14-		P42 08 PRO P50 40		
Volvo					
340-460 (343, 345, 344, 445, 464) 1,4-2,0	08.79-12.96		PRO P77 40 P74 12	572 12	
340-460 (343, 345, 344, 445, 464) 1,6-1,9 D, TD	08.79-12.96		PRO P77 40 P74 12	572 12	
480 E 1,7-2,0	03.86-07.96		PRO P63 40 P62 19	562 19	
850-960 (LS, LW, 945, 944, 964, 965) 2,0-2,9	03.92-12.96		PRO P77 40 P74 12	572 12	

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
850-960 (LS, LW, 945, 944, 964, 965) 2,4-2,5 D, TD, TDI	01.91-12.96		PRO P77 40 P74 12	572 12	
C30 1,6-1,8 FlexFuel	10.06-		PRO P77 42 P72 09		
C30 2,0-2,4, T5	10.06-		PRO P77 40 P74 12		
C30 2,0 FlexFuel	03.09-		PRO P63 40 P62 19		509 00/ AUX 09
C30 1,6 D	10.06-		PRO P77 40 P74 12		
C30 2,0 D, D3, D4, D5	10.06-		P88 20 P80 14		
C30 1,6-2,4; 1,6-2,0 D DRIVE Start/Stop	03.09-09.13	AGM 570 01			509 00/ AUX 09
C30 1,6-2,4; 1,6-2,0 D DRIVE Start/Stop**	09.13-	EFB 570 11 AGM 570 01			509 00/ AUX 09
C70 I, II 2,0-2,5; T5	03.97-		PRO P63 40 P62 19	562 19	
C70 I, II 2,0-2,5; T5	03.97-		PRO P77 40 P74 12	572 12	
C70 I, II 2,0-2,5 D, TDI	03.97-		PRO P77 40 P74 12	572 12	
C70 II D3, D4	03.06-		P88 20 P80 14		
S40 I (VS) 1,6-2,0	07.95-12.03		PRO P63 40 P62 19	562 19	
S40 I (VS) 1,9 DI, TD	07.95-12.03		PRO P77 40 P74 12	572 12	
S40 II (MS) 1,6-1,8 FlexFuel	01.04-		PRO P77 42 P72 09		
S40 II (MS) 2,0-2,4, D5, T5, AWD	01.04-		PRO P77 42 P72 09		
S40 II (MS) 1,6 D	01.04-		PRO P77 40 P74 12		
S40 II (MS) 2,0 D, D3, D4	01.04-		P88 20 P80 14		
S40 II (MS) 1,6-2,4; 1,6-2,0 D DRIVE Start/Stop	03.09-	AGM 570 01			509 00/ AUX 09
S60 I 2,0-2,5	07.00-04.10		PRO P63 40 P62 19		
S60 I 2,4 D, D5	07.00-04.10		PRO P100 40 P95 33		
S60 II 2,0, D3, D4, T4, T5, T6	04.10-		PRO P77 40 P74 12		
S60 II D3, D4, D5 AWD	04.10-		P88 20 P80 14		
S60 II 2,4 T3, T4, 1,6 D; D3, D5 DRIVE Start/Stop	04.10-	AGM 570 01			509 00/ AUX 09
S70 (P80) 2,0-2,5	01.97-11.00		PRO P77 40 P74 12	572 12	
S70 (P80) 2,5 TDI	01.97-11.00		PRO P100 40 P95 33	595 33	
S80 I, II (TS, XY, AS) 2,0-4,4 AWD, T4, T5, T6 AWD	05.98-		PRO P77 40 P74 12	572 12	
S80 I, II (TS, XY, AS) 2,0-2,5 D, TDI	05.98-		PRO P100 40 P95 33	595 33	
S80 II (AS) 1,6 D DRIVE Start/Stop	03.06-	AGM 570 01			514 00/ AUX 14
S80 II D3, D4, D5 AWD	03.06-		P88 20 P80 14		
S90 2,5-2,9	11.96-12.98		PRO P77 40 P74 12	572 12	
V40 (VS, VW) 1,6-2,0	07.95-06.04		PRO P63 40 P62 19	562 19	
V40 (VS, VW) 1,9 TD, DI	07.95-06.04		PRO P77 40 P74 12	572 12	
V40 (VS, VW) 1,9 TD, DI	07.95-06.04		PRO P84 40 P80 14	580 14	

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment



CARS AND SMALL TRANSPORTERS

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
V40 (VW) 1,6 Start/Stop	09.12-	AGM 560 01			514 00/ AUX 14
V40 (VW) 2,0-2,5 TD, DI Start/Stop	09.12-	AGM 570 01			514 00/ AUX 14
V40 (VW) 1,8-2,0 D2, D3, D4, T2, T3, T4, T5 Start/Stop	09.12-	AGM 570 01			514 00/ AUX 14
V50 (MW) 1,6-1,8	04.04-		PRO P77 42 P72 09		
V50 (MW) 2,0 FlexFuel	04.04-		PRO P63 40 P62 19		
V50 (MW) 2,0-2,4, D5, T5, AWD	04.04-		PRO P77 42 P72 09		
V50 (MW) 1,6 D, 2,4 D	04.04-		PRO P77 40 P74 12		
V50 (MW) 2,0 D, D3, D4	04.04-		P88 20 P80 14		
V50 (MW) 1,6-2,4; 1,6-2,4 D DRIVE Start/Stop	03.09-	AGM 570 01			514 00/ AUX 14
V60 2,0 T, D3, D4, T4, T5, T6	03.09-		PRO P77 40 P74 12		
V60 2,4 D5, D3, D4 AWD, D5 AWD	03.09-		P88 20 P80 14		
V60 2,4 Hybrid AWD	03.09-	AGM 580 01			
V60 T3, T4, 1,6; D3, 2,4 D5 DRIVE Start/Stop**	09.10-	AGM 570 01 AGM 580 01			514 00/ AUX 14
V70 I (P80) 2,0-2,5	01.97-03.00		PRO P77 40 P74 12	572 12	
V70 I (P80) 2,5 TDI	01.97-03.00		PRO P100 40 P95 33	595 33	
V70 II (P80) 2,4-2,5 D, D5, TDI	03.00-08.07		PRO P100 40 P95 33		
V70 II (P80) T5 2,0-2,5	03.00-08.07		PRO P77 40 P74 12		
V70 III (BW) 1,6-3,2, T, D3, D4, T5	03.09-		PRO P77 40 P74 12		514 00/ AUX 14
V70 III (BW) 1,6 D DRIVE	03.09-		PRO P77 40 P74 12		514 00/ AUX 14
V70 III (BW) 2,0-3,2 D DRIVE, D3, D5 AWD, T6 AWD	03.09-		P88 20 P80 14		
V70 III (BW) T4, 1,6 D, D4, T4 DRIVE Start/Stop	03.09-	AGM 570 01			514 00/ AUX 14
V90 2,5-2,9	01.97-12.98		PRO P77 40 P74 12	572 12	
XC40 (536) T5 AWD, D4 AWD DRIVE Start/Stop**	10.17-	AGM 570 01 AGM 580 01			
XC60 2,0, T6, 3,2; D5, T5, T6	03.08-		PRO P77 40 P74 12		
XC60 D5 AWD	03.08-		P88 20 P80 14		
XC60 2,4 D DRIVE	03.09-		PRO P100 40 P95 33		514 00/ AUX 14
XC60 D3, D4, D5 DRIVE Start/Stop	03.09-	AGM 570 01			514 00/ AUX 14
XC70 I, II 2,4-2,5	03.00-		PRO P77 40 P74 12	572 12	
XC70 I, II 2,4 D5 AWD	03.00-		PRO P100 40 P95 33	595 33	
XC70 I, II 2,4-2,5 D DRIVE	03.09-		PRO P100 40 P95 33		514 00/ AUX 14
XC70 I, II 2,4 D, 3,2 AWD, D3, D5 AWD	03.09-		P88 20 P80 14		
XC70 II D3, D4, T5, T6 DRIVE Start/Stop**	03.09-	AGM 570 01 AGM 580 01			514 00/ AUX 14
XC90 2,5-2,9 T, T6, V8, 3,2	10.02-		PRO P77 40 P74 12		
XC90 2,5 D5	10.02-		PRO P100 40 P95 33		

* with base hold-down adapter Art.No. 305002030101

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*** with terminal covers thin-DIN Art.No. 1020001300+1020001400

**** not yet available in the Banner assortment

Brand / Model designation	Year of manufacture	Running Bull	Power Bull	Starting Bull	Running Bull Backup
Wiesmann					
Roadster, GT Coupe MF4-S, MF5	01.96-	AGM 592 01			
Zastava					
10 (188) 1,2 60	10.05-		PRO P50 42 P44 09		
Yugo 0,9-1,3	04.80-06.95			560 08	
Yugo Florida 1,1-1,6	10.88-			560 08	
ZAZ					
Lanos 1,4-1,6	01.04-			560 08	
Tavrija 1,1-1,3	01.89-			560 08	
Zhengzhou					
Paladin 2,4-3,3	06.02-		P70 29 P80 09		
Paladin 2,4*	06.02-		PRO P77 40 P74 12	572 12	
Zhonghua					
Grandeur 2,0-2,3	10.03-		P70 29 P80 09		
SY 2,0-2,3	06.99-		P70 29 P80 09		
Zhongxing					
Admiral Pick-Up 2,2	01.00-		P70 29 P80 09		
Banner 2,2	01.97-		P70 29 P80 09		
Grand Tiger Pick-Up 2,2 4WD	08.05-		P70 29 P80 09		
Tiger Pick-Up 2,2	01.97-10.03		P70 29 P80 09		

TRUCKS AND BUSES

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
AEC				
Major Tilt Cab, Mandator, Marshall, Mercury, Monarch		625 13		
Ranger		610 48		
Ranger 4M4		625 13		
Reliance, Swift		610 11		
Agrale				
Microbus MA 6.0 - 8.5 Euro II, III		SHD PRO 645 03 SHD 640 35		
Midibus MA 9.2, 12.0 Euro II, III		SHD PRO 680 08 SHD 680 32		
ASTRA				
HD 7 42.42-86.52/ HD 7-C 42.36-88.50/ HD 8 42.36 - 88.56	01.00-	SHD PRO 680 08 SHD 680 32		
Atkinson				
Borderer T3246RR, XBL		610 11		
Borderer T3446C, T3448XB		625 11		
Defender L3086C, CL, XL, XBL; L2686XB		625 11		
Defender Tipper S2466X		610 11		
Defender Tipper S3086C, CL, XBL, XB		625 11		
Searcher 2466X, XL		610 11		
Ventura T4568XB, T4566C, T7566C, T7568XB		625 11		
Auwärter				
302-Series 8 - 13		SHD PRO 725 03 SHD 725 11		
800-Series 811 42 - 813 43		SHD PRO 725 03 SHD 725 11		
AVIA				
alle Modelle 12V/ all models 12V			AGM 592 01	PRO P100 40
D-Line D 60-120	10.01-		AGM 592 01	PRO P100 40
AWD				
TL, TM-Series		625 11		
Barbi				
Volvo Genesis		SHD PRO 725 03 SHD 725 11		
Barkas				
alle Modelle Diesel/ all models diesel		SHD PRO 645 03 SHD 640 35		
Barreiros				
alle Modelle/all models		SHD 670 33		
Bedford				
CF-Series CF 2/230 / CF 2/250 / CF 2/280 / CF 2/350		610 48		
CF-Series D		610 48		
D-Series D 7,5 T			AGM 592 01	PRO P100 40
TJ-Series TJ 220 - TJ 1000		610 48		
TK-Series TK 220 - TK 1630		610 48		
TL-Series / TM-Series TL 570 - 3200, TM 500 - 4400		625 11		
Y-Series YNT		610 47		
Y-Series YNV		610 11		
Berna				
4VF, 4VM / D180 - D330		SHD 670 33		
5 VFS, VF, VM, V		SHD PRO 645 03 SHD 640 35		
Bova				
Futura FHD 10 - 14, FLD 15	09.84-	SHD PRO 725 03 SHD 725 11		
Futura FHD/FLD 104 - 127	09.84-	SHD PRO 725 03 SHD 725 11		
Lexio LD/LLD 123, 130 - 365	09.05-	SHD PRO 725 03 SHD 725 11		
Magiq HD 120 - 139 Magnum	10.99-	SHD PRO 725 03 SHD 725 11		
Magiq MHD 122 - 148 Magnum	10.99-	SHD PRO 725 03 SHD 725 11		
Synergy DD 130, 138 / SSD 130, 141 / SSD 130, 141	09.04-	SHD PRO 725 03 SHD 725 11		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Bremach				
GR-Series GR35			AGM 592 01	PRO P100 40
GR-Series GR45			AGM 592 01	PRO P100 40
NB-Series NB35			AGM 592 01	PRO P100 40
NB-Series NB45			AGM 592 01	PRO P100 40
Büssing				
14-150 (12V), 14-185		SHD PRO 680 08 SHD 680 32		
14-150 (24V)		SHD PRO 645 03 SHD 640 35		
AK 14-150		SHD PRO 680 08 SHD 680 32		
BS		SHD PRO 645 03 SHD 640 35		
BS Bus		SHD PRO 680 08 SHD 680 32		
Burglöwe		610 11		
Commodore, Präfekt		SHD PRO 680 08 SHD 680 32		
Konsul		SHD PRO 680 08 SHD 680 32		
OM		610 11		
Supercargo L 14-185		SHD PRO 680 08 SHD 680 32		
Commer-Carrier-Dodge				
K2413T		610 48		
50-Series		625 11		
100-Series		625 11		
300-Series		SHD PRO 680 08 SHD 680 32		
LDA, LDU7, LDV3		625 11		
DAF				
45 FA 45.120 - 45.210	01.91-12.00	610 11		
55 FA 55.150 - 55.230	09.95-12.00	625 11		
65 CF FA 65 CF 180/210	02.98-12.00	SHD PRO 680 08 SHD 680 32		
65 FA 65.180 - 65.240	01.93-02.98	SHD 640 35		
75 CF FA 75 CF 250/290	02.98-12.00	SHD PRO 680 08 SHD 680 32		
75 FA 75.240 -75.300	07.92-02.98	SHD 640 35		
85 CF FA 85 CF 340/430	02.98-12.00	SHD PRO 680 08 SHD 680 32		
85 FA 85.330 - 85.400	07.92-02.98	SHD PRO 680 08 SHD 680 32		
95 FA 95.310 - 95.500	09.87-01.98	SHD PRO 680 08 SHD 680 32		
95 XF FA 95 XF 380/430/480/530	01.97-09.02	SHD PRO 680 08 SHD 680 32		
CF 65 FA 65.180 - 65.290	01.01-12.04	SHD PRO 680 08 SHD 680 32		
CF 75 FA 75.250 - 75.360	01.01-12.04	SHD PRO 680 08 SHD 680 32		
CF 85 FA 85.340 - 85.510	01.01-12.04	EFB 690 17 SHD PRO 680 08		
CF 65 FA 65.180 - 65.290	01.05-	EFB 690 17 SHD PRO 680 08		
CF 75 FA 75.250 - 75.360	01.05-	EFB 690 17 SHD PRO 680 08		
CF 85 FA 85.340 - 85.510	01.05-	EFB 690 17 SHD PRO 680 08		
F 1000 FA 1000		610 11		
F 1100 FA 1100		SHD 640 35		
F 1200 FA 1200		SHD 640 35		
F 1300 FA 1300		SHD 640 35		
F 1400 FA 1400		SHD 640 35		
F 1500 FA/FD 1500		SHD 640 35		
F 1600 FA /FGG 1600/1521		SHD 640 35		
F 1700 FA 1700		SHD 640 35		
F 1800 FAV 1800		SHD 640 35		
F 1900 FA/FD/FT 1900		EFB 690 17 SHD PRO 680 08		



TRUCKS AND BUSES

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
F 2100 FA/FAG/FAS/FT 2103/2105		EFB 690 17 SHD PRO 680 08		
F 2300 FA/FAB/FAG/FAS/FAT/FAV/FMB/FMT/FT 2300/2303/2305	09.63-10.93	EFB 690 17 SHD PRO 680 08		
F 2500 FA/FAG/FAT/FMD/FMT 2500/2503/2505/2525/2535		EFB 690 17 SHD PRO 680 08		
F 2700 FA/FAB/FAG/FAR/FMT/FT 2700	01.90-10.93	EFB 690 17 SHD PRO 680 08		
F 2800 FA/FAB/FAC/FAD/FAR/FAS/FAT/FMD/FT/FTS/FTT 2800/2803/2804/2805/2825	09.73-09.91	EFB 690 17 SHD PRO 680 08		
F 2900 FA/FAD/FMD/FT 2900	01.90-10.93	EFB 690 17 SHD PRO 680 08		
F 3200 FA/FAB/FAR/FAS/FAT/FMD 3200	01.90-10.93	EFB 690 17 SHD PRO 680 08		
F 3300 FA/FAC/FAD/FAG/FAS/FAT/FT/FTG/FTS/FTT 3300/3303/3304/3305/3325	06.81-09.91	EFB 690 17 SHD PRO 680 08		
F 3600 FA/FAG/FAR/FAS/FT/FTT 3600/3603/3604/3605/3625	06.85-09.91	EFB 690 17 SHD PRO 680 08		
F 600 FA 600		610 11		
F 800 FA 800		610 11		
F 900 FA 900		610 11		
LF 45 45.130 - 45.250	01.01-	610 11		
LF 55 55.170 - 55.290	01.01-	625 11		
N 2800 NAT 2826		EFB 740 17 SHD PRO 725 03		
N 3300 NAT 3326		EFB 740 17 SHD PRO 725 03		
XF 105 105.410 - 105.510	10.05-	EFB 690 17 SHD PRO 680 08		
XF 95 95.380 - 95.530	09.02-12.06	EFB 690 17 SHD PRO 680 08		
Dennis				
Javelin		SHD PRO 680 08 SHD 680 32		
16-18		625 11		
Dart/Delta 1600-2222		610 11		
Dominant/Maxim/Mercury Pax/Paxit II A		625 11		
Dodge				
50-Series		625 11		
100-Series		625 11		
12 Ton Range (24V)		610 11		
300-Series C 17T, 38T, 3864		SHD PRO 725 03 SHD 725 11		
300-Series C 2464, C 38T, 4084, K 3820, R 3820P		SHD PRO 680 08 SHD 680 32		
500-Series (12V/24V)		610 11		
C 4084		SHD PRO 680 08 SHD 680 32		
CE (12V)		625 11		
CE (24V)		610 11		
Commando (12V/24V)		625 11		
DKC		610 48		
DVC		625 11		
FBF, FC		625 11		
G 08 - G 26		625 11		
K 1100 (Chrysler)		610 48		
K, KP		610 48		
K 2413		610 48		
K 3820		SHD PRO 645 03 SHD 640 35		
Karrier FB, FC		625 11		
PBR		625 11		
S 35 - 75 (4 cyl.)		625 11		
VC, VCA, VCF		625 11		
Ebro				
100/8D			AGM 592 01	PRO P100 40

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
F260, F275			AGM 570 01	PRO P77 40
F350 / L50, 60, 70 Turbo, 80 / P137 / P170, P190		625 11		
L-Series L 35/L45/L60/L80			AGM 592 01	PRO P100 40
F-Series F 100 - F 350			AGM 570 01	PRO P77 40
Trade 2,0; 2,8			AGM 570 01	PRO P77 40
Enasa				
1000-Series 1061-1066		SHD PRO 725 03 SHD 725 11		
EOS Coach				
alle Modelle/all models		SHD PRO 725 03 SHD 725 11		
ERF				
205, 220, 260T(Rolls Royce) / 290 / 31R4		625 11		
64 R 260T (Rolls Royce) / 84 PF (Perkins)		610 11		
S (Perkins) / 84 PS (Perkins) / 84 PV (Perkins)		610 11		
86 PS Fire Appliance		610 11		
alle Modelle/all models (Cummins)		610 11		
alle Modelle/all models (Gardner GX)		625 11		
alle Modelle/all models (Gardner LW)		610 11		
alle Modelle/all models (Gardner LX, LXB)		625 11		
alle Modelle/all models (Perkins)		610 11		
C-Series		625 13		
CP-Series		625 13		
E-Series / EC-Series		SHD PRO 680 08 SHD 680 32		
L10 / TRAILBLAZER 32G46, 36RZ		625 11		
ECL 6.22 - 7.28 RD3 / TP3 (206 kW)	04.02-	SHD PRO 680 08 SHD 680 32		
ECM 6.22 - 7.28	04.02-	SHD PRO 680 08 SHD 680 32		
ECT 10.35 - 32.35	04.02-	SHD PRO 680 08 SHD 680 32		
Trailblazer 32G46, 36RZ		625 13		
F.T.F.				
alle Modelle/all models		SHD PRO 725 03 SHD 725 11		
FAR				
CM 54, 55, 56V			AGM 592 01	PRO P100 40
Faun				
AK AK 414 HW		SHD PRO 725 03 SHD 725 11		
L L 1212/45 ZA 6x6, L 1212/45 ZA 6x7		SHD PRO 725 03 SHD 725 11		
FBW				
alle Modelle/all models		SHD PRO 645 03 SHD 640 35		
Fiat				
AL 418 AL		SHD 635 44		
Daily 28 F 8 / 30 F 8 / 32 F 8 / 35 F 8 / 40 F 8		SHD 635 44		
E 242 E			AGM 592 01	PRO P100 40
F 170F20-F35		SHD 670 33		
50 F8 - 79 F13			AGM 570 01	PRO P77 40
NC 50 NC - 170 NC		640 35		
NC 110 NC		680 89		
NR 130 NR / 150 NR 20		640 35		
NT 130NT, NT20		640 35		
N 619 N - 697 N		SHD 670 33		
PAC 190 PAC 20 / 190 PAC 26/ 260 PAC 26		640 35		
PC 65 PC / 75 PC			AGM 570 01	PRO P77 40
P 170.35 P		SHD 670 33		
TP 170.35 TP		SHD 670 33		

TRUCKS AND BUSES

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
T 170.35 T		SHD 670 33		
130 NC, NR, NT 20		640 35		
159.17		640 35		
170.35		SHD 670 33		
242/15 / 242/18			AGM 592 01	PRO P100 40
70.10 / 79.13			AGM 570 01	PRO P77 40
Foden				
2000 / 3000 / 4000 Series		625 13		
ER / FCU over 40 tons (Cummins) / FE, FG, FLE Modelle/models		610 48		
Fleetmaster Range / FR CHASSIS (Rolls Royce)		625 13		
HAULMASTER Range / S 104, 106, 108		610 48		
S 83		610 11		
Tilt Cab (Cummins) / Tilt Cab (Gardner)		610 48		
Tilt Cab (Rolls Royce)		625 13		
Fleetmaster		625 13		
Haulmaster		610 48		
S 104 - 108, S 83		610 48		
Tiltcab Gardner Engine / Gardner Motor		610 48		
Tiltcab Rolls Royce Motor		625 11		
Ford				
1013 / 1315 / 1620 / 1924 / 2417 / 2624 / 3424		610 48		
6AA, 6CA, 7AA (24V)		625 13		
Bus Chassis		SHD PRO 645 03 SHD 640 35		
D & K PASSENGER / D-Series		610 48		
Transcontinental		625 11		
CARGO-Series 1012 - 1115		610 48		
CARGO-Series 1215 - 3220		625 11		
CARGO-Series 413F, 413F2 (24V)		625 13		
CARGO-Series 608 - 915		610 48		
Cargo 0609 - 1215	04.81-	610 48		
Freight-Rover				
Sherpa 185 - 300				P95 05
Ginaf				
C2 C2120/2121		SHD PRO 680 08 SHD 680 32		
F 160 - 535		SHD PRO 680 08 SHD 680 32		
G 3229 - 5450		SHD PRO 680 08 SHD 680 32		
KFS 10 - 16		SHD PRO 680 08 SHD 680 32		
X2 2219 - 2223, X3 3232 - 3335		SHD PRO 680 08 SHD 680 32		
X4 4241 - 4446 TS		SHD PRO 680 08 SHD 680 32		
X5 5250 - 5450, X52, X53		SHD PRO 725 03 SHD 725 11		
GMC				
7000		SHD PRO 725 03 SHD 725 11		
Invincible MK III		625 11		
White		610 48		
Guy				
Big J (12V)		625 13		
Big J (24V)		625 13		
T 43		625 13		
Hanomag-Henschel				
F 150 K, F 150 L		600 26		
F 161 AK-F 193 S		SHD PRO 645 03 SHD 640 35		
F 20, 23, 25, 30, 35, 36 Diesel		SHD PRO 645 03 SHD 640 35		
F 20-F35		SHD PRO 645 03 SHD 640 35		
F 40 KA Diesel, F 40, 45 B Diesel		600 26		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
F 45 V Diesel		SHD PRO 645 03 SHD 640 35		
F 46-F 86		SHD PRO 645 03 SHD 640 35		
H-Series H 161 AK-H 191 S-R		SHD PRO 645 03 SHD 640 35		
Hanomag-Rheinstahl				
A 28		SHD PRO 680 08 SHD 680 32		
Garant L, LL, EL, K		SHD PRO 680 08 SHD 680 32		
L 28		SHD PRO 680 08 SHD 680 32		
Markant L, LL, K, S		SHD PRO 680 08 SHD 680 32		
Hino				
FD FE FF		680 89		
FH / FS, FY		SHD PRO 680 08 SHD 680 32		
FYIK		680 89		
HB KY / HE		SHD PRO 645 03 SHD 640 35		
KB		SHD PRO 680 08 SHD 680 32		
KM KL KLR KR		610 48		
KY / ZM		SHD PRO 680 08 SHD 680 32		
LA 620 KB 422		680 89		
SH		680 89		
IFA				
Multicar M24		SHD PRO 645 03 SHD 640 35		
alle anderen Modelle/ all other models		SHD PRO 680 08 SHD 680 32		
Ikarus				
297.07 / 398.20		SHD PRO 680 08 SHD 680 32		
405 / 417		SHD PRO 725 03 SHD 725 11		
Inbus				
alle anderen Modelle/ all other models		SHD PRO 725 03 SHD 725 11		
Ino				
HE		SHD PRO 645 03 SHD 640 35		
Irisbus				
ACCESS'BUS 127 GX 127	01.02-	SHD PRO 725 03 SHD 725 11		
ARWAY 12m / 12.8m	06.06-	SHD PRO 725 03 SHD 725 11		
AXER 12m / 12.8m	10.03-01.07	SHD PRO 725 03 SHD 725 11		
ARWAY (243 kW)		SHD PRO 725 03 SHD 725 11		
CITELIS 12 / 18 / 18 CNG	09.05-	SHD PRO 725 03 SHD 725 11		
CROSSWAY 10.6m / 12m / 12.8m	06.06-	SHD PRO 725 03 SHD 725 11		
CITELIS (213 kW)		SHD PRO 725 03 SHD 725 11		
CROSSWAY (243 kW)		SHD PRO 725 03 SHD 725 11		
DAILY TOURYS 16 / 19	11.06-	610 11		
DOMINO 2001	10.03-	SHD PRO 725 03 SHD 725 11		
EVADYS H/HD 12m / 12.8m	10.03-	SHD PRO 725 03 SHD 725 11		
EVADYS (280 kW)		SHD PRO 725 03 SHD 725 11		
RECREO 12 m / 12.8 m	10.03-01.07	SHD PRO 725 03 SHD 725 11		
IVECO				
Daily II 29L10 - 60C18	05.99-	610 11		



TRUCKS AND BUSES

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Daily I 30-8 - 59-12	01.78-04.99		AGM 592 01	PRO P100 40
EuroCargo 60E10 - 95E21	01.91-	610 11		
EuroCargo 100E15 - 110E25	01.91-	610 11		
EuroCargo 120E15 - 190E30	01.91-	SHD PRO 680 08 SHD 680 32		
EuroCargo 225E28 - 320E28	01.91-	SHD PRO 680 08 SHD 680 32		
EuroStar LD 190E38 - LD 440E52	01.93-02.02	SHD PRO 680 08 SHD 680 32		
EuroTech MH 190E24 - 440E43	09.98-	EFB 690 17 SHD PRO 680 08		
EuroTech MP 180E34 - 440E43	01.92-	EFB 690 17 SHD PRO 680 08		
EuroTech MT 180E24 - 440E43	01.92-08.98	EFB 690 17 SHD PRO 680 08		
EuroTrakker MP 190E30 - MP 260E44	01.93-11.04	SHD PRO 680 08 SHD 680 32		
EuroTrakker MP 340E34 - MP 720E47	01.93-11.04	SHD PRO 680 08 SHD 680 32		
M 115-17 - 175-24	06.82-12.92	SHD PRO 680 08 SHD 680 32		
MK 110-13 - 130-16	01.83-12.91	SHD 670 33		
MK 75-9 - 90-13	01.83-12.91	SHD 635 44		
P/PA Haubenfahrzeug 120-13 - 330-30	12.79-12.93	SHD PRO 680 08 SHD 680 32		
P/PA 159-17 - 340-34	12.79-12.93	SHD PRO 680 08 SHD 680 32		
Stralis AD 190S27 - AD 260S45	02.02-	EFB 690 17 SHD PRO 680 08		
Stralis AD/AT 440S33 - AD/AT 440S43	02.02-	EFB 740 17 SHD PRO 725 03		
Stralis AS 190S40 - AS 260S56	02.02-	EFB 690 17 SHD PRO 680 08		
Stralis AS 260S50 (368 kW)	02.02-	EFB 740 17 SHD PRO 725 03		
Stralis AS 260S54 - AS 260S56	02.02-	EFB 690 17 SHD PRO 680 08		
Stralis AS/AT 440S40 - AS/AT 440S56	02.02-	EFB 740 17 SHD PRO 725 03		
Trakker AD/AT 190T31 - AD/AT 720T50	10.04-	EFB 740 17 SHD PRO 725 03		
TurboStar 190-33 - 190-48	07.84-12.93	EFB 690 17 SHD PRO 680 08		
TurboTech 190-26 - 240-36	01.90-01.93	EFB 690 17 SHD PRO 680 08		
Zeta 109 - 14	01.79-12.92	SHD 635 44		
Zeta 50-8 - 65-12	01.79-12.92		AGM 592 01	PRO P100 40
Zeta 79-10 - 95-14	01.79-12.92	SHD 635 44		
Zeta A60-9 - A70-12	01.79-12.92		AGM 592 01	PRO P100 40
IVECO Fiat				
100AI/NC/NR/NT/PC 130AI/NC/NR/NT		SHD PRO 645 03 SHD 640 35		
135.14 - 165.24		SHD 670 33		
170.23 - 330.36		SHD PRO 680 08 SHD 680 32		
242			AGM 592 01	PRO P100 40
260.25 - 330.36		SHD PRO 680 08 SHD 680 32		
54.12		SHD PRO 645 03 SHD 640 35		
625N			AGM 592 01	PRO P100 40
645N / 650N 655 / 662N / 672 / 673 / 683N		SHD PRO 645 03 SHD 640 35		
80NC/NR, 90NC			AGM 592 01	PRO P100 40
IVECO Magirus				
109-14		SHD 635 44		
110-13 / 110-16 / 110-17		SHD 670 33		
115-17 / 120-13 / 120-17		SHD PRO 680 08 SHD 680 32		
130-13 / 130-16		SHD 670 33		
135-14 - 340-34		SHD PRO 680 08 SHD 680 32		
50-9 / 60-11 / 65-9 / 65-12			AGM 592 01	PRO P100 40

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
75-9 - 95-14		SHD 635 44		
AHB 6x4 (220 PS)		SHD PRO 680 08 SHD 680 32		
IVECO OM				
100, 120		SHD PRO 645 03 SHD 640 35		
IVECO Unic				
100 NC/NR/PC		SHD PRO 645 03 SHD 640 35		
109.14		SHD 635 44		
110 NC/PC, 120, 130		SHD PRO 645 03 SHD 640 35		
110.14 - 135.17		SHD PRO 680 08 SHD 680 32		
130NC/NR/NT		SHD PRO 645 03 SHD 640 35		
130.16 / 135.17		SHD PRO 680 08 SHD 680 32		
140NC/NR/NT		SHD PRO 645 03 SHD 640 35		
145.17		SHD PRO 680 08 SHD 680 32		
150NL/NR, 159NC, 170NC/NR/NT/U/TS		SHD PRO 645 03 SHD 640 35		
175.17 - 190.48		SHD PRO 680 08 SHD 680 32		
190.24-48		SHD PRO 680 08 SHD 680 32		
230 EURO		SHD PRO 645 03 SHD 640 35		
240.36 - 260.30		SHD PRO 680 08 SHD 680 32		
35.1 - 65.10			AGM 592 01	PRO P100 40
300 TS, 330.30 - 330.36		SHD PRO 680 08 SHD 680 32		
75P / PC		640 35		
79.10 / 79.14		SHD 635 44		
90 P		640 35		
Jelcz				
alle Modelle/all models		SHD PRO 680 08 SHD 680 32		
Jonckheere				
alle Modelle 12V/ all models 12V		SHD PRO 680 08 SHD 680 32		
alle Modelle 24V/ all models 24V		SHD PRO 680 08 SHD 680 32		
Karosa				
alle Modelle/all models		SHD PRO 680 08 SHD 680 32		
Kässbohrer				
Setra 260 DW		SHD 635 44		
S 10 - 14 / S 103 / S 200 - 216 / S 300 - 315		SHD PRO 680 08 SHD 680 32		
S 80			AGM 592 01	PRO P100 40
S 7-9 / SG 175 / SG 180		SHD PRO 680 08 SHD 680 32		
S 100 - 150		SHD PRO 680 08 SHD 680 32		
KHD				
M M 110 D 7 FK - M 160 D 16 L		600 26		
M M 170 D 10 AL - M 180 R 12		SHD PRO 645 03 SHD 640 35		
M M 200 SH 110 U		SHD PRO 725 03 SHD 725 11		
M M 230 L 117 - M 230 R 120, L120		SHD PRO 645 03 SHD 640 35		
M M 230 TR 120, TL 120		SHD PRO 645 03 SHD 640 35		
Leyland				
BX 16/18/19, BX 984-1600		625 11		
Bison 2		625 13		
Bison BN		610 48		

TRUCKS AND BUSES

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Buffalo 2		625 13		
Buffalo BU		610 48		
Chieftain		610 48		
Clydesdale		610 48		
Constructor T100 / T45		625 11		
Cruiser T45		625 11		
EA Vans D		625 13		
EV Van Diesel		625 11		
Eland		610 48		
FAD 80.260 - 80.300		625 11		
FAD 80.300 - 80.330		SHD PRO 680 08 SHD 680 32		
FAS 2300 HAT / 2700 HS		SHD PRO 680 08 SHD 680 32		
FAS 75.240		625 11		
FAT 75.240 / 75.270		625 11		
FA 2300 HAT / 2700 HS		SHD PRO 680 08 SHD 680 32		
FA 45.120 - 65.210		610 47		
FG (2, 2 & 2, 5 l)		610 11		
FG (3, 8; 4, 8; 5, 1 l)		625 11		
FM (2, 2 & 2, 5 l)		610 11		
FTG 80.330		625 11		
FTG 85.330 - 95.430		SHD PRO 680 08 SHD 680 32		
FT 2300/2700/3200		SHD PRO 680 08 SHD 680 32		
FT 75.270 - 80.330		625 11		
FT 85.330 - 95.430		SHD PRO 680 08 SHD 680 32		
Freighter (12V)		610 11		
Freighter (24V)		625 11		
Handyman		610 11		
JU J4 D		610 48		
Landmaster T68		625 11		
Landtrain T43		625 11		
Marathon 2		625 13		
T 45 Roadtrain Range 17.27 / 17.28 / 17.30 / 20.32 / 20.33		625 11		
11.14 / 12.12 / 14.12 / 14.14		625 11		
145 Turbo		610 11		
8.12, 8.13 / 80-Series / BX & TR Modelle/models		625 11		
BEAR		610 48		
Boxer 1200/1300		625 11		
COMET (Tilt Cab)		610 48		
FF, FG, FJ (3.8-5.1l), FM (3.8-5.1l)		625 11		
FREIGHTERT 203 / T207 / T500		610 11		
MARATHON		625 13		
MASTIFF / MS / OCTOPUS / RETRIEVER		625 11		
ROAD RUNNER (T211) / ROAD RUNNER (T45)		610 11		
ROADTRAIN (T 45-Series)		625 11		
SUPER COMET (Tilt Cab)		610 11		
SUPER MASTIFF / TERRIER (TR) / WF (3.8 & 4.8 Litre)		625 11		
WF(2.2 & 2.5 Litre)		610 11		
MANDATOR		625 13		
LIAZ				
alle Modelle/all models		SHD PRO 725 03 SHD 725 11		
MACK				
alle Modelle 12V/ all models 12V		610 48		
Magirus-Deutz				
Bus E113		SHD 635 44		
Bus M2000 / R106		SHD 670 33		
Bus R80 R/L81			AGM 592 01	PRO P100 40
Bus SH 105/110/120/170		SHD PRO 680 08 SHD 680 32		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Bus T117 L117 / TL100 L100 / TL120 L120 / TR100 R100		SHD 670 33		
D 100 D / 120 D / 130 D		SHD PRO 680 08 SHD 680 32		
D 232 D / 256 D / 270 D / 310 D / 340 D		SHD PRO 680 08 SHD 680 32		
D 170 D		SHD 635 44		
D 75 D / 80 D		SHD PRO 680 08 SHD 680 32		
D 85 D / 90 D / 135 D		SHD 635 44		
L 260 L 117		SHD 670 33		
M 130M / 160 M / 168 M		SHD PRO 680 08 SHD 680 32		
M 192 M		640 35		
M 256 M / 320 M		SHD PRO 680 08 SHD 680 32		
M 90 M		SHD 635 44		
M 120 R 80			AGM 592 01	PRO P100 40
M 130 D / M 160 D / M 168 M		600 26		
M 170 D		SHD PRO 645 03 SHD 640 35		
M 170 SH 110 / M 200 SH 110 U		SHD PRO 680 08 SHD 680 32		
M 90 D		600 26		
M 90 M		640 35		
M 320 M		SHD PRO 680 08 SHD 680 32		
R 130 R 81			AGM 592 01	PRO P100 40
SH 230 SH 110		SHD PRO 680 08 SHD 680 32		
MAN				
E 2000		SHD PRO 680 08 SHD 680 32		
EL 202/222/262	01.93-01.01	SHD PRO 725 03 SHD 725 11		
EM 192/222/223	08.87-	SHD PRO 680 08 SHD 680 32		
F 2000 19.233 - 41.464	01.94-	SHD PRO 680 08 SHD 680 32		
F 90 Unterflur 19.322 - 26.422	06.86-09.96	SHD PRO 645 03 SHD 640 35		
F 90 19.242 - 19.502	06.86-12.97	SHD PRO 645 03 SHD 640 35		
F 90 24.242 - 48.462	06.86-12.97	SHD PRO 680 08 SHD 680 32		
G 90 6.100 - 10.150	09.87-05.95	SHD PRO 645 03 SHD 640 35		
G 6.90 - 10.136	10.79-08.88	SHD PRO 645 03 SHD 640 35		
L 2000 8.103 - 12.225	10.93-	SHD PRO 645 03 SHD 640 35		
LIONS CITY	01.04-	SHD PRO 725 03 SHD 725 11		
LIONS COMFORT RN 313 / RN 353	09.96-	SHD PRO 725 03 SHD 725 11		
LION'S COACH FRH 352, RH 353 / FRH 402	09.95-	SHD PRO 725 03 SHD 725 11		
LION'S COACH RH 403, RH 413, RH 463, RHC 464	09.95-	SHD PRO 725 03 SHD 725 11		
LION'S STAR FRH 352, RH 353 / FRH 402	03.91-	SHD PRO 725 03 SHD 725 11		
LION'S STAR RH 403, RH 414, RHS 414 / RH 464, RHS 464	03.91-	SHD PRO 725 03 SHD 725 11		
M 2000 L 12.163 - 26.284	09.99-	SHD PRO 645 03 SHD 640 35		
M 2000 M 14.224 - 25.284	08.95-12.05	SHD PRO 645 03 SHD 640 35		
M 90 12.152 - 24.272	08.88-12.98	SHD PRO 645 03 SHD 640 35		
NG 262/263/272/312/313	08.92-	SHD PRO 680 08 SHD 680 32		
NL 202/222/262/263/313	09.88-	SHD PRO 680 08 SHD 680 32		



TRUCKS AND BUSES

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
NM 152/182/192/222/223	08.87-	SHD PRO 645 03 SHD 640 35		
NÜ 263/313/353	03.96-	SHD PRO 680 08 SHD 680 32		
R R/FR/FRH 292, FRH 362	05.85-01.93	SHD PRO 725 03 SHD 725 11		
SD 200	04.74-04.94	SHD PRO 680 08 SHD 680 32		
SD 202	04.74-04.94	SHD PRO 725 03 SHD 725 11		
SG 220/240/242/292/312/322	09.72-	SHD PRO 680 08 SHD 680 32		
SL II SL 202	04.84-05.96	SHD PRO 680 08 SHD 680 32		
SL 200	06.72-04.87	SHD PRO 680 08 SHD 680 32		
SM 152	08.87-	SHD PRO 645 03 SHD 640 35		
SM 182/192	08.87-	SHD PRO 680 08 SHD 680 32		
SR 240/280/321	02.75-08.94	SHD PRO 680 08 SHD 680 32		
SÜ 240/242/263/272/292/313/322	04.93-05.95	SHD PRO 680 08 SHD 680 32		
TGA 18.310 - 19.480	03.00-02.05	EFB 690 17 SHD PRO 680 08		
TGA 24.350 - 41.660	03.00-02.05	EFB 690 17 SHD PRO 680 08		
TGA 18.310 - 19.480	03.05-	EFB 690 17 SHD PRO 680 08		
TGA 24.350 - 41.660	03.05-	EFB 740 17 SHD PRO 725 03		
TGE 2,5 TDI 65-80kW Start/Stop	03.17-	AGM 570 01 EFB 570 00		
TGE 2,5 TDI 100-130kW Start/Stop	03.17-	AGM 592 01		
TGL 7.150 - 12.250	04.05-	SHD PRO 645 03 SHD 640 35		
TGM 12.240 - 26.340	10.05-	EFB 690 17 SHD PRO 680 08		
TGS 18.320 - 18.540	10.07-	EFB 690 17 SHD PRO 680 08		
TGS 24.320 - 41.540	10.07-	EFB 740 17 SHD PRO 725 03		
TGX 18.360 - 18.540	10.07-	EFB 690 17 SHD PRO 680 08		
TGX 24.360 - 41.680	10.07-	EFB 740 17 SHD PRO 725 03		
ÜL 242/272/292/313/353	09.89-	EFB 690 17 SHD PRO 680 08		
MAS				
alle Modelle/all models		SHD PRO 680 08 SHD 680 32		
Meili				
AB 44000		635 27		
AB 63500		635 27		
MA 1500		635 27		
MA 1501		635 27		
MA 2500		635 27		
MA 4000		635 27		
MD 1000		610 11		
MD 1001		610 11		
Menarini				
110 L				
316.13		SHD 670 33		
316.8				
370.10.27		SHD 670 33		
370.12.25		SHD 670 33		
370.12.35				
418 AC		SHD PRO 725 03 SHD 725 11		
419 AL		SHD PRO 725 03 SHD 725 11		

A 70.12			EFB 595 15	P95 04
Mercedes-Benz				
ACTROS MP2 1832 - 5048	10.02-	EFB 740 17 SHD PRO 725 03		
ACTROS 1831 - 4148	04.96-10.02	EFB 740 17 SHD PRO 725 03		
ATEGO 2 712 - 1624	10.04-	EFB 690 17 SHD PRO 680 08		
ATEGO 712 - 2628	01.98-10.04	EFB 690 17 SHD PRO 680 08		
AXOR 2 1823 - 3343	10.04-	EFB 740 17 SHD PRO 725 03		
AXOR 1823 - 3228	09.01-10.04	EFB 690 17 SHD PRO 680 08		
CITARO (O 530) G/GNG/N/NG/L	01.98-	SHD PRO 725 03 SHD 725 11		
CITO (O 520) 130 kW	09.98-	SHD PRO 725 03 SHD 725 11		
CONECTO (O 345) C/H/M/UE	11.01-	SHD PRO 725 03 SHD 725 11		
ECONIC 1823 - 3233	03.98-	SHD PRO 725 03 SHD 725 11		
LK/LN2 709 - 2024	01.84-12.98		AGM 592 01	PRO P100 40
LP 608 - LP 1113	09.63-12.84		AGM 592 01	PRO P100 40
MB-TRAC 1000/1100	07.73-12.91	SHD PRO 680 08 SHD 680 32		
MB-TRAC 1300/1400/1500	07.73-12.91	SHD PRO 680 08 SHD 680 32		
MB-TRAC 65/70, 700/800	07.73-12.91	SHD PRO 645 03 SHD 640 35		
MB-TRAC 900	07.73-12.91	SHD PRO 645 03 SHD 640 35		
MK 1222 - 2534	12.87-09.96	SHD PRO 645 03 SHD 640 35		
NG 1013 - 3836	08.73-09.96	SHD PRO 645 03 SHD 640 35		
O 301	09.85-12.87	SHD PRO 645 03 SHD 640 35		
O 303	10.74-09.92	SHD PRO 680 08 SHD 680 32		
O 305	09.67-07.77	SHD PRO 725 03 SHD 725 11		
O 307	04.73-12.87	SHD PRO 725 03 SHD 725 11		
O 309	01.68-02.89		AGM 592 01	PRO P100 40
O 340	01.91-06.95	SHD PRO 725 03 SHD 725 11		
O 402	10.85-12.91	SHD PRO 645 03 SHD 640 35		
O 404	09.91-10.99	SHD PRO 725 03 SHD 725 11		
O 405	09.84-	SHD PRO 725 03 SHD 725 11		
O 407	03.87-11.01	SHD PRO 725 03 SHD 725 11		
O 408	09.89-12.98	SHD 670 33		
SK 1728 - 4850	07.87-09.96	SHD PRO 645 03 SHD 640 35		
T1/TN 407 D - 410 D	01.77-06.95		AGM 592 01	PRO P100 40
T2/LN1 507D - 814D	03.86-12.94	SHD PRO 645 03 SHD 640 35		
T2/L L 407 D - LK 911	01.68-12.88		AGM 592 01	PRO P100 40
TOURINO (O 510)	10.03-	SHD PRO 725 03 SHD 725 11		
TOURISMO (O 350)	09.94-	SHD PRO 725 03 SHD 725 11		
TOURO (O 500)	10.01-	SHD PRO 725 03 SHD 725 11		
TRAVEGO (O 580)	10.99-	SHD PRO 725 03 SHD 725 11		
UNIMOG U 100/110, U 1000 - U 2450	01.66-	SHD PRO 645 03 SHD 640 35		
UNIMOG U 3000/4000/5000	01.66-	600 26		

TRUCKS AND BUSES

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
UNIMOG U 300/400	01.66-	SHD PRO 645 03 SHD 640 35		
UNIMOG U 500	01.66-	SHD PRO 645 03 SHD 640 35		
UNIMOG U 60T, U 600T	01.66-	600 26		
UNIMOG U 66/72/90, U 800/900		SHD PRO 645 03 SHD 640 35		
UNIMOG (U20)	01.12-	635 27		
VARIO 512 D - 818 D	09.96-		AGM 592 01	PRO P100 40
Mitsubishi				
Canter 35/55/60/75	10.97-	610 48		
Mowag				
A 8			AGM 570 01	PRO P77 40
AW-100				P70 24
B-300			AGM 570 01	PRO P77 40
W-300 B				P70 24
Multicar				
M25 1,9 / 2,2	01.78-12.92	SHD PRO 645 03 SHD 640 35		
M26 1,9 / 2,5 / 2,8 / EcoLine, ProfiLine, TransLine	06.92-		AGM 592 01	PRO P100 40
Tremo 501 / 601 / Carrier, S	09.98-		AGM 592 01	PRO P100 40
UX100 H, M	01.99-		AGM 592 01	PRO P100 40
Neoplan				
Centroliner N 4407/4411/4416/4420/4421	10.98-	SHD PRO 680 08 SHD 680 32		
Cityliner N 116/N 1216	04.73-	SHD PRO 680 08 SHD 680 32		
Euroliner N 3316/3318	10.98-	SHD PRO 680 08 SHD 680 32		
Jetliner N 208/213/214/216	09.73-09.93	SHD PRO 680 08 SHD 680 32		
Skyliner N 122	09.73-	SHD PRO 725 03 SHD 725 11		
Spaceliner N 117	09.79-	SHD PRO 725 03 SHD 725 11		
Starliner N 516 - N 5218	09.96-	SHD PRO 725 03 SHD 725 11		
Tourliner N 2216	09.02-	SHD PRO 725 03 SHD 725 11		
Transliner N 314/316/321	12.88-	SHD PRO 680 08 SHD 680 32		
Trendliner N 3516	09.04-	SHD PRO 725 03 SHD 725 11		
Nissan				
Atleon 110.35, 110.56, 120.35, 120.56, 140.70	09.00-		AGM 592 01	PRO P100 40
Atleon 110.56, 120.56, 140.75, 165.76		610 11		
Trade 100 (78 kW) / 3,0 (63 kW) / 75 (55 kW)	03.87-12.00		AGM 570 01	PRO P77 40
L50 - 90		610 11		
OM				
100 - 130 Series		SHD 635 44		
150 - 200 Series		SHD 670 33		
40 - 75			EFB 595 15	P95 04
Daino, Leoncino, Lupetto				P70 24
Leoncino, Lupetto D			EFB 595 15	P95 04
Tigrotto				P70 24
Otomarsan				
O 302		SHD PRO 645 03 SHD 640 35		
Pegaso				
1100 - 1136			AGM 592 01	PRO P100 40
1223 - 1236 / 2331 - 2334 / 2426		SHD PRO 680 08 SHD 680 32		
3041 - 3050 / 3560			AGM 592 01	PRO P100 40
360		SHD PRO 680 08 SHD 680 32		
5068 / 75 / COMET1091 / 1098 / EKUS 100 Turbo / J4 800			AGM 592 01	PRO P100 40
Praga				
S 5 T		SHD 635 44		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
UV 80			AGM 592 01	PRO P100 40
V 3 S		SHD 635 44		
Renault Trucks				
B 55/70/90/110-50	01.83-09.95		AGM 592 01	PRO P100 40
Berliet 130 B/TB, 150 B		SHD PRO 680 08 SHD 680 32		
Berliet 90 B		SHD PRO 645 03 SHD 640 35		
Berliet C 210-380, CBH 280/340, CLM 280/340		SHD PRO 680 08 SHD 680 32		
Berliet GB 131, GB/GC 191		SHD PRO 645 03 SHD 640 35		
Berliet GC 191		SHD PRO 645 03 SHD 640 35		
Berliet GLR 190/230		SHD PRO 680 08 SHD 680 32		
Berliet GR 191/280/305/320/350		SHD PRO 680 08 SHD 680 32		
Berliet JK 60/65/75		SHD PRO 645 03 SHD 640 35		
Berliet PR 10/12/14		SHD PRO 680 08 SHD 680 32		
Berliet TB 191		SHD PRO 645 03 SHD 640 35		
Berliet TBH 280		SHD 670 33		
Berliet TBK6, TCK8, TEK6		SHD PRO 680 08 SHD 680 32		
Berliet TR 250 - 350, TRH 320 - 350		SHD PRO 680 08 SHD 680 32		
C 210.19-340.19, CBH 280.26-385.34, CCH 300.26-300.30	10.82-10.98	SHD 635 44		
C CLM 280.19-385.25, CLR 230.19	10.82-10.98	SHD 635 44		
C Commando Range G08 - 20		625 11		
G 170.11 - 200.18	10.82-09.91	SHD PRO 645 03 SHD 640 35		
G 210.16 - 340.19	10.82-09.91	SHD PRO 645 03 SHD 640 35		
Kerax 260.18 - 500.32	06.97-	EFB 690 17 SHD PRO 680 08		
Magnum AE 385.18 - 560.26	09.90-	EFB 690 17 SHD PRO 680 08		
Magnum DXi 440.18 - 520.26, E.TECH 400.18 - 480.26	09.90-	EFB 740 17 SHD PRO 725 03		
Major R 340ti.16 - 420ti.35	05.91-10.96	EFB 690 17 SHD PRO 680 08		
Manager G 200.13 - 340.26	09.91-10.96	EFB 690 17 SHD PRO 680 08		
Mascott 2,8-3,0 D 110.35 - 160.65	01.99-06.10	610 47		
Maxter G 230ti.19 - 340ti.40	10.92-06.97	SHD PRO 645 03 SHD 640 35		
Messenger B 80.35 - 120.65	05.92-06.99		AGM 592 01	PRO P100 40
Midliner M 140.12 - 250.16, ME 160.13-180.15, S 100.06 - 220.14	09.83-01.00	SHD 635 44		
Midlum 135.08 - 280.18	01.00-	EFB 690 17 SHD PRO 680 08		
Premium 2 Distribution/Lander 240.18 - 460.19, Route 330.18 - 460.26	10.05-	EFB 690 17 SHD PRO 680 08		
Premium Distribution 210.16 - 420.18, Route 300.16 - 420.26	04.96-12.05	SHD PRO 680 08 SHD 680 32		
R 310.16 - 350.26	10.80-10.91	SHD 670 33		
R 365.17 - 420.35	10.80-10.91	EFB 690 17 SHD PRO 680 08		
Saviem 650, 1080		SHD PRO 645 03 SHD 640 35		
Saviem 6126 - 9168		SHD PRO 645 03 SHD 640 35		
Saviem 10.215 - 19.280		SHD PRO 645 03 SHD 640 35		



TRUCKS AND BUSES

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Saviem 21.215 - 32.256		SHD PRO 645 03 SHD 640 35		
Saviem HL, HM, HN, HP		SHD PRO 645 03 SHD 640 35		
Saviem JK 60 / JN 80		SHD PRO 645 03 SHD 640 35		
Saviem JN, JP, JR / JX		SHD PRO 645 03 SHD 640 35		
Saviem P 35 D / PS 30 / PS 30 (TELMA)		SHD PRO 645 03 SHD 640 35		
Saviem SM (24V) 5, SM 6/7/8-13		SHD PRO 645 03 SHD 640 35		
Saviem TP 3			AGM 592 01	PRO P100 40
Robur				
alle Modelle/all models		SHD 670 33		
Roman				
alle anderen Modelle/ all other models		SHD PRO 725 03 SHD 725 11		
L 60		SHD PRO 680 08 SHD 680 32		
S 400		SHD PRO 680 08 SHD 680 32		
W 50		SHD PRO 680 08 SHD 680 32		
Santana				
LR 119 2,3		SHD PRO 645 03 SHD 640 35		
LR 1300 2,3 D, -Ejercito		625 11		
LR 2000 3,4 D, -Ejercito		SHD PRO 645 03 SHD 640 35		
LR 13002, 13003		625 11		
Saurer				
andere Modelle/ other models		SHD PRO 645 03 SHD 640 35		
D D 180 - D 330		SHD PRO 645 03 SHD 640 35		
Sava				
5720			AGM 592 01	PRO P100 40
J41000, J41100, J4700, J4800			AGM 592 01	PRO P100 40
Scammell				
Handyman			AGM 592 01	PRO P100 40
Routeman, Trunker		625 13		
Scania				
2 - Series 112,92	05.80-05.88	SHD PRO 645 03 SHD 640 35		
2 - Series 82	05.80-05.88	SHD PRO 645 03 SHD 640 35		
2 - Series R/T 142	05.80-05.88	SHD PRO 680 08 SHD 680 32		
3 - Series bus K 113, L 113	01.89-12.97	SHD PRO 680 08 SHD 680 32		
3 - Series bus K 93	01.89-12.97	SHD PRO 645 03 SHD 640 35		
3 - Series 113, T 113	01.88-12.96	SHD PRO 680 08 SHD 680 32		
3 - Series 143, T 143	01.88-12.96	SHD PRO 680 08 SHD 680 32		
3 - Series 93, T 93	01.88-12.96	SHD PRO 645 03 SHD 640 35		
4 - Series 114, 94, T 114, T 94	09.95-09.04	EFB 690 17 SHD PRO 680 08		
4 - Series 124 / 144 / 164	09.95-09.04	EFB 740 17 SHD PRO 725 03		
4 - Series T 124 / 144	09.95-09.04	EFB 740 17 SHD PRO 725 03		
G 230/270/340/380/420	03.04-	EFB 690 17 SHD PRO 680 08		
P/G/R 230-480	03.04-	EFB 690 17 SHD PRO 680 08		
P/G/R/T 230-620	03.04-	EFB 740 17 SHD PRO 725 03		
Seddon Atkinson				
B 14.215B, 18.215B, 18.235B		625 11		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
B 21.215B		SHD PRO 645 03 SHD 640 35		
C 26.245C, 26.280C		SHD PRO 680 08 SHD 680 32		
Strato Cruiser		SHD PRO 680 08 SHD 680 32		
Strato day cab		625 11		
Strato sleeper cab		SHD PRO 680 08 SHD 680 32		
2-11 Series / 200 Series / 201 Series		610 47		
3-11 Series / 300 Series / 301 Series		625 11		
4-11 Series / 400 Series / 401 Series		625 11		
Europacer / Pacer		EFB 690 17 SHD PRO 680 08		
Pegaso		EFB 740 17 SHD PRO 725 03		
Setra				
Comfort Class 400 S 415 - 417	10.03-	SHD PRO 725 03 SHD 725 11		
Top Class 400 S 411 - 431	06.01-	SHD PRO 725 03 SHD 725 11		
Shelvolke & Dempster				
1290 - 1891		SHD PRO 680 08 SHD 680 32		
320, 320 (6x6)		SHD PRO 680 08 SHD 680 32		
680 M, 790		SHD PRO 645 03 SHD 640 35		
890, 990, 990A		SHD PRO 680 08 SHD 680 32		
TBY (24V)		610 48		
Sisu				
A-45 CL		SHD PRO 680 08 SHD 680 32		
E 11, E 12, E 14, E 18		SHD PRO 680 08 SHD 680 32		
Jury		SHD PRO 680 08 SHD 680 32		
Kontio		SHD PRO 680 08 SHD 680 32		
M-Series		SHD PRO 680 08 SHD 680 32		
SK 170, 171, 190		SHD PRO 680 08 SHD 680 32		
SL 190, 210		SHD PRO 680 08 SHD 680 32		
SM 220, 280, 300, 332, 372		SHD PRO 680 08 SHD 680 32		
SR 160, 300, 320		SHD PRO 680 08 SHD 680 32		
Skoda				
Bus AB 21		SHD 635 44		
Spykstaal				
alle Modelle Benzin/ all models petrol			AGM 570 01	PRO P77 40
alle Modelle Diesel/ all models diesel			AGM 592 01	PRO P100 40
Steyr Daimler Puch				
10 S-Series 10 S 14 / 10 S 18		SHD 635 44		
11 S-Series 11 S 14 / 11 S 18			AGM 592 01	PRO P100 40
12 M-Series 12 M 18 / 12 M 21		SHD PRO 645 03 SHD 640 35		
12 S-Series 12 S 14 / 12 S 18 / 12 S 21		SHD 635 44		
1290-Series 1290		SHD PRO 680 08 SHD 680 32		
1291-Series 1291		SHD PRO 645 03 SHD 640 35		
13 S-Series 13 S 23 / 13 S 14 / 13 S 18 / 13 S 21		SHD 635 44		

TRUCKS AND BUSES

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
1391-Series 1391		SHD PRO 645 03 SHD 640 35		
14 S-Series 14 S 14 / 14 S 18 / 14 S 21		SHD 635 44		
1490-Series 1490		SHD PRO 645 03 SHD 640 35		
1491-Series 1491		SHD PRO 645 03 SHD 640 35		
15 S-Series 15 S 23 / 15 S 14 / 15 S 18 / 15 S 21		SHD PRO 645 03 SHD 640 35		
16 S-Series 16 S 21 / 16 S 23 / 16 S 14 / 16 S 18		SHD PRO 645 03 SHD 640 35		
17 S-Series 17 S 18 / 17 S 21 / 17 S 23		SHD PRO 645 03 SHD 640 35		
1890-Series 1890		SHD PRO 680 08 SHD 680 32		
1891-Series 1891		SHD PRO 680 08 SHD 680 32		
19 S-Series 19 S 39		SHD PRO 645 03 SHD 640 35		
19 S-Series 19 S 24 / 19 S 28		SHD PRO 645 03 SHD 640 35		
19 S-Series 19 S 31 / 19 S 34 / 19 S 37		SHD PRO 680 08 SHD 680 32		
22 S-Series 22 S 28		SHD PRO 645 03 SHD 640 35		
22 S-Series 22 S 31 / 22 S 34 / 22 S 37		SHD PRO 680 08 SHD 680 32		
26 S-Series 26 S 28		SHD PRO 645 03 SHD 640 35		
26 S-Series 26 S 31 / 26 S 34 / 26 S 37		SHD PRO 680 08 SHD 680 32		
2891-Series 2891		SHD PRO 645 03 SHD 640 35		
32 S-Series 32 S 28		SHD PRO 645 03 SHD 640 35		
32 S-Series 32 S 31 / 32 S 34 / 32 S 37		SHD PRO 680 08 SHD 680 32		
33 S-Series 33 S 31 / 33 S 34		SHD PRO 645 03 SHD 640 35		
40 S-Series 40 S 31 / 40 S 34 / 40 S 37		SHD PRO 645 03 SHD 640 35		
480-Series 480		SHD PRO 645 03 SHD 640 35		
586/590-Series 586, 590		SHD PRO 645 03 SHD 640 35		
591/691-Series 591, 691			AGM 592 01	PRO P100 40
680/690-Series 680, 690		SHD PRO 645 03 SHD 640 35		
790/791-Series 790, 791		SHD PRO 645 03 SHD 640 35		
880/990/991-Series 880, 990, 991		SHD PRO 680 08 SHD 680 32		
890/891-Series 890		SHD PRO 645 03 SHD 640 35		
Pinzgauer Turbo D			AGM 592 01	PRO P100 40
SFL 11 HUA 280		SHD PRO 680 08 SHD 680 32		
SG 18 HUA 280		SHD PRO 680 08 SHD 680 32		
SL 11 HU 250 / SL 11 HUA 280		SHD PRO 680 08 SHD 680 32		
SS 11 HU 200 / SS 11 HUA 280		SHD PRO 680 08 SHD 680 32		
S 9 S 14 / 9 S 18		SHD 635 44		
380, 780		SHD PRO 645 03 SHD 640 35		
991		SHD PRO 680 08 SHD 680 32		
Tatra				
P/S 148 P3, 148S1/S3/S256		SHD PRO 680 08 SHD 680 32		
T 138 / 148		EFB 690 17 SHD PRO 680 08		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
T 813 / 815 / 815-2		EFB 740 17 SHD PRO 725 03		
Terberg				
Com. Tr 200/4 200/6		SHD PRO 645 03 SHD 640 35		
FM 1350/1450/1950/2000/ 2800/3000		SHD PRO 680 08 SHD 680 32		
F 1100/1150/1350/1450/1550		SHD PRO 645 03 SHD 640 35		
F 1850/1900/2000/2850		SHD PRO 680 08 SHD 680 32		
F950/975/1050		SHD PRO 645 03 SHD 640 35		
RT20 / RT220 4 x 4		SHD PRO 645 03 SHD 640 35		
SF 1200/1300/1350/1450		SHD PRO 645 03 SHD 640 35		
TER 170/190		SHD PRO 645 03 SHD 640 35		
TER 200/280		SHD PRO 645 03 SHD 640 35		
TSR 100U/1025/1100		SHD PRO 645 03 SHD 640 35		
TT17		SHD PRO 680 08 SHD 680 32		
YT180 4 x 2		SHD PRO 645 03 SHD 640 35		
Toyota				
Dyna 100			EFB 565 15	P60 68
Dyna 100 Diesel			EFB 570 15	P70 29
Dyna 150				P60 69
Dyna 150 - 200 Diesel			EFB 595 15	P95 04
Dyna 2,5 - 4,6 D4D			EFB 595 15	P95 04
Dyna LY60 - LH80				P70 24
Dyna YH81				P60 69
Dyna YH81 Diesel				P70 24
F6		SHD PRO 725 03 SHD 725 11		
HJ 45 (Diesel)				P70 24
Stout (RK 110)				P70 24
VEB FZ. Werke				
L 60-Series L 60		SHD PRO 680 08 SHD 680 32		
Multicar M 21 / M 24 / M 25 / M 25A		SHD PRO 645 03 SHD 640 35		
W 50-Series W 50		SHD PRO 645 03 SHD 640 35		
Volkswagen				
L 80 4,3 -Delivery, Worker, G 90	07.95-		AGM 592 01	PRO P100 40
Volvo				
7700	06.06-	SHD PRO 725 03 SHD 725 11		
9700	04.01-	SHD PRO 725 03 SHD 725 11		
9900	10.01-	SHD PRO 725 03 SHD 725 11		
B 12	01.92-	SHD PRO 680 08 SHD 680 32		
F 4 F406/408		610 47		
F 6 F609-617		610 47		
F 7		SHD PRO 645 03 SHD 640 35		
F 10/F 12 F10/260-320, F12/320-410	08.77-12.94	SHD PRO 645 03 SHD 640 35		
F 16/470-500	10.87-12.94	EFB 690 17 SHD PRO 680 08		
FE 240-18 - 340-26	05.06-	EFB 690 17 SHD PRO 680 08		
FH 12 FH12/340-500	08.93-	EFB 690 17 SHD PRO 680 08		
FH 16 FH16/470-700	08.93-	EFB 690 17 SHD PRO 680 08		



TRUCKS AND BUSES

Brand / Model designation	Year of manu- facture	Buffalo Bull	Running Bull	Power Bull
FH 400 - 610	09.05-	EFB 740 17 SHD PRO 725 03		
FL 10 / FL 12 FL10/280-360, FL12/380-420	09.85-09.98	SHD PRO 645 03 SHD 640 35		
FL 4 FL408	02.86-10.89	610 11		
FL 6 FL608 - 619	09.85-03.00	SHD PRO 645 03 SHD 640 35		
FL 7 FL7/230-290	09.85-09.98	SHD PRO 645 03 SHD 640 35		
FL II FL240-12 - 290-18	05.06-	EFB 690 17 SHD PRO 680 08		
FLC 140	09.96-09.00	610 11		
FL 108-10 - 250-18	03.00-	SHD PRO 645 03 SHD 640 35		
FM 10, FM 12FM10/320-460, FM12/340-460	09.98-09.05	EFB 690 17 SHD PRO 680 08		
FM 7, FM 9 FM7/250-290, FM9/260-380	08.98-09.05	EFB 690 17 SHD PRO 680 08		
FM 300 - 500	09.05-	EFB 740 17 SHD PRO 725 03		
FS 7 FS718	11.91-03.96	SHD PRO 645 03 SHD 640 35		
N 10 N10/270-300	01.73-12.89	SHD PRO 645 03 SHD 640 35		
NH 12 NH12/380-420	05.99-	EFB 690 17 SHD PRO 680 08		

AGRICULTURAL AND CONSTRUCTION MACHINERY

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
ABG				
Roadroller		680 89		
Adriatica				
Major Mac, Master Mac			AGM 570 01	PRO P77 40
Super Mac				PRO P50 40
Aebi				
KT 65, KT 80			AGM 592 01	PRO P100 40
MFH 500, 2500			AGM 592 01	PRO P100 40
Multicar FUMO, Hydrostat			AGM 592 01	PRO P100 40
Multicar TREMO			AGM 592 01	PRO P100 40
S2 - S 10		600 26		
T 80, T 90			AGM 592 01	PRO P100 40
TC 07				530 30 Starting Bull
TP 1000 Benzin/petrol, TP 1000 Diesel				
TP 1000A				
TP 20 - TP 67			AGM 592 01	PRO P100 40
TP 35			AGM 592 01	PRO P100 40
TP 48, P			AGM 592 01	PRO P100 40
TP 68			AGM 592 01	PRO P100 40
TP 88			AGM 592 01	PRO P100 40
TP 98 K			AGM 592 01	PRO P100 40
TT 120 - TT 270			AGM 592 01	PRO P100 40
TT 33				
TT 40			AGM 570 01	PRO P77 40
TT 55			AGM 570 01	PRO P77 40
TT 75			AGM 570 01	PRO P77 40
TT 77, TT 80			AGM 592 01	PRO P100 40
Universal H 77			AGM 592 01	PRO P100 40
Agip-Fiori				
Concretedumper 2 tons				P70 24
Agrale				
BX 6110, BX 6150		SHD PRO 645 03 SHD 640 35		
Agria				
4700, 4800 (15, 16, 23 HP)				PRO P50 40
4800 Ruggerini				PRO P50 40
4800/45 (16 HP), 4800/48 (12&16 HP)				PRO P50 40
4900 - 7200				PRO P50 40
8500			AGM 570 01	PRO P77 40
9300				PRO P50 40
9900 E			AGM 570 01	PRO P77 40
Agrifull				
230 C - 355 C			AGM 570 01	PRO P77 40
50 - 65			AGM 580 01	PRO P84 40
68 SC				PRO P50 40
70 C - 80 C			AGM 592 01	PRO P100 40
Derby 60, Griso 70, 75			AGM 580 01	PRO P84 40
Jolly 40, 50			AGM 570 01	PRO P77 40
Pinto 6110, Pinto 6115		SHD PRO 680 08 SHD 680 32		
Agrostroj				
SP8-050		SHD PRO 680 08 SHD 680 32		
TZ-4K14			AGM 560 01	PRO P63 40
Ahlmann-Mecalac				
AK25, 40		680 89		
AS 12		SHD PRO 645 03 SHD 640 35		
Akerman-Volvo				
200		600 26		
350 (Volvo motor)		600 26		
EC280		SHD PRO 645 03 650 11		
EC340, 390, 420, 450, 620, 650		SHD PRO 680 08 680 11		
L190		680 89		
Aktiv-Sampo				
Combine harvester 580 - 690			AGM 592 01	PRO P100 40
Aktiv				
Combine harvester 580 - 690			AGM 592 01	PRO P100 40

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
AL-KO				
alle Modelle/all models				PRO P50 40
Allis-Chalmers				
345, 545, 615, 745		680 89		
545, serie B		610 11		
B-diesel		600 26		
HD-21, HD-21A, FGP		680 89		
HD-6, HD-11, HD-16, HD7G		680 89		
Wheel loaders TL-14/-16/-20, BTL-16/-20, TL-30/-40/-40D		680 89		
AMA				
AMA AMV1.L borrvagn				PRO P50 40
AMA 7CP 140S, 185 S, 250 S		SHD PRO 680 08 SHD 680 32		
C-140S, 185 S, 250 S		SHD PRO 680 08 SHD 680 32		
SC 40 DS			AGM 592 01	PRO P100 40
SC 5DS		SHD PRO 645 03 SHD 640 35		
SC 30DS, - 40 DS			AGM 570 01	PRO P77 40
Ameise				
EJC - EJ12B		SHD PRO 680 08 SHD 680 32		
Propermat KS 55, 57		SHD PRO 680 08 SHD 680 32		
Propermat PSE				PRO P50 40
Antonio-Carraro				
alle Modelle/all models			AGM 570 01	PRO P77 40
ARA				
Excavator alle Modelle/all models		SHD PRO 680 08 680 11		
Arbra				
Rotary snow-plough SD 15, SG 15				P70 24
Armal				
MV 135, 185, 250		SHD PRO 645 03 SHD 640 35		
Arnoux				
W 33 - 45			AGM 580 01	PRO P84 40
ASEA				
G(B, D, G) T120-1, H120-1, 25-1		610 11		
GMD32		625 11		
H120-1, H25-1		610 11		
Atila				
Excavators 1202 - 1602		SHD PRO 680 08 680 11		
Excavators 1704		SHD PRO 645 03 650 11		
Atkinson				
DUMP TRUCK & SNOW PLOUGH (Internal)		625 13		
DUMP TRUCK (Other Eng.)		610 11		
DUMP TRUCK (Cummins Eng.)		625 11		
Atlas Copco				
1602		SHD PRO 680 08 SHD 680 32		
35B, 35D		610 11		
58 I/S, 75 DBA		610 11		
80 I/S		SHD PRO 645 03 SHD 640 35		
Air Partner Unit		610 11		
Arpic 160, 220, 240, 350, 500, 600		680 89		
H775		610 11		
KXA 60, 120, 180 Serie		600 26		
PNS 1200		SHD PRO 680 08 SHD 680 32		
PR365RD, PR363COD, PR600RD		610 48		
PR600, PR 600Cud, PR600Rd		610 48		
PR700, VOD, 600D		600 26		
PRH, PRSS, 700D		600 26		



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Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
PT1200Gd		SHD PRO 680 08		
PT900 GD		SHD 680 32		
PT900, 1000, 1200DD		680 89		
PTHS 1200 DD		600 26		
ROC 712H		600 26		
ROC 920 HC		625 11		
ROC410HC, H127		600 26		
ST (S) 71/95		625 11		
VSS250		600 26		
VSS335		SHD PRO 645 03		
VT3/4, VT5		SHD 640 35		
VT5/VSS		610 48		
VT6		600 26		
XA (S) 125, 160, 175 Serie		610 11		
XA/XAS/XASS 60, 80, 120, 160		600 26		
XRHS 350		625 11		
Derrick Boomer H 175		SHD 670 33		
Derrick H127		610 11		
Derrick M28 AL		625 13		
680 89				
Atlas				
1102 - 1902		SHD 670 33		
1304 - 1804		600 26		
1602B/D, 1622D, 1702, 1902		SHD 670 33		
804		600 26		
Aveling-Barford				
28,35,40		625 13		
GB, GF, GR		610 48		
GC		SHD PRO 680 08		
GC (Ford & Ruston Eng.)		680 11		
GC4 (Lister & Ford Eng.)		SHD PRO 645 03		
GC4 (Lister 24V)		650 11		
GD		SHD PRO 670 33		
GD4 (Perkins & Ford Eng.)		SHD PRO 680 08		
GF & GR		680 11		
MG3, MG4, MG5		SHD PRO 645 03		
MT1		650 11		
RD30, 35, 40, 50, 55		625 11		
SL2, SL3 (Cummins)SW3/557>		625 11		
SR1		610 48		
Super 700		625 11		
SW4, SW5		610 48		
TG12, TG14		625 11		
TS125, 140, 150 (Matbro)		625 11		
TS185, 200, 230 (Leyland, Ford, Perkins Eng.)		SHD PRO 645 03		
VR3, VR4		650 11		
WXL13, WXL24		610 48		
625 11				
AVTO				
B 335, Belarus 40, 611, 800, Belarus 820, Commodore			AGM 580 01	PRO P84 40
D 254		SHD PRO 645 03		
		SHD 640 35		
T 150 K			AGM 580 01	PRO P84 40
D 45, F 43/8 S, MTS 82, MTZ 80			AGM 580 01	PRO P84 40
T 600, 604, Titan 1100 - 1310			AGM 580 01	PRO P84 40
Barber-Greene				
522 - 879 Benzin/petrol				P70 24
Barker B 1000			EFB 570 15	P70 29
Bautz				
1100 - 1310			AGM 580 01	PRO P84 40
1111			AGM 592 01	PRO P100 40
1301		SHD PRO 680 08		
		SHD 680 32		
2000			AGM 592 01	PRO P100 40
AL 122 - AW 120 U			AGM 570 01	PRO P77 40
D 12, 14			AGM 592 01	PRO P100 40

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
D 254		SHD 635 44		
T 600			AGM 592 01	PRO P100 40
T 600/30 /40/600S			EFB 570 15	P70 29
T 600 V			EFB 595 15	P95 04
T 604			AGM 592 01	PRO P100 40
BCS				
701			AGM 560 01	PRO P63 40
Motofalciatrici				PRO P50 40
Belarus				
1507		SHD PRO 645 03		
		SHD 640 35		
Tractors 505		625 11		
Tractors DZ133, 820, 525		610 11		
Tractors LT2-T40, LT2-T40K		SHD 670 33		
Belos				
Garden Tractors 252 - 275			EFB 555 15	P45 23
Garden Tractors 816, 817				PRO P50 40
Belotti				
B 75		SHD PRO 725 03		
		SHD 725 11		
Benati				
alle Modelle/all models			AGM 570 01	PRO P77 40
Berkby				
2600 - 6300			AGM 570 01	PRO P77 40
Bertolini				
310 - 315				P70 24
421				PRO P50 40
424 - 432			AGM 560 01	PRO P63 40
4503 C			AGM 560 01	PRO P63 40
510 - 534			AGM 560 01	PRO P63 40
533 DT				P70 24
Bima				
285, 300, 325, 360		SHD PRO 680 08		
		SHD 680 32		
Blaw Knox				
PF 35				P70 24
Bobard				
410 - 580 TR			AGM 580 01	PRO P84 40
53 B, 58, 68 L			AGM 592 01	PRO P100 40
620, 621			AGM 592 01	PRO P100 40
625 A - 630 Turbo			AGM 580 01	PRO P84 40
70, 77, 730			AGM 592 01	PRO P100 40
A 35, B 30			AGM 580 01	PRO P84 40
B 45			AGM 592 01	PRO P100 40
B 54, Bob K 53 B, C 70 - CC III 55, Ceres 3000			AGM 580 01	PRO P84 40
H 35, 55, K 1000/40, K 30 - K38			AGM 580 01	PRO P84 40
K 42 - K 68 L			AGM 592 01	PRO P100 40
M 30, 40, 45			AGM 580 01	PRO P84 40
M 55, 75, 90			AGM 592 01	PRO P100 40
M 60 3 rangs			AGM 580 01	PRO P84 40
M 90 4x4			AGM 592 01	PRO P100 40
MT 95, P 30, Poly-Bob			AGM 580 01	PRO P84 40
PX 55 - PX 60, 621			AGM 592 01	PRO P100 40
TRP 113		SHD 670 33		
V 500				P95 05
Bobcat				
Minibagger 319, 320,...				PRO P63 42
611, 721, 825		625 11		
864 H		625 11		
X 320, X 331		625 11		
790, K, O		SHD PRO 645 03		
650 11				
Boki				
2050				PRO P50 40
4550			AGM 592 01	PRO P100 40
Bolens				
Lawnmower GT 16, 1900 H, Tractors				PRO P50 40
Lawnmower HT 20				P70 24
Bolinders-Volvo				
T 1641		SHD PRO 680 08		
		680 11		

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Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
230, 32		SHD PRO 645 03 650 11		
2654		SHD PRO 680 08 680 11		
35, 36, 55		SHD PRO 680 08 680 11		
350, 400, 430, 470		SHD PRO 680 08 680 11		
600, 620, 640, 650		SHD PRO 680 08 680 11		
800, 810, 814		SHD PRO 680 08 680 11		
BM 975, BM 1240		625 11		
LM 1240		625 11		
LM 218		SHD PRO 645 03 650 11		
S 950, S 1000		SHD PRO 680 08 680 11		
VHK 115, VHK 116, VHK 310		SHD PRO 645 03 650 11		
Bomag				
BV 101 AB			AGM 592 01	PRO P100 40
BW 100AD, BW 101A, BW 120ADL			AGM 580 01	PRO P84 40
BW 160		SHD PRO 645 03 SHD 640 35		
Compactor BT 60/4, 65/4			AGM 560 01	PRO P63 40
Compactor BT 80 D			AGM 570 01	PRO P77 40
K 351, K 451, K 3008		SHD PRO 680 08 SHD 680 32		
Steamroller BW 90			EFB 595 15	P95 04
Steamroller BW 200		680 89		
Bourgoin				
300 M, 406 M		SHD PRO 645 03 SHD 640 35		
Axiale SP		SHD PRO 680 08 SHD 680 32		
CX 400 M		SHD PRO 645 03 SHD 640 35		
Doux		SHD PRO 645 03 SHD 640 35		
DP 5		SHD PRO 645 03 SHD 640 35		
DP 7, TZ 7		SHD PRO 680 08 SHD 680 32		
GM 3, 4		SHD PRO 680 08 SHD 680 32		
GR 10		SHD PRO 645 03 SHD 640 35		
GX 300, 400		SHD PRO 680 08 SHD 680 32		
GX 406		SHD PRO 645 03 SHD 640 35		
GX Axial		SHD PRO 645 03 SHD 640 35		
GX MD, GX300, GX400		SHD PRO 645 03 SHD 640 35		
GY 103, GY 104, GY 134		SHD PRO 680 08 SHD 680 32		
MTH		SHD PRO 645 03 SHD 640 35		
Bouyer				
900		SHD PRO 645 03 SHD 640 35		
Elan			AGM 580 01	PRO P84 40
Braud				
1014,1020,1114,1214		SHD PRO 680 08 SHD 680 32		
105,108		SHD PRO 680 08 SHD 680 32		
2414, 2514, 2614, 2714		SHD PRO 680 08 SHD 680 32		
258, 405, 502, 503, 504, 505		SHD PRO 680 08 SHD 680 32		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
600, 602, 603, 604, 605, 650		SHD PRO 680 08 SHD 680 32		
700, 701, 750		SHD PRO 680 08 SHD 680 32		
800, 801		SHD PRO 680 08 SHD 680 32		
Bray				
560, 562, 566, 570, 572, 577, 588		625 11		
H4, H8		SHD PRO 645 03 SHD 640 35		
H7		680 89		
Brodway				
Excavator City			AGM 570 01	PRO P77 40
Broom & Wade				
SV398 (Leyland Eng.)		610 48		
WR125, WR160 (Perkins or Ford Eng.)		610 11		
WR315, WR380 (Leyland Eng. D)		610 48		
WR85, WR100		610 11		
Bruunett				
578F		SHD 670 33		
678F, 878		625 13		
Bröyt				
X2B		SHD PRO 725 03 SHD 725 11		
X3		SHD PRO 645 03 SHD 640 35		
X3L, X4T, X31TL		SHD PRO 680 08 SHD 680 32		
X4, X30, X50, X30T		SHD PRO 680 08 SHD 680 32		
X41L, X42TF, X45TB, X52WF		SHD PRO 680 08 SHD 680 32		
Bucher				
1600 - 2800			AGM 592 01	PRO P100 40
Jenit 4000			AGM 592 01	PRO P100 40
Polytrac 40		600 26		
Polytrac 50			AGM 592 01	PRO P100 40
TM 600			AGM 560 01	PRO P63 40
TM 800, 850			AGM 570 01	PRO P77 40
TM 1000			AGM 592 01	PRO P100 40
alle anderen Modelle/ all other models			AGM 592 01	PRO P100 40
Excavator 206			AGM 592 01	PRO P100 40
Excavators FG 20, 25 truck				P70 24
Excavator M 700				P70 24
Excavator S 15		SHD PRO 645 03 SHD 640 35		
Bucher Schörling				
1500		625 11		
Dumpers 860/861		680 89		
215, 225, 235, 245		680 89		
215BS, 225B, 235B		680 89		
616B, 646		610 11		
FE18		610 48		
FE20, 28		680 89		
S15		SHD PRO 645 03 SHD 640 35		
Buch				
D40, 50, 452, 454			AGM 592 01	PRO P100 40
Bungartz & Peschke				
LSMA				PRO P50 40
Bührer				
465, 475		625 13		
465L		SHD 635 44		
BD2, EFD6, GP21		SHD PRO 645 03 SHD 640 35		
MEF18, MS12, MS 13		610 11		
OP17, OP18, OS13		610 11		
RF19		610 11		



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Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
RP21		SHD PRO 645 03		
SUPER STANDARD DF18		SHD 640 35		
TM 4		610 11		
UM4, UPM4, UNM4		610 11		
VS13		610 11		
ZS13, ZS21		610 11		
Büschler				
TP 1200 - 2000				P70 24
TP 2400			AGM 592 01	PRO P100 40
TP 2600				P70 24
Cancom				
709			EFB 555 15	P45 23
Carraro Antonio				
Carrarino Super Series 43, Carrarino Super, Mini, Carrarino				PRO P50 40
Motocoltivatore Carrarino 390, 500, 510				PRO P50 40
alle anderen Modelle/all other models			AGM 570 01	PRO P77 40
3600 0 series, 5 series specials T3			AGM 580 01	PRO P84 40
3600 5 series standard T2, T3			AGM 592 01	PRO P100 40
Case IH				
1600CV/D, 1700CV/D, 1800CV/D		625 13		
1830, 1845		610 48		
2670		625 13		
354, 444, 454(D)		610 48		
450		SHD PRO 680 08		
		SHD 680 32		
500, 574		610 48		
580/590		625 13		
634, 674, 684, 685		625 13		
770-780, 784,		625 13		
880, 885 Selectamatic		610 11		
955, 956, 1055, 1056		SHD 635 44		
970, 1150, 1200, 1210, 1212		610 11		
990, 990/1, 995, 996 Selectamatic		610 11		
B2275BTD8, 125B, 634, 3400, 3500		625 13		
B276 (Diesel)		610 48		
B5, B85, BH25, BH85, H25B		610 48		
BUD154		610 48		
Beltloaders 100B		625 13		
Beltloaders 114,125		625 11		
Beltloaders 165		610 11		
Construction 2090-2470		610 11		
Construction 2590 - 2870		610 48		
Construction 3294 - 3594		610 48		
Construction 385 - 885		610 48		
Construction 4490 - 4994		610 48		
Construction 580		625 13		
Construction H85		610 48		
Construction UNI LOADER1835B, 1845B		625 13		
Construction W7E, W10E		610 48		
Construction W9B, W12		610 11		
Dumpers 15, 22, 25, 42, 60		680 89		
Dumpers 769, 773, 777		680 89		
Dumpers K414B		SHD PRO 645 03		
		632 11		
Dumpers K425B, K442B, K540		SHD PRO 680 08		
		SHD 680 32		
Dumpers K435, K442, K445, K540		680 89		
Dumpers K555, K565		SHD PRO 680 08		
		SHD 680 32		
Dumpers TD 150, 539		680 89		
Dumpers TD-20C		680 89		
Dumpers TD-24		SHD 670 33		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Dumpers TD-8B		625 11		
Excavators D8-61/62, 275, 276		610 48		
Excavator IH 640-HD		625 11		
Case				
1000-Series 1100		625 13		
1000-Series 1180		SHD PRO 680 08		
		SHD 680 32		
1000-Series 1190, 1194, 1290, 1294, 1390, 1394		625 13		
1000-Series 1255XL, 1455XL		SHD PRO 680 08		
		SHD 680 32		
1000-Series 1270, 1370		610 48		
1000-Series 1280, 1380, 1580		SHD PRO 680 08		
		SHD 680 32		
1000-Series 1490, 1494, 1594, 1690, 1694		625 13		
1000-Series 1880		SHD PRO 680 08		
		SHD 680 32		
200-Series 205,255		625 13		
2000-Series 2090, 2094, 2290, 2294, 2390, 2670		610 48		
300-Series 305		625 13		
300-Series 355, 455, 555		625 13		
3000-Series 3210, 3220, 3230		625 13		
400-Series 415, 415M		625 13		
400-Series 440-8, 480-8		SHD 670 33		
400-Series 466, 480/8		SHD PRO 645 03		
		632 11		
400-Series 485XL		610 48		
400-Series 495XL		625 13		
4000-Series 4210, 4220, 4230, 4240, 4494, 4694, 4894		625 13		
4000-Series 4566		SHD PRO 680 08		
		SHD 680 32		
4000-Series 4890		610 48		
500-Series 502, 504, 512		625 13		
500-Series 505		SHD 670 33		
500-Series 566		SHD PRO 645 03		
		632 11		
500-Series 585XL		610 48		
500-Series 590		SHD PRO 680 08		
		SHD 680 32		
500-Series 595 Super		625 11		
500-Series 595XL		625 13		
5000-Series 5566, 6090		SHD PRO 680 08		
		SHD 680 32		
600-Series 600, 602, 604		625 13		
600-Series 605		SHD 670 33		
600-Series 640, 680		SHD PRO 680 08		
		SHD 680 32		
600-Series 650, 655, 755, 855		SHD 670 33		
600-Series 685XL		610 48		
600-Series 695XL		625 13		
6000-Series 6000, 6100, 6200, 6300, 6400, 6600, 6800, 6900		SHD 670 33		
6000-Series 6250, 6350, 6550, 6650, 6850		SHD PRO 680 08		
		SHD 680 32		
6000-Series 6250Hi-6850Hi, 8050Hi-8950Hi		SHD 670 33		
6000-Series 6400A, 6600A		SHD 670 33		
700-Series 700, 702, 703, 710, 712, 742, 755		625 13		
700-Series 705, 715 M		SHD 670 33		
700-Series 780		SHD PRO 680 08		
		SHD 680 32		
800-Series 800		625 13		
800-Series 850		SHD PRO 725 03		
		SHD 725 11		
800-Series 855		SHD 670 33		
800-Series 865, 895XL		625 13		
8000-Series 8000, 8050, 8100, 8150, 8200, 8350, 8400, 8450		SHD PRO 680 08		
		SHD 680 32		

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Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
8000-Series 8550, 8750, 8950		SHD PRO 680 08 SHD 680 32		
900-Series 900, 945		SHD PRO 725 03 SHD 725 11		
900-Series 916, 918		610 48		
Caterpillar Tractors 1150 A, B, C		610 48		
Caterpillar Tractors 1450, 1450B		SHD PRO 645 03 632 11		
Caterpillar Tractors 450		SHD PRO 680 08 SHD 680 32		
Magnum MX 180, 200, 220, 240, 270		610 48		
Maxxum 5120, 5130, 5140, 5150		610 48		
Maxxum MX 100, 110, 120, 135, 150, 170		610 48		
Maxxum MXM 120, 130, 140, 155, 175, 190		SHD PRO 680 08 SHD 680 32		
Mega 8300, 8600		610 11		
Mega 8400		SHD 670 33		
Mezzo 6100, 6200, 6300, 6400, 6600, 6800, 8000, 8100		SHD 670 33		
Minisneaker DH4, DH5		610 11		
Raupenbagger CX700		SHD PRO 645 03 632 11		
Raupenbagger CX800		SHD PRO 725 03 SHD 725 11		
Tractors 180-90		SHD PRO 680 08 SHD 680 32		
Tractors 60-94, 65-94, 72-94		SHD PRO 680 08 SHD 680 32		
Tractors 95, 105, 115, X100, X110, X120		SHD 670 33		
Tractors C10-4		SHD 670 33		
Tractors C110		625 11		
Tractors CS 100, 110, 130, 150		SHD PRO 680 08 SHD 680 32		
Tractors CVX 120, 130, 150, 170, MXM 120-190, CS 110		SHD PRO 680 08 SHD 680 32		
Tractors CX 50 - 100		625 13		
Tractors G170, G190, G210, G240		610 11		
Tractors H800, H810, 615M4, 815M		SHD 670 33		
Tractors JX 1060-1075			AGM 592 01	PRO P100 40
Tractors JXU series 90U, 95, ...		632 11 610 11		
Tractors Laser 130		SHD PRO 680 08 SHD 680 32		
Tractors Maxxum 100-140			AGM 592 01	PRO P100 40
Tractors Quantum 65-95			AGM 592 01	PRO P100 40
Tractors S230, S260		SHD 670 33		
Tractors T120, T130, T140, T160, T170, T180		SHD 670 33		
Tractors Terra Trak 800		680 89		
Tractors TS serien, 90, 100, 110		610 11		
Tractors Uni-Loader 1816, 1830, 1845		610 48		
Tractors X 100, 110, 120		SHD 670 33		
Tractorexcavators 471, 474, LP		625 11		
Tractorexcavators 580F		625 11		
Tractorexcavators 6000		SHD PRO 680 08 680 11		
Tractorexcavators 8000, 9000, 800T, 900T		610 48		
Wheel loaders 1240		625 11		
Wheel loaders 1529, 580L		610 11		
Wheel loaders 1816, 1830, 1845		610 48		
Wheel loaders 345, 545, 605		680 89		
Wheel loaders 345B, 545B, 605B		610 48		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Wheel loaders 400		610 11		
Wheel loaders 413, 415, 417, 418, 420		625 11		
Wheel loaders 4200B		610 11		
Wheel loaders 4300B		610 11		
Wheel loaders 4500B		SHD PRO 645 03 632 11		
Wheel loaders 50, 70, 90		610 11		
Wheel loaders 621, 622, 641, 642, 654		610 11		
Wheel loaders 645, 645B, 745, 745C, 945B		680 89		
Wheel loaders 807B		625 11		
Wheel loaders 821B, 841, 845, 846		610 11		
Wheel loaders FL11		SHD PRO 680 08 680 11		
Wheel loaders FR7, 10, 12, 20		610 11		
Wheel loaders FR9, 15		680 89		
Wheel loaders L120, 150, 160, 180		SHD PRO 645 03 632 11		
Wheel loaders L180E, 220D, 220E		SHD PRO 680 08 680 11		
Wheel loaders L30 (Brasilien)		610 48		
Wheel loaders L30, 50, 70, 90		610 11		
Wheel loaders L330C		610 48		
Wheel loaders L50B/C/D, 70B/C/D, 90B/C/D		610 11		
Wheel loaders W24, W24B, W24E, W26B		SHD PRO 680 08 680 11		
Wheel loaders W7E, W9B, W9E, W14, W20B		610 48		
Caterpillar				
Construction Series 3408T/TA		SHD PRO 680 08 680 11		
Construction Series 4610, 4620		610 48		
Construction Series AH40, AH50, AH60		SHD PRO 680 08 680 11		
Construction Series AM25, AM30, AM36, AM60		SHD PRO 680 08 680 11		
Construction Series B15 to B18, B20 to B25		SHD PRO 680 08 680 11		
Construction Series 962H		SHD PRO 680 08 680 11		
Forestmachines 528		680 89		
Forestmachines 83-35, 84-35, 85-35		SHD PRO 680 08 SHD 680 32		
Forestmachines 836, 838		610 48		
Forestmachines 840, 860		610 11		
Forestmachines 8431, 8335, 8435, 8535		SHD PRO 680 08 SHD 680 32		
Forestmachines 862		SHD 670 33		
Forestmachines 886		SHD PRO 680 08 SHD 680 32		
Forestmachines 890		SHD PRO 645 03 SHD 640 35		
Forestmachines 892		SHD 670 33		
Forestmachines 901 serie 1 / 2		610 11		
Forestmachines 902, 500-serie		SHD 670 33		
Forestmachines 911, batt. Outside the frame		SHD PRO 645 03 SHD 640 35		
Forestmachines 911, batt.inside the frame		610 11		
Forestmachines 919, 925, 926, 928, 929, 933, 1010		680 89		
Forestmachines 921, 8921.1		SHD PRO 645 03 SHD 640 35		
Forestmachines 923		SHD 670 33		
Forestmachines 969, 971, 980, 985		625 11		
Forestmachines BM Valmet 862K, 882K, 886K		680 89		



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Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Forestmachines SM460		SHD PRO 645 03		
Forestmachines SM900		SHD 640 35		
Forestmachines SMV21		625 11		
Grader 18, 24YD		600 26		
Grader 619, 621, 623, 627, 637, 641		680 89		
Grader L20B2		680 89		
Hydraulikbagger 304C/CR, 312C /CL		600 26		
Mobilbagger M318D (124 kW)		610 48		
Radlader 906H, 908H, 914G, 924G		610 48		
Scrape 12, 14, 16G, 112G, 120G, 130G, 140G		680 89		
Scrape 152, 182		SHD PRO 680 08		
Scrape 161A		SHD 680 32		
Scrape 162, 173, 192		SHD PRO 645 03		
Scrape A-465, AH-121, 122, 132 145, 160,172		650 11		
Scrape JU 14 HD, RG-14		SHD 670 33		
Scrape RG-6		680 89		
Scrape TV 50, TV80		625 13		
Tractors 245 DES (12V)		SHD PRO 645 03		
Tractors 2550		SHD 640 35		
Tractors 311, 312, 320, 325, 330		SHD PRO 680 08		
Tractors 46D		SHD 680 32		
Tractors 501D, 501PD, 502D, 502PD, 502S, 590		680 89		
Tractors 540D, 600D, 670D, 680PD		610 48		
Tractors 601PD		680 89		
Tractors 613C, 615C		SHD PRO 680 08		
Tractors 641, 651, 660		SHD 680 32		
Tractors 75A, 210, 175A, 280, CKL340		680 89		
Tractors 769, 773, 777		680 89		
Tractors 951, 954 (Electric Start)		SHD PRO 680 08		
Tractors BHF16 to BHF20		SHD 680 32		
Tractors D4D, D6C		SHD PRO 645 03		
Tractors DUMPTTRUCK 769 (Direct eng. Start)		SHD 640 35		
Tractors DW10		SHD PRO 680 08		
Tractors EST		SHD 680 32		
Tractors L200		SHD PRO 680 08		
Tractors T30B, T35B, T40B, T45B, T50, T55B, T60B		SHD 680 32		
Tractors V100 - V180		610 48		
Tractors V30 - V80		SHD PRO 680 08		
Tractors WHEEL SCRAPER 631B, 630B, 261, 619, 633, 662		SHD 680 32		
Trucks C500 Y30 D, C500 40/55 D		SHD PRO 680 08		
Trucks DW60, RW80, RW110, RW140		SHD 680 32		
Trucks V60B diesel (Perkins)		610 11		
Trucks Y60 -Y150		680 89		
		SHD PRO 680 08		
		SHD 680 32		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Workingmachines 12D, 920, 966D		SHD PRO 680 08		
Workingmachines 619 - 992		SHD 680 32		
Workingmachines D4 E		680 89		
Workingmachines D4, D5, D6, D7, D8, D9 med (24V)		610 48		
		680 89		
Challenger				
H-series alle Modelle/ all models				P70 24
alle anderen Modelle/ all other models				P70 24
Claas				
Combine harvesters Commandor 114CS		SHD PRO 680 08		
Combine harvesters Europa D, Gigant, Matador		SHD 680 32		
Combine harvesters Lexion 480		SHD PRO 645 03		
Combine harvesters Mercur, Senator		SHD PRO 680 08		
Combine harvesters SFB, SFM		SHD 680 32		
Dominator 105, 106		SHD PRO 645 03		
Dominator 76, 85, 85H, 96, 97		SHD 640 35		
Dominator 96, 106		SHD 635 44		
Tractors COMET (Mercedes)		SHD PRO 680 08		
Tractors JAGUAR 690, 695, 860, 880		SHD 680 32		
Tractors SP Combine (Perkins P3)		SHD PRO 645 03		
		SHD 640 35		
		610 11		
Clark Equipment				
125 (GM or Leyland Eng.), 125-S		SHD PRO 680 08		
125 (Rolls Royce Eng.)		SHD 680 32		
175 (GM or Cummins Eng.)		625 11		
243		SHD PRO 680 08		
275S, 275 ART, 280TD (Cummins or GM Eng.)		SHD 680 32		
512, 520, 521 Van Carrier		SHD PRO 680 08		
55, 55AWS, 65A, 65AWS, 65R		SHD 680 32		
743		625 11		
75 (Leyland or Daf Eng>)		610 11		
75ART (Leyland, Perkins, Volvo Eng.)		610 48		
85 (GM Eng.)		625 11		
85 (Leyland Eng.)		610 48		
BOBCAT825		610 48		
C/CH/CY 500		610 48		
DC 160		SHD PRO 645 03		
DCY 160/300 DAF		SHD 640 35		
DCY 160/300 PD		SHD PRO 645 03		
SCRAPER 11 OHT		SHD PRO 680 08		
T65 DUMP TRUCK (GM or Cummins Eng.)		SHD 680 32		
		610 48		
Coles				
1 TON				
100DA, 100LPG, 120D		610 48		
18/22T, 25/30T, 30/35T, 40/45T		610 11		
30-33, 45-50		625 13		
40DA, 40PA, 50DA, 50LPG		625 13		
54/60 T, 120, Husky 615/633		610 11		
AP415		625 11		
AT1100 (Super), AT1400		610 48		
		610 48		

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Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
AT528, AT633, AT865		610 48		
LEDA		610 11		
RT615, RT620, RT625, RT628, RT630, RT640		610 48		
SUPERTRUCK 820, 825		610 48		
SUPERTRUCK 830		625 13		
TRUCK MOUNTED DIESEL ELECTRIC CRANES		625 13		
TRUCK MOUNTED DIESEL HYDRAULIC CRANES 30/35T, 40/45T		625 13		
Consolidated Pneumatic				
Compressor 1245, 185 F		SHD 670 33		
Continental				
CB 25, 30, 40			EFB 570 15	P70 29
CB 69, 70, CD 5, CD 7A, TP 6			AGM 592 01	PRO P100 40
Conveyancer				
D5, G4, G5			EFB 570 15	P70 29
TC4-		600 26		
Coventry Climax				
alle Modelle/all models				P70 24
Daewoo				
DH 180, DH 200, DH 220		SHD PRO 680 08 680 11		
Excavator DH 200LC		680 89		
David Brown				
Rotary snow-plough D, F 31B, 31 F, 34 F			AGM 592 01	PRO P100 40
Demag				
AC 265 Crane		SHD PRO 645 03 SHD 640 35		
B 304, B 306, B 308, B 310		SHD PRO 645 03 SHD 640 35		
DF 60 C		SHD PRO 645 03 SHD 640 35		
DF110, DF 140		SHD PRO 645 03 SHD 640 35		
H 30		SHD PRO 680 08 SHD 680 32		
HC 190-5 95 crane		SHD PRO 645 03 SHD 640 35		
HC 190-5-75 car		SHD 670 33		
HC340 car		SHD PRO 725 03 SHD 725 11		
HC 340 crane		SHD PRO 680 08 SHD 680 32		
Derot Tecnomat				
DH 3, DH 22, DH 33, DHY 33		625 11		
DS 33, DTD 110, 80, DT(Y) 80		625 11		
DTX 125		SHD PRO 680 08 SHD 680 32		
TD 2000		625 11		
Desta				
BVH 1321			EFB 570 15	P70 29
BVH 1622, BVHM 1622			AGM 560 01	PRO P63 40
DV 16 A, 16 B, 20 B			AGM 592 01	PRO P100 40
DV 25, 32, 35		SHD PRO 645 03 SHD 640 35		
DVH 1622			AGM 580 01	PRO P84 40
MV 12, 15, 16			AGM 560 01	PRO P63 40
Deutz-Fahr				
Agroprima 4.31 - 6.16		SHD PRO 645 03 SHD 640 35		
Agrostar 3.57 - 8.31		SHD PRO 645 03 SHD 640 35		
AGROXTRA 4.58		SHD PRO 680 08 SHD 680 32		
Agroxtra 6.07, 6.17		SHD PRO 645 03 SHD 640 35		
Combine harvesters 10, 20, 30, 360, 410		600 26		
Combine harvesters 1170		SHD PRO 680 08 SHD 680 32		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Combine harvesters 1400, 1600		SHD PRO 645 03 SHD 640 35		
Combine harvesters 1450CWS		SHD PRO 680 08 SHD 680 32		
Combine harvesters 2025, 2055		610 11		
Combine harvesters 240, 307		600 26		
Combine harvesters 307, 510, 520, 530		610 11		
Combine harvesters 3400, 3500, 3600, 3650, 3700, 3750, 3890		SHD PRO 680 08 SHD 680 32		
Combine harvesters H6500, 8100		SHD PRO 680 08 SHD 680 32		
Combine harvesters 450		610 11		
Combine harvesters 515, 750, 760		625 11		
Combine harvesters 525, 620, 625		610 11		
Combine harvesters 630		600 26		
Combine harvesters 726, 780		600 26		
Combine harvesters 792, 892		600 26		
Combine harvesters 830		600 26		
Combine harvesters 88, 186, 187		600 26		
Combine harvesters DGD4		600 26		
Combine harvesters M1322M, M1322H		SHD PRO 645 03 SHD 640 35		
Combine harvesters M182, 3900		SHD PRO 680 08 SHD 680 32		
Combine harvesters M33.70, M33.80		SHD PRO 645 03 SHD 640 35		
Combine harvesters M72, M112, 3300, 3350		625 11		
Combine harvesters M940, 980		SHD PRO 645 03 SHD 640 35		
Combine harvesters MX300		SHD PRO 680 08 SHD 680 32		
Combine harvesters VWT2		600 26		
D 10006		SHD PRO 645 03 SHD 640 35		
D 10006, 13006, 16006		SHD PRO 680 08 SHD 680 32		
D 400, 540		SHD PRO 680 08 SHD 680 32		
D 4005, D 4006		SHD PRO 645 03 SHD 640 35		
D 45		SHD PRO 645 03 SHD 640 35		
D 5005, D 5506		SHD PRO 680 08 SHD 680 32		
D 5006, 5206, 5506		SHD PRO 645 03 SHD 640 35		
D 5506		SHD PRO 680 08 SHD 680 32		
D 6005, D 6006		SHD PRO 680 08 SHD 680 32		
D 6006, 6007, 6206, 6207, 6507, 6806, 6807		SHD PRO 645 03 SHD 640 35		
D 7006		SHD PRO 680 08 SHD 680 32		
D 7006 A, D 7007		SHD PRO 645 03 SHD 640 35		
D 7206, 7207		SHD PRO 645 03 SHD 640 35		
D 7506, D 7807		SHD PRO 680 08 SHD 680 32		
D 7806 C		SHD PRO 645 03 SHD 640 35		
D 7807		SHD PRO 680 08 SHD 680 32		
D 7807 C		SHD PRO 645 03 SHD 640 35		



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Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
D 8005, 8006		SHD PRO 680 08 SHD 680 32		
D 8006 A		SHD PRO 645 03 SHD 640 35		
D 9005, D 9006		SHD PRO 680 08 SHD 680 32		
D25, 30, 270		SHD PRO 645 03 SHD 640 35		
DX 100 Powermatic		SHD PRO 680 08 SHD 680 32		
DX 110, DX 120		SHD PRO 645 03 SHD 640 35		
DX 140, 145, 160		SHD PRO 680 08 SHD 680 32		
DX 230, DX 230 A, DX 250		SHD PRO 645 03 SHD 640 35		
DX 3.60, DX 3.65, DX 3.70, DX 3.90		SHD PRO 645 03 SHD 640 35		
DX 4.07, 4.10, 4.17, 4.20, 4.30, 4.31, 4.50, 4.51, 4.56, 4.57, 4.70, 4.90		SHD PRO 645 03 SHD 640 35		
DX 4.71		SHD PRO 680 08 SHD 680 32		
DX 50		SHD PRO 645 03 SHD 640 35		
DX 6.05, DX 6.07, DX 6.10, DX 6.16, DX 6.17, DX 6.30, DX 6.70 DX 6.11, DX 6.21, DX 6.31, DX 6.50, DX 6.61, DX 6.81		SHD PRO 645 03 SHD 640 35 SHD PRO 680 08 SHD 680 32		
DX 7.10		SHD PRO 680 08 SHD 680 32		
DX 75		SHD 635 44		
DX 8.30		SHD 635 44		
DX 80, DX 85, DX 85 V, DX 86, DX 90, DX 92		SHD PRO 645 03 SHD 640 35		
M 1000 - 2780		SHD PRO 645 03 SHD 640 35		
M 33.60, M 34.80, M35.40, M 35.75		SHD 635 44		
M 3330 - 4045		SHD PRO 645 03 SHD 640 35		
M 66, 66 S, 88, 88S		SHD PRO 645 03 SHD 640 35		
M Axial A 50		SHD PRO 680 08 SHD 680 32		
M35.80, M36.10, M 36.30		SHD PRO 645 03 SHD 640 35		
Tractors 10006, 13006		SHD PRO 680 08 SHD 680 32		
Tractors 140, 145A, DX160		SHD 670 33		
Tractors 3.30, 3.50, 3.65, 3.90, 4.70		SHD PRO 645 03 SHD 640 35		
Tractors 4006, 4007, 4506, 5006, 6006		SHD PRO 680 08 SHD 680 32		
Tractors 6.50, 7.10, 5207		SHD PRO 645 03 SHD 640 35		
Tractors 6005, 9005		SHD PRO 680 08 SHD 680 32		
Tractors 6206, 7006, 7206, 9006		SHD PRO 680 08 SHD 680 32		
Tractors 7207C, 7807C		SHD PRO 645 03 SHD 640 35		
Tractors Agroplus 85 T, 95, 100 DT		SHD PRO 645 03 SHD 640 35		
Tractors DX130		SHD PRO 645 03 SHD 640 35		
TractorsDX360, 390, 470		SHD PRO 645 03 SHD 640 35		
Tractors DX417		SHD PRO 645 03 SHD 640 35		
Tractors DX471, DX451		SHD PRO 645 03 SHD 640 35		
Tractors DX605, 610, 630, 650 series		SHD 670 33		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
1300, 1320, 1322, 1600, 1620, 1630		SHD PRO 645 03 SHD 640 35		
16006		SHD PRO 680 08 SHD 680 32		
2580, 2680, 2685, 2780 (MD)		SHD PRO 645 03 SHD 640 35		
3.30, 3.50, 3.70, 3.90 F/S		SHD PRO 645 03 SHD 640 35		
3330, 3360, 3480, 3570, 3578, 3580, 3610, 3630, 3640		SHD PRO 645 03 SHD 640 35		
4005, 4056, 4060, 4065, 4070, 4075, 4080, 4090		SHD PRO 645 03 SHD 640 35		
5005		SHD PRO 680 08 SHD 680 32		
5506, 6005		SHD PRO 645 03 SHD 640 35		
6206, 6207, 6507, 6806, 6807		SHD PRO 645 03 SHD 640 35		
7007, 7206, 7207		SHD PRO 645 03 SHD 640 35		
7506		SHD PRO 680 08 SHD 680 32		
7808		SHD PRO 645 03 SHD 640 35		
8005, 9005		SHD PRO 680 08 SHD 680 32		
Axial A 50		SHD PRO 680 08 SHD 680 32		
Intrac 2003, Intrac 2004		SHD PRO 645 03 SHD 640 35		
Intrac 6.60		SHD PRO 680 08 SHD 680 32		
RUBIN, -X 100		SHD PRO 645 03 SHD 640 35		
SHF 300, 400, 3008		SHD PRO 645 03 SHD 640 35		
Dieci				
Ikarus 35.13TA		SHD 635 44		
Disalcar				
IN70			EFB 595 15	P95 04
Douglas Equipment				
Tugmaster Fifth Wheel		SHD 635 44		
Drabant				
Forest machines alle Modelle/all models				P70 24
Dronningborg				
1200, 1250, 1600, 1650		600 26 SHD PRO 645 03 SHD 640 35		
4000, 4500, 7500, 8500		610 48 600 26		
7000, 7200 88, 900, 950		610 48 600 26		
8900, 9000		SHD PRO 645 03 SHD 640 35		
Dutra Le Robuste				
D 4KB		SHD PRO 680 08 SHD 680 32		
UE 65		SHD 670 33		
D 4K		SHD PRO 645 03 SHD 640 35		
Dynapac				
421/C, 501 C		SHD PRO 680 08 SHD 680 32		
CA 15, 25, 30, 51		SHD PRO 680 08 SHD 680 32		
CA 301, 511, 551		SHD PRO 680 08 SHD 680 32		
CC 101, 121, 211/C		SHD PRO 680 08 SHD 680 32		
CC20, CC40		610 48		
CC21, 30, 41, 42		SHD PRO 680 08 SHD 680 32		
CC50A		680 89		
CG11, CG12		610 48		

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Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
CH47, CA151, 251		SHD PRO 680 08 SHD 680 32		
CK50, 51		SHD PRO 680 08 SHD 680 32		
Ebro				
178, 183		SHD PRO 645 03 SHD 640 35		
350, 460, 470, 6040, V		610 11		
6100, 6120, 6125		SHD PRO 645 03 SHD 640 35		
A 21, L, A 30			AGM 580 01	PRO P84 40
Eicher				
3014		SHD PRO 725 03 SHD 725 11		
4072		SHD PRO 645 03 SHD 640 35		
3072 - 3088		SHD PRO 645 03 SHD 640 35		
3084 - 3066			AGM 580 01	PRO P84 40
3105 - 3145		SHD PRO 680 08 SHD 680 32		
3253 - 3254		SHD PRO 645 03 SHD 640 35		
330 - 365			AGM 580 01	PRO P84 40
3704 - 3711		SHD PRO 645 03 SHD 640 35		
3712 - 3714		SHD 670 33		
4038 - 4066			AGM 580 01	PRO P84 40
530 - 550			AGM 580 01	PRO P84 40
552, 565		SHD PRO 645 03 SHD 640 35		
635 - 666 Turbo V			AGM 580 01	PRO P84 40
680 P		SHD PRO 645 03 SHD 640 35		
alle anderen Modelle/ all other models			AGM 580 01	PRO P84 40
Buffle 3353, Buffle 3354			AGM 580 01	PRO P84 40
Mammouth 3011 - 3422		SHD PRO 645 03 SHD 640 35		
Mammouth 3423, 3453, II 3551			AGM 580 01	PRO P84 40
Panthere 295, 295 K			AGM 580 01	PRO P84 40
Puma ES 200, Puma ES 201, Puma ES 202		SHD 670 33		
Tigre (E) FM 200, Puma ES EM 200 B, ES EL 235			AGM 580 01	PRO P84 40
Tigre II			AGM 580 01	PRO P84 40
Tigre Royal EA 400, EM 300, 3151			AGM 580 01	PRO P84 40
Tigre Royal II 3015		SHD PRO 645 03 SHD 640 35		
Tigre Royal II 3016, II 3251		SHD 670 33		
Energic				
1452, 560, (5)280, 645, 665			AGM 580 01	PRO P84 40
1652		SHD 670 33		
4 RM 1035, 4 RM 1038		SHD 670 33		
503			AGM 580 01	PRO P84 40
510 Diesel			AGM 570 01	PRO P77 40
530 - 540		SHD 670 33		
545			AGM 580 01	PRO P84 40
Engels Machines				
SpargelSpinne A1				955 51 Energy Bull
SpargelSpinne A2				956 01 Energy Bull
Euclid				
14 Yard Scraper		SHD PRO 645 03 SHD 640 35		
7 Yard Scraper				P70 24
C20B2			EFB 595 15	P95 04
F.E. Weatherhill				
12 HB			AGM 580 01	PRO P84 40
Fahr				
C200		SHD 670 33		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
C2D, C 100, C110B		SHD 670 33		
Favorit 620, 626		SHD 670 33		
James 52		625 11		
James 73, 83		SHD 670 33		
M 86		SHD 670 33		
Famulus				
RS 14.30, RS 14.36		SHD 670 33		
Faun				
L 1212/45 ZA		SHD PRO 725 03 SHD 725 11		
Fendt				
162, 168, 178, 186, 192		SHD PRO 645 03 SHD 640 35		
231 GT, 250, 255, 255 KGT		SHD 670 33		
25 GT, 275 GT		SHD PRO 645 03 SHD 640 35		
303 - 309		SHD 635 44		
390, 395		SHD PRO 645 03 SHD 640 35		
600LS, 610LS, 611LS, 612LS, 614LS, 615LS		SHD PRO 680 08 SHD 680 32		
AGROBIL S		SHD PRO 645 03 650 11		
BAGGERLADER TS60/80		SHD PRO 645 03 SHD 640 35		
GT255, 275, 390, 395		SHD 635 44		
TS60, TS80		SHD PRO 645 03 SHD 640 35		
Xylon 320		SHD PRO 645 03 SHD 640 35		
Farmer 104, 105, 106, 108		SHD PRO 645 03 SHD 640 35		
Farmer 162, 168, 178, 186, 192, 198		SHD 635 44		
Farmer 200		SHD 670 33		
Farmer 201, 203		SHD PRO 645 03 SHD 640 35		
Farmer 204, 205		SHD 635 44		
Farmer 231, 250, 275, 305, 308, 309, 310, 311, 312, 360, 380, 395		SHD PRO 645 03 SHD 640 35		
Favorit 310, 600, 610, 611, 612, 614, 615, 622, 626		SHD PRO 680 08 SHD 680 32		
Schlepper 712 Vario - 936 Vario		SHD PRO 680 08 SHD 680 32		
Fiat Agri				
1180 DT, DTH		SHD PRO 645 03 SHD 640 35		
1500, 1580, 1880, 3790		SHD PRO 680 08 SHD 680 32		
605C, 607		SHD 635 44		
632, 634, 636, 637, 638, 647		SHD PRO 645 03 SHD 640 35		
715DT		SHD PRO 645 03 SHD 640 35		
72.94 DT		SHD PRO 645 03 SHD 640 35		
780		SHD 670 33		
800, 805, 821L, 850, 850C, 850DT		SHD PRO 680 08 SHD 680 32		
880, 980		SHD 670 33		
990		SHD 635 44		
AD 10, AD14, AD18		SHD 670 33		
AD 1410		SHD PRO 680 08 SHD 680 32		
BD10, BD14, BD18		SHD 670 33		
D120, D130B, D135B, D140, D165		SHD 670 33		
D1M30B, D1M35B		SHD 670 33		
F 100, F 110, F 120, F 130, F 140		SHD PRO 645 03 SHD 640 35		
FL10, FL14, FR 12		SHD PRO 645 03 SHD 640 35		



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Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Laverda 3650, 3790		SHD PRO 680 08		
M 112, M 132, M 152		SHD 680 32		
MX 240, M 300		625 11		
100-Series 100.9, 110.9		SHD PRO 680 08		
100-Series 1000		SHD 680 32		
100-Series 115.90, 130.90		SHD PRO 645 03		
100-Series 120C, 120G		SHD 640 35		
100-Series 140.90, 160.90		SHD PRO 680 08		
100-Series 180C, 180C1		SHD 680 32		
400-Series 400, 450, 456		SHD PRO 645 03		
400-Series 455		SHD 640 35		
500-Series 500, 540, 570, 580		SHD 635 44		
60-Series 65.66, 65.88, 65.90		SHD PRO 645 03		
70-Series 70.88, 70.90		SHD 640 35		
80-Series 80.65, 80.66, 80.75, 80.76, 80.88, 80.90		SHD PRO 645 03		
80-Series 82.86 DT, 82.94 DT, 85.90, 88.94 DT		SHD 640 35		
90-Series 90.90		SHD PRO 645 03		
31, 41B		SHD 640 35		
BD10C, 14C, 20		680 89		
BD8		SHD 670 33		
FL 9		610 48		
FL10, 14, 20		610 11		
SL11HD		SHD 670 33		
		SHD PRO 645 03		
		SHD 640 35		
Fiat				
OM 50 C, 361 C, 411 C		600 26		
OMBJ 12, 15, 20, DJ 20, DJ 25			AGM 592 01	PRO P100 40
Ford				
1000-Series 1900, 1910, 1920		610 48		
2000-Series 2511E, 2512E, 2513E, 2514E, 2610		SHD 670 33		
2000-Series 2711E, 2712E, 2713E, 2714E, 2715E, 2740ET		625 11		
3000-Series 3055, 3600, 3610, 3910		SHD 670 33		
3000-Series 3430, 3930		610 11		
4000-Series 4100, 4110, 4600		SHD 670 33		
4000-Series 4130, 4630, 4830		610 11		
4000-Series 4130, 4630, 4830, 5030		632 11		
4000-Series 4550, 4635, 4835		632 11		
4000-Series 4610		SHD 670 33		
5000-Series 5600, 5610		SHD 670 33		
6000-Series 6500, 6600, 6610, 6700, 6710, 6810		SHD 670 33		
7000-Series 7600		SHD PRO 645 03		
7000-Series 7600, 7610, 7700, 7710, 7910		SHD 640 35		
7000-Series 7740, 7810, 7840		SHD 670 33		
8000-Series 8000, 9000		610 11		
8000-Series 8100, 8210, 8600, 8700		SHD 670 33		
8000-Series 8240, 8340		SHD PRO 645 03		
8000-Series 8630, 8730, 8830		SHD 640 35		
8000-Series 8670, 8770, 8870, 8970		610 11		
8000-Series 8700, 9700		SHD 670 33		
9000-Series 9000, 9600, 9700		SHD 670 33		
Tractors 550, 555		SHD 670 33		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Tractors 550, 555, 635, 755		632 11		
Tractors 860		SHD PRO 645 03		
Tractors A62, 64, 66		SHD 640 35		
Tractors DEXTRA 3000, 3600		625 11		
Tractors FORCE 5000, 7000, 8000, 8600, 9600		SHD 670 33		
Tractors FW 60		SHD 670 33		
Tractors MAJOR 4000 (Diesel)		610 48		
Tractors POWER MAJOR		SHD 670 33		
Tractors SUPER MAJOR 5000, 7000, 8000		610 47		
Tractors TS serie 90, 100, 110		SHD 670 33		
Tractors TW 5, 10, 15, 20, 25, 30, 35		610 11		
		SHD 670 33		
Foredil				
10.13, 20.13			AGM 580 01	PRO P84 40
30.13, 40.13, 5.13				P70 24
Fortschritt				
323 A		SHD PRO 645 03		
		SHD 640 35		
Combine harvester alle Modelle/all models		SHD PRO 680 08		
E 280, 281, 301		SHD 680 32		
E 302		SHD PRO 680 08		
		SHD 680 32		
E 303		SHD PRO 680 08		
		SHD 725 03		
		SHD 725 11		
E 512 - E 524		SHD PRO 680 08		
		SHD 680 32		
Galion				
303, 503				P70 24
Gardenhac				
Tractor 14				PRO P50 40
Gehl				
3300, 6600				P70 24
4400, 4610, 6620				P95 05
SL 3935-5625				P95 05
Giant				
D204SW				PRO P50 42
D204SW Tele				PRO P50 42
D254SW				PRO P50 42
D254SW Tele				PRO P50 42
D263S				PRO P50 42
D332ST				PRO P50 42
D263SW				PRO P50 42
D263SW X-tra				PRO P50 42
D332SWT				PRO P50 42
D332SWT X-tra				PRO P50 42
D267				PRO P50 42
D337T				PRO P50 42
V362				PRO P50 42
V452T			EFB 570 15	P70 29
V452T X-tra			EFB 570 15	P70 29
V452T HD			EFB 570 15	P70 29
V452T HD X-tra			EFB 570 15	P70 29
V4502T			EFB 570 15	P70 29
V4502T X-tra			EFB 570 15	P70 29
V5003			EFB 570 15	P70 29
V5003 X-tra			EFB 570 15	P70 29
V6004T			EFB 570 15	P70 29
V6004T X-tra			EFB 570 15	P70 29
V6004T Tele			EFB 570 15	P70 29
3648 Tendo			EFB 570 15	P70 29
4548 Tendo HD			EFB 570 15	P70 29
V501			EFB 570 15	P70 29
V761T			EFB 570 15	P70 29
Goldini				
25 DT				PRO P50 40
4 RM 3050			AGM 570 01	PRO P77 40
521 - 928			AGM 570 01	PRO P77 40
764 BD, 774 A			AGM 580 01	PRO P84 40

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Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
930 - 933 TD				P70 24
Base 20				PRO P50 40
C 55, C 75			AGM 570 01	PRO P77 40
Euro 26 - Euro 50 A				PRO P50 40
G'M 4, 14, 18, 20				PRO P50 40
Idea 26			AGM 570 01	PRO P77 40
Idea 30, 40			AGM 570 01	PRO P77 40
Transcar 22 RS				PRO P50 40
Trattori 900				P70 24
Trattori Cingolati C 45, C 60				P70 24
Universal 236, 240				P70 24
Gremo				
Forestmachines 604, 802, 803, 804, 1004		610 11		
Forestmachines TT12C		SHD 670 33		
Grimme				
DS 80 - DS 100		SHD PRO 645 03 SHD 640 35		
DSN 100 - DGL 1700		SHD PRO 680 08 SHD 680 32		
Grove				
AT5285		610 48		
RT/630/635/755/760/755, AT 735 S, TMS 250E		680 89		
RT58, 59, 60, 63, 65		680 89		
TM 300, 1075		680 89		
TM750 E		610 48		
Guelldner-Linde				
G 50, 60, 75		SHD PRO 645 03 SHD 640 35		
H 35, 40		SHD PRO 680 08 SHD 680 32		
Guelldner				
G 394, G 675, G 685, G4314		SHD PRO 645 03 SHD 640 35		
Gutbrod				
1050 Diesel - 2600 Diesel				PRO P50 40
2800			AGM 570 01	PRO P77 40
2900 Diesel				P70 24
3000				PRO P50 40
Tractor D9, 12 Diesel				PRO P50 40
Hakotrak				
2000				PRO P50 40
HakoJonas			AGM 570 01	PRO P77 40
Hako				
2000				PRO P50 40
3500			AGM 580 01	PRO P84 40
4000				PRO P50 40
2300 Diesel			AGM 570 01	PRO P77 40
3800, 3800 Diesel			AGM 570 01	PRO P77 40
4800, 4800 Diesel			AGM 570 01	PRO P77 40
8014 - 8016			AGM 560 01	PRO P63 40
Grundmaster, 322 D				P45 24
Profi 182				P70 24
Hanix				
N 350-2, N 300-2				P95 05
Hanomag				
320		SHD PRO 645 03 650 11		
400C		610 11		
44C		SHD 635 44		
6400		SHD PRO 680 08 680 11		
Brillant 600, 700		SHD PRO 645 03 650 11		
K 7, K8, K 60, K320		SHD PRO 680 08 680 11		
K10, K90E, K565		SHD PRO 680 08 680 11		
R 430		SHD PRO 645 03 650 11		
R540		600 26		
Robust 800, 900		SHD PRO 680 08 680 11		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Bulldozers 44D		600 26		
Bulldozers 66C, 77C		SHD 670 33		
Bulldozers B30C		SHD PRO 725 03 SHD 725 11		
Bulldozers D600		SHD 670 33		
Bulldozers K12C, B18C		SHD 670 33		
Bulldozers K7B, K11		SHD PRO 680 08 680 11		
Härnö				
GDL 2550			AGM 592 01	PRO P100 40
Hegglund				
BV 206			EFB 595 15	P95 04
Hemek-Vamas				
9110				P70 24
Herrmann Lanz Hela				
28/32, D 36, D 40		SHD PRO 645 03 SHD 640 35		
36 HP		SHD PRO 680 08 SHD 680 32		
Herriau				
alle Modelle/all models		SHD PRO 680 08 SHD 680 32		
Hey Wang				
HD 17			AGM 580 01	PRO P84 40
Hieble				
alle Modelle/all models			AGM 580 01	PRO P84 40
Hinomoto				
Holder A 55			AGM 570 01	PRO P77 40
Holder A 60, C 500			AGM 592 01	PRO P100 40
Hitachi				
Excavators ZX14-3 (1NC, 4663907)				P45 24
Excavators ZX40u-2, 50u2 (1M9, 1MA, 4621541)			EFB 570 15	P70 29
Excavators ZX40u-2, 50u2 (1M9, 1MA, 4401896)			EFB 595 15	P95 04
Excavators ZX40u-2, 50u2 (1M9, 1MA, 4629031)		600 26		
Excavators ZX60USB-3 (1N0, 1N1, 1NB, 4629031)		600 26		
Excavators ZX140W-3 (CTD, CTA, CTB, CED, CEA, CEB, 4667134)				P95 05
Excavators ZX160-3 (BFD, BUD, BRC, 1T3, BCE, 1T1, 4667134)				P95 05
Excavators ZX180-3 (BFE, BUE, BRD, 1T4, BCF, 1T2, 4667134)				P95 05
Excavators ZX200-3, 210-3 (AWS, BLA, 1UD, 1U1, ATM, ATN, ATP, AUK, AUM, AUS, AUT, AUU, 1U4, BFH, BAJ, 4391629)		SHD PRO 645 03 650 11		
Excavators ZX200-3, 210-3 (AWS, BLA, 1UD, 1U1, ATM, ATN, ATP, AUK, AUM, AUS, AUT, AUU, 1U4, BFH, BAJ, 4628452)		600 26		
Excavators ZX225US (4431289)		SHD PRO 645 03 650 11		
Excavators ZX330 (1HH, 4237922)		SHD PRO 725 03 SHD 725 11		
Excavators ZX800 (17V, W, 4192421)		680 89		
Excavators ZX850-3 (1JB, 4192421)		680 89		
Wheel Loaders ZW140-5B (NDF40)		680 89		
Wheel Loaders ZW150-5B (NDG40)		680 89		
Wheel Loaders ZW180-5B (NDB40)		680 89		



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Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Wheel Loaders ZW180-5B (NDB50)		680 89		
Wheel Loaders ZW220-5B (NEE40)		680 89		
Wheel Loaders ZW220-5B (NEE40, 50, A0)		620 20		
Wheel Loaders ZW250-5B (NEC40, 40, A0)		620 20		
Wheel Loaders ZW250-5B (NEC50)		680 89		
Wheel Loaders ZW250-5B (NECA0, 50)		680 89		
Wheel Loaders ZW310-5B (NFA50)		620 20		
Wheel Loaders ZW310-5B (NFA50)		680 89		
Hoes				
11011K		SHD 670 33		
Holder				
3705			AGM 570 01	PRO P77 40
A 12, AM 2, AG 3, AG 35			EFB 570 15	P70 29
A 20, A 21 S			EFB 570 15	P70 29
A 23, A 30, A 40, A 55			AGM 560 01	PRO P63 40
A 440			AGM 580 01	PRO P84 40
A 45			AGM 560 01	PRO P63 40
A 50			AGM 580 01	PRO P84 40
A 55 F			AGM 560 01	PRO P63 40
A 60			AGM 580 01	PRO P84 40
B 12			EFB 570 15	P70 29
B 40 - B 51			AGM 580 01	PRO P84 40
C 40, 50, P 70			AGM 560 01	PRO P63 40
C 440			AGM 580 01	PRO P84 40
C 500, C 5000, C 6000			AGM 580 01	PRO P84 40
C 560			AGM 592 01	PRO P100 40
E 14, P 30, P 50, P 60			AGM 560 01	PRO P63 40
Parc 60			AGM 560 01	PRO P63 40
Hough				
DH30 B, DH50 B		600 26		
DH65C		610 48		
H400, D400, D500		680 89		
H90E, 560		680 89		
Huddig				
760, 860 alle Modelle/ all models			AGM 570 01	PRO P77 40
Hürlimann				
6120		SHD PRO 680 08 SHD 680 32		
7000		600 26		
D 115 - D 550		600 26		
H 345		644 50		
H 355 F		644 50		
H 4105, H 478, H 488 T			AGM 580 01	PRO P84 40
H 466, H 488				P95 05
H 490		SHD PRO 680 08 SHD 680 32		
H 5110, H 5116 T		SHD PRO 680 08 SHD 680 32		
H 6130		SHD PRO 680 08 SHD 680 32		
H 6135 - H 6170		SHD PRO 680 08 SHD 680 32		
Prestige			AGM 592 01	PRO P100 40
Prince			AGM 570 01	PRO P77 40
T 1400, T 9200		600 26		
XA, XB, XE, XF, XN, XM			AGM 592 01	PRO P100 40
XL			AGM 580 01	PRO P84 40
XT		SHD 670 33		
Husky				
1254, 1477, 1886				PRO P50 40
Hymas				
82 R, 6000		SHD PRO 680 08 SHD 680 32		
H 240			AGM 592 01	PRO P100 40

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Hymatic (Compair)				
Compressor 74 D			AGM 570 01	PRO P77 40
Hyster				
719 BATTERY AUTO SCRUBBERS		625 11		
KARRY KRANE (PERKINS P3 or P4 Eng.)		610 11		
UC, UE		610 48		
YC diesel		610 11		
YC, YE (LPG or Petrol Eng.)		610 48		
H150		SHD PRO 645 03 SHD 640 35		
H165, 180, 200		680 89		
H20, 25, 30E diesel		610 48		
H30, 40, 50, 60F diesel		SHD PRO 645 03 SHD 640 35		
H60, 110E, nyare mod.		SHD PRO 645 03 SHD 640 35		
H60, 70, 80E diesel		SHD PRO 645 03 SHD 640 35		
H60F diesel		SHD PRO 645 03 SHD 640 35		
HC (LPG or Petrol)		610 48		
P125, 150, 165, 180A diesel		680 89		
P40A, 50A		610 48		
S150A		625 11		
S60, S70, S100 (PERKINS Eng.)		SHD PRO 680 08 SHD 680 32		
IHI				
IS 10 F				P70 24
Iller				
NMW, B 100				P70 24
IMT				
Tractor 536, 546			AGM 560 01	PRO P63 40
Tractor 539, S				
Tractor 549, S				
Tractor 550, S				
Tractor 555, S				
Tractor 560				
Tractor 577, 587, 597				
Tractor 2050				
Tractor 2065				
Tractor 5106, 5136				
Tractor 5135				
Ingersoll-Rand				
250, 365, 600, 750		625 13		
85, 125, 175		625 11		
DRAF125, DR140, DR150		610 48		
P600/900		610 48		
TP105, TP120, TPG120, TPF120, TPM120, TP210		610 48		
Compressor 1010, 2110		610 11		
Compressor 140 Gyroflo		625 11		
Compressor 150-4 Gyroflo		625 13		
Compressor DL900, 1200		680 89		
Compressor DR125		625 11		
Compressor DR365, H480, MW-6520		680 89		
Compressor DRG600 SL (eng. mod.)		625 13		
Compressor JD544, 544A, 644		610 11		
Compressor JD544B, 644B		SHD PRO 680 08 SHD 680 32		
Compressor JD670, 750, 770		SHD PRO 680 08 SHD 680 32		
Compressor KAP/XHP750		680 89		
Compressor P 125		SHD 670 33		
Compressor P100, 140		610 48		
Compressor P175VD, P250VD		SHD PRO 680 08 SHD 680 32		
Compressor P175W, 250W, 375W		610 11		

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Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Compressor P600W		625 13		
Compressor Spiroflo XL-1100		680 89		
Compressor TP210		610 11		
Compressor XL-DL900, -DL1200		SHD PRO 680 08 SHD 680 32		
Compressor XL750, 850, 900, 1100, 1200		680 89		
International-Harvester				
1246		SHD PRO 680 08 SHD 680 32		
1394, 1494, 1594, 1694		625 13		
275, 276		625 13		
406, 430, 439, 440		600 26		
414		625 13		
4494, 4894		625 13		
485XL, 585XL, 685XL, 785XL, 885XL		610 48		
745, 844 XL		SHD PRO 645 03 SHD 640 35		
855 XL		610 48		
956, 1056		SHD PRO 645 03 SHD 640 35		
Hydra 84		625 11		
Asphaltmachines H25, H25D, H50B		600 26		
Bulldozer TD20E, 25C		680 89		
Bulldozer TD88		625 13		
Compressor 515B		610 11		
Excavators 510 m/Hymas 42		SHD PRO 680 08 680 11		
Excavators JD34, 44, 45, 54		SHD PRO 680 08 680 11		
Excavators JD35		SHD 670 33		
Excavators JD440B m/ Power skift		610 48		
Excavators JD540A, 544, 544A, 644A		610 48		
Excavators JD544B, 644B, 670, 770, 772A		SHD 670 33		
Excavators JD750, 850 bulldozer		SHD PRO 680 08 680 11		
Excavators KH11, 15, 28L, 90		600 35		
Excavators PC40, PC160, PC180, PC200EN-6, PC230, PC290		610 48		
Excavators PC160NLC-7, PC180N-LC-6		625 13		
Excavators PC95, PC110, PC340, PC380, PC450-7		680 89		
Excavators PW130, PW150, PW170-6, PW200/220-7K		610 48		
Excavators PW95, PW110		680 89		
Excavators T 325 d, T 326, T 340 D, M 325		680 89		
Intropa-Rolba				
FAI-Pandax 320, 330			AGM 570 01	PRO P77 40
FAI-Pandax 340, 350		SHD PRO 645 03 SHD 640 35		
H 10 B				P70 24
Terex		SHD PRO 725 03 SHD 725 11		
Irmner & Else				
801 R			AGM 592 01	PRO P100 40
D 1051 R, 1801, 1101 R		SHD 670 33		
D 141-9D			AGM 592 01	PRO P100 40
D 71-R, 301 R, 451 R		600 26		
D 341 R, 401 R, 4451 R, 661 R			AGM 570 01	PRO P77 40
R 540		600 26		
S 1051			AGM 592 01	PRO P100 40
S 701			AGM 570 01	PRO P77 40
Irus				
U 1200, 1200 K			EFB 570 15	P70 29

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Iseki				
3110, 3510, 5000, 6000, 6500		610 11		
TS3110, 4510		610 48		
TS4510		610 11		
Italimacchine				
Poplipa 215				P70 24
ITMA				
480, 500			AGM 580 01	PRO P84 40
A 35, -S			AGM 570 01	PRO P77 40
Iveco				
Stralis AT-series		SHD PRO 725 03 SHD 725 11		
Jacobsen				
F 10 (Diesel&petrol)			AGM 580 01	PRO P84 40
Jacquet				
Hydro 780			AGM 580 01	PRO P84 40
JCB				
2000(3256)		625 11		
360 HYDRAULIC		625 11		
4C Turbo, 4CN, 4D		625 11		
FASTRAC		625 11		
JCB2D11, JCB3111, JCB3C111, JCB3D111		625 11		
JVC2B/3C/3D/4C/4D		625 11		
SL702, 704, 900, 907, 908, 1000, 1500, 1750		625 11		
TRAILERS 5050, 5051, 5052, 5053, 5054, 5055		610 11		
TRAILERS 5056		625 11		
Type 1, 5, 5C		625 13		
100-Series 100, 110, 110B, 112, 114		625 11		
100-Series 180 LOADERS		625 11		
1000-Series 1000, 1250, 1500, 1750		625 11		
2-Series 2D, 2DS, 3C, 3CS, 3D, 3DS		625 11		
3-Series 3C, 3CX, 3D		625 11		
400-Series 406, 410, 412, 415		610 11		
400-Series 413, 418, 420, 423, 425, 428, 430		625 11		
5-Series 5C		625 11		
500-Series 520		610 11		
500-Series 530		625 11		
500-Series 525B		610 11		
500-Series 530B		625 11		
700-Series 700, 702, 704		625 11		
800-Series 802 MINI		610 48		
800-Series 805, 805B, 806, 806B, 807, 807B, 808		625 11		
800-Series 806C, 807C, 811, 812, 812S, 814, 814S, 816S, 817, 818, 818S		625 11		
800-Series 820, 820S, 850B		625 11		
900-Series 900, 902, 907, 908		625 11		
900-Series 921, 926		610 11		
Excavators 4DX		625 11		
Excavators 807B, 808		625 11		
Tractorexexcavators F-series		SHD 670 33		
Jenbacher Werke				
4 T 6 SES/800KVA		SHD PRO 680 08 SHD 680 32		
C 120 SES/250KVA - C 320 SES/670KVA		SHD PRO 680 08 SHD 680 32		
JM-series alle Modelle/ all models		SHD PRO 680 08 SHD 680 32		
JW 20 ES /15 KVA, JW 25 20 KVA			AGM 570 01	PRO P77 40
JW 200 ES/160 KVA		SHD PRO 680 08 SHD 680 32		
JW 2000, JW 28000		SHD PRO 680 08 SHD 680 32		
JW 250			AGM 570 01	PRO P77 40



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Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
JW 300 ES/250 KVA		SHD PRO 680 08 SHD 680 32		
JW 370			AGM 570 01	PRO P77 40
JW 40 ES/30KVA		SHD PRO 680 08 SHD 680 32		
JW 400 ES/350KVA		SHD PRO 680 08 SHD 680 32		
JW 550			AGM 580 01	PRO P84 40
JW 600 ES/500KVA		SHD PRO 680 08 SHD 680 32		
JW 650, JW 750		SHD PRO 680 08 SHD 680 32		
JW 8 ES/6KVA			AGM 570 01	PRO P77 40
JW 80 ES/125KVA		SHD PRO 680 08 SHD 680 32		
LM 1500 ES/1250KVA - LM 1150/3000 GDES		SHD PRO 680 08 SHD 680 32		
MT 2866, MT 2842		SHD PRO 680 08 SHD 680 32		
Jobu				
Timberjack AC			EFB 570 15	P70 29
John Deere				
JD310, JD410, JD450A, JD540, JD644		610 11		
LD544		610 48		
2000-Series 2270, 2280		SHD PRO 645 03 632 11		
3000-Series 3650		SHD PRO 645 03 632 11		
4000-Series 4050, 4055, 4250, 4255		610 11		
4000-Series 4600			EFB 595 15	P95 04
4000-Series 4630, 4640, 4650, 4840, 4850		610 48		
5000-Series 5420		SHD PRO 645 03 632 11		
5000-Series 5440		610 48		
7000-Series 7600, 7700, 7800		610 48		
900-Series 965, 975, 985		SHD PRO 645 03 632 11		
Combine Harvester 1065, 1068H, 1072, 1075, 1075H, 166, 1169H4		SHD 635 44 632 11		
Combine Harvester 1174, 1174H4		SHD 635 44 632 11		
Combine Harvester 1177, 5420		SHD PRO 645 03 632 11		
Combine Harvester 630, 730, 950, 965, 965H, 968H, 970, 975, 975H4, 985		SHD 635 44		
Combine Harvester MD 1065, MD 1072, MD 1075		SHD PRO 645 03 632 11		
Combine Harvester MD 330, 430, 530, 630, 730		610 11		
Combine Harvester MD 925, MD 930		610 11		
Combine Harvester MD 932, 954		SHD PRO 645 03 632 11		
Combine Harvester MD 940		610 11		
Telescopic loaders 3700, 3800		600 26		
Tractors 5460		SHD PRO 645 03 632 11		
Tractors 6110, 6210, 6310, 6410, 6510, 6810		SHD PRO 645 03 632 11		
Tractors 6120, 6220, 6320, 6420, 6420S		SHD PRO 645 03 632 11		
Tractors 6506		SHD PRO 645 03 632 11		
Tractors 6520, 6620, 6820, 6920, 6920S		SHD PRO 680 08 SHD 680 32		
Tractors 8100, 8200, 8300, 8400		600 26		
Tractors 8110, 8210, 8310, 8410		600 26		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Tractors 8120, 8220, 8320, 8420, 8520		600 26		
Tractors Z Series 1155, 1158, 1169, 1174, 1177, 1188		SHD PRO 645 03 632 11		
Tractors Z Series 2054, 2056, 2058, 2064, 2066		SHD PRO 645 03 632 11		
Tractors Z Series 6610, 6710, 6810, 6910		SHD PRO 645 03 632 11		
Jolly				
CSF				PRO P50 40
Joy Sullivan				
1262			AGM 570 01	PRO P77 40
Jungheinrich				
Ameise		SHD PRO 680 08 SHD 680 32		
Kalmar LMV				
3-7, 5 ton				P70 24
8-15 ton			AGM 592 01	PRO P100 40
16 ton -		SHD 635 44		
Kato				
HD 400 SE, 450 SE, 700 SE		600 26		
Mobilcranes		SHD PRO 645 03 650 11		
Kawasaki				
Raclader 70Z IV-2 - 90Z IV-2		680 89		
Kibo				
1600				PRO P50 40
Klevshult-Herkules				
Junior 2,3 ton Diesel		600 26		
Kobelco				
K904E, 904II, K905, 905A, 905II		600 35		
K914		680 89		
LK600A, 900		680 89		
SK100, 120, 400		600 35		
Kockum-Landsverk				
5250				P70 24
KS 82-54				P95 05
Komatsu				
BC 200 LC, 210 LC		SHD PRO 645 03 650 11		
BD 180, BC 240		SHD 635 44		
HA 205, 250		SHD PRO 645 03 650 11		
Baggerlader WB70A-1 (52 kW)		680 89		
Baggerlader WB91R-5		680 89		
Baggerlader WB93R-5, WB93S-5, WB97R-5, WB97S-5		SHD PRO 680 08 680 11		
Hydraulikbagger PC110R-1 (71 kW)		680 8		
Hydraulikbagger PC120, PC150, PC150HD, PC150NHD		SHD PRO 645 03 650 11		
Hydraulikbagger PC1250/SP-8 (502 kW)		SHD PRO 725 03 SHD 725 11		
Hydraulikbagger PC130-7, PC160LC-7, PC180LC-7, PC180N- LC-7		SHD PRO 645 03 650 11		
Hydraulikbagger PC180LLC		610 48		
Hydraulikbagger PC200, PC210, PC210-6K, PC210LC, PC220		SHD PRO 645 03 650 11		
Hydraulikbagger PC2000-8		SHD PRO 725 03 SHD 725 11		
Hydraulikbagger PC210/LC/NLC-8/LC-8 MH		SHD PRO 645 03 650 11		
Hydraulikbagger PC228USLC-3		SHD PRO 645 03 650 11		
Hydraulikbagger PC230NHD-8		SHD PRO 645 03 650 11		
Hydraulikbagger PC240		610 48		
Hydraulikbagger PC240-8 SL, PC240LC/NLC-8		SHD PRO 645 03 650 11		

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Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Hydraulikbagger PC280LC, PC280NLC		610 48		
Hydraulikbagger PC290LC/NLC-8		SHD PRO 645 03 650 11		
Hydraulikbagger PC300LC, PC300NLC		SHD PRO 645 03 650 11		
Hydraulikbagger PC340LC-7SLF		SHD PRO 645 03 650 11		
Hydraulikbagger PC350LC/NLC-8		SHD PRO 645 03 650 11		
Hydraulikbagger PC450LC/HD-8		SHD PRO 645 03 650 11		
Hydraulikbagger PC600/LC-8		SHD PRO 680 08 680 11		
Hydraulikbagger PC75R-2		680 89		
Hydraulikbagger PC800/LC-8		SHD PRO 725 03 SHD 725 11		
Muldenkipper HD325-7, HD405-7		SHD PRO 680 08 SHD 680 32		
Muldenkipper HD465-7, HD605-7		SHD PRO 725 03 SHD 725 11		
Muldenkipper HD785-7		SHD PRO 680 08 SHD 680 32		
Muldenkipper HM300-2, 350-2, 400-2		SHD PRO 645 03 SHD 640 35		
Planierraupen D3, D31S, D40, D45, D45A, D45S, D50, D50A, D50S		SHD PRO 645 03 650 11		
Planierraupen D51EX/PX-22		SHD PRO 725 03 SHD 725 11		
Planierraupen D53, D55, D65E, D75S, D84A, D150, D155A		SHD PRO 645 03 650 11		
Radlader W70, W90, W120		SHD PRO 645 03 650 11		
Radlader WA350, 450, 470, 500, 700		680 89		
Radlader WA380-6, 430-6, 470-6, 480-6, 500-6		SHD PRO 645 03 650 11		
Radlader WA600		680 89		
Radlader WA600-6, 800-3, 900-3		SHD PRO 725 03 SHD 725 11		
Radlader WB91, WB93, WB97, WB98		680 89		
Teleskoplader WH609, 613, 713, 716		SHD 635 44		
Workingmachines D75A, D85A		680 89		
Workingmachines Valtra VL-542, VL-942, VL-2402		625 13		
Krabat				
Beltractor			EFB 570 15	P70 29
Kramer				
1014		SHD PRO 680 08 680 11		
515, 1411		SHD PRO 645 03 650 11		
611, 811		SHD PRO 680 08 680 11		
Allrad 1014		SHD PRO 645 03 650 11		
K 33, KA		SHD PRO 645 03 650 11		
U800		SHD PRO 645 03 650 11		
VL 400, VL540		SHD PRO 645 03 650 11		
KL-Series KLB 330		SHD PRO 645 03 650 11		
Teleskopen 3307, 4009, 4507		SHD PRO 645 03 650 11		
Krasser				
U 4V			AGM 570 01	PRO P77 40

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Kubota				
3750, 4150		SHD PRO 645 03 650 11		
M5950, 7950DT, M7580, M8580		680 89		
RW25, RW30, RW30S, RW35		610 48		
KH-Series KH14-3, KH15-3, KH16W, KH18, KH20, KH28		610 48		
L-Series L 245DT, 285, 295, 345, 345DT, 355		610 48		
Kälble				
3 WTV-K			AGM 580 01	PRO P84 40
5 WTV, 5 WTV-K		SHD PRO 645 03 650 11		
7 WTV-K, 8 TV-K		SHD PRO 680 08 680 11		
K 20 B		SHD PRO 680 08 680 11		
KV 25 B		SHD PRO 680 08 680 11		
KVW 35		SHD PRO 725 03 SHD 725 11		
RP 18			AGM 592 01	PRO P100 40
SL 12		SHD PRO 680 08 680 11		
SL 15			AGM 592 01	PRO P100 40
SL 18		SHD PRO 680 08 680 11		
SL 18B			AGM 592 01	PRO P100 40
SL 25		SHD PRO 680 08 680 11		
VG 12, VG 18		SHD PRO 680 08 680 11		
VG 18 B		SHD PRO 680 08 680 11		
Labor Hako				
2000			AGM 560 01	PRO P63 40
2300 D, 3800 D			AGM 570 01	PRO P77 40
4000			AGM 560 01	PRO P63 40
P 20				PRO P50 40
Labourier				
alle Modelle/all models			AGM 580 01	PRO P84 40
Lamborghini				
1056		SHD PRO 680 08 SHD 680 32		
1106, 1156 DT, 1256, 1506		SHD PRO 680 08 SHD 680 32		
1106, 1306 Turbo		680 89		
1506, 1706 Turbo		SHD PRO 680 08 SHD 680 32		
190, 360		SHD PRO 645 03 SHD 640 35		
470, 480		SHD PRO 680 08 SHD 680 32		
754, 774.8, 854		SHD PRO 645 03 SHD 640 35		
904		SHD PRO 680 08 SHD 680 32		
955		SHD PRO 680 08 SHD 680 32		
956		SHD PRO 645 03 SHD 640 35		
HERLAN 480		SHD PRO 645 03 SHD 640 35		
Premier 850, 950, 1050, 1060		SHD PRO 680 08 SHD 680 32		
R 1056, R 1106, R 1306, R 1506		SHD PRO 680 08 SHD 680 32		
R 754, R804, R850, R 854, R 955		SHD PRO 680 08 SHD 680 32		
R653DT		600 35		
R955DT		SHD 670 33		
Lancer Boss				
H SERIES Mk2 & 3		625 13		



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Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
W Series		SHD PRO 645 03 SHD 640 35		
Side Loaders 180, 200, 300, 400, 500, 700, 800, 1000, 1800, 2000		610 48		
Side Loaders 200 Series, (Perkins 4/107), 300 series (Leyland OE 138)		610 48		
Side Loaders 2500, 3500		625 11		
Landini				
10000, 12500, 13000, 13500, 14500		SHD PRO 645 03 632 11		
10000 S		610 11		
14500 Turbo		625 11		
5000-Series 5000, 5500, 5830, 5870		610 11		
6000-Series 6000, 6060, 6500, 6550, 6830, 6840, 6870, 6880		610 11		
7000-Series 7000, 7500, 7550, 7830, 7860, 7870, 7880		610 11		
8000-Series 8000, 8500, 8550, 8830, 8860, 8870		610 11		
9000-Series 9080, 9500		SHD PRO 645 03 SHD 640 35		
Lanz				
Bulli				P70 24
HG, NI 22, NO-R, NV			AGM 580 01	PRO P84 40
D-series 112			EFB 570 15	P70 29
D-series 117			AGM 580 01	PRO P84 40
D-series 12 S			EFB 570 15	P70 29
D-series 14				PRO P84 40
D-series 218 - 230			AGM 570 01	PRO P77 40
D-series 24			AGM 580 01	PRO P84 40
D-series 254 - 260		SHD PRO 645 03 SHD 640 35		
D-series 315, 318			AGM 580 01	PRO P84 40
D-series 415			AGM 570 01	PRO P77 40
D-series 420 - 484			AGM 580 01	PRO P84 40
D-series alle anderen Modelle/all other models			AGM 580 01	PRO P84 40
LB-series			AGM 560 01	PRO P63 40
Laverda				
3300, 3350, 3400, 3450, 3500, 3550, 3550AL		SHD PRO 680 08 SHD 680 32		
3600, 3700, 3750, 3790, 3850, 3890, 3900, 3990		SHD PRO 680 08 SHD 680 32		
M 182		625 11		
M120		SHD PRO 680 08 SHD 680 32		
MX 240, MX 300		SHD PRO 680 08 SHD 680 32		
Lennen				
1280M, 1680M, 1480T, 1880T		SHD 670 33		
C110		625 11		
CM8-4, C8-4, C10-4		SHD 670 33		
M12, M16, T12, T14, T18		SHD 670 33		
M213, T214, T221		SHD 670 33		
UM352, UM353 CM		625 13		
Leyland Nuffield				
2100, 4100		625 13		
245, 253, 255, 270, 285		625 13		
345, 352		610 48		
344, 384		625 13		
465, 475, 485, 586		625 13		
Leyland				
154(D)		610 11		
2100		625 13		
262, 270, 272, 285		625 13		
4100		625 13		
704		625 11		
Tractors 154, 245, 502		610 11		
Tractors 253, 255		610 48		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Tractors 3/45, 4/65, 4/75, 384, 915		625 13		
Tractors 344, 384, 485		625 13		
Tractors 602, 604, 702, 802		625 13		
Liebherr				
A 309 - 316 Litronic			AGM 592 01	PRO P100 40
A 900 - 914 C Litronic, ZW,		SHD 635 44		
A 924 - 974 B, C Litronic		SHD 670 33		
BOS		SHD 670 33		
Crawler cranes HS, LR, LTR		SHD 670 33		
HS 835 - 895 HD Litronic		SHD PRO 725 03 SHD 725 11		
L 506 - 514 Stereo			AGM 592 01	PRO P100 40
L 524 - 580 2plus2		SHD PRO 725 03 SHD 725 11		
LR 622, 634 B Litronic		SHD 670 33		
Mobile cranes LG, LTC, LTF, LTM, MK		SHD 670 33		
P 954 - 996 B, C Litronic		SHD 635 44		
PR 712 - 764 B Litronic		SHD PRO 680 08 680 11		
R 313 - 317 Litronic			AGM 592 01	PRO P100 40
R 900 - 996 B, C Litronic		SHD PRO 645 03 650 11		
RL 22 B Litronic		SHD PRO 645 03 650 11		
RL 42 B Litronic		SHD PRO 680 08 680 11		
RL 52 Litronic		SHD PRO 645 03 650 11		
RL SR 712 BM Litronic		SHD PRO 680 08 680 11		
T 252 - 445-10		SHD PRO 725 03 SHD 725 11		
Linde				
H 12F - H 16				PRO P50 40
H 20 F - H 40 F (4.0t)			AGM 580 01	PRO P84 40
H 50 F - H 80		SHD PRO 680 08 SHD 680 32		
LPG			AGM 580 01	PRO P84 40
Type 330, 350				PRO P50 40
Lindner				
1450 - 1500			AGM 592 01	PRO P100 40
1600 - 1750		SHD PRO 645 03 SHD 640 35		
B 30 - B 45		600 26		
BF 14 - BF 25, BF LW 20			EFB 570 15	P70 29
BF 30 - BF 45		600 26		
BF 250		610 47		
BF 320 S, BF 420 S, BF 520 S			AGM 592 01	PRO P100 40
BF 350 S, BF 450 S		600 26		
BF 550 S - BF 620 S		625 11		
BF 650 S		SHD PRO 645 03 SHD 640 35		
T 3500 S			AGM 592 01	PRO P100 40
Alpin		SHD PRO 645 03 SHD 640 35		
Geotrac 60, 63			AGM 592 01	PRO P100 40
Geotrac 70		SHD PRO 645 03 SHD 640 35		
Geotrac 73 - 102		SHD PRO 645 03 SHD 640 35		
Unitrac 68 - 100			AGM 592 01	PRO P100 40
Unitrac 102			AGM 592 01	PRO P100 40
Loadstar Trucks				
125B/3400, 125B/3500		625 11		
1600CV/D, 1700CV/D, 1800CV/D		625 11		
584, 634, 674, 684, 784, 884		625 11		
955, 1055		SHD 635 44		
Loiseau				
12.64		SHD PRO 680 08 SHD 680 32		

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Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
3 Rangs 4000		SHD PRO 645 03 SHD 640 35		
344, 34x4, 3860, 3864x4		SHD PRO 680 08 SHD 680 32		
4 Wheel Driver		SHD PRO 645 03 SHD 640 35		
4000		SHD PRO 645 03 SHD 640 35		
H 1		625 11		
L 44		SHD PRO 680 08 SHD 680 32		
V 104		SHD PRO 680 08 SHD 680 32		
Lokomo				
Mobil cranes 14.07, 14.09, 23.07, 23.09, 36.07		SHD PRO 680 08 SHD 680 32		
Mobil cranes 313, 331, 333, 335, 351, 353, 393		680 89		
Mobil cranes A 331, A351, A391		SHD 670 33		
Mobil cranes A 393		680 89		
Mobil cranes PPM 187, TC5		SHD PRO 645 03 SHD 640 35		
Vibrator AT 58		680 89		
Lännen Tehtaat				
1280M, 1480M, 1680M, 1880T		SHD 670 33		
CM 8, CM8-4		SHD 670 33		
M12, M13, T14, M16, M19, T18, T27		SHD 670 33		
S 9, S10		SHD 670 33		
T214, T221		SHD 670 33		
UM 3, UM 4		SHD 670 33		
UM 353, 355		625 13		
UM 475		SHD 670 33		
UM 8CC		625 11		
Lundberg				
Tractor 341 - 343				P70 24
Tractor 595		SHD PRO 645 03 SHD 640 35		
Mabec				
4RM 180, 300				P70 24
CB 12 DD			AGM 560 01	PRO P63 40
Maco				
Compressors		SHD PRO 645 03 SHD 640 35		
MV 21			AGM 570 01	PRO P77 40
TM 50		SHD PRO 645 03 SHD 640 35		
Manitou				
4RM40K SITE LIFT		SHD PRO 680 08 SHD 680 32		
BL22 SITE LIFT		625 13		
MB 25 D, 25TC, 30TC, 40, 50, 60		SHD PRO 680 08 SHD 680 32		
MB20, MB25, MB25C, MB26C, MB30		610 48		
MB25M		SHD PRO 680 08 SHD 680 32		
MB25P FARM LIFT		625 13		
MC10, 15, 20, 25, 30, MC20H		610 48		
MC40 TC, 50, 80		SHD PRO 680 08 SHD 680 32		
MCL 30H		610 48		
ROUGH TERRAIN VEHICLE		610 48		
MAN				
alle Modelle/all models 2, 4 S 1, 4 S 2, 4 T, 22		SHD PRO 680 08 SHD 680 32		
Marco				
MSL 500 B		600 26		
Marshall				
135			AGM 580 01	PRO P84 40

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
642 - 844		SHD PRO 645 03 SHD 640 35		
944, D 110		SHD PRO 680 08 SHD 680 32		
Massey Ferguson				
Harvesters 7340 Activa Economy		SHD 670 33		
Harvesters 7344 Activa		680 89		
Harvesters 7380		680 89		
Harvesters 7382		680 89		
Harvesters 9380		680 89		
Harvesters MF 21		680 89		
Harvesters MF 24 / 27		680 89		
Harvesters MF 29 / 31 / 31XP		680 89		
Harvesters MF 30 / 32 / 34 / 36		680 89		
Harvesters MF 38 / 40		680 89		
Harvesters MF 7240		SHD 670 33		
Harvesters MF 7242		680 89		
Harvesters MF 7244		680 89		
Harvesters MF 7244		680 89		
Harvesters MF 7245 / 7246		680 89		
Harvesters MF 7247 S		680 89		
Harvesters MF 7250 / 7252		680 89		
Harvesters MF 7254 / 7256 AL		680 89		
Harvesters MF 7256		680 89		
Harvesters MF 7260		680 89		
Harvesters MF 7270 Beta		680 89		
Harvesters MF 7272 / 7274 / 7276 AL		680 89		
Harvesters MF 7272 / 7274 / 7278 / AL Cerea		680 89		
Harvesters MF 7280 / 7282 / AL Centora		680 89		
Harvesters MF 7345S / AL / MCS (SCR) Activa		680 89		
Harvesters MF 7347 S / AL / MCS (SCR) Activa		680 89		
Harvesters MF 7360 / PL (SCR) Beta		680 89		
Harvesters MF 7370 / PL (SCR) Beta		680 89		
Harvesters MF 9280 / AL Delta		680 89		
Harvesters MF 94C, MF133, MF134C		625 11		
Harvesters MF 9520 Fortia	01.12-12.14		AGM 560 01	
Harvesters MF 9530 Fortia	01.12-12.14		AGM 560 01	
Harvesters MF 9540 Fortia	01.12-12.14		AGM 560 01	
Harvesters MF 9550 / 9560 Fortia	01.12-12.14		AGM 560 01	
Harvesters MF 9695 / 9795 Fortia		610 48		
Harvesters MF 9895 Fortia		610 48		
Telescopic loaders 8925		610 11		
Telescopic loaders 8926		610 11		
Telescopic loaders 89410		610 11		
Telescopic loaders 8947		610 11		
Telescopic loaders 9305 Xtra		610 11		
Telescopic loaders 9306 Xtra		610 11		
Telescopic loaders 9407, S Xtra		610 11		
Tractors 1004		625 11		
Tractors 1004		610 11		
Tractors 1004T				P70 24
Tractors 1007	01.70-10.88	610 11		
Tractors 1007	11.88-		EFB 595 15	P95 04
Tractors 1014		SHD 670 33		
Tractors 1014		625 11		
Tractors 1080		610 11		
Tractors 1100		610 11		
Tractors 1114		SHD 670 33		



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Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Tractors 1114		625 11		
Tractors 1134		SHD 670 33		
Tractors 1134		625 11		
Tractors 1200		610 11		
Tractors 130		610 11		
Tractors 132				P88 20
Tractors 1320				
Tractors 1325			AGM 570 01	PRO P77 40
Tractors 133		610 11		
Tractors 1335			AGM 570 01	PRO P77 40
Tractors 1345			AGM 570 01	PRO P77 40
Tractors 134V	01.70-10.88			P70 24
Tractors 134V	11.88-		AGM 570 01	PRO P77 40
Tractors 135		610 11		
Tractors 139				P88 20
Tractors 142				P88 20
Tractors 148		610 11		
Tractors 1519				P45 24
Tractors 152		610 11		
Tractors 1520				P45 24
Tractors 1523				P45 24
Tractors 1525				P45 24
Tractors 1529				P45 24
Tractors 1531				P45 24
Tractors 1532				P45 24
Tractors 1540				P70 24
Tractors 1547			EFB 595 15	P95 04
Tractors 154S	01.70-10.88			P70 24
Tractors 154S	11.88-		AGM 592 01	PRO P100 40
Tractors 154V				P70 24
Tractors 154V			AGM 570 01	PRO P77 40
Tractors 155		610 11		
Tractors 158		610 11		
Tractors 164V				P70 24
Tractors 164V			AGM 570 01	PRO P77 40
Tractors 165		610 11		
Tractors 168		625 11		
Tractors 174S	11.88-		EFB 595 15	P95 04
Tractors 174V	01.70-10.88	610 11		
Tractors 174V	11.88-		AGM 570 01	PRO P77 40
Tractors 1740, 1747				P70 24
Tractors 177		625 11		
Tractors 178		625 11		
Tractors 1805		610 11		
Tractors 184S			EFB 595 15	P95 04
Tractors 184S		610 11		
Tractors 188		625 11		
Tractors 194A		610 11		
Tractors 194F	01.70-10.88	610 11		
Tractors 194F	11.88-		EFB 595 15	P95 04
Tractors 2210		610 11		
Tractors 2225		610 11		
Tractors 2235		610 11		
Tractors 230		625 11		
Tractors 233				P70 24
Tractors 234		625 11		
Tractors 234S				P70 24
Tractors 235		610 11		
Tractors 235S				P88 20
Tractors 240				P70 24
Tractors 240S			AGM 570 01	PRO P77 40
Tractors 2410			AGM 570 01	PRO P77 40
Tractors 2415			AGM 570 01	PRO P77 40
Tractors 2430			EFB 595 15	P95 04
Tractors 2435			EFB 595 15	P95 04
Tractors 2440			EFB 595 15	P95 04
Tractors 245		610 11		
Tractors 25/30		610 11		
Tractors 253	01.70-10.88			P70 24
Tractors 253	11.88-		AGM 592 01	PRO P100 40
Tractors 254				P70 24
Tractors 254S			AGM 592 01	PRO P100 40
Tractors 255		610 11		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Tractors 260		610 11		
Tractors 2625		610 11		
Tractors 263		610 11		
Tractors 263T				P70 24
Tractors 263T			AGM 592 01	PRO P100 40
Tractors 2640		610 11		
Tractors 2645		610 11		
Tractors 265		610 11		
Tractors 2680		610 11		
Tractors 2685		610 11		
Tractors 2720		610 11		
Tractors 2725/2705, 2745		610 11		
Tractors 273	01.70-10.88	610 11		
Tractors 273	11.88-		EFB 595 15	P95 04
Tractors 274		610 11		
Tractors 274S	11.88-		EFB 595 15	P95 04
Tractors 274SK	01.70-10.88	610 11		
Tractors 274SK	11.88-		EFB 595 15	P95 04
Tractors 275		625 11		
Tractors 283	01.70-10.88	610 11		
Tractors 283	11.88-		EFB 595 15	P95 04
Tractors 284			EFB 595 15	P95 04
Tractors 284S	01.70-10.88	610 40		
Tractors 284S	11.88-		EFB 595 15	P95 04
Tractors 285		625 11		
Tractors 290		610 11		
Tractors 293	01.70-10.88	610 11		
Tractors 293	11.88-		EFB 595 15	P95 04
Tractors 294A		610 11		
Tractors 294S	01.70-10.88	610 40		
Tractors 294S	11.88-		EFB 595 15	P95 04
Tractors 3050		625 11		
Tractors 3050				572 33 Starting Bull
Tractors 3060		625 11		
Tractors 3060				572 33 Starting Bull
Tractors 3065		625 11		
Tractors 3065				572 33 Starting Bull
Tractors 3070		625 11		
Tractors 3070				572 33 Starting Bull
Tractors 3075				572 33 Starting Bull
Tractors 3080		625 11		
Tractors 3080				572 33 Starting Bull
Tractors 3085				572 33 Starting Bull
Tractors 3090		625 11		
Tractors 3090				572 33 Starting Bull
Tractors 3095				572 33 Starting Bull
Tractors 3115				572 33 Starting Bull
Tractors 3120				572 33 Starting Bull
Tractors 3125				572 33 Starting Bull
Tractors 3315			AGM 592 01	PRO P100 40
Tractors 3325			AGM 592 01	PRO P100 40
Tractors 333	01.70-10.88			P70 24
Tractors 333	11.88-		AGM 592 01	PRO P100 40
Tractors 3330			AGM 592 01	PRO P100 40
Tractors 3340			AGM 592 01	PRO P100 40
Tractors 3345			AGM 592 01	PRO P100 40
Tractors 3350			AGM 592 01	PRO P100 40
Tractors 3355			AGM 592 01	PRO P100 40
Tractors 340				572 33 Starting Bull
Tractors 342				572 33 Starting Bull

AGRICULTURAL AND CONSTRUCTION MACHINERY

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Tractors 3425			AGM 592 01	PRO P100 40
Tractors 3435			AGM 592 01	PRO P100 40
Tractors 3445			AGM 592 01	PRO P100 40
Tractors 3455			AGM 592 01	PRO P100 40
Tractors 35		610 11		
Tractors 352				572 33 Starting Bull
Tractors 353	01.70-10.88			P70 24
Tractors 353	11.88-		AGM 592 01	PRO P100 40
Tractors 354F			AGM 592 01	PRO P100 40
Tractors 354S			AGM 592 01	PRO P100 40
Tractors 354V				PRO P77 40
Tractors 3615			AGM 580 01	PRO P84 40
Tractors 362				572 33 Starting Bull
Tractors 3625			AGM 580 01	PRO P84 40
Tractors 3625 V / S / F / GE			AGM 580 01	PRO P84 40
Tractors 363	01.70-10.88			P70 24
Tractors 363	11.88-		AGM 580 01	PRO P84 40
Tractors 3630				572 33 Starting Bull
Tractors 3630 A			AGM 580 01	PRO P84 40
Tractors 3630 V / S / F / GE			AGM 580 01	PRO P84 40
Tractors 3635				572 33 Starting Bull
Tractors 3635 V / S / F / GE			AGM 580 01	PRO P84 40
Tractors 3640 A / F			AGM 580 01	PRO P84 40
Tractors 3640 V / S / F / GE			AGM 580 01	PRO P84 40
Tractors 3645			AGM 580 01	PRO P84 40
Tractors 3645				572 33 Starting Bull
Tractors 3645 V / S / F / GE			AGM 580 01	PRO P84 40
Tractors 364F			AGM 580 01	PRO P84 40
Tractors 364V				PRO P77 40
Tractors 365		625 11		
Tractors 3650				572 33 Starting Bull
Tractors 3650 A / F			AGM 580 01	PRO P84 40
Tractors 3650 S / F / GE			AGM 580 01	PRO P84 40
Tractors 3655				572 33 Starting Bull
Tractors 3655 V / S / F / GE			AGM 580 01	PRO P84 40
Tractors 3660 F			AGM 580 01	PRO P84 40
Tractors 3660 S / F / GE			AGM 580 01	PRO P84 40
Tractors 3670		610 11		
Tractors 3680				
Tractors 3680		610 11		
Tractors 3690		610 11		
Tractors 372		610 11		
Tractors 373	11.88-		EFB 595 15	P95 04
Tractors 374F			EFB 595 15	P95 04
Tractors 374S			EFB 595 15	P95 04
Tractors 374V			AGM 570 01	PRO P77 40
Tractors 374F/H/S			AGM 592 01	PRO P100 40
Tractors 375				572 33 Starting Bull
Tractors 377	01.70-10.88	610 11		
Tractors 377	11.88-		EFB 595 15	P95 04
Tractors 382				572 33 Starting Bull
Tractors 383	01.70-10.88	610 11		
Tractors 383	11.88-		EFB 595 15	P95 04
Tractors 384			AGM 592 01	PRO P100 40
Tractors 384F			EFB 595 15	P95 04
Tractors 384S			EFB 595 15	P95 04
Tractors 387	01.70-10.88	610 11		
Tractors 387	11.88-		EFB 595 15	P95 04
Tractors 390				572 33 Starting Bull
Tractors 390T				572 33 Starting Bull
Tractors 393	01.70-10.88	610 11		
Tractors 393	11.88-		EFB 595 15	P95 04

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Tractors 394			AGM 592 01	PRO P100 40
Tractors 394F			EFB 595 15	P95 04
Tractors 394S			EFB 595 15	P95 04
Tractors 397	01.70-10.88	610 11		
Tractors 397	11.88-		EFB 595 15	P95 04
Tractors 397T			EFB 595 15	P95 04
Tractors 399				572 33 Starting Bull
Tractors 410			AGM 592 01	PRO P100 40
Tractors 420			AGM 592 01	PRO P100 40
Tractors 4215		610 11		
Tractors 4220		610 11		
Tractors 4225		610 11		
Tractors 4225				572 33 Starting Bull
Tractors 4235		610 11		
Tractors 4235				572 33 Starting Bull
Tractors 4240		610 11		
Tractors 4240				572 33 Starting Bull
Tractors 4245		610 11		
Tractors 4245				572 33 Starting Bull
Tractors 4255		610 11		
Tractors 4255				572 33 Starting Bull
Tractors 4260				572 33 Starting Bull
Tractors 4265		610 11		
Tractors 4265				572 33 Starting Bull
Tractors 4270				572 33 Starting Bull
Tractors 4315		625 11		
Tractors 4320		625 11		
Tractors 4325		610 11		
Tractors 4335		610 11		
Tractors 4345		610 11		
Tractors 4355		610 11		
Tractors 4360		610 11		
Tractors 4365		610 11		
Tractors 4370				572 33 Starting Bull
Tractors 4435		610 48		
Tractors 4445		610 48		
Tractors 4455		610 48		
Tractors 4708			AGM 592 01	PRO P100 40
Tractors 4709			AGM 570 01	PRO P77 40
Tractors 5410				
Tractors 5420				
Tractors 5425			AGM 592 01	PRO P100 40
Tractors 5430				
Tractors 5435			AGM 592 01	PRO P100 40
Tractors 5440				
Tractors 5445			AGM 592 01	PRO P100 40
Tractors 5450				
Tractors 5455			AGM 592 01	PRO P100 40
Tractors 5460			AGM 592 01	PRO P100 40
Tractors 5465				572 33 Starting Bull
Tractors 5470				572 33 Starting Bull
Tractors 5475			AGM 592 01	PRO P100 40
Tractors 5480			AGM 592 01	PRO P100 40
Tractors 560		610 11		
Tractors 5608			AGM 592 01	P100 40
Tractors 5609			AGM 592 01	P100 40
Tractors 5610			AGM 592 01	P100 40
Tractors 5611			AGM 592 01	P100 40
Tractors 5612			AGM 592 01	P100 40
Tractors 5613			AGM 592 01	P100 40
Tractors 5710 SL			AGM 592 01	P100 40



AGRICULTURAL AND CONSTRUCTION MACHINERY

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Tractors 5711 SL			AGM 592 01	P100 40
Tractors 5712 SL			AGM 592 01	P100 40
Tractors 5713 SL			AGM 592 01	P100 40
Tractors 575		625 11		
Tractors 590		625 11		
Tractors 595		SHD 670 33		
Tractors 6100			AGM 570 01	PRO P77 40
Tractors 6120				572 33 Starting Bull
Tractors 6130				572 33 Starting Bull
Tractors 6140				572 33 Starting Bull
Tractors 6150				572 33 Starting Bull
Tractors 6160				572 33 Starting Bull
Tractors 6170				572 33 Starting Bull
Tractors 6180				572 33 Starting Bull
Tractors 6190				572 33 Starting Bull
Tractors 6200			AGM 570 01	PRO P77 40
Tractors 6235				572 33 Starting Bull
Tractors 6245				572 33 Starting Bull
Tractors 6255				572 33 Starting Bull
Tractors 6260				572 33 Starting Bull
Tractors 6265				572 33 Starting Bull
Tractors 6270				572 33 Starting Bull
Tractors 6280				572 33 Starting Bull
Tractors 6290				572 33 Starting Bull
Tractors 6400			AGM 570 01	PRO P77 40
Tractors 6445				572 33 Starting Bull
Tractors 6455				572 33 Starting Bull
Tractors 6460				572 33 Starting Bull
Tractors 6465				572 33 Starting Bull
Tractors 6470				572 33 Starting Bull
Tractors 6475				572 33 Starting Bull
Tractors 6480				572 33 Starting Bull
Tractors 6485				572 33 Starting Bull
Tractors 6490				572 33 Starting Bull
Tractors 6495				572 33 Starting Bull
Tractors 6497				572 33 Starting Bull
Tractors 6499				572 33 Starting Bull
Tractors 65		610 11		
Tractors 6612			AGM 570 01	PRO P77 40
Tractors 6613			AGM 570 01	PRO P77 40
Tractors 6614			AGM 570 01	PRO P77 40
Tractors 6615			AGM 570 01	PRO P77 40
Tractors 6616			AGM 570 01	PRO P77 40
Tractors 7465				572 33 Starting Bull

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Tractors 7475				572 33 Starting Bull
Tractors 7480				572 33 Starting Bull
Tractors 7485				572 33 Starting Bull
Tractors 7490				572 33 Starting Bull
Tractors 7495				572 33 Starting Bull
Tractors 7497				
Tractors 7499				
Tractors 7614			AGM 570 01	PRO P77 40
Tractors 7615			AGM 570 01	PRO P77 40
Tractors 7616			AGM 570 01	PRO P77 40
Tractors 7618			AGM 570 01	PRO P77 40
Tractors 7619			AGM 570 01	PRO P77 40
Tractors 7620			AGM 570 01	PRO P77 40
Tractors 7622			AGM 570 01	PRO P77 40
Tractors 7624			AGM 570 01	PRO P77 40
Tractors 7626			AGM 570 01	PRO P77 40
Tractors 7714			AGM 570 01	PRO P77 40
Tractors 7715			AGM 570 01	PRO P77 40
Tractors 7716			AGM 570 01	PRO P77 40
Tractors 7718			AGM 570 01	PRO P77 40
Tractors 7719			AGM 570 01	PRO P77 40
Tractors 7720			AGM 570 01	PRO P77 40
Tractors 7722			AGM 570 01	PRO P77 40
Tractors 7724			AGM 570 01	PRO P77 40
Tractors 7726			AGM 570 01	PRO P77 40
Tractors 8110				572 33 Starting Bull
Tractors 8120				572 33 Starting Bull
Tractors 8130				572 33 Starting Bull
Tractors 8140		610 11		
Tractors 8150		610 11		
Tractors 8160		610 11		
Tractors 8170		610 11		
Tractors 8210				572 33 Starting Bull
Tractors 8220				572 33 Starting Bull
Tractors 8240		610 11		
Tractors 8250		610 11		
Tractors 8260		610 11		
Tractors 8270		610 11		
Tractors 8280		610 11		
Tractors 8450				588 20
Tractors 8460				588 20
Tractors 8470				588 20
Tractors 8480				588 20
Tractors 8650			AGM 592 01	PRO P100 40
Tractors 8660			AGM 592 01	PRO P100 40
Tractors 8670			AGM 592 01	PRO P100 40
Tractors 8680			AGM 592 01	PRO P100 40
Tractors 8690			AGM 592 01	PRO P100 40
Tractors 8727			AGM 592 01	PRO P100 40
Tractors 8730			AGM 592 01	PRO P100 40
Tractors 8732			AGM 592 01	PRO P100 40
Tractors 8735			AGM 592 01	PRO P100 40
Tractors 8737			AGM 592 01	PRO P100 40
Tractors 8770			AGM 592 01	PRO P100 40
Tractors 8780			AGM 592 01	PRO P100 40
Tractors 8790			AGM 592 01	PRO P100 40
Tractors 9240				572 33 Starting Bull
H2-16 87xx CEA Tier 4F			AGM 592 01	PRO P100 40
Z11 SRT1-2 76xx Tier 4i			AGM 570 01	PRO P77 40
Z12 ERT 56xx Tier 3 HD, Tier 4i MD			AGM 592 01	PRO P100 40
Z13 VRT 66xx Tier 4i HD			AGM 570 01	PRO P77 40

AGRICULTURAL AND CONSTRUCTION MACHINERY

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Z15B LRT 87xx Tier 4F			AGM 592 01	PRO P100 40
Z16 SRT2-3 77xx Tier 4F			AGM 570 01	PRO P77 40
Z18 77xx Tier 4F			AGM 570 01	PRO P77 40
Z19 ERT 57xx Tier 4F MD			AGM 592 01	PRO P100 40
Z8C LRT 86xx Tier 4i			AGM 592 01	PRO P100 40
Z9 SRT2-2 76xx Tier 4i			AGM 570 01	PRO P77 40
Matador				
Combine harvester 87		600 26		
Matbro				
40, 50, 70, 80, 90, 100, 120, 150, 180, 200		625 11		
60, 80 LOADING / SHOVEL / SUPER LOADING / COMPACT		625 11		
MASTIFF 11 & 111, MASTIFF MAJOR LOADING, MASTER MINOR		625 11		
Series VY100, 120, 150, 180, 200		625 11		
Series VY60, 70, 80, 90		625 11		
STAR LOADING SHOVEL		625 11		
SUPER LOAD		625 11		
Matral				
alle Modelle/all models				P70 24
Matrot				
alle Modelle/all models		SHD PRO 680 08 SHD 680 32		
McCormick				
alle Modelle/all models		610 48		
Mecalac				
10MSX		SHD PRO 680 08 SHD 680 32		
12MSX		SHD PRO 680 08 SHD 680 32		
12MTX		SHD PRO 680 08 SHD 680 32		
6MCR		SHD PRO 680 08 SHD 680 32	EFB 595 15	P95 04
8MCR			EFB 595 15	P95 04
10MCR		SHD PRO 680 08 SHD 680 32	EFB 595 15	P95 04
714MCe		SHD 610 40		
714MWe		SHD 610 40		
AX700			EFB 570 15	P70 29
AX850			EFB 570 15	P70 29
AX1000			EFB 570 15	P70 29
AF1050			AGM 592 01	PRO P100 40
AF1200			AGM 592 01	PRO P100 40
AT900			AGM 592 01	PRO P100 40
AT1050			AGM 592 01	PRO P100 40
AS50			EFB 570 15	P70 29
AS700			AGM 592 01	PRO P100 40
AS900 (3A)			AGM 592 01	PRO P100 40
AS900 (3B)			EFB 595 15	P95 04
AS900 Tele			EFB 595 15	P95 04
AS1600			AGM 592 01	PRO P100 40
AS210e			AGM 592 01	PRO P100 40
Meili				
VM 1300		610 47		
VM 1400		635 27		
VM 1800		635 27		
VM 2500		635 27		
VM 3500 autom.		610 47		
VM 3500 HD40		635 27		
VM 500 Mini		635 27		
VM 600		610 47		
VM 7000		635 27		
VM 8000		635 27		
alle anderen Modelle/ all other models AB, MA		635 27		
MD Series		610 47		
Mengele				
SF2000, 3000, 4000, 5000, 5200, 5500, 5600, 5800		SHD PRO 645 03 SHD 640 35		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
SF 300, 400		SHD PRO 680 08 SHD 680 32		
SF 6000, 6300 6500, 6600, 6800, 7000, 7300, 7800		SHD 635 44		
Mercedes Benz				
1000/441, 1100/442, 1300/443, 1500/443		SHD PRO 645 03 SHD 640 35		
700/440, 800/440, 900/440		SHD PRO 645 03 SHD 640 35		
MB Track 1100, MB Track 1600, MB Track 6.60, MB Track 8		SHD PRO 680 08 SHD 680 32		
MB Track 700, 800, 900, 1000, 1300, 1400, 1500, 1600		SHD PRO 645 03 SHD 640 35		
U 1700/437 - U 2150/437		SHD PRO 645 03 SHD 640 35		
Tractors 65/70, 67/70, 680, 700, 800, 900, 1000, 1300, 1500, 1600		SHD PRO 645 03 SHD 640 35		
UNIMOG U 100/110, U 1000 - U 2450	01.66-	SHD PRO 645 03 650 11		
UNIMOG U 3000/4000/5000	01.66-	600 26		
UNIMOG U 300/400	01.66-	SHD PRO 645 03 650 11		
UNIMOG U 500	01.66-	SHD PRO 645 03 650 11		
UNIMOG U 60T, U 600T	01.66-	600 26		
UNIMOG U 66/72/90, U 800/900		SHD PRO 645 03 650 11		
UNIMOG (U20)	01.12-	635 27		
Mercury				
13M, 13M2, 30M2, 32P, 40M, 40M2, 43P, 45P, 46P, 55P, 65P, 70P		610 11		
200, 300		610 11		
AT40, AT46, AT65P, AT70		610 11		
MD250/400 (Perkins V8 Eng.)		610 11		
MD40/60, 70		625 11		
Merlo				
alle Modelle/all models			AGM 592 01	PRO P100 40
Cement mixer DBM 1200			AGM 580 01	PRO P84 40
DM 1000				P70 24
MHT				
Harvester 132 HVT plus			AGM 570 01	PRO P77 40
Harvester 18002 HVT			AGM 592 01	PRO P100 40
Harvester 242 HV, HVT			AGM 592 01	PRO P100 40
Harvester 9002 HV			AGM 570 01	PRO P77 40
Michigan				
125B, 175B, 275A, 280, 380		680 89		
125C, 175C		610 11		
275B, C		610 11		
35 A Perkins (B)		SHD PRO 680 08 680 11		
35A		680 89		
35B		600 26		
45C, 55C		610 11		
475B		680 89		
475C, L320		610 11		
55		SHD PRO 680 08 680 11		
55, 65, 75 Leyland		610 11		
75, 85 Cummins and GM		625 11		
750A, 753A		625 11		
75B		SHD PRO 645 03 650 11		
75C		610 11		
95 A 2		SHD PRO 680 08 680 11		
L190, L270, L320, L480		610 48		
Mikasa				
Road roller NOR 20 N			EFB 595 15	P95 04
Moll				
Combine harvester			EFB 595 15	P95 04
Motostandard				
1050 D - 3000				PRO P50 40



AGRICULTURAL AND CONSTRUCTION MACHINERY

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Moxy				
MT26 - MT 31		SHD PRO 645 03 650 11		
MT36 - MT41		SHD PRO 725 03 SHD 725 11		
5200, 6200S		SHD 670 33		
MTZ				
Tractor			AGM 580 01	PRO P84 40
Napolione				
2800			AGM 570 01	PRO P77 40
3000 - 5000				P70 24
6000 - 10000			AGM 570 01	PRO P77 40
Nardi				
alle Modelle/all models				P70 24
Neuson				
Bagger 803				PRO P50 42
Bagger 9503, 14504		SHD PRO 645 03 650 11		
Bagger, Dumper 1001-1601				PRO P50 42
Bagger, Dumper 1404-2403				PRO P50 42
Bagger, Dumper 28z3				PRO P50 42
Bagger, Dumper, SSL 2001*			AGM 570 01/ EFB 565 12	PRO P77 42
Bagger, Dumper, SSL 2503*			AGM 570 01/ EFB 565 12	PRO P77 42
Bagger, Dumper, SSL 3001-5001			AGM 592 01	PRO P100 40
Bagger, Dumper, SSL 3503-8003			AGM 592 01	PRO P100 40
Bagger, Dumper, SSL 38z3*			AGM 570 01/ EFB 565 12	PRO P77 42
Bagger, Dumper, SSL 501*			AGM 570 01/ EFB 565 12	PRO P77 42
Bagger, Dumper, SSL 701			AGM 592 01	PRO P100 40
Dumper 6001, 9001, 10001			AGM 592 01	PRO P100 40
SSL 901, 1101			AGM 592 01	PRO P100 40
Neuson-Kramer				
Radlader 180, 280				PRO P50 42
Radlader 380, 480, 750, 850*			AGM 570 01/ EFB 565 12	PRO P77 42
Radlader 580, 680, 950, 1150*			AGM 570 01/ EFB 565 12	PRO P77 42
Radlader 880*			AGM 570 01/ EFB 565 12	PRO P77 42
Teleradlader 580 T*			AGM 570 01/ EFB 565 12	PRO P77 42
Teleradlader 750 T*			AGM 570 01/ EFB 565 12	PRO P77 42
Teleskopen 3306*			AGM 570 01/ EFB 565 12	PRO P77 42
Teleskopen 4009*			AGM 570 01/ EFB 565 12	PRO P77 42
Teleskopen 4107*			AGM 570 01/ EFB 565 12	PRO P77 42
Neuson-MHT				
Harvester 132 HVT plus*			AGM 570 01/ EFB 565 12	PRO P77 42
Harvester 18002 HVT			AGM 592 01	PRO P100 40
Harvester 242 HV, HVT			AGM 592 01	PRO P100 40
Harvester 9002 HV*			AGM 570 01/ EFB 565 12	PRO P77 42
New Holland				
TM-Series TM 120, 130, 140, 155, 175, 190		SHD PRO 680 08 SHD 680 32		
Tractors 70		610 11 632 11		
Tractors T6060		600 26 632 11		
Tractors 8055		SHD PRO 645 03 SHD 640 35		
Tractors TS 90-135 (4 cyl.)		610 11 632 11		
Tractors TS 90-135 (6 cyl.)		610 47 632 11		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Nissan				
DF05A50U, DF05A60U, DF5A70U		610 48		
FF05A70U		610 48		
QF01		610 48		
QFF02 FORK LIFT (Diesel)		610 48		
Trucks FD104, 105		600 35		
Trucks FD106, 107		SHD PRO 645 03 SHD 640 35		
Trucks H 02 diesel		600 35		
Nuffield-BMC				
245, 253		610 48		
262, 270, 272, 344, 384, 255		625 13		
3/45, 3/65, mini		610 11		
342, Universal		600 26		
4/25, 4/65		610 48		
DM-3, 3-DL, 10-42		600 26		
Omme				
alle Modelle/all models		SHD PRO 645 03 SHD 640 35		
Orenstein & Koppel				
DE 100		SHD 670 33		
DE 26		SHD PRO 680 08 SHD 680 32		
DFG 26, DFG 30, DFG 40, DFG 50, DFG 60, DFG 80		SHD PRO 645 03 SHD 640 35		
G12		SHD PRO 645 03 SHD 640 35		
MH 122		SHD 635 44		
MH 6		SHD 610 40 SHD 635 44		
MH 9, MH 12, MH 14, MH 18, MH 25		SHD PRO 645 03 SHD 640 35		
RH 6, RH 9, RH 12, RH 14, RH 18, RH 25		SHD PRO 645 03 SHD 640 35		
RH 60, RH 70, RH 75		SHD PRO 680 08 SHD 680 32		
RH 122		SHD 635 44		
P&H				
RT180, 200		680 89		
T200, 220, 250, 300, 440, 500, 600, 750		680 89		
W250, WS250, 350		680 89		
Paget (Valmet)				
305, 405, 502, 504, 505, 602, 604, 605, 702, 705		SHD PRO 680 08 SHD 680 32		
802, 803, 805, 903, 905		SHD PRO 680 08 SHD 680 32		
6300, 6400, 6600, 8000, 8100 E, 8400		SHD PRO 680 08 SHD 680 32		
Parca				
Tractor 714		600 26		
Pasquali				
409, 440				PRO P50 40
439, 492, 493, 944			AGM 560 01	PRO P63 40
9445, 955, 985				PRO P50 40
947			EFB 570 15	P70 29
951, 976, 987				P70 24
957, 958 - 978				P70 24
965 - 979			AGM 570 01	PRO P77 40
985 - 995			AGM 560 01	PRO P63 40
992				PRO P50 40
996, 997			AGM 570 01	PRO P77 40
Payloader				
510, 515		610 48		
540, 560, H-90E		680 89		
H25B, 500		610 48		
H30B, H50B, DH50B		600 26		
H65C		SHD PRO 645 03 SHD 640 35		
Pegaso-Enasa				
545, 645			AGM 580 01	PRO P84 40
PEL-JOB				
EB706		610 11		

AGRICULTURAL AND CONSTRUCTION MACHINERY

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
TP13D		610 11		
TP15D		SHD PRO 680 08 680 11		
Poclair				
75C, 75P, 90C, 90P, 115C, 115P, 160C		SHD PRO 680 08 680 11		
GC, GY, LC, LY		SHD 635 44		
GCK		SHD PRO 645 03 650 11		
MC		SHD PRO 680 08 680 11		
MY		SHD PRO 645 03 650 11		
P 10, P 20		SHD PRO 645 03 650 11		
SC		SHD PRO 680 08 680 11		
Excavators 125CKIB, 170		680 89		
Excavators 60, 90, 115, 160		SHD PRO 680 08 680 11		
Excavators GC120, 125CKB		600 26		
Excavators MC100, P75,		680 89		
Excavators P60		SHD PRO 645 03 SHD 640 35		
Ponsse				
alle Modelle/all models		SHD PRO 680 08 SHD 680 32		
Porsche				
alle Modelle/all models 218-419, AP, AR, P 111			AGM 580 01	PRO P84 40
Power General				
Compressor 500 D			EFB 570 15	P70 29
Propermat				
PSE			AGM 560 01	PRO P63 40
Rammax				
Compactor small			AGM 560 01	PRO P63 40
Road roller 2200, 2400; Com- pactor large			AGM 570 01	PRO P77 40
Ransome & Rapier				
Excavators Crane Benzin/petrol		600 26		
Ransomes				
alle Modelle/all models				PRO P50 40
Rapid				
300, Alltrac 1800 - 2500, Alltrac AC 2000			AGM 580 01	PRO P84 40
Cargo-Trac			AGM 592 01	PRO P100 40
Tractor MT 200				P70 24
Tractor MT 3000			AGM 580 01	PRO P84 40
Rapid Special (Slanzi mot.)			AGM 560 01	PRO P63 40
Reform Multi				
33, 50, 1450			AGM 592 01	PRO P100 40
45, 145		600 26		
Reformwerke				
Bison, Bison Super		SHD PRO 725 03 SHD 725 11		
Metrac alle Modelle/ all models			AGM 592 01	PRO P100 40
Muli 145 - 401, 50 - 600			AGM 592 01	PRO P100 40
Muli 45			AGM 592 01	PRO P100 40
Reliance				
2500, 3000			AGM 570 01	PRO P77 40
Renault				
ARES		SHD PRO 680 08 SHD 680 32		
CERES 320, 330, 340X, 345X,		610 11		
CERGOS 340, 350, 355		610 11		
100-Series 106.54 - 180.94		SHD PRO 680 08 SHD 680 32		
60-Series 68.12, 68.14		610 48		
90-Series 95-12, 103-12, 103-14		610 11		
Tractors 551-4, 651-4, 681-4, 751-5, 751-45		610 11		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Tractors 68RS, 75RS, 95TX, 103TX		610 48		
Richier-Demag				
BPH247A		680 89		
Riviere Casalis				
H 500		SHD PRO 645 03 SHD 640 35		
RC 5500		SHD PRO 680 08 SHD 680 32		
TVL 353, 453, 463			AGM 580 01	PRO P84 40
Rolba				
R 200 E			AGM 592 01	PRO P100 40
Rotair				
Compressor MDVN 32				P70 24
Rottne				
Forest machines Rapid		SHD PRO 645 03 SHD 640 35		
Ruston Bycyrus				
30RBH		SHD PRO 680 08 SHD 680 32		
S.I.F.T.				
15, 26			AGM 580 01	PRO P84 40
Saint Chamond				
alle Modelle/all models			AGM 580 01	PRO P84 40
Same				
1056P, 1056PT		SHD PRO 645 03 SHD 640 35		
Ariete		610 48		
Centoro 70		SHD PRO 680 08 SHD 680 32		
Centurion 75		SHD PRO 680 08 SHD 680 32		
Dinosauro		SHD PRO 680 08 SHD 680 32		
Jaguar 95		SHD PRO 680 08 SHD 680 32		
KRIPTON 80, 90, 100		610 48		
Mercury		SHD PRO 645 03 SHD 640 35		
Minitauro		SHD PRO 645 03 SHD 640 35		
Minitaurus		640 35		
Panther		SHD PRO 645 03 SHD 640 35		
Sirenetta		610 11		
Taurus		SHD PRO 645 03 SHD 640 35		
Trident		SHD PRO 680 08 SHD 680 32		
Aurora-Series Aurora 45		610 11		
Buffalo-Series Buffalo		SHD PRO 680 08 SHD 680 32		
Condor-Series Condor 55		610 11		
Delfino 32		610 11		
Drago		SHD PRO 680 08 SHD 680 32		
Hercules-Serie Hercules		SHD PRO 680 08 SHD 680 32		
Laser-Serie Laser 110, 130, 150		SHD PRO 680 08 SHD 680 32		
Leopard-Serie Leopard 85 DT, 85 U, 90		SHD PRO 680 08 SHD 680 32		
Leopard C		SHD PRO 645 03 SHD 640 35		
Tiger 100, 105		SHD PRO 680 08 SHD 680 32		
Tractors Aricte		600 26		
Tractors Aricte		610 11		
Tractors Drago 100		SHD 670 33		
Tractors Silver 80, 90, 100		SHD PRO 680 08 SHD 680 32		
Samsung				
SE210 LC3		680 89		



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Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
SE235 LC3, 240 LC3, 280 LC3, 290 LC3, 350, 450		SHD PRO 725 03 SHD 725 11		
SE350, SE450		SHD PRO 725 03 SHD 725 11		
Schaeff				
HR26B, HS26AS, HML30A/B/C		SHD PRO 645 03 650 11		
SKL850, SKB800, SKB840, HR30		SHD PRO 645 03 650 11		
SKB 800, SKB 840		SHD PRO 645 03 650 11		
SKL 300-701		SHD PRO 645 03 650 11		
Schanzlin				
Gigant-series Gigant 300 (35 HP)			AGM 570 01	PRO P77 40
Gigant-series alle anderen Modelle/all other models			AGM 580 01	PRO P84 40
Golftrac			AGM 570 01	PRO P77 40
Schilter				
ST 9500 A		SHD PRO 645 03 SHD 640 35		
Schmidt				
HF 2		SHD PRO 645 03 SHD 640 35		
SK 310			AGM 570 01	PRO P77 40
SKS 150, SKS 250			AGM 592 01	PRO P100 40
VF 311		SHD PRO 645 03 SHD 640 35		
Schäff				
NR 26 A			AGM 580 01	PRO P84 40
alle anderen Modelle/ all other models		SHD PRO 645 03 SHD 640 35		
Shibaura				
GT 14, GT 16			EFB 555 15	P45 23
V 475 F, V 490 F			EFB 555 15	P45 23
Tractor Minitractor				P70 24
Tractor S 500-0, 2500-0, 1640, SE 160				P70 24
Shilter				
Tractor 1000, 1500			EFB 570 15	P70 29
Sicom				
600			AGM 592 01	PRO P100 40
1000			AGM 570 01	PRO P77 40
Someca (Fiat)				
M 90, M 100, M 150			AGM 580 01	PRO P84 40
M 120		SHD PRO 680 08 SHD 680 32		
Space Saver				
alle Modelle/all models			EFB 595 15	P95 04
Sperry New Holland				
1540 - 1895			AGM 570 01	PRO P77 40
8030, 8040			AGM 580 01	PRO P84 40
8055		SHD PRO 645 03 SHD 640 35		
8070, 8080			AGM 570 01	PRO P77 40
818 - 907			AGM 560 01	PRO P63 40
Sampo 500, TF 32, TF 34			AGM 570 01	PRO P77 40
TF 42, TF 44			AGM 580 01	PRO P84 40
TX 32, 34			AGM 570 01	PRO P77 40
TX 36 - TX 56			AGM 580 01	PRO P84 40
Stavostroj				
KNB250, KTO300, SFS100		SHD PRO 680 08 680 11		
TLN030, RN030		SHD PRO 645 03 650 11		
VP200 Standard		SHD PRO 680 08 680 11		
VP200 Torpedo		SHD PRO 645 03 650 11		
VSH100		SHD PRO 680 08 680 11		
VSH150, 61W, 102W		SHD PRO 645 03 650 11		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
W500D, W500PD		SHD PRO 680 08 680 11		
W71, 110, 112, 113, 170		SHD PRO 645 03 650 11		
W900D		SHD PRO 645 03 650 11		
ZV1500		SHD PRO 645 03 650 11		
Steinbock				
DPG/NA			EFB 595 15	P95 04
Steyr				
15, 18			EFB 595 15	P95 04
30, 40		600 26		
70		SHD PRO 680 08 SHD 680 32		
D 80, 84			AGM 560 01	PRO P63 40
83 TK		SHD PRO 645 03 SHD 640 35		
86 ST		600 26		
90			AGM 592 01	PRO P100 40
185			EFB 570 15	P70 29
188, 190 - 280		600 26		
D 180			AGM 580 01	PRO P84 40
D 188			AGM 592 01	PRO P100 40
430, 540		600 26		
545, -Super, 548		SHD PRO 645 03 SHD 640 35		
650, 658, 760, 768			EFB 570 15	P70 29
870		SHD PRO 645 03 SHD 640 35		
980, -Super, 988		SHD PRO 680 08 SHD 680 32		
1030 - 1400		SHD PRO 680 08 SHD 680 32		
1108			AGM 592 01	PRO P100 40
8045, -A, 8055, 8065			AGM 580 01	PRO P84 40
8060 - 8090		SHD PRO 645 03 SHD 640 35		
8110 - 8130 Turbo		SHD PRO 680 08 SHD 680 32		
8140 - 8180		SHD PRO 680 08 SHD 680 32		
8300, 8320		SHD PRO 645 03 SHD 640 35		
9078 - 9094			AGM 580 01	PRO P84 40
9125		SHD PRO 680 08 SHD 680 32		
9155, 9170, 9190		SHD PRO 680 08 SHD 680 32		
D 430, 540, 580			AGM 592 01	PRO P100 40
M 958 - M 975			AGM 592 01	PRO P100 40
M 9086 - M 9094 Base			AGM 592 01	PRO P100 40
Tractors 30, 40, 90			EFB 595 15	P95 04
Tractor 180			EFB 595 15	P95 04
Tractors 188, 190			AGM 560 01	PRO P63 40
Tractors 8055, 8065			AGM 592 01	PRO P100 40
Tractors 1100 - 1400		600 26		
Tractors CVT 120, 130, 150, 170		SHD 670 33		
Tractors Kompakt+Multi 4075, 4085, 4095, 4105, 4115	01.12-			
Stiga				
Lawnmower TR 90			EFB 565 15	P60 68
Stiger				
1840, 2540				P95 05
Still				
Truck R 40, 43			AGM 592 01	PRO P100 40
Truck 7001 - 7037				PRO P50 40
Sullair				
Compressor F 35 D, 50 D, 74 D, 94 D			AGM 592 01	PRO P100 40
Compressor 21D, 28 D, 34 D, F 40 D			AGM 570 01	PRO P77 40
Compressor F 54 D			AGM 570 01	PRO P77 40

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Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Tadano				
TB 12			EFB 570 15	P70 29
TB 25 - 45				P95 05
TB 650S			EFB 570 15	P70 29
TBO 25, TBO 35			EFB 595 15	P95 04
TL 20				P70 24
Takeuchi				
alle Modelle/all models				P70 24
TB 020 - TB 045				
TCM				
Wheel loader FD 20, 25, 30		600 26		
Wheel loader FG 20		600 26		
Wheel loader FG 25				P70 24
Tecnom				
655		SHD PRO 680 08 680 11		
Terex				
3307, 7221, 7231, 7241, 7251, 7271, 8220, 8230, 8240		680 89		
L20, L30		680 89		
Terex-Atlas				
TM350, TM520		SHD PRO 645 03 650 11		
Terex-Fuchs				
MHL250E		SHD PRO 645 03 650 11		
MHL320D		SHD 610 40		
MHL331D		SHD 610 40		
MHL331E		SHD 610 40		
MHL335D		SHD 610 40		
MHL335E		SHD 610 40		
MHL340D		SHD 610 40		
MHL340D FQC		SHD 610 40		
MHL340E		SHD 610 40		
MHL340E FQC		SHD 610 40		
MHL350E		SHD 610 40		
MHL350E FQC		SHD 610 40		
MHL350E		SHD 610 40		
MHL380D		SHD PRO 645 03 650 11		
Terex-Schaeff				
Mobilbagger TW110 (67 kW)		SHD PRO 645 03 650 11		
Raupenbagger TC125 (69 kW)		SHD PRO 645 03 650 11		
Thwaites				
5 TON DUMPER		625 13		
6 TON GALAXY		625 13		
ALLDRIVE 5 TON		625 13		
ALLDRIVE 8 TON GOLIATH		625 13		
TUSKER (Electric Start)		610 48		
Timberjack				
215, 230, 404		610 11		
360, 209		610 48		
1210, 1210 B		610 11		
1270 B, C		SHD PRO 645 03 650 11		
1410		610 11		
1470, 1710, 1840, 1870, 1880		SHD PRO 645 03 650 11		
260, 280 master, 280 E		SHD PRO 645 03 650 11		
410, 450		625 13		
678 F/P		610 11		
705/260, 705/270, 705/280, 706/260, 707/280		SHD PRO 645 03 650 11		
770		625 13		
810		610 48		
810 B		610 11		
870, 870 B		610 11		
910, 1010, 1070		625 13		
990, 1270		610 11		
Mini brunett 578F, 678F		610 11		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Toro				
Wheel loader 500 D		SHD PRO 680 08 680 11		
Towmotor				
540 D, 600 D, 680 D, 5023-5101		SHD 670 33		
alle anderen Modelle/all other models			EFB 570 15	P70 29
Toyota				
FT 2 FD 50, 60			EFB 565 15	P60 68
5FD 10-18			EFB 565 16	P60 69
6 FBF 15-30			AGM 560 01	PRO P63 40
FD 15 - 35, SFG 15			EFB 565 16	P60 69
Motortype 2F, H				P95 05
Motortype 2J, 5P				P70 24
Motortype 3P, 4P, 5R				P45 24
TD 20, 25, 3TD35, 45				P95 05
Troyan				
204				P70 24
Umo-Belarus				
alle Modelle/all models			AGM 580 01	PRO P84 40
Unimog				
T600/421			AGM 592 01	PRO P100 40
Union				
U 20		SHD PRO 680 08 680 11		
Universal				
(SM) 1600 DTC		SHD PRO 680 08 680 11		
1640		SHD PRO 680 08 680 11		
400, 453, 533		SHD PRO 680 08 680 11		
445 DTC, 445 V, 445 L, 445 ST		SHD PRO 680 08 680 11		
530 DTC, L, ST, V, 600 V1		SHD PRO 680 08 680 11		
533, 703, 703 DT		SHD PRO 680 08 680 11		
600 HC, 643		SHD PRO 680 08 680 11		
640 DT, ST, DTC, HC, V		SHD PRO 680 08 680 11		
850, 1010		SHD PRO 680 08 680 11		
FM445		625 11		
SM 640, 1010 DT, 1445		SHD PRO 680 08 680 11		
SV 530, 530 V		SHD PRO 645 03 650 11		
U 400, V 400		SHD PRO 680 08 680 11		
Ursus				
1134, 1201, 1204, 1222, 1224, 1232, 1234		SHD PRO 645 03 650 11		
1634		SHD PRO 680 08 680 11		
207, 208, 209, 210		SHD PRO 645 03 650 11		
4512, 4514, 5312, 5314		SHD PRO 645 03 650 11		
932, 934		SHD PRO 645 03 650 11		
Tractors 1034, 1434, 1614		610 48		
Tractors 4514, 5514, 6514		610 11		
Tractors 914, 1014		610 48		
Utos				
alle Modelle/all models		SHD PRO 680 08 680 11		
Valmet				
1103, 1203, 2005, 2105		SHD PRO 645 03 650 11		
305, 355, 405, 455		625 13		



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Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
4100, 4300, 4400		SHD PRO 645 03		
502, 504, 505, 702, 703		SHD 640 35		
8000, 8100, 8300, 8400, 8600		625 13		
802, 803, 903		625 13		
805		SHD PRO 680 08		
		SHD 680 32		
Valor				
alle Modelle/all models			AGM 580 01	PRO P84 40
Valtra				
A72 - A92 Series		625 13		
N82 - N92 Series		SHD PRO 680 08		
		SHD 680 32		
N-Series		SHD PRO 680 08		
		SHD 680 32		
T1-Series		SHD PRO 680 08		
		SHD 680 32		
T2-Series		SHD PRO 680 08		
N2-Series		SHD PRO 680 08		
		SHD 680 32		
65-Series		625 13		
600 - 900		625 13		
A-Series		625 13		
An-Series		625 13		
Mezzo - Mega		SHD PRO 680 08		
		SHD 680 32		
HiTech		SHD PRO 680 08		
		SHD 680 32		
X-Series		SHD PRO 680 08		
		SHD 680 32		
C-Series		SHD PRO 680 08		
		SHD 680 32		
M-Series		SHD PRO 680 08		
		SHD 680 32		
XM-Series		SHD PRO 680 08		
		SHD 680 32		
Tc, Tch-Series		SHD PRO 680 08		
		SHD 680 32		
T-Series		SHD PRO 725 03		
		SHD 725 11		
S-Series	01.70-12.08	SHD PRO 725 03		
		SHD 725 11		
S-Series	01.09-	610 48		
Valtra-Valmet				
Loader H240			AGM 592 01	PRO P100 40
Snowscooter TN, TD-205, 255, 275			AGM 592 01	PRO P100 40
Vandel				
4325		SHD PRO 680 08		
		SHD 680 32		
Versatile				
alle Modelle/all models			AGM 580 01	PRO P84 40
Viking				
PEX 722 (Volvo), 900		610 11		
PEX100		SHD PRO 645 03		
		SHD 640 35		
PW999		610 11		
REX 722 (Deutz)		610 11		
V110, 160H		610 11		
Volvo-BM Valmet				
Tractors 305, 405, 415M		625 13		
Tractors 505, 605, 615, 705, 805, 815, 862, 892, 905		SHD 670 33		
Volvo				
4200, 4400, 4500, 4600		625 11		
4300		610 11		
861 DUMPER		SHD PRO 645 03		
		650 11		
A 20, 25 Dumper		SHD PRO 645 03		
		650 11		
BM 616, BM 616B		SHD PRO 645 03		
		650 11		
L 120		SHD PRO 645 03		
		650 11		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
L 4950, L 4951		SHD PRO 645 03		
		650 11		
LM 1640, 1641		SHD PRO 645 03		
		650 11		
LM 1240, 1254		625 11		
LM 841, 845, 846		610 47		
VKH116, 118, 310, 312		SHD PRO 645 03		
		650 11		
Bagger EC35, 45			AGM 560 01	PRO P63 40
Bagger EC50			AGM 580 01	PRO P84 40
Bagger EC140, 150		680 89		
Bagger EC160		610 11		
Bagger EC160B, 180B		SHD PRO 680 08		
		680 11		
Bagger EC160C, 180C		SHD PRO 645 03		
		650 11		
Bagger EC210		680 89		
Bagger EC210B, 210C		SHD PRO 680 08		
		680 11		
Bagger EC240, 240 B		SHD PRO 725 03		
		SHD 725 11		
Bagger EC280		SHD PRO 645 03		
		650 11		
Bagger EC290, 290B, 330B		SHD PRO 725 03		
		SHD 725 11		
Bagger EC340		SHD PRO 680 08		
		680 11		
Bagger EC360, EC360B		SHD PRO 725 03		
		SHD 725 11		
Bagger EC390, 450		SHD PRO 680 08		
		680 11		
Bagger EC460, 460B		SHD PRO 725 03		
		SHD 725 11		
Bagger EC650		SHD PRO 680 08		
		680 11		
Bagger EC700B		SHD PRO 725 03		
		SHD 725 11		
Bagger EW130, EW170, EW180		680 89		
Bagger EW140		610 11		
Bagger EW140B, 140C		SHD PRO 645 03		
		650 11		
Bagger EW145B		680 89		
Bagger EW160		610 11		
Bagger EW160B, 160C		SHD PRO 645 03		
		650 11		
Bagger EW180B, 180C		SHD PRO 645 03		
		650 11		
Bagger EW200B		SHD PRO 645 03		
		650 11		
Muldenkipper 5350B, A20B, C, A25B, C		632 11		
Muldenkipper A25D, 28, 30, 30C, 30D, 35, 35C, 35D, 40, 40D		SHD PRO 680 08		
		SHD 680 32		
Muldenkipper DR 861		SHD 635 44		
Muldenkipper EL70		610 11		
Radlader L110E, 120E, 150E, 180E, 220E		SHD PRO 645 03		
		650 11		
Radlader L320E		SHD PRO 725 03		
		SHD 725 11		
Wacker				
Road roller 86-110, 90A			AGM 560 01	PRO P63 40
Road roller LS 15			EFB 595 15	P95 04
Wacker Neuson SE				
Bagger 803				PRO P50 42
Bagger 9503, 14504		SHD PRO 645 03		
		650 11		
Bagger, Dumper 1001-1601				PRO P50 42
Bagger, Dumper 1404-2403				PRO P50 42
Bagger, Dumper 2823				PRO P50 42
Bagger, Dumper, SSL 2001*			AGM 570 01	PRO P77 40
Bagger, Dumper, SSL 2503*			AGM 570 01	PRO P77 40
Bagger, Dumper, SSL 3001-5001			AGM 592 01	PRO P100 40

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Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
Bagger, Dumper, SSL 3503-8003			AGM 592 01	PRO P100 40
Bagger, Dumper, SSL 38z3*			AGM 570 01	PRO P77 40
Bagger, Dumper, SSL 501*			AGM 570 01	PRO P77 40
Bagger, Dumper, SSL 701			AGM 592 01	PRO P100 40
Dumper 6001, 9001, 10001			AGM 592 01	PRO P100 40
SSL 901, 1101			AGM 592 01	PRO P100 40
Wallis & Stevens				
Advanced rollers OG, PG				P70 24
Wayne				
Street-sweeping machine				P70 24
Westwood				
Lawnmower 250 Truck			EFB 595 15	P95 04
Wheel Horse				
1257, 1277				P45 24
D 200, -Automatic				PRO P50 40
Wille				
445			AGM 592 01	PRO P100 40
Willer				
Road roller 150				P95 05
Yale & Towne				
2000 (Cummins)		610 48		
204A (Cummins)		610 11		
2711E (DIESEL)		610 11		
300 (Leyland)		SHD PRO 645 03 SHD 640 35		
3000 (Cummins & Leyland)		SHD PRO 645 03 SHD 640 35		
D30, 51, 60		610 48		
FORK LIFT TRUCKS (D)		610 48		
G1F, GP51F, L51F, LP51F/60 (Ford P or LP Eng.)		610 11		
JUNIOR TRACTOR (D)		610 48		
Yale				
6PD51, 40, 60		600 26		
7500		680 89		
Yanmar				
1800 S1, 336 D		600 26		
YM 2760			EFB 595 15	P95 04
Yanmar				
150, 160			EFB 555 15	P45 23
186			EFB 555 15	P45 23
240 - 336				P70 24
Zetor				
50 SUPER		SHD PRO 680 08 SHD 680 32		
10000-Series 10520, 10540, 10641, 11641		SHD 670 33		
10000-Series 11245, 12245		SHD PRO 645 03 SHD 640 35		
10000-Series 12145, 16111, 16145, 16245		600 26		
10000-Series 14011		SHD PRO 680 08 SHD 680 32		
10000-Series 14245		SHD PRO 645 03 SHD 640 35		
10000-Series 16045, 16145		SHD PRO 680 08 SHD 680 32		
10000-Series 16245		SHD PRO 645 03 SHD 640 35		
3000-Series 3320, 3340		SHD PRO 680 08 SHD 680 32		
3000-Series 3321, 3341		SHD PRO 645 03 SHD 640 35		
3000-Series 3511, 3545		600 26		
4000-Series 4011D, 4511, 4611		600 26		
4000-Series 4321, 4341		SHD PRO 645 03 SHD 640 35		
4000-Series 4712, 4718		625 11		
4000-Series 4911		600 26		
5000-Series 5011, 5011S, 5045, 5211, 5245		SHD PRO 680 08 SHD 680 32		

Brand / Model designation	Year of manufacture	Buffalo Bull	Running Bull	Power Bull
5000-Series 5320, 5340		SHD PRO 680 08 SHD 680 32		
5000-Series 5341		SHD PRO 645 03 SHD 640 35		
5000-Series 5411, 5511		600 26		
5000-Series 550		SHD PRO 680 08 SHD 680 32		
5000-Series 5511/5545, 5611/5645, 5711, 5718, 5745, 5911, 5945		600 26		
6000-Series 6011, 6045, 6245		SHD PRO 680 08 SHD 680 32		
6000-Series 6211, 6320, 6340		SHD PRO 680 08 SHD 680 32		
6000-Series 6711, 6718, 6745, 6748, 6911, 6940, 6948		600 26		
7000-Series 7011, 7045, 7245, 7745		SHD PRO 680 08 SHD 680 32		
7000-Series 7211, 7711		SHD PRO 680 08 SHD 680 32		
7000-Series 7520, 7540		SHD 670 33		
8000-Series 8211, 8245		600 26		
8000-Series 8245		SHD PRO 645 03 SHD 640 35		
8000-Series 8520, 8540		SHD PRO 680 08 SHD 680 32		
8000-Series 8621, 8641		SHD 670 33		
9000-Series 9520, 9540		SHD PRO 680 08 SHD 680 32		
Tractors 7011, 7045, 7211, 7245, 7745		SHD PRO 680 08 SHD 680 32		
Tractors Crystal		600 26		
Tractors Forterra, -HD, -HSX	01.06-	SHD 670 33		
Tractors Major		640 35		
Tractors Proxima, -Power, -Plus	01.06-	SHD 670 33		
Zettelmeyer				
ZW		SHD PRO 680 08 680 11		
Wheel loaders KL25, 30		SHD 670 33		
Wheel loaders L2000 Europa		SHD 670 33		
Wheel loaders L800, 1000, 1200		SHD 670 33		
Wheel loaders WAS, WAW		SHD 670 33		
Wheel loaders WT2, WTL, ZL 500		600 26		
Wheel loaders ZW90		SHD 670 33		
ZL 1000, 1001		SHD PRO 680 08 680 11		
ZL 1801, 2000, 2002		SHD PRO 645 03 650 11		
ZL 300		SHD 635 44		
ZL 3002, 4001, 4002, 5001F		SHD PRO 680 08 680 11		
ZL 801		SHD PRO 680 08 680 11		
ZL 800, 1000		SHD 670 33		

* When installing the battery under the driver's seat, the battery type EFB 565 12, PRO P77 42/P72 09 (box T6/LB3 with total height 175mm) must often be used.



SNOW GROOMERS

Brand / Model designation	Year of manu- facture	Buffalo Bull	Running Bull	Power Bull
Bombardier-Camoplast				
alle anderen Modelle/ all other models (Yeti BR, ...)		625 11		
BR 180			AGM 580 01	PRO P84 40
Jumbo		625 11		
Yeti +			EFB 595 15	P95 04
Yeti M		610 47		
Intropa-Ratrac				
1500			EFB 570 15	P70 29
1800			EFB 595 15	P95 04
Hydro Turbo	01.81-	650 11 SHD PRO 645 03		
Hydromaster		SHD PRO 725 03 SHD 725 11		
Turbo Cat			EFB 595 15	P95 05
Turbo Truck TT 260		680 11 SHD PRO 680 08		
Kässbohrer				
PistenBully 100			AGM 592 01	PRO P100 40
PistenBully 120			AGM 592 01	PRO P100 40
PistenBully 130			AGM 592 01	PRO P100 40
PistenBully 150			AGM 592 01	PRO P100 40
PistenBully 170			AGM 592 01	PRO P100 40
PistenBully 200		SHD 635 44		
PistenBully 210			AGM 592 01	PRO P100 40
PistenBully 220			AGM 592 01	PRO P100 40
PistenBully 240			AGM 592 01	PRO P100 40
PistenBully 260		SHD 635 44		
PistenBully 270		650 11 SHD PRO 645 03		
PistenBully 300		SHD 635 44		
PistenBully 320		650 11 SHD PRO 645 03		
PistenBully 400		650 11 SHD PRO 645 03		
PistenBully 600, W		SHD 635 44		
PistenBully Canyon			AGM 592 01	PRO P100 40
Leitner				
LH 250			AGM 592 01	PRO P100 40
LH 300		610 47		
LH 350		610 47		
LH 360*			AGM 570 01	PRO P77 40
LH 400		SHD 670 33		
LH 420		680 11 SHD PRO 680 08		
LH 500		SHD 670 33		
LH 600		SHD 670 33		
LMC				
260				
1500				
2700				
Paana				
125			AGM 560 01	PRO P63 40
170			AGM 560 01	PRO P63 40
Forest			AGM 560 01	PRO P63 40
Prinot-Leitner				
2000			EFB 595 15	P95 04
A11			EFB 595 15	P95 04
Beast		SHD 670 33		
Bison		SHD 670 33		
Everest Parkdesigner, Power		SHD PRO 725 03 SHD 725 11		
Husky			AGM 570 01	PRO P77 40
Junior		600 26		
Leitwolf, -X		SHD 670 33		
T2			EFB 595 15	P95 04
T4S		SHD 670 33		
Titan			EFB 595 15	P95 04
TR*			AGM 570 01	PRO P77 40

*With base hold-down adapter Art.No. 305002030101

CLASSIFICATION LIST – MOTORCYCLES

MOTORCYCLES

Brand Model designation	Year of manufacture	Banner type	First fitting designation
Adler			
100 M		007 14	B39-6
250 M		007 14	B39-6
Adly			
50 alle Modelle/all models		504 11	YB4L-B
Aermacchi			
125 SX		507 14	YB7C-A
175 SX		507 14	YB7C-A
250 Ala Azzurra/Bianca		012 14	6N11A-1B
250 Alo Oro/Rossa/Verde		012 14	6N11A-1B
250 Chimera		007 14	B39-6
250 SX		507 14	YB7C-A
350 Ala Azzurra/Bianca		012 14	6N11A-1B
350 Alo Oro/Rossa/Verde		012 14	6N11A-1B
Agrati-Garelli			
Moped		504 11	YB4L-B
Aprilia			
50 alle anderen Modelle/ all other models		504 11	YB4L-B
50 RS4, SR Ditech		GEL 506 21	GT7-3
100 Scarabeo		GEL 506 21	GT7-3
100 Scarabeo 4T, ST		509 14	YB9-B
125 AF 1 Futura (E-Start)		509 14	YB9-B
125 AS R		506 11	12N5,5-3B
125 Classic		509 14	YB9-B
125 ETX (E-Start)		509 14	YB9-B
125 ETX (Kick-Start)		506 11	12N5,5-3B
125 Habana, Custome		AGM PRO 509 01	ETX 9
125 Leonardo (Kick-Start)		512 11	YB12A-A
125 Leonardo (E-Start)		509 14	YB9-B
125 MX		509 14	YB9-B
125 Pegaso (E-Start)		509 14	YB9-B
125 Red Rose (E-Start)		509 14	YB9-B
125 RS Extrema (E-Start)		509 14	YB9-B
125 RS Racing, Replica		509 14	YB9-B
125 RS4		AGM 506 14	YTX7L-B5
125 RX (E-Start)		509 14	YB9-B
125 S (E-Start)		509 14	YB9-B
125 Scarabeo		512 13	YB12AL-A2
125 Sport City		509 14	YB9-B
125 SR 125		AGM 506 14	YTX7L-B5
125 ST, -STX		506 11	12N5,5-3B
125 Tuareg		506 11	12N5,5-3B
125 Tuareg (E-Start)		509 14	YB9-B
125 Tuareg Rally		509 14	YB9-B
125 Tuono		509 14	YB9-B
150 Leonardo, Scarabeo		512 13	YB12AL-A2
150 Mojito		AGM 506 14	YTX7L-B5
150 SR		AGM 506 14	YTX7L-B5
200 Atlantic, Scarabeo		512 13	YB12AL-A2
200 STX		506 11	12N5,5-3B
250 Atlantic		512 13	YB12AL-A2
250 ETX E-Starter		514 11	YB14L-A2
250 ETX, -STX		506 11	12N5,5-3B
250 Leonardo		512 13	YB12AL-A2
250 RS		AGM 503 14	YTX4L-B5
250 RS Replica		504 11	YB4L-B
250 Sport City	01.2009-	AGM 510 12	YTX12-B5
300 Atlantic		512 13	YB12AL-A2
300 Scarabeo S	01.2013-	AGM 510 12	YTX12-B5
350 ETX		509 14	YB9-B
350 ETX (E-Start)		514 13	YB14L-B2
350 Tuareg Wind		514 13	YB14L-B2
450 RVX, SVX		AGM 506 15	YTX7A-B5
500 Atlantic, Scarabeo	01.1990-12.2008	514 11	YB14L-A2
500 Atlantic, Scarabeo	01.2009-	AGM 510 12	YTX12-B5
550 RVX, SVX		AGM 506 15	YTX7A-B5
600 ETX (E-Start)		514 11	YB14L-A2
600 ETX (Kick-Start)		506 11	12N5,5-3B
600 Pegaso		512 13	YB12AL-A2
600 Tuareg Wind		514 11	YB14L-A2
650 ETX		506 11	12N5,5-3B
650 ETX (E-Start)		514 13	YB14L-B2

Brand Model designation	Year of manufacture	Banner type	First fitting designation
650 Moto 6.5, Stark		514 11	YB14L-A2
650 Pegaso		512 13	YB12AL-A2
650 Pegaso Strada, Factory, Trail	01.2009-	AGM 510 12	YTX12-B5
750 Dorsoduro, Shiver	01.2009-	AGM PRO 514 01	ETX 14
850 MAN, GT, SRV	01.2009-	AGM PRO 514 01	ETX 14
900 Dorsoduro, Shiver	01.2017-	AGM PRO 514 01	ETX 14
1000 ETV, SL Falco		AGM PRO 514 01	ETX 14
1000 RST, RSV, Tuono, Mille		AGM 510 12	YTX12-B5
1000 RS V4 R, Factory		GEL 509 01	GTZ10-4
1100 Tuono	01.2014-	AGM PRO 509 01	ETX 9
1200 Dorsoduro, Caponardo		AGM PRO 514 01	ETX 14
Aspes			
Yuma		507 14	YB7C-A
ATK			
alle Modelle/all models	01.1991-12.1995	AGM PRO 509 01	ETX 9
alle Modelle/all models	01.1996-12.2001	AGM 506 14	YTX7L-B5
B.S.A.			
250 (12V)		507 14	YB7C-A
250 (6V)		007 14	B39-6
350 (12V)		507 14	YB7C-A
350 (6V)		007 14	B39-6
650 (12V)		507 14	YB7C-A
650 (6V)		007 14	B39-6
750 (12V)		507 14	YB7C-A
Bantan (6V)		008 11	B49-6
Rocket 750 (12V)		509 14	YB9-B
Spitfire HK 35 (12V)		509 14	YB9-B
Spitfire HK 35 (6V)		008 11	B49-6
Starfire B 25 (12V)		509 14	YB9-B
Starfire B 25 (6V)		008 11	B49-6
Thunderbolt (6V)		008 11	B49-6
Thunderbolt 750 (12V)		509 14	YB9-B
Bajaj			
100 Boxer, Platino, Classic	01.2003-12.2012	503 13	YB3L-B
100 Boxer, Discover,	01.2012-	505 12	YB5L-B
125 Discover, Platino, XCD	01.2008-	505 12	YB5L-B
125 Cheetak Classic, SL, Gespann		507 14	YB7C-A
135 Discover, Pulsar	01.2009-12.2012	505 12	YB5L-B
150 Boxer		505 12	YB5L-B
150 Pulsar		509 14	YB9-B
180 Pulsar		509 14	YB9-B
200 Pulsar		509 14	YB9-B
200 Pulsar NS		AGM PRO 509 01	ETX 9
Benelli			
50 alle Modelle/all models		504 11	YB4L-B
80 alle Modelle/all models		504 11	YB4L-B
100 K2		505 12	YB5L-B
125 Adiva		AGM PRO 514 01	ETX 14
125 Cross, -CSE, -Sport		012 14	6N11A-1B
125 CS Scooter		509 14	YB9-B
125 Custom Guzzi, -Guzzi		12N5,5-4A	
125 Enduro		008 11	B49-6
125 Jamo (E-Start)		509 14	YB9-B
125 Velvet		AGM PRO 509 01	ETX 9
150 Adiva		AGM PRO 514 01	ETX 14
150 Velvet		AGM PRO 509 01	ETX 9
250 2-cyl.		012 14	6N11A-1B
250 4-cyl.		512 11	YB12A-A
250 TS		012 14	6N11A-1B
250 Velvet		AGM 510 12	YTX12-B5
254 2-cyl.		509 14	YB9-B
254 4-cyl.		509 14	YB9-B
350 RS		530 30	
354		514 11	YB14L-A2
500 LS		514 11	YB14L-A2
500 Quattro		530 30	
500 SS		512 11	YB12A-A
504		514 11	YB14L-A2
650 Tornado		512 11	YB12A-A
654		514 11	YB14L-A2
750 Sei		514 11	YB14L-A2
750 SS		512 11	YB12A-A
850 SS		512 11	YB12A-A



MOTORCYCLES

Brand Model designation	Year of manufacture	Banner type	First fitting designation
900 Sei, Tornado TRE		AGM PRO 530 01	ETX 30L
Beta			
50 alle Modelle/all models		504 11	YB4L-B
125 Eikon		AGM PRO 509 01	ETX 9
150 Eikon		AGM PRO 509 01	ETX 9
600 YB9		512 13	YB12AL-A2
750 SB3		514 11	YB14L-A2
900 HS2900		514 11	YB14L-A2
1000 YB6		514 11	YB14L-A2
YB10 Dieci		AGM PRO 514 01	ETX 14
BFG			
600 Odyssee		514 11	YB14L-A2
Big Dog			
alle Modelle/all models		GEL 521 01	GT20H-3
Bimota			
600 YB9		512 13	YB12AL-A2
750 SB3		514 11	YB14L-A2
900 DB2, HS 2900, Tesi		514 12	YB14-A2
900 DB3 Mantra		AGM 506 14	YTX7L-BS
996 SB8R, SB8RS		AGM 510 12	YTX12-B5
1000 YB6, YB8, YB10		514 11	YB14L-A2
1000 YB10 dieci		AGM PRO 514 01	ETX 14
1000 YB11		AGM 510 12	YTX12-B5
1100 SB6, SB7		AGM 506 14	YTX7L-BS
1100 SB6R		AGM 510 12	YTX12-B5
BMW			
125 C1		514 11	YB14L-A2
150 C1		514 11	YB14L-A2
200 C1		514 11	YB14L-A2
260 R26		007 14	B39-6
260 R26, R27 1-cyl.		012 14	6N11A-1B
450 G	01.2009-	GEL 506 21	GT7-3
500 R50/S 2-cyl.		013 14	B38-6A
500 R50/S		518 14	
500 R50/2 2-cyl.		013 14	B38-6A
600 C, Sport		GEL 512 01	GTZ14-4
600 R60/6, R60/7		AGM PRO 530 01	ETX 30L
600 R60/5		518 14	
600 R60, R60/2 2-cyl.		013 14	B38-6A
650 C GT		AGM PRO 514 01	ETX 14
650 R65LS	01.1978-12.1984	518 14	
650 R65LS	12.1984-12.1995	AGM PRO 530 01	ETX 30L
650 F, G	01.1993-	512 11	YB12A-A2
650 FGS		AGM PRO 514 01	ETX 14
700 FGS	01.2013-	AGM PRO 514 01	ETX 14
700 FGS	01.2013-	GEL 512 01	GTZ14-4
750 R75/6, R75/7		AGM PRO 530 01	ETX 30L
750 R75/5, K75C, S		518 14	
750 K75, RT		AGM PRO 530 01	ETX 30L
800 FST, GS, GT, R		AGM PRO 514 01	ETX 14
800 FST, GS, GT, R	01.2013-	GEL 512 01	GTZ14-4
800 R80/7, R80RT		AGM PRO 530 01	ETX 30L
800 R80GS, R80ST		518 14	
800 R80, R80RT		AGM PRO 530 01	ETX 30L
850 R		GEL 521 01	GT20H-3
900 R90/6, R90S		AGM PRO 530 01	ETX 30L
1000 alle K Modelle/all K models	01.1983-12.2008	AGM PRO 530 01	ETX 30L
1000 HP4 (+Alarmsystem)	01.2013-	GEL 509 01	GTZ10-4
1000 HP4	01.2013-	GEL 506 21	GT7-3
1000 R100 GS, PD, R, RS, RT	01.1987-12.1995	AGM PRO 530 01	ETX 30L
1000 SRR	01.2009-	GEL 509 01	GTZ10-4
1000 SRR DWA	01.2009-	GEL 510 21	GT12A-4
1000 S XR	01.2016-	AGM PRO 509 01	ETX 9
1000 S XR (DWA)	01.2016-	GEL 509 01	GTZ10-4
1100 alle Modelle/all models		GEL 521 01	GT20H-3
1150 alle Modelle/all models		GEL 521 01	GT20H-3
1170 R nine T	01.2014-	AGM PRO 514 01	ETX 14
1200 R, RC, KRS, KLT, GT, RC, RS, RT, S		GEL 521 01	GT20H-3
1200 R GS, Adventure	01.2009-	GEL 512 01	GTZ14-4
1200 HP2 Sport/Megamoto, R, RGS, KR		AGM PRO 514 01	ETX 14
1300 KGT		GEL 521 01	GT20H-3
1300 KR, S		AGM PRO 514 01	ETX 14
1600 K GT, GTL, LT	06.2010-	GEL 521 01	GT20H-3

Brand Model designation	Year of manufacture	Banner type	First fitting designation
BRP (Can-AM)			
125		505 12	YB5L-B
250		505 12	YB5L-B
998 Spyder		AGM 522 14	YTX50L-BS
1330 Spyder		AGM 522 14	YTX50L-BS
BSA			
250, 350, 400, 441, 500 (12V)		507 13	YB7-A
250, 350, 650 (6V)		007 14	B39-6
600, 650, 750 (12V)		507 13	YB7-A
500 Gold Star		013 14	B38-6A
600 Gold Star		507 13	YB7-A
650 Gold Star		507 13	YB7-A
750 Gold Star		507 13	YB7-A
750 Rocket			YB9L-B
BSV			
50 GP Dio, SP Dio, GZ		AGM PRO 514 01	ETX 14
50 ZX		GEL 503 01	GTR4A-5
100 R S, T		530 30	
Buell			
500 Blast		AGM PRO 514 01	ETX 14
984 XB9R Firebolt		AGM PRO 514 01	ETX 14
1000 RR		519 12	YB16-B
1125 R, CR		AGM PRO 514 01	ETX 14
1125 RR Buell Racing		GEL 506 21	GT7-3
1200 RR, RS, RSS		519 12	YB16-B
1200 S1 Lightning		AGM PRO 514 01	ETX 14
1200 X1 Lightning		AGM PRO 520 01	ETX 20L
1200 M 2 Cyclone		AGM PRO 520 01	ETX 20L
1200 S2, S2t Thunderbolt		519 12	YB16-B
1200 S3, S3t Thunderbolt		AGM PRO 520 01	ETX 20L
1200 XB12R, XB12S, XB12X		AGM PRO 514 01	ETX 14
Cagiva			
50 City, -Prima, -Super City		504 11	YB4L-B
125 Blues Cruiser, -Supercity, -Tamanaco		008 11	B49-6
125 Blues, -Elefant			12N5,5-4A
125 EG/SS 125		507 14	YB7C-A
125 Freccia, -Mito		509 14	YB9-B
125 GP S			12N5,5-4A
125 HD SS, -SSTm -SSX, -WSXT, -GP 125 S			12N5,5-4A
125 Rapator			12N5,5-4A
125 W8, -K7		504 11	YB4L-B
125 WER		AGM 503 14	YTX4L-BS
200 Elefant			12N5,5-4A
200 Roadster		507 14	YB7C-A
200 Roadster		509 14	YB9-B
250 Roadster SST, SX		507 14	YB7C-A
350 EGS, -SX		507 14	YB7C-A
350 Elefant		514 11	YB14L-A2
350 R, -E T4			12N5,5-4A
350 Roadster SST		507 14	YB7C-A
350 SST,SX		507 14	YB7C-A
350 T4 Ala Rossa			12N5,5-4A
350 T4 R		503 12	YB3L-A
350 W12		514 11	YB14L-A2
400 EGS		507 14	YB7C-A
500 Canyon, River		AGM PRO 514 01	ETX 14
500 T4 E Elefant		514 11	YB14L-A2
600 Canyon		514 11	YB14L-A2
600 Canyon River		516 16	YB16AL-A2
600 W 16, -River		514 11	YB14L-A2
650 Elefant		514 11	YB14L-A2
650 Raptor, V Raptor		AGM 510 12	YTX12-B5
750 Elefant	01.1994-	519 12	YB16-B
750 Elefant	01.1989-12.1993	514 11	YB14L-A2
900 Canyon I.E., Elefant, Grand Canyon		519 12	YB16-B
900 E		516 16	YB16AL-A2
1000 Canyon I.E., Navigator		519 12	YB16-B
1000 Gran Canyon		AGM PRO 514 01	ETX 14
1000 Raptor		AGM PRO 509 01	ETX 9
1000 V-Raptor		AGM 510 12	YTX12-B5

MOTORCYCLES

Brand Model designation	Year of manufacture	Banner type	First fitting designation
K3/50, W4/50		504 11	YB4L-B
Cannondale			
440 alle Modelle/all models		GEL 506 21	GT7-3
CCM			
404 DS, Supermoto, R 30		AGM PRO 509 01	ETX 9
600 alle Modelle/all models		AGM PRO 509 01	ETX 9
Chang Jiang			
Motorrad/motorcycle		505 12	YB5L-B
CVM			
alle Elektrostarter/all electric starters		AGM PRO 509 01	ETX 9
CZ Motokov			
125			6N6-3B
175 Sport			6N6-3B
250 Sport			6N6-3B
Trial		007 14	B39-6
Daelim			
125 History, Otello, VL Daystar, Roadwin		AGM 506 15	YTX7A-BS
125 History, Otello, VL Daystar, Roadwin		AGM 510 12	YTX12-BS
125 NS		AGM 506 15	YTX7A-BS
125 VC		509 14	YB9-B
125 VS, VT		509 14	YB9-B
DDR			
50 alle Modelle/all models		AGM 503 14	YTX4L-BS
Derbi			
50 Atlantis		504 11	YB4L-B
50 Atlantis USA		AGM 503 14	YTX4L-BS
50 Aventura		504 11	YB4L-B
50 DS		505 12	YB5L-B
50 Easy, Femix, Furax, GPR, Hunter, Paddock		504 11	YB4L-B
50 Predator GP1		AGM 503 14	YTX4L-BS
50 Predator LC, O2, Senda, Sport, Vamos, Variant, GS		504 11	YB4L-B
100 Atlantis 100		AGM PRO 509 01	ETX 9
125 Boulevard, Senda SM		AGM PRO 509 01	ETX 9
125 Vamos		505 12	YB5L-B
Dnepr			
MT 11		504 11	YB4L-B
DRR			
alle Modelle/all models		AGM 503 14	YTX4L-BS
Ducati			
125 Cross, -Enduro		007 14	B39-6
125 Six Day			6N4-2A
129 Aurea		007 14	B39-6
175 Cross		013 14	B38-6A
250 Cross		013 14	B38-6A
300		512 11	YB12A-A
350 Cross		013 14	B38-6A
350 F3		514 11	YB14L-A2
350 Mark 3, Scrambler		013 14	B38-6A
350 Sport GTV		520 12	Y50-N18L-A
350 Vento		512 11	YB12A-A
350 XL, -Alazzurra		514 11	YB14L-A2
400 Alazzurra, F3		514 11	YB14L-A2
400 Monster, Scrambler	01.2016-	GEL 510 01	GT12B-4
400 Supersport		516 16	YB16AL-A2
400 TS		013 14	B38-6A
500		512 11	YB12A-A
500 Pantha		514 11	YB14L-A2
500 Sport GTV		520 12	Y50-N18L-A
600 M Chromo, Monster Desmodue, Supersport		516 16	YB16AL-A2
600 M Dark, SS Supersport		AGM 510 12	YTX12-BS
600 Pantha, TL		514 11	YB14L-A2
620 Monster/IE/S IE/Sport		AGM 510 12	YTX12-BS
650 Alazzurra, -Pantah Replica		514 11	YB14L-A2
696 Monster	01.2009-	GEL 510 01	GT12B-4
748 Biposto, SR		AGM 510 12	YTX12-BS
748 Monster, -Sport		516 16	YB16AL-A2
749 Dark, S, R		AGM 510 12	YTX12-BS
750 (Kick-Start)		512 11	YB12A-A

Brand Model designation	Year of manufacture	Banner type	First fitting designation
750 Electric		AGM PRO 530 01	ETX 30L
750 F1, Montjuich, Paso, Indiana		514 11	YB14L-A2
750 GT, Luguna Seca		AGM PRO 530 01	ETX 30L
750 Monster, Sport, SS IE, SS Veloce		AGM 510 12	YTX12-BS
750 Paso	01.1988-12.1990	516 15	YB16B-A1
750 Paso/F1		514 11	YB14L-A2
750 Sport	01.1988-	516 16	YB16AL-A2
750 SS, -Desmo, Desmolmola		512 11	YB12A-A
796 Hypermotard, Monster		GEL 510 01	GT12B-4
800 Monster, SS Carrera		AGM 510 12	YTX12-BS
803 Monster, Scrambler, 795, 796, 797	01.2016-	GEL 510 01	GT12B-4
821 Monster, Hym	01.2016-	GEL 510 01	GT12B-4
848 Corse SE, Streetfighter		GEL 510 01	GT12B-4
849 Streetfighter, Superbike		GEL 510 01	GT12B-4
850 (Kick-Start)		512 11	YB12A-A
850 Electric, -SD, -SS, -SSC		AGM PRO 530 01	ETX 30L
851 SP, SS		516 16	YB16AL-A2
860 GT, GTS		AGM PRO 530 01	ETX 30L
860 Kick-Start, SS		512 11	YB12A-A
888 SP, -SPS		516 16	YB16AL-A2
898 Superbike	01.2015-	GEL 506 01	GT7B-4
900		AGM PRO 530 01	ETX 30L
900 Monster	-2000	516 16	YB16AL-A2
900 Monster	01.2001-	GEL 510 01	GT12B-4
900 Paso	-1988	516 15	YB16B-A1
900 SS	-1981	512 11	YB12A-A
906 Paso		519 12	YB16-B
907 I.E. Paso		519 12	YB16-B
916 alle Modelle/all models		516 16	YB16AL-A2
937 Hypermotard, Multistrada, Supersport	01.2015-	GEL 510 01	GT12B-4
944 -Sport Touring 2		516 16	YB16AL-A2
955 Superbike Panigale	01.2016-	GEL 506 01	GT7B-4
996 S, SPS		516 16	YB16AL-A2
996 ST4s		GEL 510 01	GT12B-4
998		AGM PRO 520 01	ETX 20L
1000 Desmosedici RR, GT		GEL 510 01	GT12B-4
1000 Multistrada	01.2000-	AGM 510 12	YTX12-BS
1098	01.2007-12.2007	AGM PRO 514 01	ETX 14
1098	01.2001-12.2010	GEL 510 01	GT12B-4
1098 alle Modelle/all models	01.2001-	GEL 510 01	GT12B-4
1100 alle Modelle/all models		GEL 510 01	GT12B-4
1198 Superbike Panigale		GEL 506 01	GT7B-4
1198 alle anderen Modelle/ all other models	01.2009-	GEL 510 01	GT12B-4
1199 Superbike Panigale		GEL 506 01	GT7B-4
1200 Multistrada		GEL 510 01	GT12B-4
1262 X Diavel	01.2015-	GEL 510 01	GT12B-4
1285 Superbike Panigale	01.2015-	GEL 506 01	GT7B-4
9000 HR	01.1996-	AGM PRO 520 01	ETX 20L
Endress			
50 EMR		GEL 506 21	GT7-3
Enfield			
350 Bullet, -de Luxe		GEL 506 21	GT7-3
E-Ton			
50 alle Modelle/all models		GEL 506 21	GT7-3
150 Sport		AGM 506 15	YTX7A-BS
150 Beamer, Matrix		AGM PRO 509 01	ETX 9
Excelsior-Henderson			
1386 Super X		AGM PRO 520 01	ETX 20L
Facer			
alle Modelle/all models		519 12	YB16-B
Fantic - Motor			
50 Alien, Extra, Grinta, Leader, Queenie		AGM 503 14	YTX4L-BS
50 Oasis EPV		506 11	12N5,5-3B
50 Pony, -Pony SR, -Big Wheel, HP1, Koala, Oasis		504 11	YB4L-B
50 TX220		007 14	B39-6
80 Clubman, Koala		504 11	YB4L-B
125 Clubman, Extra, Hit, Raider-LC, Sport		503 12	YB3L-A
125 GTA		505 12	YB5L-B



MOTORCYCLES

Brand Model designation	Year of manufacture	Banner type	First fitting designation
125 GTA Electric Sport		509 14	YB9-B
125 Sport, Strada (6V)		004 12	6N4B-2A
125 Strada-Sport		004 12	6N4B-2A
125 XR Tiger		505 12	YB5L-B
250 Raider LC (12V), Sport		503 12	YB3L-A
No i Electric Sport		504 11	YB4L-B
Garelli			
50 alle Modelle/all models		AGM 503 14	YTX4L-BS
125 GTA (E-Start)		509 14	YB9-B
125 GTA (Kick/E-Start)		505 12	YB5L-B
125 GTA (Kick-Start)		505 12	YB5L-B
125 TSR			12N7-4B
125 XR Tiger		505 12	YB5L-B
125 XR Tiger (E-Start)		509 14	YB9-B
125 XR Tiger (Kick-Start)		505 12	YB5L-B
Gas Gas			
125 Pampera		AGM 503 14	YTX4L-BS
200 EC		AGM 503 14	YTX4L-BS
200 TXT		AGM 503 14	YTX4L-BS
250 Pampra		AGM 503 14	YTX4L-BS
250 TT Enducross		AGM 503 14	YTX4L-BS
320 Pampera		AGM 503 14	YTX4L-BS
370 Pampera		AGM 503 14	YTX4L-BS
450 FSR		GEL 506 21	GT7-3
Gilera			
50 Bullit Mix, 503		504 11	YB4L-B
50 DANN, Ice		AGM 503 14	YTX4L-BS
50 Eaglet, Sioux E-Starter, Top Rallye, 303		504 11	YB4L-B
50 GSA (E-Start)		505 12	YB5L-B
50 Runner, Stalker, Storm, Typhoon		504 11	YB4L-B
124 Florida		013 14	B38-6A
124 Regularita Starda		012 14	6N11A-1B
125 Arizona		509 14	YB9-B
125 Coguar		509 14	YB9-B
125 Crono E, S, -CX, Apache E, -S, -CX		509 14	YB9-B
125 Crono K, -S, Apache K, -S		506 11	12N5,5-3B
125 DANN		511 13	YB10L-B
125 Fast Bike (E-Start)		509 14	YB9-B
125 Fast Bike (Kick-Start)		506 11	12N5,5-3B
125 Freestyle (E-Start)		509 14	YB9-B
125 Freestyle (Kick-Start)		506 11	12N5,5-3B
125 GFR (E-Start)		509 14	YB9-B
125 GFR (Kick-Start)		506 11	12N5,5-3B
125 KK, KZ (E-Start)		509 14	YB9-B
125 KK, KZ (Kick-Start)		506 11	12N5,5-3B
125 MX1, MXR (Kick-Start)		506 11	12N5,5-3B
125 Nebraska (E-Start)		509 14	YB9-B
125 Nebraska (Kick-Start)		506 11	12N5,5-3B
125 R1, R1S (E-Start)		509 14	YB9-B
125 R1, R1S (Kick-Start)		506 11	12N5,5-3B
125 RC Rally		511 13	YB10L-B
125 Regularita Strada		012 14	6N11A-1B
125 RTX, RV, RX (Kick-Start)		506 11	12N5,5-3B
125 Runner FX, PD		509 14	YB9-B
125 Runner VX, 4T		506 11	12N5,5-3B
125 SP01, SP02 (E-Start)		509 14	YB9-B
125 SP01, SP02 (Kick-Start)		506 11	12N5,5-3B
125 TG 1, -GR 1		012 14	6N11A-1B
125 TOP Rally (E-Start)		509 14	YB9-B
125 TOP Rally (Kick-Start)		506 11	12N5,5-3B
125 Typhoon		507 13	YB7-A
125 X, XR1, XR2 (E-Start)		509 14	YB9-B
125 XR1, XR2 (Kick-Start)		506 11	12N5,5-3B
150 G		013 14	B38-6A
150 Vigilli Urbani		012 14	6N11A-1B
180 Runner FXR, SP		511 13	YB10L-B
180 Runner SP, VXR 4T		AGM 510 12	YTX12-BS
200 Arizona		509 14	YB9-B
200 Fast Bike El.-Starter		506 11	12N5,5-3B
200 Fast Bike Kick-Start		509 14	YB9-B
200 Motocarro		013 14	B38-6A
200 RTX		509 14	YB9-B

Brand Model designation	Year of manufacture	Banner type	First fitting designation
200 RV		509 14	YB9-B
200 RX, RV, RTX		509 14	YB9-B
250 Arizona Rally		511 13	YB10L-B
250 G		013 14	B38-6A
250 NGR		511 13	YB10L-B
250 RV		509 14	YB9-B
300 G		013 14	B38-6A
350 (Kick-Start)		506 11	12N5,5-3B
350 Dakota		509 14	YB9-B
350 Dakota (E-Start)		511 13	YB10L-B
350 ER (E-Start)		511 13	YB10L-B
350 XRT		514 11	YB14L-A2
500 Dakota, Nexus		514 11	YB14L-A2
500 Saturno		514 11	YB14L-A2
600 Nordwest, Top Rallye, XRT		514 11	YB14L-A2
600 RC E- -S, -Nordwest		514 11	YB14L-A2
600 RCK S, -R		506 11	12N5,5-3B
Harley-Davidson			
90 X		507 14	YB7C-A
125 TX, SX		507 14	YB7C-A
175 SX		507 14	YB7C-A
250 EG		507 14	YB7C-A
250 SX		507 14	YB7C-A
350 EG		507 14	YB7C-A
400 EG		507 14	YB7C-A
500 MAR, MT		514 11	YB14L-A2
500 Street	01.2014-	AGM 513 14	YTX15L-BS
750 Street	01.2014-	AGM 513 14	YTX15L-BS
883 XL, XLH	01.1986-12.1996	AGM 518 22	YTX20CH-BS
883 XL, XLH	01.1997-12.2003	AGM PRO 520 01	ETX 20L
883 XL, XLH	01.2004-	AGM 513 14	YTX15L-BS
1000 XL, XLCH, XLCR		AGM 518 22	YTX20CH-BS
1100 XL		AGM 518 22	YTX20CH-BS
1130 VRSC V-Rod		AGM 512 14	YTX14-BS
1200 XL, XLH	01.1997-12.2003	AGM PRO 520 01	ETX 20L
1200 XL, XLH, XRX	01.2004-	AGM 513 14	YTX15L-BS
1250 VRSC V-Rod		AGM 518 21	YTX20L-BS
1340 FL, FLH		AGM PRO 530 01	ETX 30L
1340 FXD, FXST, FLST		AGM PRO 520 01	ETX 20L
1450 FL, FLH		AGM PRO 530 01	ETX 30L
1450 FXD, FXST, FLST		AGM PRO 520 01	ETX 20L
1570 FL, FLH		AGM PRO 530 01	ETX 30L
1570 FXD, FXST, FLST		AGM PRO 520 01	ETX 20L
1580 FL, FLG		AGM PRO 530 01	ETX 30L
1584 FXD, FXST, FLST		AGM PRO 520 01	ETX 20L
1584 FL, FLH		AGM PRO 530 01	ETX 30L
1690 FLH, FLT		AGM PRO 530 01	ETX 30L
1690 FXD, FLS		AGM PRO 520 01	ETX 20L
1803 CVO FLH		AGM PRO 530 01	ETX 30L
1803 CVO FXD, FLS, FLST		AGM PRO 520 01	ETX 20L
Heinkel			
150		012 14	6N11A-1B
R 103		012 14	6N11A-1B
Scooter-Tourist		012 14	6N11A-1B
Hercules			
50 City CV Scooter		007 14	B39-6
50 Limbo, Reggae, Splinter, Gipsy		504 11	YB4L-B
50 Ultra, Fox, Swing, Samba		504 11	YB4L-B
80 City CV, -E			6N11-2D
80 Ultra, Chopper, Samba		505 12	YB5L-B
125 RT		012 14	6N11A-1B
125 RT, BW, T, X		012 14	6N11A-1B
125 Samba, SR		505 12	YB5L-B
2000 W Wankel			YB18L-A
K 103		012 14	6N11A-1B
K 105 X		012 14	6N11A-1B
K 125 BW		012 14	6N11A-1B
K 125 E, K 125X Military		012 14	6N11A-1B
K 125 RT, S, X		012 14	6N11A-1B
RX 9		505 12	YB5L-B
HMZ			
50 Cab		AGM 503 14	YTX4L-BS
125 Cruise			

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Brand Model designation	Year of manufacture	Banner type	First fitting designation
Hodaka			
90			6N4-2A
100			6N4-2A
Honda			
50 CB			6N2-2A
50 CHF, Metropolitan, II, SP		GEL 506 21	GT7-3
50 Lead		504 11	YB4L-B
50 MB			6N4-2A-7
50 MBX		503 12	YB3L-A
50 MT			6N4-2A-7
50 NB, ND, NH		504 11	YB4L-B
50 NCH		AGM 503 14	YTX4L-B5
50 NH Lead		505 12	YB5L-B
50 NS 1		503 12	YB3L-A
50 NSR		503 12	YB3L-A
50 PK0		AGM 503 14	YTX4L-B5
50 PX, Snoopy		504 11	YB4L-B
50 PXR		504 11	YB4L-B
50 SA Vision		AGM 503 14	YTX4L-B5
50 SFX		GEL 503 01	GTR4A-5
50 SGX		AGM 503 14	YTX4L-B5
50 SH		504 11	YB4L-B
50 SJ/SY Bali		GEL 503 01	GTR4A-5
50 SS			6N2-2A
50 ST		AGM 503 14	YTX4L-B5
50 SZX		GEL 503 01	GTR4A-5
80 CH Elite		GEL 506 21	GT7-3
80 CY, MB			6N4-2A-7
80 MBX		503 12	YB3L-A
80 MCX		503 12	YB3L-A
80 MT			6N4-2A-7
80 MTX RS/R2		503 12	YB3L-A
80 MZX RS/R2		503 12	YB3L-A
80 NH Lead, SH E		505 12	YB5L-B
80 XL			6N6-3B-1
90 C, CW, M		504 11	YB4L-B
90 EZ (Club)		GEL 506 21	GT7-3
90 Shadow		GEL 506 21	GT7-3
90 Super Club, TH90 T		AGM 503 14	YTX4L-B5
100 BC, C-MA, C-TH		AGM 503 14	YTX4L-B5
100 CB N			6N6-3B
100 C-M		505 12	YB5L-B
100 EX Bali		GEL 506 21	GT7-3
100 HS			6N4-2A7
100 NF M		GEL 506 21	GT7-3
100 NH-1D		GEL 506 21	GT7-3
100 SH		GEL 506 21	GT7-3
100 SH Scoopy		GEL 506 21	GT7-3
100 SJ Bali		GEL 506 21	GT7-3
100 SJ Bali EX		GEL 506 21	GT7-3
110 C		GEL 506 21	GT7-3
110 CRF F	01.2013-	AGM 503 14	YTX4L-B5
110 NXH Elite		AGM 506 14	YTX7L-B5
125 CB K		012 25	6N12A-2D
125 CB N			6N6-3B-1
125 CB S			6YB8L-B
125 CB S,S V			6N6-3B-1
125 CB T			6YB8L-B
125 CB T Italia		509 14	YB9-B
125 CB TD		509 14	YB9-B
125 CBR (JC34)	01.2004-	GEL 506 21	GT7-3
125 CBX/Endurance			6N6-3B-1
125 CD T		509 14	YB9-B
125 CG			6YB8L-B
125 CG,-IR		503 12	YB3L-A
125 CH E		509 14	YB9-B
125 CH J		AGM PRO 509 01	ETX 9
125 CHA T		509 14	YB9-B
125 City Fly		GEL 506 21	GT7-3
125 CM C		509 14	YB9-B
125 CM T		012 11	6N11A-3A
125 CMR		AGM 503 14	YTX4L-B5
125 CMX		AGM 506 14	YTX7L-B5

Brand Model designation	Year of manufacture	Banner type	First fitting designation
125 CRF F	01.2014-	AGM 503 14	YTX4L-B5
125 CRM		AGM 503 14	YTX4L-B5
125 CS			6N6-3B
125 FES		AGM PRO 509 01	ETX 9
125 GLR		GEL 506 21	GT7-3
125 MBX FE		505 12	YB5L-B
125 MSX Grom	01.2014-	AGM 503 14	YTX4L-B5
125 MT Elsinore			6N6-3B
125 MTX		505 12	YB5L-B
125 NES		AGM 506 14	YTX7L-B5
125 NH D		505 12	YB5L-B
125 NS F		505 12	YB5L-B
125 NSR		GEL 506 21	GT7-3
125 NSR F/R/R2/Raiden		GEL 506 21	GT7-3
125 NX		AGM 506 14	YTX7L-B5
125 Pantheon		AGM PRO 509 01	ETX 9
125 PCX		GEL 506 21	GT7-3
125 Rebel		AGM 506 14	YTX7L-B5
125 SES, SH, Shadow		AGM 506 14	YTX7L-B5
125 SH		GEL 506 21	GT7-3
125 Spacy JF 03	01.1988-	AGM PRO 509 01	ETX 9
125 TL			6N2-2A
125 TMX			6N6-3B
125 VT C		GEL 506 21	GT7-3
125 VT Shadow		AGM 506 14	YTX7L-B5
125 XL RC		503 12	YB3L-A
125 XL RPD		509 14	YB9-B
125 XL S			6N4-2A
125 XL SD			YB2.5L-C-2
125 XLR R		AGM 506 14	YTX7L-B5
125 XV V		GEL 506 21	GT7-3
150 CRF F		GEL 506 21	GT7-3
150 SH		GEL 506 21	GT7-3
150 PCX		GEL 506 21	GT7-3
200 CB		509 14	YB9-B
200 CM		509 14	YB9-B
200 TLR		AGM 503 14	YTX4L-B5
230 CRF L, M		GEL 506 21	GT7-3
250 CB Nighthawk	01.1991-12.2007	AGM 506 14	YTX7L-B5
250 CB G, K		512 11	YB12A-A
250 CBR R	01.2011-	AGM 506 14	YTX7L-B5
250 CB RC, RS, RSD		509 14	YB9-B
250 CFR X		GEL 506 21	GT7-3
250 CH		AGM 510 12	YTX12-B5
250 CJ T		509 14	YB9-B
250 CM C, CMX C		509 14	YB9-B
250 CMX Rebel		AGM 506 14	YTX7L-B5
250 CN, Fusion		AGM 510 12	YTX12-B5
250 NSS		AGM 510 12	YTX12-B5
250 NX, Dominator		AGM 506 14	YTX7L-B5
250 PS		AGM 510 12	YTX12-B5
250 SM		GEL 510 21	GT12A-4
250 VT FD		509 14	YB9-B
250 XL			6N6-3B-1
250 XL k1-14			6N6-3B
250 XL RC		503 12	YB3L-A
250 XL S			6N4-2A
250 XR L, R		AGM 503 14	YTX4L-B5
300 NSS Forza	01.2014-	GEL 510 21	GT12A-4
350 CB F, K		512 11	YB12A-A
300 CB F, RR	01.2015-	AGM 506 14	YTX7L-B5
350 XL			6N6-3B-1
350 XL R		503 12	YB3L-A
360 CB, F		512 11	YB12A-A
400 CB N		512 11	YB12A-A
400 CB S FgstNr. -2002761		512 15	YB12A-B
400 CB S FgstNr. 2002762-		514 14	YB14-B2
400 CB T		512 11	YB12A-A
400 CMX Rebel		512 11	YB12A-A
400 NS R 2-Takt		GEL 506 21	GT7-3
400 NV C Steed		AGM PRO 509 01	ETX 9
400 VFR R		AGM 506 15	YTX7A-B5
450 CB, CL, CM, CMX		512 11	YB12A-A



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Brand Model designation	Year of manufacture	Banner type	First fitting designation
450 CRF, X		GEL 506 21	GT7-3
500 CB 2-cyl.	01.1994-	AGM PRO 509 01	ETX 9
500 CB-K3		512 11	YB12A-A
500 CBR		AGM PRO 509 01	ETX 9
500 CBR R	01.2013-	GEL 509 01	GTZ10-4
500 CBX, F		GEL 509 01	GTZ10-4
500 CX, C, E		514 11	YB14L-A2
500 FT		514 11	YB14L-A2
500 NX		AGM PRO 509 01	ETX 9
500 VF F, C, E		512 11	YB12A-A
500 XBR		512 15	YB12A-B
500 XL R, S		503 12	YB3L-A
550 CB F, K		512 11	YB12A-A
550 CBX		512 11	YB12A-A
582, FSC 600		GEL 512 01	GTZ14-4
600 CB F (599)	01.2004-12.2006	AGM 506 14	YTX7L-B5
600 CB Hornet	01.1998-12.1998	AGM 506 14	YTX7L-B5
600 CB Hornet	01.2002-12.2003	GEL 509 01	GTZ10-4
600 CBR F Hornet	01.1991-12.2000	AGM PRO 509 01	ETX 9
600 CBR F Hornet, F4i, 600 RR	01.2001-	GEL 509 01	GTZ10-4
600 FSC Silver Wing	01.2002-	GEL 510 21	GT12A-4
600 VT C Shadow	01.1988-12.2003	AGM PRO 509 01	ETX 9
600 VT C Shadow	01.2004-	GEL 509 01	GTZ10-4
600 XL LM Paris Dakar		514 12	YB14-A2
600 XL R		503 12	YB3L-A
600 XL V		512 15	YB12A-B
600 XR R		503 12	YB3L-A
650 B Z		512 11	YB12A-A
650 CB		512 11	YB12A-A
650 CBR F	01.2014-	GEL 509 01	GTZ10-4
650 CB SC Nighthawk		512 13	YB12AL-A2
650 CBX E Nighthawk		512 13	YB12AL-A2
650 CX CD		514 12	YB14-A2
650 CX E		514 14	YB14-B2
650 Deauville		AGM PRO 509 01	ETX 9
650 FX		AGM PRO 509 01	ETX 9
650 GL		514 14	YB14-B2
650 NT V		AGM PRO 509 01	ETX 9
650 NTV Reveré		509 14	YB9-B
650 NX Dominator		AGM PRO 509 01	ETX 9
650 R		509 14	YB9-B
650 SLR		509 14	YB9-B
650 Vigor		AGM PRO 509 01	ETX 9
650 XL V		GEL 512 01	GTZ14-4
650 XR L		AGM PRO 509 01	ETX 9
650 XRV -Africa Twin	01.1993-	512 15	YB12A-B
650 XRV J		514 14	YB14-B2
680 DN-01	01.2009-	GEL 512 01	GTZ14-4
700 CB SC		514 11	YB14L-A2
700 CTX	01.2014-	GEL 512 01	GTZ14-4
700 NC, NCX		GEL 512 01	GTZ14-4
700 NT V	01.2010-	GEL 512 01	GTZ14-4
700 VF C Magna, F Interceptor		514 11	YB14L-A2
700 VFR F		512 15	YB12A-B
700 VT C Shadow		GEL 512 01	GTZ14-4
750 CB F1, F2, FA, K1, K2, KZ		514 11	YB14L-A2
750 CB Nighthawk	01.1991-12.2003	514 12	YB14-A2
750 CBX, -F		514 12	YB14-A2
750 NC, SE, XE	01.2014-	AGM PRO 514 01	ETX 14
750 RVF R	01.1994-	AGM PRO 509 01	ETX 9
750 VF 750 S, ST		514 11	YB14L-A2
750 VF F		514 12	YB14-A2
750 VFR FG-FK, FgstNr. 2009621-	01.1986-12.1989	514 14	YB14-B2
750 VFR FL		AGM 510 12	YTX12-B5
750 VFR R		AGM PRO 509 01	ETX 9
750 VT C, CD, CD 2		AGM PRO 514 01	ETX 14
750 VT DC, A, B, RS, C2B, Shadow Spirit	01.2001-	GEL 512 01	GTZ14-4
750 XLV		514 12	YB14-A2
750 XRV Africa Twin	-1992	514 14	YB14-B2
750 XRV Africa Twin	01.1993-	AGM PRO 514 01	ETX 14
800 PC Pacific Coast		AGM 510 12	YTX12-B5
800 VFR	01.2002-	GEL 510 21	GT12A-4
800 VFR FI	01.1998-12.2001	AGM 510 12	YTX12-B5

Brand Model designation	Year of manufacture	Banner type	First fitting designation
800 VFR P	01.2002-12.2007	GEL 512 01	GTZ14-4
800 VT C Shadow		514 14	YB14-B2
900 CB F		GEL 509 01	GTZ10-4
900 CB F Hornet		GEL 509 01	GTZ10-4
900 CB FZ80		514 11	YB14L-A2
900 CBR R		AGM PRO 509 01	ETX 9
900 CBR RR FireBlade	-1999	AGM PRO 509 01	ETX 9
900 CBR RR FireBlade	01.2000-	GEL 509 01	GTZ10-4
919 CB F		GEL 509 01	GTZ10-4
929 CBR RR, RE		GEL 509 01	GTZ10-4
954 CBR RR		GEL 509 01	GTZ10-4
1000 CB C		514 11	YB14L-A2
1000 CB F Big One		AGM 510 12	YTX12-B5
1000 CBR F	01.1987-12.1996	514 13	YB14L-B2
1000 CBR, F	01.2006-	GEL 509 01	GTZ10-4
1000 CBR RR	01.2004-12.2007	GEL 509 01	GTZ10-4
1000 CBR RR	01.2008-	GEL 506 21	GT7-3
1000 CBX		AGM 522 14	YTX50L-B5
1000 CBX prolink		520 12	Y50-N18L-A
1000 GL Gold Wing		520 12	Y50-N18L-A
1000 RVT		GEL 510 21	GT12A-4
1000 SP-2		520 12	Y50-N18L-A
1000 Varadero ABS		520 12	Y50-N18L-A
1000 VF F, R		516 15	YB16B-A1
1000 VTR	01.1997-12.2000	AGM 510 12	YTX12-B5
1000 VTR	01.2001-	GEL 509 01	GTZ10-4
1000 XL V Varadero		AGM PRO 514 01	ETX 14
1100 CB	01.2010-	GEL 512 01	GTZ14-4
1100 CB F Super Sport	01.1983-	514 11	YB14L-A2
1100 CBR XX	01.1997-12.2000	AGM 510 12	YTX12-B5
1100 CBR XX	01.2001-	GEL 510 21	GT12A-4
1100 GL Gold Wing		AGM 522 14	YTX50L-B5
1100 ST 1100 Pan European		AGM PRO 514 01	ETX 14
1100 VF C, S		AGM PRO 520 01	ETX 20L
1100 VT C, C2, C3, T Shadow	01.1985-12.2000	GEL 512 01	GTZ14-4
1100 VT C, C2, C3	01.2000-12.2007	AGM PRO 514 01	ETX 14
1200 GL Gold Wing		AGM 522 14	YTX50L-B5
1200 VR, VFR F, XD	01.2010-	GEL 512 01	GTZ14-4
1300 CTX	01.2014-	GEL 512 01	GTZ14-4
1300 ST, A, P, VT CS, CR, CXA, Fury	01.2003-	GEL 512 01	GTZ14-4
1300 VTX, R, S, Retro		AGM PRO 514 01	ETX 14
1500 GL A Aspencade		520 11	Y50-N18L-A3
1500 GL C (F6C)		AGM PRO 514 01	ETX 14
1500 GL Gold Wing		AGM 522 14	YTX50L-B5
1500 GL Valkyrie		AGM PRO 514 01	ETX 14
1800 alle Modelle/all models		AGM PRO 520 01	ETX 20L
Horex			
Imperator, -Gespann		AGM PRO 514 01	ETX 14
HRD			
125		509 14	YB9-B
125 Red Silver		509 14	YB9-B
125 White Horse		509 14	YB9-B
Husaberg			
50 alle Modelle/all models		AGM PRO 509 01	ETX 9
450 alle Modelle/all models		GEL 506 21	GT7-3
550 alle Modelle/all models		GEL 506 21	GT7-3
650 alle Modelle/all models		GEL 506 21	GT7-3
Husqvarna			
250 TE, TXC		GEL 506 21	GT7-3
310 TC, TXC, TE, SMR		GEL 506 21	GT7-3
400 TE E		AGM PRO 514 01	ETX 14
449 TE		GEL 506 21	GT7-3
450 TE, TC, TXC, SMR		GEL 506 21	GT7-3
510 TC, TXC, TE, SMR		GEL 506 21	GT7-3
511 TE, TXC		GEL 506 21	GT7-3
580 TE E, SM S		AGM PRO 514 01	ETX 14
610 SM S		AGM PRO 514 01	ETX 14
900 NUDA		AGM PRO 514 01	ETX 14
1100 Grand Prix		528 16	Y60-N24L-A
Hyosung			
50 alle Modelle/all models		AGM 503 14	YTX4L-B5
100 EZ		GEL 506 21	GT7-3
125 GF		507 14	YB7C-A

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Brand Model designation	Year of manufacture	Banner type	First fitting designation
125 GS		507 14	YB7C-A
125 GT Naked		AGM PRO 514 01	ETX 14
125i MS3		AGM PRO 509 01	ETX 9
125 XR		AGM 506 15	YTX7A-BS
250 Aquila		507 14	YB7C-A
250 NS3	01.2009-	AGM PRO 509 01	ETX 9
250 GV	01.2009-	AGM PRO 509 01	ETX 9
250 GT, R	01.2009-	AGM PRO 514 01	ETX 14
250i MS3		AGM PRO 509 01	ETX 9
650 GT, GV	01.2009-	AGM PRO 514 01	ETX 14
700 ST7		AGM PRO 514 01	ETX 14
Cruise I+II		507 14	YB7C-A
Hyper/Karion		AGM 506 15	YTX7A-BS
Supercab		GEL 506 21	GT7-3
Hyundai			
HMD Cab		AGM 503 14	YTX4L-BS
Indian			
999 Scout Sixty	01.2016-	514 12	YB14-A2
1133 Scout	01.2015-	514 12	YB14-A2
1442		AGM PRO 520 01	ETX 20L
1638		AGM 522 14	YTX50L-BS
1720		AGM PRO 520 01	ETX 20L
1819		AGM PRO 520 01	ETX 20L
Innocenti			
125 Lambretta		012 14	6N11A-1B
150 Lambretta		012 14	6N11A-1B
175 Lambretta		012 14	6N11A-1B
175 Lambro		530 30	
200 Lambro		530 30	
450 Lambro		530 30	
550 Lambro		AGM PRO 530 01	ETX 30L
650 Lambro		AGM PRO 530 01	ETX 30L
Italjet			
50 Adly		505 12	YB5L-B
50 Bazooka, 2		504 11	YB4L-B
50 Bucanier		506 11	12N5,5-3B
50 Coyotte			6N2-2A
50 Cruise		504 11	YB4L-B
50 Dragster, Reporter, Scoop		504 11	YB4L-B
50 Pista, Torpedo		504 11	YB4L-B
50 Velocifero, Formula, Formula Race		504 11	YB4L-B
125 Dragster		511 13	YB10L-B
125 Formula, Torpedo		509 14	YB9-B
125 Millenium		AGM 506 15	YTX7A-BS
150 Millenium		AGM 506 15	YTX7A-BS
150 Torpedo		509 14	YB9-B
180 Dragster		AGM PRO 514 01	ETX 14
Itteco			
50 Bucanier		506 11	12N5,5-3B
50 Cool		504 11	YB4L-B
Jawa			
50 Mosquito 50		504 11	YB4L-B
250 (12V)		505 12	YB5L-B
250 (6V)		013 14	B38-6A
350 (12V)		505 12	YB5L-B
350 (6V)		013 14	B38-6A
350 California (6V)		008 11	B49-6
360 (6V)		013 14	B38-6A
361 (6V)		013 14	B38-6A
634 (6V)		013 14	B38-6A
638 (12V)		505 12	YB5L-B
640 (12V)		505 12	YB5L-B
CZ 476 (6V)		008 11	B49-6
CZ 477 (6V)		008 11	B49-6
Kasea			
50 Sense, Prima		GEL 506 21	GT7-3
125 RX		AGM 506 15	YTX7A-BS
Kawasaki			
20 AR			6N6-1D-2
50 AE, AR			6N6-3B-1
50 AR 5 C7, C8			6N6-1D-2
50 AR C2-C4		512 11	YB12A-A
50 AR C5		512 11	YB12A-A

Brand Model designation	Year of manufacture	Banner type	First fitting designation
50 AV			6N6-1D-2
80 AE, AR			6N6-1D-2
80 KMX			6N2-2A-7
90 alle Modelle/all models			12N5,5A-3B
125 AR, B1-B8, S		505 12	YB5L-B
125 BN Eliminator			YB9L-B
125 K			6N6-3B-1
125 K7		503 13	YB3L-B
125 KDX		503 12	YB3L-A
125 KDX B1-B4		503 12	YB3L-A
125 KDX SR		503 12	YB3L-A
125 KE, KH			6N6-1D-2
125 KH K7,K10		503 13	YB3L-B
125 KH L1			6N6-3B-1
125 KLX	01.2013-	AGM 506 14	YTX7L-BS
125 KMX		504 11	YB4L-B
125 KMX A1		503 12	YB3L-A
125 KS			6N6-1D-2
125 Z PRO	01.2016-	AGM 503 14	YTX4L-BS
175 KDX B		004 12	6N4B-2A
175 KE B, D, F			6N6-1D-2
200 KMX A2-A5		504 11	YB4L-B
200 Z		511 13	YB10L-B
250 Estrella		AGM PRO 509 01	ETX 9
250 EX Ninja	01.2008-12.2008	AGM 506 15	YTX7A-BS
250 EX Ninja	01.2009-	AGM PRO 509 01	ETX 9
250 KE		004 12	6N4B-2A
250 KH			12N5,5-4A
250 KL			6N6-3B-1
250 KL Super Sherpa		AGM 506 14	YTX7L-BS
250 KLT A, C	01.1982-	512 11	YB12A-A
250 KLX S		AGM 506 14	YTX7L-BS
250 Z		511 12	YB10L-A2
250 ZZR			YB9L-A2
252 EL			YB9L-A2
300 EX Ninja	01.2013-	AGM PRO 509 01	ETX 9
300 J, ABS	01.2016-	AGM PRO 509 01	ETX 9
305 EX A1, B GP, GPZ			YB9L-A2
305 KZ, LTD, Z		511 12	YB10L-A2
350 KH			12N5,5-4A
400 KH			12N5,5-4A
400 Z B, C		512 11	YB12A-A
400 Z J (4-cyl.)		512 11	YB12A-A
400 ZXR	-1990	512 11	YB12A-A
400 ZXR	01.1991-	AGM PRO 509 01	ETX 9
440 alle Modelle/all models		512 11	YB12A-A
450 EN		512 11	YB12A-A
450 KLX R		GEL 506 21	GT7-3
450 Z LTD		512 11	YB12A-A
500 EN A, C Vulcan		512 13	YB12AL-A2
500 ER-5		AGM 510 12	YTX12-BS
500 EX A, D Ninja		514 11	YB14L-A2
500 GPX R		512 11	YB12A-A
500 GPZ R		512 11	YB12A-A
500 GPZ S (2-cyl.)		514 11	YB14L-A2
500 KL Tengai		514 11	YB14L-A2
500 KLE (2-cyl.)		AGM 510 12	YTX12-BS
500 KLE (LE500)		AGM 510 12	YTX12-BS
500 KLR		514 11	YB14L-A2
500 KZ B		512 11	YB12A-A
500 Z , B, F		512 11	YB12A-A
500 Z GP		512 11	YB12A-A
500 ZL, ZZR		512 11	YB12A-A
537 ER KW		AGM 510 12	YTX12-BS
550 Zephyr	-1993	512 11	YB12A-A
550 Zephyr	01.1994-	AGM 510 12	YTX12-BS
600 GPX C Warbird		512 11	YB12A-A
600 GPZ E/L, R		512 11	YB12A-A
600 KL A KLAR		504 11	YB4L-B
600 KL A1		504 11	YB4L-B
600 KL600R, KLR600 (KL600B)		514 11	YB14L-A2
600 KLR B1		514 11	YB14L-A2
600 KLR B2		514 11	YB14L-A2



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600 ZK E ZZR Ninja		AGM 510 12	YTX12-B5
600 ZL B Eliminator		512 11	YB12A-A
600 ZX FA ZX-6R Ninja, G, J, K, M, N		AGM PRO 509 01	ETX 9
600 ZX E, F ZX-6R Ninja		AGM 510 12	YTX12-B5
600 ZZR	01.2002-12.2004	AGM 510 12	YTX12-B5
600 ZZR	01.2005-	AGM PRO 509 01	ETX 9
636 ZX-6R		AGM PRO 509 01	ETX 9
650 EJ		AGM PRO 514 01	ETX 14
650 ER6n	01.2009-	AGM 510 12	YTX12-B5
650 GPZ R		512 11	YB12A-A
650 KL Tengai		514 11	YB14L-A2
650 KLR (KL650A)		514 11	YB14L-A2
650 KLR, C		514 11	YB14L-A2
650 KLX	01.1993-	AGM PRO 509 01	ETX 9
650 KLX (LX650C)		AGM PRO 509 01	ETX 9
650 KZ B, C, D SR, E LTD, F		511 12	YB10L-A2
650 KZ H CSR		512 11	YB12A-A
650 Ninja R		AGM 510 12	YTX12-B5
650 Tengai		514 11	YB14L-A2
650 W		AGM PRO 514 01	ETX 14
650 Z B1/B2/ZBSR, 650		511 12	YB10L-A2
650 ZX-6R		AGM 510 12	YTX12-B5
700 KZ A		512 11	YB12A-A
700 VN A Vulcan, LTD		514 11	YB14L-A2
750 GPX R	01.1989-	514 11	YB14L-A2
750 GPZ A, E, G		514 11	YB14L-A2
750 GPZ R		512 11	YB12A-A
750 GPZ R Ninja (ZK750G)		514 11	YB14L-A2
750 H2 Series			12N5,5-4A
750 KZ A		514 11	YB14L-A2
750 KZ B, G LTD		514 11	YB14L-A2
750 KZ D		514 11	YB14L-A2
750 KZ E		512 11	YB12A-A
750 KZ F LTD; N Spectre		514 11	YB14L-A2
750 KZ H; L LTD; GP		512 11	YB12A-A
750 KZ K LTD KI		514 11	YB14L-A2
750 KZ K LTD; M CSR, P, GT		514 11	YB14L-A2
750 KZ R L, L		512 11	YB12A-A
750 KZ Y LTD Y, Y		512 13	YB12AL-A2
750 VN, Z B		514 11	YB14L-A2
750 Z (EU)	01.2009-	AGM PRO 509 01	ETX 9
750 Z E		512 11	YB12A-A
750 Z GP	01.1983-	514 11	YB14L-A2
750 Z GP Turbo	01.1983-	514 11	YB14L-A2
750 Z GT		514 11	YB14L-A2
750 Z H2-LTD (4-cyl.)		512 11	YB12A-A
750 Z L		512 11	YB12A-A
750 Z LTD (2-cyl.)		514 11	YB14L-A2
750 Z P1, P2		514 11	YB14L-A2
750 Z S1		514 11	YB14L-A2
750 Z Zephyr		AGM 510 12	YTX12-B5
750 ZK-J		512 13	YB12AL-A2
750 ZN A LTD		514 11	YB14L-A2
750 ZR-7, S		AGM 510 12	YTX12-B5
750 ZX F Ninja		514 11	YB14L-A2
750 ZX-7R		AGM 510 12	YTX12-B5
750 ZX-7RR	01.1993-	AGM PRO 509 01	ETX 9
750 ZXR	-1989	514 11	YB14L-A2
750 ZXR	01.1991-12.1992	AGM 510 12	YTX12-B5
750 ZXR	01.1990-12.1990	512 13	YB12AL-A2
750 ZXR	01.1993-	AGM PRO 509 01	ETX 9
800 VN, Classic	01.1995-12.2003	AGM PRO 514 01	ETX 14
800 VN, Classic	01.2004-	AGM 510 12	YTX12-B5
800 Z		AGM PRO 509 01	ETX 9
900 A4		511 12	YB10L-A2
900 GPZ R		514 11	YB14L-A2
900 KZ A, B LTD		511 12	YB10L-A2
900 MK2		514 11	YB14L-A2
900 Vulcan		AGM 510 12	YTX12-B5
900 Z	01.1976-	511 12	YB10L-A2
900 Z 1000 A, -ST, MK2, Z1R, ST		514 11	YB14L-A2
900 Z1 Series	01.1976-	514 11	YB14L-A2
900 Z1R, ZL A, ZX A Ninja		514 11	YB14L-A2

Brand Model designation	Year of manufacture	Banner type	First fitting designation
900 ZX-9R C, E, F Ninja	01.1998-	AGM PRO 509 01	ETX 9
900 ZX-9R Ninja	-1997	AGM 510 12	YTX12-B5
1000 GPZ RX, ZX 10		514 11	YB14L-A2
1000 GTR (ZGT00A)		AGM PRO 520 01	ETX 20L
1000 H2R	01.2014-		
1000 Ninja ABS	01.2011-12.2013	AGM PRO 509 01	ETX 9
1000 Ninja ABS	01.2014-	GEL 510 21	GT12A-4
1000 KZ A, B LTD, C		514 11	YB14L-A2
1000 KZ E Shaft		AGM PRO 516 01	ETX 16L
1000 KZ G Classic		514 11	YB14L-A2
1000 KZ J, M CSR, P		AGM PRO 520 01	ETX 20L
1000 KZ LTD K, R SS		AGM PRO 520 01	ETX 20L
1000 KZ ST		AGM PRO 516 01	ETX 16L
1000 Versys		AGM PRO 509 01	ETX 9
1000 Z	01.2003-12.2013	AGM PRO 509 01	ETX 9
1000 Z ABS, Ninja ABS	01.2014-	GEL 510 21	GT12A-4
1000 Z A, B, C, D, G, MK 2		514 11	YB14L-A2
1000 Z ABS	01.2003-12.2013	AGM PRO 509 01	ETX 9
1000 Z ABS	01.2014-	GEL 510 21	GT12A-4
1000 Z GTR		AGM PRO 520 01	ETX 20L
1000 Z GTR, K 1, LTD, R2, J		AGM PRO 520 01	ETX 20L
1000 Z1-R (KZ1000D)		514 11	YB14L-A2
1000 ZG A Concours, ZGT A		AGM PRO 520 01	ETX 20L
1000 ZL A Eliminator		514 11	YB14L-A2
1000 ZX 10-R	01.1986-12.1990	514 11	YB14L-A2
1000 ZX 10-R	01.2011-	GEL 506 21	GT7-3
1000 ZX 10-R ABS	01.2014-	GEL 509 01	GTZ10-4
1000 ZX A Concours		AGM PRO 520 01	ETX 20L
1000 ZX A Ninja, ZX 10B Tomcat		514 11	YB14L-A2
1000 ZX C Ninja		GEL 510 01	GT12B-4
1100 GPZ	01.1995-	AGM PRO 514 01	ETX 14
1100 KZ A		AGM PRO 520 01	ETX 20L
1100 KZ B GP		AGM PRO 516 01	ETX 16L
1100 KZ D Spectre, L LTD		AGM PRO 520 01	ETX 20L
1100 Z ST		AGM PRO 520 01	ETX 20L
1100 Z Zephyr		AGM 518 22	YTX20CH-B5
1100 ZG -A7, 8		AGM PRO 520 01	ETX 20L
1100 ZN B LTD		514 11	YB14L-A2
1100 ZR A,B		AGM 518 22	YTX20CH-B5
1100 ZRX	01.1997-	AGM PRO 514 01	ETX 14
1100 ZX C-G, D 1		AGM PRO 514 01	ETX 14
1100 ZX-11 Ninja	01.1990-12.1993	514 11	YB14L-A2
1100 ZX-11 Ninja, ZX-12 Ninja	01.1994-	AGM PRO 514 01	ETX 14
1100 ZXR C		AGM PRO 514 01	ETX 14
1100 ZZR	01.1993-	AGM PRO 514 01	ETX 14
1100 ZZR	-1992	514 11	YB14L-A2
1100 ZZR EU (ZXT10C)		514 11	YB14L-A2
1100 ZZR EU (ZXT10D)		AGM PRO 514 01	ETX 14
1200 ZG A, B Voyager		520 12	Y50-N18L-A
1200 ZRX R/S (ZRT20A/B)		AGM 510 12	YTX12-B5
1200 ZX A1		AGM PRO 514 01	ETX 14
1200 ZX-12R Ninja (ZXT20B)		AGM PRO 514 01	ETX 14
1200 ZZ-R (ZXT20C)		AGM PRO 514 01	ETX 14
1300 KZ A, B Touring		520 12	Y50-N18L-A
1300 VN 15 B2-B6	-1995	520 12	Y50-N18L-A
1300 Z, Z/ZG A		520 12	Y50-N18L-A
1300 ZG, ZGT A		520 12	Y50-N18L-A
1300 ZN A Europe		AGM PRO 530 01	ETX 30L
1400 ZX Ninja, Concours, ZG		AGM PRO 514 01	ETX 14
1400 Concours 14 ABS	01.2014-	GEL 512 01	GTZ14-4
1500 VN A, -C Vulcan	01.1996-	520 12	Y50-N18L-A
1500 VN D, -E Vulcan, G1, -F, -H, -L, -N, -P, -J1		AGM 518 22	YTX20CH-B5
1500 VN SE B Vulcan	01.1996-	520 12	Y50-N18L-A
1600 VN		AGM 518 22	YTX20CH-B5
1700 VN		AGM 518 22	YTX20CH-B5
2000 VN		AGM 518 22	YTX20CH-B5
KL-Shelung			
50 Club, Racer		AGM PRO 514 01	ETX 14
Kreidler			
50 Florett		507 14	YB7C-A
80 Florett		507 14	YB7C-A
125 Mustang		507 14	YB7C-A

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KTM			
50 Go, Chrono		AGM 503 14	YTX4L-B5
50 Kross		504 11	YB4L-B
80 RLW-RSL, Chopper/PL		509 14	YB9-B
125 EXC		509 14	YB9-B
125 Duke		AGM 506 14	YTX7L-B5
125 RC	01.2014-	AGM 503 14	YTX4L-B5
200 EXC		509 14	YB9-B
200 Duke		AGM PRO 509 01	ETX 9
250 CB F	01.2014-	AGM 506 14	YTX7L-B5
250 EXC, EXF		GEL 506 21	GT7-3
250 XC, EXC, XC-W		AGM 503 14	YTX4L-B5
250 XCF		GEL 506 21	GT7-3
250 EXC-F, XC-W, XCF-W		GEL 506 21	GT7-3
250 SX-F, EXC, EXC-F, XC	01.2013-	AGM 503 14	YTX4L-B5
250 Freeride	01.2014-	AGM 503 14	YTX4L-B5
300 EXC, XC, XC-W		AGM 503 14	YTX4L-B5
350 XC-F, Freeride		GEL 506 21	GT7-3
350 SX-F, EXC-F		AGM 503 14	YTX4L-B5
380 EXC		509 14	YB9-B
390 Duke, RC	01.2011-	AGM PRO 509 01	ETX 9
400 EXC Racing, XC-W		GEL 506 21	GT7-3
400 LC4, RXC, LC4		AGM PRO 509 01	ETX 9
450 EXC, MXC, SMR, SX-F, XC-F, XC-W		GEL 506 21	GT7-3
450 SMR	01.2013-	AGM 503 14	YTX4L-B5
500 K4 Enduro		509 14	YB9-B
520 EXC, MXC		GEL 506 21	GT7-3
525 EXC Racing, MXC	01.2003-	GEL 506 21	GT7-3
530 EXC Racing, XC-W	01.2003-	GEL 506 21	GT7-3
550 LC		509 14	YB9-B
620 Adventure, Duke, E, LC4, LS-E		AGM PRO 509 01	ETX 9
625 LC4 SXC, SMC		GEL 509 01	GTZ10-4
640 Adventure, Duke, RXC LC4, Supermoto	01.1999-12.2002	AGM PRO 509 01	ETX 9
640 Adventure, Comet, Duke II, RXC LC4, Supermoto	01.2003-	GEL 509 01	GTZ10-4
660 SMC		AGM PRO 509 01	ETX 9
690 Duke	01.2009.12.2012	GEL 509 01	GTZ10-4
690 Duke	01.2013-	AGM PRO 509 01	ETX 9
690 Enduro R, Supermoto, SMC, SMC R	01.2009-	GEL 509 01	GTZ10-4
950 Adventure, Supermoto, Superduke, VS		GEL 512 01	GTZ14-4
990 Adventure, Superduke, Supermoto	01.2003-	GEL 512 01	GTZ14-4
1050 Adventure	01.2014-	GEL 512 01	GTZ14-4
1190 RC8, Adventure	01.2009-	GEL 512 01	GTZ14-4
1290 Super Duke	01.2014-	AGM 512 14	YTX14-B5
1290 Super Adventure	01.2014-	GEL 512 01	GTZ14-4
Kymco			
50 Agility		AGM 506 15	YTX7A-B5
50 Calypso 50, Cobra, Cross, Filly 50		GEL 506 21	GT7-3
50 Dink, People, Top Boy		GEL 506 21	GT7-3
50 Fever ZX, Heroism, Curio		504 11	YB4L-B
50 KB		AGM 503 14	YTX4L-B5
50 Racer, Looping, People		GEL 506 21	GT7-3
50 Scout, ZX Fever, Sniper		AGM 503 14	YTX4L-B5
50 Spacer, Super 9		GEL 506 21	GT7-3
80 Filly		GEL 506 21	GT7-3
100 alle Modelle/all models		GEL 506 21	GT7-3
125 Agility		GEL 506 21	GT7-3
125 B&W		AGM PRO 509 01	ETX 9
125 Calypso		AGM PRO 509 01	ETX 9
125 Dink LX, G5, G6		AGM PRO 509 01	ETX 9
125 Fox Hunt		AGM 506 15	YTX7A-B5
125 Heroism, -Spacer, -Vector		504 11	YB4L-B
125 Jockey		AGM 506 15	YTX7A-B5
125 K-XCT, Movie, Vivio		AGM PRO 509 01	ETX 9
125 People, Zing		AGM 506 15	YTX7A-B5
125 Sector		506 11	12N5,5-3B
150 B&W, Dink/LX, Spacer, Vivio		AGM PRO 509 01	ETX 9
150 CX, DJW, DJX, DJY		AGM 503 14	YTX4L-B5
150 Fox Hunt, People, Super 8		AGM 506 15	YTX7A-B5

Brand Model designation	Year of manufacture	Banner type	First fitting designation
150 Heroism		504 11	YB4L-B
150 People S, Super S		AGM 506 15	YTX7A-B5
180 Dink, Racing		GEL 510 21	GT12A-4
200 Dink, Downtown, Grand Dink, K-XCT	01.2014-	GEL 510 21	GT12A-4
200 People S		AGM 506 15	YTX7A-B5
250 Venox		AGM PRO 509 01	ETX 9
250 alle anderen Modelle/ all other models		AGM 510 12	YTX12-B5
300 Dink, Downtown, Grand Dink, K-XCT	01.2014-	GEL 510 21	GT12A-4
300 Downtown, People		GEL 510 21	GT12A-4
400 Xciting		AGM PRO 514 01	ETX 14
500 Xciting		AGM PRO 514 01	ETX 14
700 My road		AGM PRO 514 01	ETX 14
K 12		504 11	YB4L-B
Laverda			
125 CU Rider		506 11	12N5,5-3B
125 GS Lesmo		506 11	12N5,5-3B
125 LB		506 11	12N5,5-3B
125 LZ (Zündapp Motor)		012 14	6N11A-1B
350		AGM PRO 520 01	ETX 20L
500			YB18L-A
600 OR Atlas		514 11	YB14L-A2
650 Ghost, Strike		514 11	YB14L-A2
668		518 14	
750			YB18L-A
750 Formula		504 11	YB4L-B
750 SF/SFC/GTL/GTS			12N24-3A
750 Strike			12N24-3A
1000		AGM PRO 530 01	ETX 30L
1200		AGM PRO 530 01	ETX 30L
Lem			
50 alle Modelle/all models		504 11	YB4L-B
Maico			
125 GS		007 14	B39-6
250 GS T		007 14	B39-6
250 M		007 14	B39-6
250 MD		505 12	YB5L-B
260 GS T		007 14	B39-6
360 T		007 14	B39-6
400 T		007 14	B39-6
440 T		007 14	B39-6
504 GS		007 14	B39-6
alle anderen Nassbatterie-Typen/ all other wet battery types		008 11	B49-6
Cup		505 12	YB5L-B
Malaguti			
50 alle Modelle/all models		504 11	YB4L-B
100 Ciak		505 12	YB5L-B
100 F12		GEL 506 21	GT7-3
100 Phantom F12		GEL 506 21	GT7-3
125 Ciak, F18		509 14	YB9-B
125 Madison		509 14	YB9-B
125 Runner VS, Rally		503 12	YB3L-A
125 Runner, R			6N6-3B
150 Ciak		509 14	YB9-B
150 F18		509 14	YB9-B
150 Madison		509 14	YB9-B
180 Madison		509 14	YB9-B
200 Madison		509 14	YB9-B
250 Madison		509 14	YB9-B
400 Madison		509 14	YB9-B
500 Spidermax GT		509 14	YB9-B
Malanca			
125 CE		012 14	6N11A-1B
125 Mark			12N5,5-4B
125 OB One			12N5,5-4B
125 SSM			12N5,5-4B
150 GT		012 14	6N11A-1B
Malchless			
250 (6V)		013 14	B38-6A
350 (6V)		013 14	B38-6A



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Brand Model designation	Year of manufacture	Banner type	First fitting designation
500 (6V)		013 14	B38-6A
650 (12V)		AGM 506 15	YTX7A-BS
650 (6V)		013 14	B38-6A
750 (12V)		AGM 506 15	YTX7A-BS
Il Greevee 711 (12V)		AGM 506 15	YTX7A-BS
MBK			
50-80 alle Modelle/all models		504 11	YB4L-B
100 Booster, Ovetto		GEL 506 21	GT7-3
100 Nitro		AGM 503 14	YTX4L-BS
125 Active		507 14	YB7C-A
125 Doodo, -Skyliner		507 14	YB7C-A
125 Flame		AGM 506 15	YTX7A-BS
125 IP 125 MAG		507 14	YB7C-A
125 Skyliner 125			YB7L-B2
125 XC Active		507 14	YB7C-A
125 XC Flame		AGM 506 15	YTX7A-BS
150 Vertex		AGM 506 15	YTX7A-BS
250 Magestic		507 14	YB7C-A
250 YP Majesty		AGM 506 15	YTX7A-BS
Montesa			
250 Crono		512 11	YB12A-A
Moto Guzzi			
125 Bicilindrico, Bizylinder		012 14	6N11A-1B
125 Custom		509 14	YB9-B
125 Stornello Scrambler		013 14	B38-6A
125 Stornello Sport		007 14	B39-6
125 TT			12N5,5-4A
160 Stornello Scrambler		013 14	B38-6A
175 Lodola		008 11	B49-6
200 Motocarro Ercolino		013 14	B38-6A
250 4-cyl.		512 11	YB12A-A
250 Bicilindrico, Bizylinder		012 14	6N11A-1B
350			YB18L-A
350 Florida, Nevada, NTX			YB18L-A
350 GTS			YB18L-A
400 GTS			YB18L-A
450			YB18L-A
500 alle Modelle/all models		520 12	Y50-N18L-A
600 alle Modelle/all models		520 12	Y50-N18L-A
650 Nevada		520 12	Y50-N18L-A
650 Nevada N.T		AGM PRO 530 01	ETX 30L
650 NTX			YB18L-A
650 V65		AGM PRO 530 01	ETX 30L
650 V65 Custom			YB18L-A
750		AGM PRO 530 01	ETX 30L
750 Nevada, Club			YB18L-A
750 NTX, V75			YB18L-A
750 Racer, Strada, Targa, V7		AGM 512 14	YTX14-BS
850 alle Modelle/all models Le Man, T3, T4, T5		AGM PRO 530 01	ETX 30L
936 Bellagio	01.2003-12.2005	AGM 513 14	YTX15L-BS
1100 California, Special Jackal, Brevia, Griso	01.2005-12.2009	AGM 518 22	YTX20CH-BS
1100 Stone, EV	01.1994-12.2005	AGM PRO 530 01	ETX 30L
1100 Quota, Sport	01.1997-12.2000	AGM 513 14	YTX15L-BS
1100 V11 Bassa, EV	01.1998-12.2005	AGM PRO 530 01	ETX 30L
1100 V11 Le Mans, Sport	01.1999-12.2005	AGM 513 14	YTX15L-BS
1200 alle Modelle/all models	01.2009-	AGM 518 22	YTX20CH-BS
1256 MGS-01		AGM PRO 520 01	ETX 20L
1380 California, Eldorado		AGM 518 22	YTX20CH-BS
1400 Audace, MGX-21	01.2016-	AGM 518 22	YTX20CH-BS
V 50			YB18L-A
V 11 C. I./C. S.			
V 35		530 30	
Moto Morini			
125 Corsaro		007 14	B39-6
125 Country		007 14	B39-6
350 Kangaroo		012 14	6N11A-1B
350 SPK2			YB18L-A

Brand Model designation	Year of manufacture	Banner type	First fitting designation
500 Camel		012 14	6N11A-1B
500 Excalibur			YB18L-A
500 S, -Turbo			YB18L-A
501			YB18L-A
Motobecane			
92 D		007 14	B39-6
124 L, LT, LT1, LT2		012 14	6N11A-1B
124 Serie/series		012 14	6N11A-1B
Booster		504 11	YB4L-B
D 353		007 14	B39-6
Hot Champ, Moped		504 11	YB4L-B
Moped		504 11	YB4L-B
SP93D, DL		007 14	B39-6
Target, Active 50, Active 80		504 11	YB4L-B
Motor Jikov			
50 Dandy		504 11	YB4L-B
125 Dandy		505 12	YB5L-B
Motorans			
250 Strada		512 11	YB12A-A
350 Forsa		520 12	Y50-N18L-A
350 Vento		512 11	YB12A-A
500 Desmo		514 11	YB14L-A2
500 Twin		520 12	Y50-N18L-A
Motron			
50 alle Modelle/all models		504 11	YB4L-B
MV Agusta			
125 GT 125		506 11	12N5,5-3B
125 Serie/series		012 14	6N11A-1B
350 GT 350		506 11	12N5,5-3B
675 F3, Brutale		GEL 509 01	GTZ10-4
750 Aviamento, GT, F4, Serie Oro		AGM PRO 530 01	ETX 30L
750 F4 Brutale	01.2000-12.2008	GEL 509 01	GTZ10-4
750 GT 750 S, -SS		AGM PRO 530 01	ETX 30L
800 Brutale		GEL 509 01	GTZ10-4
800 S, -SS		AGM PRO 530 01	ETX 30L
900 GT 900 S		AGM PRO 530 01	ETX 30L
910 Brutale		GEL 509 01	GTZ10-4
1000 F4 S/1+1, GT 1000	01.1989-12.2004	AGM PRO 530 01	ETX 30L
1000 F4 S/1+1, GT 1000, Brutale	01.2005-	GEL 509 01	GTZ10-4
1100 GT 1100		AGM PRO 530 01	ETX 30L
MZ/MUZ			
125 ES, TS, ETS		012 14	6N11A-1B
125 ETZ		509 14	YB9-B
125 Saxon Roadster		505 12	YB5L-B
150 ES, TS, ETS		012 14	6N11A-1B
150 ETZ		509 14	YB9-B
250 ETZ		509 14	YB9-B
250 TS, ETS		012 14	6N11A-1B
251 Saxton Tour, Saxon Fun		505 12	YB5L-B
301 ETZ		505 12	YB5L-B
301 Saxon Tour, Saxon Fun		505 12	YB5L-B
350 Navigator		012 14	6N11A-1B
500 Country, Tour, Silverstar Classic		514 11	YB14L-A2
500 Green Star, Red Star		514 11	YB14L-A2
500 Mastiff, Baghira			
500 Silverstar Gespann, Saxon Country		514 11	YB14L-A2
500 Skorpion Replica		514 11	YB14L-A2
660 alle Modelle/all models		509 14	YB9-B
1000 S			
Norton			
350 Navigator		507 14	YB7C-A
750 Ranger		509 14	YB9-B
850 Commando		514 11	YB14L-A2
Ossa			
250 Copa		007 14	B39-6
500 Yankee		514 11	YB14L-A2
Ozbike			
alle Modelle/all models		GEL 506 21	GT7-3
Panda Motor Sports			
36 Com-ute			6N4-2A
50 Com-ute			6N4-2A
50 Cub		AGM 503 14	YTX4L-BS
50 Fun Rider			6N2-2A

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Brand Model designation	Year of manufacture	Banner type	First fitting designation
50 Retro		507 13	YB7-A
70 Trail Rider		AGM 503 14	YTX4L-B5
Panther			
589		013 14	B38-6A
645 120		013 14	B38-6A
1000		013 14	B38-6A
Peugeot			
25 alle Modelle/all models		504 11	YB4L-B
50 alle Modelle/all models		504 11	YB4L-B
80 alle Modelle/all models		505 12	YB5L-B
100 alle Modelle/all models		GEL 506 21	GT7-3
125 alle Modelle/all models		505 12	YB5L-B
150 alle Modelle/all models		512 11	YB12A-A
200 alle Modelle/all models		509 14	YB9-B
250 ST, SV		AGM 510 12	YTX12-B5
250 Geopolis, Satelis		512 13	YB12AL-A2
400 Satelis		AGM 510 12	YTX12-B5
500 Satelis		AGM 510 12	YTX12-B5
PGO			
50 Comet, Galaxy, Big Max, Ultima		AGM 503 14	YTX4L-B5
50 Start		504 11	YB4L-B
80 Star, Big Max		AGM 503 14	YTX4L-B5
90 alle Modelle/all models		AGM 503 14	YTX4L-B5
125 T-Rex		AGM 503 14	YTX4L-B5
125 Ultima		AGM 503 14	YTX4L-B5
150 4T T-Rex		AGM 503 14	YTX4L-B5
eWave 2 x 1,2 kW			
Polaris Victory			
alle Modelle/all models		AGM PRO 520 01	ETX 20L
Puch			
50 Lido, Typhoon, Storm, NRG		504 11	YB4L-B
50 M, MS, Cobra		007 14	B39-6
50 Monza GSL; GT; GTL, Jet		007 14	B39-6
80 Cobra, GT, Monza		007 14	B39-6
80 Lido, SE		505 12	YB5L-B
125 Lido CD, Typhoon		507 13	YB7-A
175 SV- SVS		008 11	B49-6
250 SG, -SGS		008 11	B49-6
Rizzato			
50 alle Modelle/all models		504 11	YB4L-B
Royal-Enfield			
250 Turbo Twin		007 14	B39-6
350 alle Modelle/all models (E-Start)	01.2000-12.2003	514 11	YB14L-A2
350 alle Modelle/all models (Kick-Start)	01.1995-12.1999	507 13	YB7-A
350 alle Modelle/all models (Kick-Start)	01.2000-12.2003	505 12	YB5L-B
500 alle Modelle/all models (E-Start)	01.2000-12.2003	514 11	YB14L-A2
500 alle Modelle/all models (Kick-Start)	01.1995-12.1999	507 13	YB7-A
500 alle Modelle/all models (Kick-Start)	01.2000-12.2003	505 12	YB5L-B
750 Interceptor		507 13	YB7-A
Sachs			
50 City CV			6YB8L-B
50 Reggae, Splinter		504 11	YB4L-B
50 SR Samba, Fox, Gipsy, Limbo		504 11	YB4L-B
80 City CV, -E			6N11-2D
80 SR		505 12	YB5L-B
125 Kat		505 12	YB5L-B
125 Sachs Scooter			6YB8L-B
125 Ultra 6-Gang		509 14	YB9-B
125 ZZ		506 11	12N5,5-3B
600 Roadster			
800 Roadster V2			
1000 Beast			
Sanglas			
400 Y		512 11	YB12A-A
500 S2-V5		514 11	YB14L-A2
Sanyang			
50 alle Modelle/all models		AGM 503 14	YTX4L-B5
125 Duke		AGM 506 15	YTX7A-B5
125 Husky, Super Duke		AGM 506 14	YTX7L-B5
150 alle Modelle/all models		AGM 506 15	YTX7A-B5
Simson			
S 50		012 14	6N11A-1B
S 50 B, C, E, N		012 14	6N11A-1B

Brand Model designation	Year of manufacture	Banner type	First fitting designation
S 51		012 14	6N11A-1B
S 51/1m B		506 11	12N5,5-3B
S 51/1m C		506 11	12N5,5-3B
S 51/1m E		506 11	12N5,5-3B
S 53		506 11	12N5,5-3B
S 70, C, E		012 11	6N11A-3A
S 70/1, E		506 11	12N5,5-3B
S 83, B, CX, E, OR		506 11	12N5,5-3B
SR 50 N		012 11	6N11A-3A
SR 50, B		012 11	6N11A-3A
SR 50, CC, CCE, XC, XG		505 12	YB5L-B
SR 50/1, B, C, CC, XC, XG		506 11	12N5,5-3B
SR 80, CC, CCE		505 12	YB5L-B
SR 80/1		506 11	12N5,5-3B
SR 80/1 B		506 11	12N5,5-3B
SR 80/1 C, CC, XC, XG		506 11	12N5,5-3B
Skyliner			
Scooter		507 14	YB7C-A
Stinger			
Orca		AGM 503 14	YTX4L-B5
Suzuki			
50 A ZZS		AGM 503 14	YTX4L-B5
50 A, KM			6N4-2A
50 AD, Address, AE, M, AG T, AH, AJ, AP AY, AZ, CP		AGM 503 14	YTX4L-B5
50 CP CH, CS		504 11	YB4L-B
50 FA, Shuttle			6N4-2A
50 FB, M		AGM 503 14	YTX4L-B5
50 GT		004 12	6N4B-2A
50 Katana		AGM 503 14	YTX4L-B5
50 OR		004 12	6N4B-2A
50 RB		004 12	6N4B-2A
50 RC		AGM 503 14	YTX4L-B5
50 RG		504 11	YB4L-B
50 RV		004 12	6N4B-2A
50 Sephia		AGM 503 14	YTX4L-B5
50 TR S, Street Magic			YTX4L-B5
50 TS			6N4-2A
50 TS XK		504 11	YB4L-B
50 Tune		AGM 503 14	YTX4L-B5
50 UR (Velde)			YTX4L-B5
50 UX W		AGM 503 14	YTX4L-B5
50 YR			YTX4L-B5
50 Zillion		AGM 503 14	YTX4L-B5
50 ZR, K, KE		004 12	6N4B-2A
50 ZZ		AGM 503 14	YTX4L-B5
80 A			6N4-2A
80 CP		505 12	YB5L-B
80 DG		504 11	YB4L-B
80 FB D		GEL 506 21	GT7-3
80 FB, M		AGM 503 14	YTX4L-B5
80 FR		AGM 503 14	YTX4L-B5
80 GT E; EX; L; LX		004 12	6N4B-2A
80 RG, C		504 11	YB4L-B
80 TS ER			6N4B-2A
80 TS X		504 11	YB4L-B
90 A100, Go-Fer			6N4-2A
90 CS G		505 12	YB5L-B
90 FB		AGM 503 14	YTX4L-B5
90 RV			6N4-2A
90 TC			6N4-2A
90 TC J, R			6N2-2A
90 TS			6N4-2A
100 AG		GEL 506 21	GT7-3
100 AH Address		GEL 506 21	GT7-3
100 AX			6N4-2A
100 B P			6N4-2A
100 FB		505 12	YB5L-B
100 GP V			6N4-2A
100 GT, SP		004 12	6N4B-2A
100 TC Blazer, Honcho			6N4-2A
105 B P			6N4-2A
110 alle Modelle/all models		GEL 506 21	GT7-3



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Brand Model designation	Year of manufacture	Banner type	First fitting designation
125 AN		AGM 506 15	YTX7A-BS
125 Burgman		AGM PRO 509 01	ETX 9
125 CS		507 13	YB7-A
125 DN		507 13	YB7-A
125 DR R, S		504 11	YB4L-B
125 DR SE		AGM 506 15	YTX7A-BS
125 DR SZ			6N4-2A
125 DZ		AGM 506 14	YTX7L-BS
125 Epicuro		AGM 506 15	YTX7A-BS
125 GN, -Z		507 13	YB7-A
125 GP			6N4-2A
125 GS		507 13	YB7-A
125 GT		505 12	YB5L-B
125 GZ Marauder		AGM 506 14	YTX7L-BS
125 K		511 13	YB10L-B
125 PG Gamma		GEL 506 21	GT7-3
125 RA X, RG		504 11	YB4L-B
125 RV			6N4-2A
125 RV SE, R, Tracker		GEL 506 21	GT7-3
125 SP		004 12	6N4B-2A
125 SP			6N4-2A
125 TC Prospector, TF		004 12	6N4B-2A
125 TS Duster, ER		004 12	6N4B-2A
125 TS R, SZ		AGM 503 14	YTX4L-BS
125 TS, ERT			6N4-2A
125 VL Intruder LC		AGM 506 14	YTX7L-BS
150 AN		AGM 506 15	YTX7A-BS
150 Burgman		AGM PRO 509 01	ETX 9
150 UC Epicuro		AGM 506 15	YTX7A-BS
185 TC Suerra			6N4-2A
185 TF, TS ER		004 12	6N4B-2A
200 B		507 13	YB7-A
200 Big Boy		511 12	YB10L-A2
200 DR SE		AGM 506 14	YTX7L-BS
200 GT N, EN		507 13	YB7-A
200 RV		AGM 506 14	YTX7L-BS
200 SP		504 11	YB4L-B
200 T		505 12	YB5L-B
200 TS R, RM		AGM 503 14	YTX4L-BS
250 AN Burgmann		AGM 506 15	YTX7A-BS
250 DR		GEL 506 21	GT7-3
250 DR S		504 11	YB4L-B
250 DR S (Europe)		AGM 506 14	YTX7L-BS
250 DR Z		GEL 506 21	GT7-3
250 Glass Stocker, GN, GNX E, GS T		511 12	YB10L-A2
250 GSF		AGM 506 15	YTX7A-BS
250 GSX ES			YB12B-B2
250 GSX F.S		AGM 506 15	YTX7A-BS
250 GSX, ET		511 12	YB10L-A2
250 GT		505 12	YB5L-B
250 GT ET		511 12	YB10L-A2
250 GZ Marauder		AGM 506 14	YTX7L-BS
250 RG		505 12	YB5L-B
250 RGV		AGM 503 14	YTX4L-BS
250 SP		504 11	YB4L-B
250 T		505 12	YB5L-B
250 TS			6N2-2A
250 TS Savage		004 12	6N4B-2A
250 TS X		504 11	YB4L-B
250 TU X		511 12	YB10L-A2
250 VL		AGM 506 14	YTX7L-BS
250 Volty		511 12	YB10L-A2
250 X 7		505 12	YB5L-B
300 GS L			YB12B-B2
350 DR SE	01.1994-	AGM 506 14	YTX7L-BS
350 DR S		AGM 503 14	YTX4L-BS
350 DR S, SH		AGM 503 14	YTX4L-BS
350 DR SE		AGM 506 14	YTX7L-BS
350 T J, R		505 12	YB5L-B
350 T-1, -2		505 12	YB5L-B
370 SP		004 12	6N4B-2A
380 GT		507 13	YB7-A
400 AN Burgmann		AGM PRO 509 01	ETX 9

Brand Model designation	Year of manufacture	Banner type	First fitting designation
400 DR S		004 12	6N4B-2A
400 DRZ E, S		GEL 506 01	GT7B-4
400 GN, L, T, TD, X		004 12	6N4B-2A
400 GS X		507 13	YB7-A
400 GS, E, GSF		AGM PRO 509 01	ETX 9
400 GSF M		AGM PRO 509 01	ETX 9
400 GSX ED, EZ			YB12B-B2
400 GSX FS Inazuma		AGM 506 15	YTX7A-BS
400 GSX T, S, ES		511 12	YB10L-A2
400 GSX X		511 13	YB10L-B
400 GSX-R, RF		AGM PRO 509 01	ETX 9
400 SP		004 12	6N4B-2A
400 SV S		AGM PRO 509 01	ETX 9
400 TS T		511 12	YB10L-A2
400 TS, Apache		505 12	YB5L-B
400 VZ		AGM 506 15	YTX7A-BS
425 GS		511 12	YB10L-A2
450 GS E, GA, L			YB12B-B2
450 GS E, S, T, TU, TX		511 12	YB10L-A2
500 DR S		504 11	YB4L-B
500 DR S	01.1986-	505 12	YB5L-B
500 GS E (2-cyl.)	01.1989-	511 13	YB10L-B
500 GS E, EU		511 13	YB10L-B
500 GS EN		511 13	YB10L-B
500 GS F		511 13	YB10L-B
500 GS L		511 12	YB10L-A2
500 GSX EF, ES		511 13	YB10L-B
500 GT		507 13	YB7-A
500 GT B		511 12	YB10L-A2
500 GT Titan		507 13	YB7-A
500 RG		GEL 506 21	GT7-3
500 SP		504 11	YB4L-B
500 T Titan		507 13	YB7-A
550 GS, D, E, EG, L, M, T		511 12	YB10L-A2
550 GSX E, L, ES, EF, EV		511 13	YB10L-B
550 GT J, K, L, M		511 12	YB10L-A2
600 Bandit		AGM PRO 509 01	ETX 9
600 DR R, RU, S, SU		505 12	YB5L-B
600 GSF F Bandit		AGM PRO 509 01	ETX 9
600 GSF S	01.1997-	AGM PRO 509 01	ETX 9
600 GSX F	-1990	511 13	YB10L-B
600 GSX F Katana	01.1997-	AGM PRO 509 01	ETX 9
600 GSX-R		AGM PRO 509 01	ETX 9
600 RF R	01.1997-	AGM PRO 509 01	ETX 9
600 SP6600		505 12	YB5L-B
600 VS GLS		AGM PRO 509 01	ETX 9
600 VS Intruder		516 15	YB16B-A1
650 AN, Burgman		AGM PRO 514 01	ETX 14
650 DL V Storm		AGM 510 12	YTX12-BS
650 DR R		511 13	YB10L-B
650 DR R SP44A		AGM 503 14	YTX4L-BS
650 DR RE, REU		AGM 510 12	YTX12-BS
650 DR RER SP45A		AGM 510 12	YTX12-BS
650 DR RS SP41/42A		511 13	YB10L-B
650 DR RS, RSU		505 12	YB5L-B
650 DR RSE SP43A		AGM PRO 514 01	ETX 14
650 DR RSE, RSEU		AGM PRO 514 01	ETX 14
650 DR RU		505 12	YB5L-B
650 DR SE SP46A		AGM PRO 509 01	ETX 9
650 DR SE, SEU		AGM PRO 509 01	ETX 9
650 DR SES		AGM 510 12	YTX12-BS
650 GR		514 11	YB14L-A2
650 GS EX		511 12	YB10L-A2
650 GS GT		514 11	YB14L-A2
650 GSX F		AGM PRO 509 01	ETX 9
650 LS, Savage		514 13	YB14L-B2
650 SFV Gladius		GEL 510 21	GT12A-4
650 SV, A, SA, S		GEL 510 21	GT12A-4
650 XF Freewind		AGM PRO 509 01	ETX 9
650 XN85 Turbo		514 11	YB14L-A2
700 GS E, ES, GV, GL		514 11	YB14L-A2
700 VS GL Intruder		516 15	YB16B-A1
750 DR Big		514 13	YB14L-B2

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Brand Model designation	Year of manufacture	Banner type	First fitting designation
750 DR S, SU Big		514 11	YB14L-A2
750 GS, GSX E, ES, ET		514 11	YB14L-A2
750 GSR ABS	01.2013-	AGM PRO 509 01	ETX 9
750 GSX F Katana	01.1989-12.1997	514 13	YB14L-B2
750 GSX F Katana	01.1998-	AGM PRO 509 01	ETX 9
750 GSX R	-1992	514 11	YB14L-A2
750 GSX R	01.1992-12.1995	AGM 510 12	YTX12-B5
750 GSX-R T	01.1996-12.1999	AGM PRO 509 01	ETX 9
750 GSX-R T	01.2000-	GEL 510 21	GT12A-4
750 GT, K, LL T		514 11	YB14L-A2
750 VS GL, GLP, Intruder		516 15	YB16B-A1
800 DR Big	01.1992-	AGM PRO 514 01	ETX 14
800 DR S, SU Big		AGM PRO 514 01	ETX 14
800 DR SM	01.1991-	514 13	YB14L-B2
800 DR ST		514 11	YB14L-B2
800 VL Intruder, Volusia		AGM 510 12	YTX12-B5
800 VS GLP		516 15	YB16B-A1
800 VS Intruder	01.1996-	516 15	YB16B-A1
800 VX		516 15	YB16B-A1
800 VZ Marauder		AGM 510 12	YTX12-B5
850 GS G, GL		514 11	YB14L-A2
900 RF R/RS 2		AGM PRO 509 01	ETX 9
1000 DL V Storm		AGM PRO 514 01	ETX 14
1000 GS, G, L, S		514 11	YB14L-A2
1000 GSX-R, TL, R, S	01.2001-12.2004	AGM 510 12	YTX12-B5
1000 GSX-R, TL, R, S	01.2005-	GEL 510 21	GT12A-4
1100 GS E, ES		514 13	YB14L-B2
1100 GS G		AGM PRO 514 01	ETX 14
1100 GS G Katana		514 11	YB14L-A2
1100 GSF Bandit	01.1993-	AGM 510 12	YTX12-B5
1100 GSX E, ED, EF, EZ		514 11	YB14L-A2
1100 GSX F, FJ		514 13	YB14L-B2
1100 GSX G		AGM PRO 514 01	ETX 14
1100 GSX Katana, L		514 11	YB14L-A2
1100 GSX RW	01.1993-	AGM 510 12	YTX12-B5
1100 GSX SZ		514 13	YB14L-B2
1150 GSE, S		514 13	YB14L-B2
1200 GS SS, GSF, S, A Bandit		AGM 510 12	YTX12-B5
1200 GSX		AGM 510 12	YTX12-B5
1200 GSX R Hayabusa	01.1993-	GEL 510 21	GT12A-4
1200 GV GL Marauder		514 13	YB14L-B2
1250 GSF, A Bandit		GEL 510 21	GT12A-4
1300 GSX-R, Hayabusa	01.1999-12.2007	GEL 510 21	GT12A-4
1300 GSX-R B-King, Hayabusa	01.2008-	AGM 510 12	YTX12-B5
1400 GSX		AGM PRO 514 01	ETX 14
1400 GV		520 12	Y50-N18-L-A
1400 VS GLF, GLP, Intruder	01.1987-	AGM 518 22	YTX20CH-B5
1400 VS Intruder	01.1987-	514 11	YB14L-A2
1500 VL, VL LC Intruder	01.1987-	AGM 518 22	YTX20CH-B5
1500 VZ		AGM 518 22	YTX20CH-B5
1600 Marauder, Boulevard M95		AGM 518 22	YTX20CH-B5
1800 VLR, VZR	01.2006-	AGM 518 22	YTX20CH-B5
XN 85 Turbo		514 11	YB14L-A2
Sym (Sanyang)			
50 Big Wheel, Fancy, Super Fancy, Jet		AGM 503 14	YTX4L-B5
50 DD	01.2009-	AGM 503 14	YTX4L-B5
50 Fiddlell, Mio, SYMply		AGM 506 15	YTX7A-B5
50 Jet Euro		GEL 506 21	GT7-3
50 Mio	01.2009-	GEL 506 21	GT7-3
50 RS		AGM 503 14	YTX4L-B5
125 Duke, Husky, Super Duke		AGM 506 14	YTX7L-B5
125 Fiddlell		AGM 506 15	YTX7A-B5
125 HD		AGM PRO 509 01	ETX 9
200 HD	01.2009-	AGM PRO 509 01	ETX 9
250 RV		AGM 510 12	YTX12-B5
TGB			
50 Akros, Ergon		AGM 503 14	YTX4L-B5
50 Bunny AS X		504 11	YB4L-B
Tomos			
Quadro E-Start, Revival		504 11	YB4L-B
Triumph			
120 Bonneville		507 14	YB7C-A
150 alle Modelle/all models		514 11	YB14L-A2

Brand Model designation	Year of manufacture	Banner type	First fitting designation
173 Tigress		012 14	6N11A-1B
200 Tiger		012 14	6N11A-1B
250 alle Modelle/all models		012 14	6N11A-1B
350 (12V)		007 14	B39-6
350 (6V)		012 14	6N11A-1B
350 3TA, Twenty One		013 14	B38-6A
500 (12V)		007 14	B39-6
500 5TA, TR5A/R		012 14	6N11A-1B
600 (12V)		007 14	B39-6
600 Daytona		AGM PRO 509 01	ETX 9
600 TT600		AGM 510 12	YTX12-B5
650 XVS Drag Star		AGM 506 15	YTX7A-B5
675 Daytona		GEL 506 01	GT7B-4
675 Street Triple		AGM PRO 509 01	ETX 9
750 alle Modelle/all models		514 11	YB14L-A2
800 alle Modelle/all models		GEL 510 01	GT12B-4
885 alle Modelle/all models		514 11	YB14L-A2
865 alle Modelle/all models		GEL 510 01	GT12B-4
900 alle Modelle/all models		AGM PRO 514 01	ETX 14
955 alle Modelle/all models		AGM PRO 514 01	ETX 14
956 alle Modelle/all models		514 11	YB14L-A2
995 alle Modelle/all models		AGM PRO 514 01	ETX 14
1000 alle Modelle/all models		514 11	YB14L-A2
1050 alle Modelle/all models		GEL 510 01	GT12B-4
1200 Trophy		AGM PRO 514 01	ETX 14
1200 alle anderen Modelle/ all other models		514 11	YB14L-A2
1600 Thunderbird		AGM PRO 520 01	ETX 20L
2300 Rocket 3		AGM PRO 520 01	ETX 20L
6T T20B		007 14	6N11A-1B
Victory			
alle Modelle/all models		AGM PRO 520 01	ETX 20L
Velocette			
350		013 14	B38-6A
500		013 14	B38-6A
Early Venon		013 14	B38-6A
Le Voque (12 V)		007 14	B39-6
Thruxton		013 14	B38-6A
Viper		013 14	B38-6A
Vespa-Gilera			
50 Cobra		504 11	YB4L-B
50 RC, SP		504 11	YB4L-B
50 Tubone		504 11	YB4L-B
80 TG 2		012 11	6N11A-3A
80 TG 3		012 11	6N11A-3A
125 Runner		AGM PRO 514 01	ETX 14
125 RC Rally		506 11	12N5,5-3B
125 TG 1		012 11	6N11A-3A
150 Strada		012 11	6N11A-3A
200 Runner		AGM 510 12	YTX12-B5
200 RV		506 11	12N5,5-3B
200 RX Enduro		506 11	12N5,5-3B
300 Nexus		AGM PRO 514 01	ETX 14
350, 500 Itoh		514 11	YB14L-A2
500 Nexus		514 11	YB14L-A2
500 Fuoco		AGM PRO 514 01	ETX 14
1300 Stalker ZAPC		504 11	YB4L-B
600 RC		506 11	12N5,5-3B
Arizona		506 11	12N5,5-3B
Cobra		509 14	YB9-B
Cobra Offroad		506 11	12N5,5-3B
CX		509 14	YB9-B
MX 1		509 14	YB9-B
MXR		509 14	YB9-B
R 2		509 14	YB9-B
SPO 1		509 14	YB9-B
SPO 2		509 14	YB9-B
XR 1		509 14	YB9-B
XR 2		509 14	YB9-B
Vespa-Piaggio			
50 alle anderen Modelle/ all other models		504 11	YB4L-B
50 APE FL		509 14	YB9-B



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Brand Model designation	Year of manufacture	Banner type	First fitting designation
50 FLY		509 14	YB9-B
50 Liberty	01.2016-	AGM 506 14	YTX7L-BS
50 LX		509 14	YB9-B
50 PK S E-Starter		507 13	YB7-A
50 PX		507 13	YB7-A
50 Typhoon		509 14	YB9-B
80 Cosa		509 14	YB9-B
80 Free		504 11	YB4L-B
80 NRG		504 11	YB4L-B
80 NTT		504 11	YB4L-B
80 P		506 11	12N5,5-3B
80 PK		507 13	YB7-A
80 PX E		509 14	YB9-B
80 Quartz		504 11	YB4L-B
80 Sfera		504 11	YB4L-B
80 TPH		507 13	YB7-A
80 Zip		504 11	YB4L-B
125 Cosa		509 14	YB9-B
125 ET 4		509 14	YB9-B
125 GT, GTS		509 14	YB9-B
125 P E		506 11	12N5,5-3B
125 P X		506 11	12N5,5-3B
125 PK S		507 13	YB7-A
125 PK XL		507 13	YB7-A
125 PX		509 14	YB9-B
125 PX T5		509 14	YB9-B
125 Sfera		507 13	YB7-A
125 Skipper		507 13	YB7-A
125 SKR		507 13	YB7-A
150 Cosa, Fly		509 14	YB9-B
150 EX		507 13	YB7-A
150 LX		509 14	YB9-B
150 LX 4T		AGM 510 12	YTX12-BS
150 P PX		506 11	12N5,5-3B
150 P X		506 11	12N5,5-3B
150 PE ARC		509 14	YB9-B
150 PX E		509 14	YB9-B
150 PX E		506 11	12N5,5-3B
150 SKR		507 13	YB7-A
200 Cosa		509 14	YB9-B
200 L Granturismo		511 13	YB10L-B
200 P E		506 11	12N5,5-3B
200 PX		506 11	12N5,5-3B
200 PX ARC		509 14	YB9-B
200 PX E		506 11	12N5,5-3B
200 PX E		509 14	YB9-B
200 PX GS		509 14	YB9-B
250 BV		AGM PRO 514 01	ETX 14
250 GTS, GTV		AGM PRO 514 01	ETX 14
250 Hexagon	-1998	509 14	YB9-B
250 Hexagon	01.1999-	511 13	YB10L-B
250 MP3		AGM PRO 514 01	ETX 14
250 NGR		506 11	12N5,5-3B
300 GTS		AGM PRO 514 01	ETX 14
350 Dakota		506 11	12N5,5-3B
400 MP3		AGM PRO 514 01	ETX 14
460 X9		AGM PRO 514 01	ETX 14
500 BV, MP3		AGM PRO 514 01	ETX 14
CAR		530 30	
MP, MPR		530 30	
P 602		530 30	
Victory			
alle Modelle/all models		AGM PRO 520 01	ETX 20L
Winking			
50 Aero X, Bunny AT, -AS, -AX		504 11	YB4L-B
Xingfu			
125 XF Hunter		505 12	YB5L-B
Yamaha			
50 Axis		AGM 503 14	YTX4L-BS
50 Beluga		504 11	YB4L-B
50 Bop, Breeze			6N4-2A
50 BW's		504 11	YB4L-B
50 CA, E Riva			6YB8L-B

Brand Model designation	Year of manufacture	Banner type	First fitting designation
50 CE S Riva, CG		504 11	YB4L-B
50 Chappy			6N4-2A
50 CR, CTS/SS		504 11	YB4L-B
50 CV			6YB8L-B
50 CW Zuma		504 11	YB4L-B
50 CY		AGM 503 14	YTX4L-BS
50 DT		004 12	6N4B-2A
50 DT M			6N4A-4D
50 DT MX		004 12	6N4B-2A
50 DT R		503 12	YB3L-A
50 FS 1			6N4A-4D
50 GT			6N4-2A
50 Jog Z			YT4B-BS
50 LB P, LB2, LB3, P Champ			6N4-2A
50 Max		504 11	YB4L-B
50 MJ Towny			6N4-2A
50 NEO S, NG, Original		504 11	YB4L-B
50 QT Yamahopper			6N4-2A
50 R		504 11	YB4L-B
50 RD	01.1981-	004 12	6N4B-2A
50 RD M		004 12	6N4B-2A
50 RX			6N4-2A
50 Sachs Roller, Salient			6YB8L-B
50 SH, Slider, Spy		504 11	YB4L-B
50 Sting SG (Mofa)			6N4-2A
50 STS/SS, Target		504 11	YB4L-B
50 TRZ, TTR E			YT4B-BS
50 TY M			6N4A-4D
50 VOX		GEL 506 21	GT7-3
50 Why		504 11	YB4L-B
50 TTR E		GEL 503 01	GTR4A-5
50 XC		GEL 506 21	GT7-3
50 XF, XFW		GEL 506 21	GT7-3
50 YA		AGM 503 14	YTX4L-BS
50 YB			YT4B-BS
50 YE Zest		504 11	YB4L-B
50 YJ R Vino/Vino Classic		AGM 503 14	YTX4L-BS
50 YM Breeze		504 11	YB4L-B
50 YW A Zuma		GEL 506 21	GT7-3
50 YZ, D, ZS			YT4B-BS
60 alle Modelle/all models			6N2-2A
65 alle Modelle/all models		504 11	YB4L-B
80 CV Beluga, Riva			6N11-2D
80 DT Mini Enduro, MX, MXS			6N4-2A
80 DTLC, LC		503 13	YB3L-B
80 FS 1DX, SD			6N4A-4D
80 G6S, G6SB, G7S			6N4A-4D
80 GT Mini Enduro, GT1			6N4-2A
80 LB Chappy, -2A			6N4-2A
80 RD LC		503 13	YB3L-B
80 RD MX		004 12	6N4B-2A
80 RX SE			6N4-2A
80 SV		507 14	YB7C-A
80 TZR, D		AGM 503 14	YTX4L-BS
80 V, D			6N4-2A
80 YE Zesyt		504 11	YB4L-B
80 YG5T, YG5S		507 14	YB7C-A
80 YSR, B, D			6N4-2A
90 BW's 100		GEL 506 21	GT7-3
90 CR		504 11	YB4L-B
90 HS1, HS1B		506 11	12N5,5-3B
90 HT1, HT1B Enduro			6N2-2A
90 YA		AGM 503 14	YTX4L-BS
100 Aerox		AGM 503 14	YTX4L-BS
100 AG E			6N4-2A
100 BW's		GEL 506 21	GT7-3
100 DT Enduro		004 12	6N4B-2A
100 L5T, L5TA		507 14	YB7C-A
100 LS2			12N5,5A-3B
100 LT2, LT3 Enduro		004 12	6N4B-2A
100 NEO S		AGM 503 14	YTX4L-BS
100 RS			6N4A-4D
100 RS DX			6N4-2A

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100 RS T, RXZ S			6N4A-4D
100 V, V E		503 13	YB3L-B
100 YL2C/CM		507 14	YB7C-A
100 YQ		AGM 503 14	YTX4L-B5
100 YT (Taiwan)		GEL 506 21	GT7-3
110 alle Modelle/all models		505 12	YB5L-B
115 alle Modelle/all models			6N4-2A
125 AS2C		506 11	12N5,5-3B
125 AT2, AT3 Enduro		507 14	YB7C-A
125 BL 125		507 14	YB7C-A
125 DT		004 12	6N4B-2A
125 DT 125 R		503 13	YB3L-B
125 DT E		507 14	YB7C-A
125 DT LC		503 13	YB3L-B
125 DT LC 10V			6N6-3B-1
125 DT LC 35E		503 13	YB3L-B
125 DT MX		004 12	6N4B-2A
125 DT R4 DK		503 13	YB3L-B
125 DT RE			12N5,5-4B
125 RD		506 11	12N5,5-3B
125 RD LC		505 12	YB5L-B
125 RS		511 13	YB10L-B
125 RX		004 12	6N4B-2A
125 SR		507 14	YB7C-A
125 TDR	01.1993-	GEL 506 21	GT7-3
125 TW		507 14	YB7C-A
125 TTR		AGM 503 14	YTX4L-B5
125 TZR	01.1993-	505 12	YB5L-B
125 V-Ixion	01.2013-	AGM 503 14	YTX4L-B5
125 XC		507 14	YB7C-A
125 XC Beluga (Roller)		507 14	YB7C-A
125 XC Cygnus (Roller)		AGM 506 15	YTX7A-B5
125 XC T Cygnus		AGM 506 15	YTX7A-B5
125 XT			6N4A-4D
125 XV		511 12	YB10L-A2
125 XV, S Virago		505 12	YB5L-B
125 YAS1/C			12N5,5A-3B
125 YJ		AGM 506 15	YTX7A-B5
125 Zuma	01.2009-	GEL 506 01	GT7B-4
150 RX		503 13	YB3L-B
150 SR		507 14	YB7C-A
150 Xabre	01.2016-	AGM 503 14	YTX4L-B5
150 XC Fly One R		AGM 506 15	YTX7A-B5
175 DT Enduro		004 12	6N4B-2A
175 DT Enduro			6N6-3B-1
180 RT G			6N6-3B-1
180 XC Cygnus		511 12	YB10L-A2
180 XC Cygnus (Roller)			6N11-2D
180 XC, D, Z Riva		511 13	YB10L-B
185 alle Modelle/all models			YB7L-B
200 AGE, G		004 12	6N4B-2A
200 BW		507 14	YB7C-A
200 CS3B, CS3C			YB9L-A2
200 CS5			YB9L-A2
200 DTRE		503 13	YB3L-B
200 RD, DX		509 14	YB9-B
200 TW		507 14	YB7C-A
200 XC, Z Riva		511 13	YB10L-B
200 XT			6N4A-4D
200 YCS1			YB9L-A2
225 XT Serow	01.1992-12.2000	AGM 506 14	YTX7L-B5
225 XT	01.2001-	GEL 506 21	GT7-3
230 TTR E		GEL 506 21	GT7-3
250 DT Enduro		004 12	6N4B-2A
250 DT MX			6N6-3B-1
250 DT3 Enduro			6N4-2A
250 Majesty		AGM 506 14	YTX7L-B5
250 Maxam		GEL 509 01	GTZ10-4
250 Morphous		GEL 509 01	GTZ10-4
250 MT-25	01.2015-	GEL 509 01	GTZ10-4
250 RD			12N5,5A-3B
250 RDLC			12N5,5A-3B
250 SR		512 11	YB12A-A

Brand Model designation	Year of manufacture	Banner type	First fitting designation
250 SR, E, SE		512 11	YB12A-A
250 SRV, G		AGM 506 15	YTX7A-B5
250 SRX		512 11	YB12A-A
250 TDR		505 12	YB5L-B
250 Tricker		GEL 506 21	GT7-3
250 TT R		GEL 506 01	GT7B-4
250 TZR		505 12	YB5L-B
250 WR F, X, R		GEL 506 21	GT7-3
250 XS		512 11	YB12A-A
250 XT	01.1984-12.2007	503 13	YB3L-B
250 XT	01.2008-	GEL 506 21	GT7-3
250 XV		511 12	YB10L-A2
300 VP	01.2004-	AGM PRO 509 01	ETX 9
320 MT-03	01.2015-	GEL 506 21	GT7-3
321 YZF-R3	01.2015-	GEL 506 21	GT7-3
350 BW			YB12B-B2
350 BWE		507 14	YB7C-A
350 R3		505 12	YB5L-B
350 RD			12N5,5A-3B
350 RD F	01.1986-	505 12	YB5L-B
350 RD R5			12N5,5A-3B
350 RDLC, LCF		505 12	YB5L-B
350 RZ		506 11	12N5,5-3B
350 TT, TTE			6N2-2A
350 XT		503 13	YB3L-B
350 YR2/C		506 11	12N5,5-3B
360 XS		512 11	YB12A-A
400 FZR		512 13	YB12AL-A2
400 FZRRR, RRSP		AGM PRO 509 01	ETX 9
400 RD			12N5,5A-3B
400 SR			YT4B-B5
400 XJ		512 11	YB12A-A
400 XS Maxim		512 11	YB12A-A
400 XS, SE, DOHC		512 11	YB12A-A
400 XSS Heritage Special		512 11	YB12A-A
400 XV		512 13	YB12AL-A2
400 YP Majesty		AGM PRO 509 01	ETX 9
450 alle Modelle/all models		GEL 506 21	GT7-3
500 FXR, FZR		512 13	YB12AL-A2
500 RD		506 11	12N5,5-3B
500 SR			YT4B-B5
500 SR, SP		507 14	YB7C-A
500 SP T-Max	01.2009-	GEL 509 01	GTZ10-4
500 XJ		512 11	YB12A-A
500 XP (T-Max)		GEL 509 01	GTZ10-4
500 XS		514 11	YB14L-A2
500 XSE		514 11	YB14L-A2
500 XT		503 13	YB3L-B
500 XT A			6N6-3B-1
500 XT E	01.1990-	AGM PRO 509 01	ETX 9
500 XT N, T		505 12	YB5L-B
500 XT Z Tenere´		512 13	YB12AL-A2
500 XTE		AGM PRO 509 01	ETX 9
500 XV		512 13	YB12AL-A2
530 T-Max		GEL 510 21	GT12A-4
535 alle Modelle/all models		512 13	YB12AL-A2
550 XJ		512 11	YB12A-A
550 XT	01.1984-	505 12	YB5L-B
550 XZ		514 11	YB14L-A2
600 FJ, FZ		512 11	YB12A-A
600 FZ6		GEL 510 01	GT12B-4
600 FZR	01.1989-12.1993	512 13	YB12AL-A2
600 FZR R 94		AGM 510 12	YTX12-B5
600 FZRR		512 13	YB12AL-A2
600 FZS Fazer		AGM 510 12	YTX12-B5
600 FZS S		GEL 510 01	GT12B-4
600 SRX		505 12	YB5L-B
600 TT			6N2-2A
600 TTE		AGM PRO 509 01	ETX 9
600 TTS		AGM 503 14	YTX4L-B5
600 TTT, TTW			6N4-2A-7
600 XJ		512 11	YB12A-A
600 XJ Diversion	01.1992-	AGM PRO 509 01	ETX 9



MOTORCYCLES

Brand Model designation	Year of manufacture	Banner type	First fitting designation
600 XJ, H, N		512 11	YB12A-A
600 XT	01.1984-	505 12	YB5L-B
600 XT E	01.1992-	AGM PRO 509 01	ETX 9
600 XT Z Tenere	01.1986-	512 13	YB12AL-A2
600 XTE, EH, EN		AGM PRO 509 01	ETX 9
600 XTE, EH, EN, H, N, Z		505 12	YB5L-B
600 XTKH		AGM 503 14	YTX4L-BS
600 XTZ		512 13	YB12AL-A2
600 YX Radian		512 11	YB12A-A
600 YZF-R6, R7	01.2006-	GEL 509 01	GTZ10-4
600 YZF-R6, R6S	01.2001-12.2007	GEL 508 01	GT9B-4
600 YZF-R6	01.1999-12.2000	GEL 510 01	GT12B-4
600 YZF	01.1995-12.2007	AGM 510 12	YTX12-BS
650 Burgman		AGM PRO 514 01	ETX 14
650 TX		514 11	YB14L-A2
650 TX3		512 11	YB12A-A
650 X1		506 11	12N5,5-3B
650 X2		512 11	YB12A-A
650 XJ		512 11	YB12A-A
650 XJ, R, XJT Turbo		512 11	YB12A-A
650 XS, SE		514 11	YB14L-A2
650 XS-2, XSS		514 11	YB14L-A2
650 XVS DragStar, V-Star		GEL 510 01	GT12B-4
660 MT-03, SZR		AGM PRO 509 01	ETX 9
660 XT X	01.2004-	GEL 508 01	GT9B-4
700 FZ Fazer		514 11	YB14L-A2
700 FZ07	01.2015-	GEL 510 01	GT12B-4
700 XJ Maxim, XJS		514 11	YB14L-A2
700 XV C, Virago, XVSS		516 16	YB16AL-A2
750 FX		514 11	YB14L-A2
750 FZ, Genesis		514 11	YB14L-A2
750 FZR		AGM PRO 509 01	ETX 9
750 FZRRT Genesis		514 11	YB14L-A2
750 FZX		514 11	YB14L-A2
750 TX		AGM PRO 516 01	ETX 16L
750 XJ		514 11	YB14L-A2
750 XJ Seca		514 11	YB14L-A2
750 XJM Midnight Virago		514 11	YB14L-A2
750 XS, SE		514 11	YB14L-A2
750 XS-2		514 11	YB14L-A2
750 XTZ Super Tenere		514 11	YB14L-A2
750 XV SE		516 16	YB16AL-A2
750 XV Virago		516 16	YB16AL-A2
750 YZF R		AGM 510 12	YTX12-BS
750 YZF SP		AGM 510 12	YTX12-BS
750 YZF-R7		GEL 508 01	GT9B-4
800 FZ8		GEL 509 01	GTZ10-4
850 FZ-09	01.2014-	GEL 509 01	GTZ10-4
850 MT09	01.2014-	GEL 509 01	GTZ10-4
850 TDM	-1995	GEL 510 01	GT12B-4
850 TDM	01.1996-	GEL 510 01	GT12B-4
850 TRX		AGM 510 12	YTX12-BS
850 XS		514 11	YB14L-A2
900 TDM		GEL 510 01	GT12B-4
900 XJ S		AGM PRO 514 01	ETX 14
900 XJ, -F, XJR, Seca		514 11	YB14L-A2
920 alle Modelle/all models		520 12	Y50-N18L-A
950 alle Modelle/all models		GEL 512 01	GTZ14-4
1000 FZR	01.1991-	AGM PRO 514 01	ETX 14
1000 FZS 1	01.2001-12.2005	GEL 512 21	GTZ14B-4
1000 FZS 1, FZ1N	01.2006-	GEL 512 01	GTZ14-4
1000 GTS	01.1991-	AGM PRO 514 01	ETX 14
1000 XV TR1		520 12	Y50-N18L-A
1000 XV Virago		520 12	Y50-N18L-A
1000 XV, SE Midnight Sp.		520 12	Y50-N18L-A
1000 YZF, R	01.1997-12.1997	AGM PRO 514 01	ETX 14
1000 YZF R1	01.1998-12.2003	GEL 510 01	GT12B-4
1000 YZF R1	01.2004-	GEL 509 01	GTZ10-4
1100 BT		GEL 512 21	GTZ14B-4
1100 FJ	01.1991-	514 11	YB14L-A2
1100 XJ Maxim		520 11	Y50-N18L-A3
1100 XS, -S, -Virago		520 12	Y50-N18L-A

Brand Model designation	Year of manufacture	Banner type	First fitting designation
1100 XV Virago		520 11	Y50-N18L-A3
1100 XVG, GC		520 12	Y50-N18L-A
1100 XVS V-Star, Drag Star, A Drag Star		GEL 512 21	GTZ14B-4
1200 FJ	-1990	514 11	YB14L-A2
1200 FJ, A	01.1991-	AGM PRO 514 01	ETX 14
1200 VMX V-Max		516 16	YB16AL-A2
1200 XJR		AGM PRO 514 01	ETX 14
1200 XTZ, Super Tenere		GEL 510 21	GT12A-4
1200 XVZ		520 12	Y50-N18L-A
1300 FJR		GEL 512 21	GTZ14B-4
1300 Stryker	01.2009-12.2015	AGM PRO 520 01	ETX 20L
1300 XJR	01.2007-	GEL 512 01	GTZ14-4
1300 XVZ13	01.1986-12.1993	520 12	Y50-N18L-A
1300 XVS13, XVZ13	01.1996-	AGM PRO 520 01	ETX 20L
1600 XV Road Star		AGM PRO 520 01	ETX 20L
1700 MT-01 (EU)		GEL 512 21	GTZ14B-4
1700 V-Max	01.2009-	GEL 512 01	GTZ14-4
1700 XVA Road Star, Silverado		AGM PRO 520 01	ETX 20L
1700 XVAT, XVP		GEL 512 21	GTZ14B-4
1854 alle Modelle/all models		GEL 512 21	GTZ14B-4
1900 alle Modelle/all models		GEL 512 21	GTZ14B-4
Zündapp			
80 K, -KS Super		AGM PRO 509 01	ETX 9
125 GS, -KS		012 14	6N11A-1B
175 KS		012 14	6N11A-1B

ATV-QUADS

Brand Model designation	Year of manufacture	Banner type	First fitting designation
Adly			
alle Modelle/all models		AGM 503 14	YTX4L-B5
Aeon (Benzai)			
50 Cobra, CX-Sport		AGM 503 14	YTX4L-B5
90 Cobra, CX-Sport		AGM 503 14	YTX4L-B5
100 Cobra, CX-Sport		AGM 503 14	YTX4L-B5
Arctic Cat			
50 alle Modelle/all models		AGM 503 14	YTX4L-B5
70 alle Modelle/all models		AGM 503 14	YTX4L-B5
90 Utility, DVX		AGM 504 12	YTX5L-B5
90 alle anderen Modelle/ all other models	01.2000- 12.2006	AGM 503 14	YTX4L-B5
150 alle Modelle/all models		AGM PRO 509 01	ETX 9
250 DS, DVX		AGM 510 12	YTX12-B5
250 alle anderen Modelle/ all other models	01.1990-12.2005	514 11	YB14L-A2
300 alle Modelle/all models		514 11	YB14L-A2
300 DVX, Utility		AGM 510 12	YTX12-B5
330 Outlander		AGM 513 14	YTX15L-B5
366 alle Modelle/all models		514 12	YB14-A2
400 Outlander	01.2003-12.2004	AGM 513 14	YTX15L-B5
400 Outlander, XT, MAX	01.2004-12.2013	AGM PRO 520 01	ETX 20L
400 TRV	01.2001-12.2009	514 12	YB14-A2
450 alle Modelle/all models		514 12	YB14-A2
500 Alterra	01.2016-		YTX20H-B5
500 alle anderen Modelle/ all other models		514 12	YB14-A2
550 alle Modelle/all models		514 12	YB14-A2
650 alle Modelle/all models		AGM PRO 520 01	ETX 20L
660 alle Modelle/all models		AGM PRO 520 01	ETX 20L
700 Alterra	01.2016-	514 12	YB14-A2
700 TRV, Mudpro, LTD, TBX	01.2009-		YTX20H-B5
700 alle anderen Modelle/ all other models	01.2006-12.2008	514 12	YB14-A2
800 alle Modelle/all models			YTX20H-B5
1000 alle Modelle/all models			YTX20H-B5
BRP (Can-Am)			
50 DS, Quest		AGM 503 14	YTX4L-B5
70 DS		AGM 503 14	YTX4L-B5
90 DS, DS-F, Quest		AGM 503 14	YTX4L-B5
200 Rally		514 12	YB14-A2
250 DS		AGM 510 12	YTX12-B5
300 Outlander		AGM 513 14	YTX15L-B5
330 Outlander		AGM 513 14	YTX15L-B5
400 Outlander		AGM 513 14	YTX15L-B5
400 Outlander XT, MAX		AGM PRO 520 01	ETX 20L
450 DS		GEL 506 01	GT7B-4
500 Traxter, Quest	09.1999-12.2005	AGM PRO 516 01	ETX 16L
500 Traxter, Quest	01.2002-12.2005	AGM 522 14	YTX50L-B5
500 Outlander, MAX, Renegade		AGM PRO 520 01	ETX 20L
570 Outlander, Renegade	01.2016-	AGM PRO 520 01	ETX 20L
650 DS		AGM 513 14	YTX15L-B5
650 Quest		AGM PRO 516 01	ETX 16L
650 Outlander, MAX		AGM PRO 520 01	ETX 20L
660 Outlander		AGM PRO 520 01	ETX 20L
800 Outlander		AGM PRO 520 01	ETX 20L
850 Outlander, Renegade	01.2016-	AGM PRO 520 01	ETX 20L
1000 Outlander, Renegade, 6X6		AGM PRO 520 01	ETX 20L
Cannondale			
alle Modelle/all models		AGM PRO 509 01	ETX 9
DRR			
alle Modelle/all models		AGM 503 14	YTX4L-B5
E-Ton			
50 AXL, TXL, NXL, RXL,	01.1999-12.2003	AGM 503 14	YTX4L-B5
50 alle Modelle/all models	01.2004-	GEL 506 21	GT7-3
70 Viper		GEL 506 21	GT7-3
90 AXL, TXL, NXL, RXL,		GEL 506 21	GT7-3
90 DXL Sierra		AGM 503 14	YTX4L-B5
150 CXL, YXL Yukon		AGM PRO 509 01	ETX 9
250 Vector		AGM 510 12	YTX12-B5
Honda			
90 TRX, EX		GEL 506 21	GT7-3
125 ATC M	01.1986-12.1987	AGM 510 12	YTX12-B5

Brand Model designation	Year of manufacture	Banner type	First fitting designation
125 ATC M	01.1984-12.1985	509 14	YB9L-B
125 TRX Fourtrax	01.1987-12.1988	AGM PRO 509 01	ETX 9
125 TRX Fourtrax	01.1985-12.1986	509 14	YB9L-B
200 ATC E Big Red	01.1982-12.1983	514 12	YB14-A2
200 ATC ES Big Red	-1984	514 12	YB14-A2
200 ATC M	01.1984-12.1985	514 12	YB14-A2
200 TRX D Fourtrax Type II	01.1991-12.1996	AGM 510 12	YTX12-B5
200 TRX Fourtrax	01.1990-12.1991	AGM 510 12	YTX12-B5
200 TRX Fourtrax	-1984	514 12	YB14-A2
200 TRX SX Fourtrax	01.1986-12.1988	AGM 510 12	YTX12-B5
250 ATC EC Big Red	01.1985-12.1987	AGM 510 12	YTX12-B5
250 ATC SC	01.1985-12.1987	AGM 510 12	YTX12-B5
250 TRX Fourtrax	01.1985-12.1987	AGM 510 12	YTX12-B5
250 TRX Recon	01.1997-12.2000	AGM 510 12	YTX12-B5
250 TRX X, EX	01.2001-	AGM PRO 509 01	ETX 9
300 Four EX	-1996	AGM PRO 514 01	ETX 14
300 TRX EX Fourtrax	01.1988-12.2000	AGM PRO 509 01	ETX 9
300 TRX Fourtrax	01.1992-12.2000	AGM PRO 514 01	ETX 14
300 TRX FW Fourtrax 4x4	01.1988-12.2000	AGM PRO 514 01	ETX 14
350 FL R Odyssey	-1985	AGM 510 12	YTX12-B5
350 TRX D Fourtrax 4x4	01.1987-12.1989	AGM PRO 514 01	ETX 14
350 TRX Fourtrax	01.1986-12.1987	AGM PRO 514 01	ETX 14
350 TRX Rancher	-2000	AGM PRO 514 01	ETX 14
400 FL R Pilot	01.1989-12.1990	AGM PRO 514 01	ETX 14
400 TRX EX, Fourtrax, Sportrax	01.1999-12.2003	AGM PRO 509 01	ETX 9
400 TRX FW Foreman	01.1995-12.2003	AGM PRO 514 01	ETX 14
420 TRX Fourtrax Rancher	01.2013-	AGM PRO 514 01	ETX 14
450 TRX S Fourtrax S,ES	01.1998-12.2004	AGM PRO 514 01	ETX 14
450 TRX ER	01.2006-	GEL 506 21	GT7-3
500 alle Modelle/all models	01.2003-	AGM PRO 514 01	ETX 14
650 TRX FA Fourtrax Rubicon	01.2003-	AGM PRO 520 01	ETX 20L
680 TRX	01.2006-	AGM PRO 520 01	ETX 20L
700 MUV Big Red	01.2008-12.2013	AGM PRO 514 01	ETX 14
700 TRX XX	01.2008-	AGM PRO 509 01	ETX 9
Hyosung			
450 TE S		AGM PRO 509 01	ETX 9
John Deere			
alle Modelle/all models		AGM PRO 520 01	ETX 20L
Husabert			
alle Modelle/all models		AGM PRO 509 01	ETX 9
Kasea			
50 Mini Skyhawk		AGM 503 14	YTX4L-B5
50 Skyhawk		GEL 506 21	GT7-3
65 KS, KU models		AGM 506 15	YTX7A-B5
90 KS, KU models		AGM 506 15	YTX7A-B5
90 Skyhawk		GEL 506 21	GT7-3
125 KS, KU models, Adventure		AGM 506 15	YTX7A-B5
150 Skyhawk, Adventure		AGM 506 15	YTX7A-B5
170 Skyhawk		AGM 506 15	YTX7A-B5
250 Skyhawk		AGM 506 15	YTX7A-B5
Kawasaki			
50 KFX		GEL 506 21	GT7-3
80 KSF-A		GEL 506 21	GT7-3
90 KFX		GEL 506 21	GT7-3
110 KLF B Mojave	01.1987-12.1988		YB9L-A2
185 KLF A Bayou	01.1985-12.1988	511 13	YB10L-B
200 KLT A, C	01.1981-12.1984	509 14	YB9-B
200 KLT B, C	-1983	512 11	YB12A-A
220 KLF A Bayou	01.1988-12.1999	511 12	YB10L-A2
220 KLF A Bayou (CN)	01.1992-12.1999	514 12	YB14-A2
250 KLT A	01.1982-12.1983	512 11	YB12A-A
250 KLT C Prairie	01.1984-12.1985	511 13	YB10L-B
250 KLT C Prairie	-1983	512 11	YB12A-A
300 KEF A Lakota	01.1995-12.1999	514 12	YB14-A2
300 KLF B Bayou (CN)	01.1992-12.1998	AGM PRO 516 01	ETX 16L
300 KLF B1-B4 Bayou	01.1988-12.1991	514 12	YB14-A2
300 KLF B5-B12 Bayou	01.1992-12.1999	AGM PRO 516 01	ETX 16L
300 KLF C1,-C3 Bayou	01.1989-12.1991	514 12	YB14-A2
300 KLF C4,-C11,-C12	01.1989-12.1999	AGM PRO 516 01	ETX 16L
300 KVF A, -B	01.1999-12.2000	AGM PRO 516 01	ETX 16L
300 KVF Brute Force	01.2013-	AGM 510 12	YTX12-B5
360 KVF Prairie		514 12	YB14-A2
400 KLF B Bayou 4x4	01.1993-12.2000	AGM PRO 516 01	ETX 16L



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Brand Model designation	Year of manufacture	Banner type	First fitting designation
400 KVF A, 2 Prairie (CN)	01.1997-12.2000	AGM PRO 516 01	ETX 16L
400 KVF A1, 2Prairie 4x4	01.1997-12.2000	514 12	YB14-A2
400 KVF B1 Prairie (CN)	-1998	AGM PRO 516 01	ETX 16L
400 KVF B1, 2 Prairie	-1998	514 12	YB14-A2
400 KVF C, D Prairie	01.1999-12.2000	514 12	YB14-A2
450 KFX	01.2008-	AGM 506 14	YTX7L-B5
540 KAF, Mule 2010, 2020, 2030		AGM PRO 516 01	ETX 16L
620 Advantage Classic	01.2003-12.2007	AGM PRO 520 01	ETX 20L
620 KAF F, Mule 4010 4x4	01.2003-12.2012	AGM PRO 520 01	ETX 20L
650 KVF A, B Prairie	01.2002-12.2003		KMX14-B5
700 KVF, KSV, KFX	01.2003-12.2006		KMX14-B5
750 KVF	01.2005-12.2008		KMX14-B5
950 KAF, Mule 2510, 3010 Diesel	01.2010-		
KTM			
450 SX, XC	01.2008-	GEL 506 21	GT7-3
505 SX, XC	01.2008-	GEL 506 21	GT7-3
525 XC		GEL 506 21	GT7-3
Kymco			
50 alle Modelle/all models		GEL 506 21	GT7-3
90 alle Modelle/all models		GEL 506 21	GT7-3
125 alle Modelle/all models		AGM PRO 509 01	ETX 9
150 alle Modelle/all models		AGM PRO 509 01	ETX 9
250 alle Modelle/all models		AGM 510 12	YTX12-B5
300 alle Modelle/all models		AGM 510 12	YTX12-B5
350 alle Modelle/all models		AGM PRO 514 01	ETX 14
450 alle Modelle/all models		AGM PRO 520 01	ETX 20L
500 alle Modelle/all models		AGM PRO 520 01	ETX 20L
550 alle Modelle/all models		AGM PRO 520 01	ETX 20L
700 alle Modelle/all models		AGM PRO 520 01	ETX 20L
Panda Motor Sports			
50 KD		507 13	YB7-A
80 KD		507 13	YB7-A
125 KD		507 13	YB7-A
Polaris			
50 Scrambler	01.2000-12.2002	AGM 503 14	YTX4L-B5
50 Outlaw, Predator, Scrambler	01.2003-	GEL 506 21	GT7-3
90 alle Modelle/all models	01.2001-12.2002	AGM 503 14	YTX4L-B5
90 alle Modelle/all models	01.2003-	GEL 506 21	GT7-3
170 alle Modelle/all models	01.2012-	AGM 510 12	YTX12-B5
200 alle Modelle/all models		AGM 510 12	YTX12-B5
250 alle Modelle/all models	01.1985-12.2003	514 12	YB14-A2
300 alle Modelle/all models		514 14	YB14-B2
325 alle Modelle/all models	01.1987-12.2002	514 12	YB14-A2
330 alle Modelle/all models		514 12	YB14-A2
335 Sportsman	01.1998-12.2001	514 12	YB14-A2
400 alle Modelle/all models	01.1994-12.2003	514 12	YB14-A2
425 alle Modelle/all models	01.1995-12.2002	514 12	YB14-A2
450 Diesel (primary)	01.1999-12.2003	AGM PRO 530 01	ETX 30L
450 Diesel (secondary)	01.1999-12.2003	514 12	YB14-A2
450 Outlaw		AGM PRO 509 01	ETX 9
500 alle restlichen Modelle/ all other models	01.1999-	514 12	YB14-A2
500 Outlaw, Predator		AGM PRO 509 01	ETX 9
500 Sportsman EFI		AGM PRO 530 01	ETX 30L
525 Outlaw		AGM PRO 509 01	ETX 9
550 Sportsman		514 12	YB14-A2
570 Sportsman	01.2014-	514 12	YB14-A2
600 Sportsman		AGM PRO 530 01	ETX 30L
700 alle Modelle/all models	01.2002-	AGM PRO 530 01	ETX 30L
800 Sportsman	01.2005-	AGM PRO 530 01	ETX 30L
850 Sportsman		AGM PRO 530 01	ETX 30L
900 alle Modelle/all models	01.2016-	AGM PRO 530 01	ETX 30L
1000 Scrambler	01.2014-	AGM PRO 530 01	ETX 30L
Qianjiang			
50		AGM 503 14	YTX4L-B5
100		AGM 503 14	YTX4L-B5
S.M.C.			
alle anderen Modelle/ all other models		AGM 506 15	YTX7A-B5
KS/KU		AGM 506 15	YTX7A-B5
Mini		AGM 503 14	YTX4L-B5
Sky		GEL 506 21	GT7-3
Skyhawk		GEL 506 21	GT7-3

Brand Model designation	Year of manufacture	Banner type	First fitting designation
Suzuki			
50 Quad Sport	01.2006-12.2008	GEL 506 21	GT7-3
80 LT Quad Sport	01.1987-12.2000	GEL 506 21	GT7-3
90 LTZ	01.2007-12.2008	AGM 506 15	YTX7A-B5
160 LT-E Quad Runner	01.1989-12.1994	509 14	YB9-B
160 LT-F Quad Runner	01.1991-12.2000	509 14	YB9-B
230 LT E Quad Runner	01.1987-12.1993	AGM 510 12	YTX12-B5
230 LT GE Quad Runner	01.1985-12.1986	511 12	YB10L-A2
230 LT-F Quad Runner	01.1986-12.1987	511 12	YB10L-A2
250 LT-EF Quad Runner	01.1985-12.1986	520 11	Y50-N18L-A3
250 LT-F Quad Runner	01.1988-12.1999	514 12	YB14-A2
250 LT-F Quad Runner (Opt)	01.1999-12.2002	520 11	Y50-N18L-A3
250 LT-F Ozark	01.2002-	AGM 510 12	YTX12-B5
250 LT-Z QuadSport	01.2004-	AGM PRO 509 01	ETX 9
280 LT-F4WDX	01.1991-12.1999	514 12	YB14-A2
300 LT-E, LT-F Quad Runner	01.1987-12.1989	514 12	YB14-A2
400 LT-A, LT-F	01.2002-	AGM PRO 514 01	ETX 14
400 LT-Z QuadSport	01.2003-	AGM PRO 509 01	ETX 9
450 LT-A King Quad	01.2007-	AGM PRO 514 01	ETX 14
450 LT-R QuadRacer	01.2006-	GEL 509 01	GTZ10-4
500 LT-A F QuadMaster	01.2000-12.2001	AGM PRO 514 01	ETX 14
500 LT-A F F QuadRunner	01.2002-	AGM 518 22	YTX20CH-B5
700 LT-A, LT-V	01.2004-12.2007		KMX14-B5
750 LT-A	01.2007-12.2008	AGM 518 22	YTX20CH-B5
LT-4WD Quad Runner	01.1987-12.1999	514 12	YB14-A2
LT-4WD Quad Runner (Opt)	01.1987-12.1999	520 11	Y50-N18L-A3
LT-F4WDX King Quad	01.1991-12.1999	514 12	YB14-A2
LT-F4WDX King Quad	01.1986-12.1999	514 12	YB14-A2
LT-F4WDX King Quad (Opt)	01.1991-12.1994	520 11	Y50-N18L-A3
LT-F4WDX King Quad (Opt)	01.1996-12.1999	520 11	Y50-N18L-A3
Yamaha			
50 alle Modelle/all models			12N7D-3B
80 alle Modelle/all models			12N7D-3B
90 alle Modelle/all models	01.2009-	GEL 506 21	GT7-3
100 alle Modelle/all models			12N7D-3B
125 YFA-1, YFM125S, Grizzly			YB12C-A
125 YFM12R, Raptor	01.2011-	GEL 506 21	GT7-3
200 alle Modelle/all models			YB14A-A1
225 alle Modelle/all models			YB14A-A1
230 alle Modelle/all models			YB14A-A1
250 YFB FW Timber Wolf 4WD			YB12C-A
250 YFB Timber Wolf 2WD			YB12C-A
250 YFM Bear Tracker			YB14A-A2
250 YFM Moto-4			YB14A-A1
250 YFM25R, Raptor		GEL 506 21	GT7-3
300 Grizzly	01.2011-	AGM 510 12	YTX12-B5
350 alle Modelle/all models			YB14A-A1
400 YFM FM Kodiak	01.1996-12.1997	AGM PRO 520 01	ETX 20L
400 YFM FM Kodiak	01.1998-		YB14A-A1
400 YFM FWF Kodiak	01.1994-12.1995	514 12	YB14-A2
400 YFM FWN Big Bear 4WD		AGM PRO 520 01	ETX 20L
400 YFM N Big Bear 2WD		AGM PRO 520 01	ETX 20L
450 YFM45FX Wolverine		AGM PRO 520 01	ETX 20L
450 YFZ, X	01.2004-12.2008	GEL 506 01	GT7B-4
450 YFZ R, X	01.2009-	GEL 506 21	GT7-3
550 YMF5FG Grizzly	01.2011-	AGM PRO 520 01	ETX 20L
600 alle Modelle/all models		AGM PRO 520 01	ETX 20L
660 YFM FW Grizzly	01.2002-12.2003	AGM PRO 520 01	ETX 20L
660 YFM R Raptor	01.2001-12.2003	AGM PRO 514 01	ETX 14
700 YFM GF Grizzly, Kodiak, WA	01.2007-	AGM PRO 520 01	ETX 20L
700 YFM R Raptor, RY	01.2006-	AGM PRO 514 01	ETX 14

CLASSIFICATION LIST_JETSKIS_TRACTOR MOWERS (RIDE-ON MOWERS)

JETSKIS

Brand Model designation	Year of manufacture	Banner type	First fitting designation
Aqua-Jet			
430 SX 1	01.1989-	519 12	YB16-B
432 SX 1	01.1989-	519 12	YB16-B
Arctic Cat			
640 Tiger Shark	01.1997-12.1999	514 11	YB14L-A2
770 Tiger Shark	01.1997-12.1999	514 11	YB14L-A2
770 Tiger Shark alle anderen Modelle/ all other models	01.1993-12.2001	519 12	YB16-B
Arctoco			
650 alle Modelle/all models		519 12	YB16-B
BRP Sea-Doo			
780 3D		AGM PRO 520 01	ETX 20L
900 Spark	01.2014-12.2016	AGM PRO 520 01	ETX 20L
1500 GTI, GTX 4-Tec, RXP, RXT, WAKE	01.2003-	AGM PRO 530 01	ETX 30L
1500 alle restlichen Modelle/ all other models	01.1988-12.2007	AGM PRO 520 01	ETX 20L
Fazer			
430 alle Modelle/all models	01.1988-12.1989	519 12	YB16-B
Honda			
1235 Aqua Trax F-12X, F-12	01.2002-12.2007	AGM PRO 520 01	ETX 20L
1235 Aqua Trax R-12, R-12X	01.2003-12.2007	AGM PRO 520 01	ETX 20L
1470 Aqua Trax F-15, F-15X	01.2003-12.2009	AGM PRO 520 01	ETX 20L
Kawasaki			
300 JS-B	01.1986-12.1991	AGM PRO 516 01	ETX 16L
399 JS-A	01.1987-	AGM PRO 516 01	ETX 16L
400 JS-A	-1996	AGM PRO 516 01	ETX 16L
440 JS-A	01.1977-12.1992	AGM PRO 516 01	ETX 16L
550 JS-A, -B, -C	01.1982-12.1995	AGM PRO 516 01	ETX 16L
650 JF-A, -B	01.1986-12.1996	AGM PRO 516 01	ETX 16L
650 JL-A	01.1991-12.1995	AGM PRO 516 01	ETX 16L
650 JS-A, -B	01.1987-12.1995	AGM PRO 516 01	ETX 16L
750 JH A1-A4, B1-B3	01.1992-12.1995	AGM PRO 516 01	ETX 16L
750 JH C1-C3	01.1995-12.1997	AGM PRO 520 01	ETX 20L
750 JH E1	-1996	AGM PRO 520 01	ETX 20L
750 JH E2	-1997	AGM PRO 520 01	ETX 20L
750 JH G1-G2	01.1998-12.1999	AGM PRO 520 01	ETX 20L
750 JS A1-A4	01.1992-12.1995	AGM PRO 516 01	ETX 16L
750 JS B1-B3	01.1995-12.1997	AGM PRO 516 01	ETX 16L
750 JS C1-C2	01.1998-12.1999	AGM PRO 520 01	ETX 20L
750 JT A, B1	-1994	AGM PRO 516 01	ETX 16L
750 JT B2	01.1995-12.1996	AGM PRO 520 01	ETX 20L
800 JS SX-R	01.2003-	AGM PRO 520 01	ETX 20L
900 JH A1-A2	01.1995-12.1996	AGM PRO 520 01	ETX 20L
900 JT A2, -B1	01.1998-12.2005	AGM PRO 520 01	ETX 20L
1100 JH A1-A3, -B1-B2, JT	01.1996-12.2004	AGM PRO 520 01	ETX 20L
1200 JH, JT-A, B, C, STX-R, STX-12F	01.1999-12.2007	AGM PRO 520 01	ETX 20L
1500 JT, STX, Ultra LX	01.2004-	AGM PRO 520 01	ETX 20L
Kymco			
400 Maxxer	01.2011-	AGM PRO 520 01	ETX 20L
400 MXU	01.2011-	AGM 510 12	YTX12-BS
500 UXV	01.2011-	AGM PRO 520 01	ETX 20L
Polaris			
alle Modelle/all models		AGM PRO 520 01	ETX 20L
S.O.S.Marine			
alle Modelle/all models		AGM PRO 516 01	ETX 16L
Scram Jet			
alle Modelle/all models		528 16	Y60-N24L-A
Ultranaotics			
800 alle Modelle/all models	01.1987-12.1992	AGM PRO 530 01	ETX 30L
1250 alle Modelle/all models	01.1988-12.1991	AGM PRO 530 01	ETX 30L
Wet Jet			
alle Modelle/all models		AGM 518 22	YTX20CH-BS
Yamaha			
Wave Runner alle Modelle/all models	01.1987-12.2007	AGM PRO 520 01	ETX 20L
700 Superjet		AGM PRO 520 01	ETX 20L
1100 VX		AGM PRO 520 01	ETX 20L
1800 FX, FZ		AGM PRO 520 01	ETX 20L



TRACTOR MOWERS (RIDE-ON MOWERS)

Brand Model designation	Year of manufacture	Banner type	First fitting designation
Air Electric Machine Co.			
380		524 22 524 25	12N24-4 U1-9
DS 25		524 22 524 25	12N24-4 U1-9
DS 30		524 22 524 25	12N24-4 U1-9
Allis-Chalmers			
1036 Spirit		524 25 524 22	U1-9 12N24-4
405		509 14	YB9-B
408		509 14	YB9-B
508		509 14	YB9-B
608 LTD		524 25 524 22	U1-9 12N24-4
611 H, LTD		524 25 524 22	U1-9 12N24-4
613		524 25 524 22	U1-9 12N24-4
616H, Special		524 25 524 22	U1-9 12N24-4
T 811		524 25 524 22	U1-9 12N24-4
T 816		524 25 524 22	U1-9 12N24-4
AL-KO			
alle Modelle/all models		GEL 521 01	GT20H-3
Alpina			
alle Modelle/all models		GEL 521 01	GT20H-3
AMF Lawn & Garden (Dynamark)			
alle Modelle/all models		524 22 524 25	12N24-4 U1-9
Arctic Cat			
1028		512 11	YB12A-A
1330, 1332		514 12	YB14-A2
8028, 8530		514 12	YB14-A2
91200, 91400, 925000, 927000		512 11	YB12A-A
RM 1328, 1330, 1330, 1332, 8028, 828E, 8530		514 12	YB14-A2
Ariens/Gravely Co			
12957		524 22 524 25	12N24-4 U1-9
12972		524 22 524 25	12N24-4 U1-9
12982		524 22 524 25	12N24-4 U1-9
12984		524 22 524 25	12N24-4 U1-9
1330		514 12	YB14-A2
1332		514 12	YB14-A2
13948		524 22 524 25	12N24-4 U1-9
13967		524 22 524 25	12N24-4 U1-9
13990		524 22 524 25	12N24-4 U1-9
8028		514 12	YB14-A2
8530		514 12	YB14-A2
901000		512 11	YB12A-A
901002		512 11	YB12A-A
912000		512 11	YB12A-A
912003		512 11	YB12A-A
912006		512 11	YB12A-A
912007		512 11	YB12A-A
912009		512 11	YB12A-A
925000		512 11	YB12A-A
925004		512 11	YB12A-A
925005		512 11	YB12A-A
925011		512 11	YB12A-A
925012		512 11	YB12A-A

Brand Model designation	Year of manufacture	Banner type	First fitting designation
925014		512 11	YB12A-A
925017		512 11	YB12A-A
925018		512 11	YB12A-A
927000		512 11	YB12A-A
929001		524 25 524 22	U1-9 12N24-4
929002		524 25 524 22	U1-9 12N24-4
931001-931006		524 25 524 22	U1-9 12N24-4
931010-931018		524 25 524 22	U1-9 12N24-4
GT 17		524 25 524 22	U1-9 12N24-4
GT 20		524 25 524 22	U1-9 12N24-4
HT 16		524 25 524 22	U1-9 12N24-4
YT 10		524 25 524 22	U1-9 12N24-4
YT 11		524 25 524 22	U1-9 12N24-4
Atlas Tool			
ER 3000		524 22 524 25	12N24-4 U1-9
ER 7130		524 22 524 25	12N24-4 U1-9
ER 2600			YB9L-A2
ER 2650			YB9L-A2
ER 2680			YB9L-A2
ER 3280			YB9L-A2
Beetle			
Beetle		514 11	YB14L-A2
Blisar			
alle Modelle/all models		518 19 524 21 530 20	U1R-7 12N24-3 U1R-32
Bolens			
1467		524 22 524 25	12N24-4 U1-9
1668		524 22 524 25	12N24-4 U1-9
5018 H		524 22 524 25	12N24-4 U1-9
5020 H		524 22 524 25	12N24-4 U1-9
Husky 728		509 14	YB9-B
Husky 770		509 14	YB9-B
Husky 829		509 14	YB9-B
Brill			
alle Modelle/all models		GEL 521 01	GT20H-3
Bunton Company			
32-10 BBS		524 25 524 22	U1-9 12N24-4
36-10 BBS		524 25 524 22	U1-9 12N24-4
36 H-10 BBS		524 25 524 22	U1-9 12N24-4
5210 BBS		524 25 524 22	U1-9 12N24-4
52H-10 BBS		524 25 524 22	U1-9 12N24-4
Lawn Lark 32"		518 19 524 21 530 20	U1R-7 12N24-3 U1R-32
Lawn Lark 36"		524 25 524 22	U1-9 12N24-4
Carter Brothers			
EX 502, C		512 11	YB12A-A
EX 702, C		512 11	YB12A-A
EZ 502, C		512 11	YB12A-A
EZ 702, C		512 11	YB12A-A

TRACTOR MOWERS (RIDE-ON MOWERS)

Brand Model designation	Year of manufacture	Banner type	First fitting designation
Case Int.			
107		524 25 524 22	U1-9 12N24-4
108, XC		524 25 524 22	U1-9 12N24-4
110, XC		524 25 524 22	U1-9 12N24-4
116 XC		524 25 524 22	U1-9 12N24-4
117		524 25 524 22	U1-9 12N24-4
118		524 25 524 22	U1-9 12N24-4
210		524 25 524 22	U1-9 12N24-4
220		524 25 524 22	U1-9 12N24-4
224		524 25 524 22	U1-9 12N24-4
226		524 25 524 22	U1-9 12N24-4
442		524 25 524 22	U1-9 12N24-4
446		524 25 524 22	U1-9 12N24-4
448		524 25 524 22	U1-9 12N24-4
644		524 25 524 22	U1-9 12N24-4
646		524 25 524 22	U1-9 12N24-4
648		524 25 524 22	U1-9 12N24-4
80 XC		524 25 524 22	U1-9 12N24-4
M 80		512 11	YB12A-A
Castelgarden			
alle Modelle/all models		GEL 521 01	GT20H-3
Columbia (MTD Products)			
alle Modelle/all models		524 25 524 22	U1-9 12N24-4
Devere-Locke			
alle Modelle/all models		518 19 524 21 530 20	U1R-7 12N24-3 U1R-32
Dixie Chopper			
alle Modelle/all models		524 25 524 22	U1-9 12N24-4
Dixon Industries			
308	-81	524 22 524 25	12N24-4 U1-9
308	81-86	518 19 524 21 530 20	U1R-7 12N24-3 U1R-32
311		518 19 524 21 530 20	U1R-7 12N24-3 U1R-32
424	-81	524 22 524 25	12N24-4 U1-9
424	81-86	518 19 524 21 530 20	U1R-7 12N24-3 U1R-32
425	-81	524 22 524 25	12N24-4 U1-9
425	81-86	518 19 524 21 530 20	U1R-7 12N24-3 U1R-32
426	-81	524 22 524 25	12N24-4 U1-9
426	81-86	518 19 524 21 530 20	U1R-7 12N24-3 U1R-32

Brand Model designation	Year of manufacture	Banner type	First fitting designation
427		518 19 524 21 530 20	U1R-7 12N24-3 U1R-32
ZTR	-81	524 22 524 25	12N24-4 U1-9
ZTR	81-86	518 19 524 21 530 20	U1R-7 12N24-3 U1R-32
Dolmar			
alle Modelle/all models		GEL 521 01	GT20H-3
EFCO			
alle Modelle/all models		GEL 521 01	GT20H-3
E.T. Rugg Co.			
alle Modelle/all models		524 25 524 22	U1-9 12N24-4
Economy Tractor			
PK 1212		524 26 524 21 530 20	U1R-9 12N24-3 U1R-32
Flow-Mow Mower Company			
JETX 2668		524 25 524 22	U1-9 12N24-4
Ford Motor Company			
100		524 22 524 25	12N24-4 U1-9
120		524 22 524 25	12N24-4 U1-9
70		524 22 524 25	12N24-4 U1-9
75		524 22 524 25	12N24-4 U1-9
80		524 22 524 25	12N24-4 U1-9
LGT 100		524 25 524 22	U1-9 12N24-4
LGT 125		524 25 524 22	U1-9 12N24-4
LGT 145		524 25 524 22	U1-9 12N24-4
LGT 165		524 25 524 22	U1-9 12N24-4
LT 120		524 25 524 22	U1-9 12N24-4
LT 75		524 25 524 22	U1-9 12N24-4
RMT 66		524 25 524 22	U1-9 12N24-4
Garden Way (Troy Built Tiller)			
Pony		509 14	YB9-B
Pony		512 11	YB12A-A
Troy Built Rototiller		524 25 524 22	U1-9 12N24-4
General Appliance			
alle Modelle/all models E-start		524 25 524 22	U1-9 12N24-4
General Power			
alle Modelle/all models E-start		512 11	YB12A-A
Giant-Vac			
alle Modelle/all models E-start		514 11	YB14L-A2
Gilson			
alle Modelle/all models		524 22 524 25	12N24-4 U1-9
Gravely Corp.			
1132		524 22 524 25	12N24-4 U1-9
1138		524 25 524 22	U1-9 12N24-4
1 HDE-126		524 25 524 22	U1-9 12N24-4
408		524 25 524 22	U1-9 12N24-4
GT-736 E		524 25 524 22	U1-9 12N24-4



TRACTOR MOWERS (RIDE-ON MOWERS)

Brand Model designation	Year of manufacture	Banner type	First fitting designation
GT-836		524 25 524 22	U1-9 12N24-4
IHDE-130		524 25 524 22	U1-9 12N24-4
IHSE-126		524 25 524 22	U1-9 12N24-4
RHE-126		524 25 524 22	U1-9 12N24-4
RTH-132		524 25 524 22	U1-9 12N24-4
Heilman Enterprises			
11-76		524 25 524 22	U1-9 12N24-4
11-77		524 25 524 22	U1-9 12N24-4
11-78		524 25 524 22	U1-9 12N24-4
220		524 26 524 21 530 20	U1R-9 12N24-3 U1R-32
440		524 26 524 21 530 20	U1R-9 12N24-3 U1R-32
445		524 26 524 21 530 20	U1R-9 12N24-3 U1R-32
550		524 26 524 21 530 20	U1R-9 12N24-3 U1R-32
555		524 26 524 21 530 20	U1R-9 12N24-3 U1R-32
8-76		524 25 524 22	U1-9 12N24-4
8-77		524 25 524 22	U1-9 12N24-4
Homelite/Jacobsen			
alle Modelle/all models E-start		509 14	YB9-B
Honda			
alle Modelle/all models		524 26 524 21 530 20	U1R-9 12N24-3 U1R-32
Huffmann MFG. CO. (Huffy)			
H 270		512 11	YB12A-A
H 360		512 11	YB12A-A
Hull Industries			
TC30ER		519 12	YB16-B
Husqvarna			
alle Modelle/all models		519 15	YB16HL-A-CX
Hustler			
Excel		524 25 524 22	U1-9 12N24-4
Ingersoll Equipment			
alle Modelle/all models E-start		512 11	YB12A-A
Iseki			
alle Modelle/all models		GEL 521 01	GT20H-3
J.I. Case			
M 80		512 11	YB12A-A
Jacobsen/Homelite/Hustler			
42602		524 22 524 25	12N24-4 U1-9
42642		509 14	YB9-B
43020		509 14	YB9-B
43032		509 14	YB9-B
43034		509 14	YB9-B
43037		509 14	YB9-B
43043		509 14	YB9-B
53020		524 22 524 25	12N24-4 U1-9
53030		524 22 524 25	12N24-4 U1-9
53034		524 22 524 25	12N24-4 U1-9

Brand Model designation	Year of manufacture	Banner type	First fitting designation
53039		524 22 524 25	12N24-4 U1-9
53082		524 22 524 25	12N24-4 U1-9
53092		524 22 524 25	12N24-4 U1-9
53105		524 22 524 25	12N24-4 U1-9
53107		524 25 524 22	U1-9 12N24-4
53146		524 25 524 22	U1-9 12N24-4
53200		524 25 524 22	U1-9 12N24-4
53215		524 25 524 22	U1-9 12N24-4
53275		524 25 524 22	U1-9 12N24-4
53300		524 25 524 22	U1-9 12N24-4
53418		524 25 524 22	U1-9 12N24-4
730 Ole		524 25 524 22	U1-9 12N24-4
750 Deluxe		524 22 524 25	12N24-4 U1-9
Chief		524 22 524 25	12N24-4 U1-9
GT 12 G		524 25 524 22	U1-9 12N24-4
GT 12 H		524 25 524 22	U1-9 12N24-4
Javelin MK 11		509 14	YB9-B
LTX 11		524 22 524 25	12N24-4 U1-9
LTX 8		524 22 524 25	12N24-4 U1-9
RE 8 E		509 14	YB9-B
Super Chief		524 22 524 25	12N24-4 U1-9
T 8		524 25 524 22	U1-9 12N24-4
JC Penney			
alle Modelle/all models		524 25 524 22	U1-9 12N24-4
John Deere			
alle Modelle/all models		524 25 524 22	U1-9 12N24-4
Kawasaki			
550 Mule		514 12	YB14-A2
Kees			
alle Modelle/all models		524 25 524 22	U1-9 12N24-4
Klippp			
11E		530 20	U1R-32
Kubota			
alle Modelle/all models		524 25 524 22	U1-9 12N24-4
Lawn Boy			
333			YB9L-A2
335			YB9L-A2
5802			YB9L-A2
5803			YB9L-A2
7258 E			YB9L-A2
7259 E			YB9L-A2
7260 E			YB9L-A2
8227 E			YB9L-A2
8228 E			YB9L-A2
8229 E, EA			YB9L-A2
8233 E			YB9L-A2
9303 E		524 25 524 22	U1-9 12N24-4
9325 ES		524 25 524 22	U1-9 12N24-4

TRACTOR MOWERS (RIDE-ON MOWERS)

Brand Model designation	Year of manufacture	Banner type	First fitting designation
9328 E, ES		524 25 524 22	U1-9 12N24-4
9329 ES	-75	524 26 524 21 530 20	U1R-9 12N24-3 U1R-32
9329 ES	75-	524 25 524 22	U1-9 12N24-4
9365 ES		524 25 524 22	U1-9 12N24-4
9368 E, ES		524 25 524 22	U1-9 12N24-4
9369 ES	-75	524 26 524 21 530 20	U1R-9 12N24-3 U1R-32
9369 ES	75-	524 25 524 22	U1-9 12N24-4
Massey Ferguson			
alle Modelle/all models		518 19 524 21 530 20	U1R-7 12N24-3 U1R-32
McCulloch			
alle Modelle/all models		518 19 524 21 530 20	U1R-7 12N24-3 U1R-32
Minneapolis-Moline			
alle Modelle/all models		524 25 524 22	U1-9 12N24-4
Montgomery Ward			
1300-1400 series		524 25 524 22	U1-9 12N24-4
99 & under series		509 14	YB9-B
Moridge			
alle Modelle/all models		524 25 524 22	U1-9 12N24-4
Mountfield			
alle Modelle/all models		GEL 521 01	GT20H-3
Mowett Sales (Mustang)			
alle Modelle/all models E-start		524 22 524 25	12N24-4 U1-9
MTD Products			
300-600 series (single cyl.)		514 11	YB14L-A2
700-800 series (twin cyl.)		520 12	Y50-N18L-A
Murray Ohio			
2523		514 11	YB14L-A2
3033		514 11	YB14L-A2
3035		514 11	YB14L-A2
3613		524 25 524 22	U1-9 12N24-4
3623		524 25 524 22	U1-9 12N24-4
3633		524 25 524 22	U1-9 12N24-4
3653		524 25 524 22	U1-9 12N24-4
3656		524 25 524 22	U1-9 12N24-4
3662		524 25 524 22	U1-9 12N24-4
3666		524 25 524 22	U1-9 12N24-4
3667		524 25 524 22	U1-9 12N24-4
3697		524 25 524 22	U1-9 12N24-4
4169		524 25 524 22	U1-9 12N24-4
4297		524 25 524 22	U1-9 12N24-4
5-31704		524 25 524 22	U1-9 12N24-4
5-36506		524 25 524 22	U1-9 12N24-4
5-36508		524 25 524 22	U1-9 12N24-4

Brand Model designation	Year of manufacture	Banner type	First fitting designation
5-36523		524 25 524 22	U1-9 12N24-4
5-36528		524 25 524 22	U1-9 12N24-4
5-38205		524 25 524 22	U1-9 12N24-4
5-38206		524 25 524 22	U1-9 12N24-4
5-40700		524 25 524 22	U1-9 12N24-4
5-40701		524 25 524 22	U1-9 12N24-4
6-30502, X4		514 11	YB14L-A2
6-30702, X4		514 11	YB14L-A2
6-31704		524 22 524 25	12N24-4 U1-9
6-36506		524 22 524 25	12N24-4 U1-9
6-36508, X4		524 22 524 25	12N24-4 U1-9
6-36534		524 22 524 25	12N24-4 U1-9
6-38204		524 25 524 22	U1-9 12N24-4
6-38205		524 25 524 22	U1-9 12N24-4
6-38211		524 25 524 22	U1-9 12N24-4
6-39004		524 25 524 22	U1-9 12N24-4
6-40708		524 25 524 22	U1-9 12N24-4
7-30502		514 11	YB14L-A2
7-31515		524 22 524 25	12N24-4 U1-9
7-36506		524 22 524 25	12N24-4 U1-9
7-36508		524 22 524 25	12N24-4 U1-9
7-36557		524 22 524 25	12N24-4 U1-9
7-36560		524 22 524 25	12N24-4 U1-9
7-38211		524 25 524 22	U1-9 12N24-4
7-38219		524 25 524 22	U1-9 12N24-4
7-38222		524 25 524 22	U1-9 12N24-4
7-39004		524 25 524 22	U1-9 12N24-4
7-40713		524 25 524 22	U1-9 12N24-4
alle Modelle/all models E-start		524 25 524 22	U1-9 12N24-4
Noma			
321050-321054		514 11	YB14L-A2
328000-328018		514 11	YB14L-A2
32805		514 11	YB14L-A2
360100		514 11	YB14L-A2
360101		514 11	YB14L-A2
451401		524 22 524 25	12N24-4 U1-9
451600		524 22 524 25	12N24-4 U1-9
451800-451823		524 22 524 25	12N24-4 U1-9
454100		524 22 524 25	12N24-4 U1-9
OKAY			
alle Modelle/all models		518 19 524 21 530 20	U1R-7 12N24-3 U1R-32



TRACTOR MOWERS (RIDE-ON MOWERS)

Brand Model designation	Year of manufacture	Banner type	First fitting designation
Park			
alle Modelle/all models		GEL 521 01	GT20H-3
Polaren Products			
6502 M-6504 M		518 19 524 21 530 20	U1R-7 12N24-3 U1R-32
8902 B-8905 B		524 22 524 25	12N24-4 U1-9
9902 M-9905 M		524 22 524 25	12N24-4 U1-9
Power King			
1212		524 25 524 22	U1-9 12N24-4
Roady			
alle Modelle/all models		GEL 521 01	GT20H-3
Roof			
492683		524 25 524 22	U1-9 12N24-4
493071		524 25 524 22	U1-9 12N24-4
493081		524 25 524 22	U1-9 12N24-4
30-N7-3		524 26 524 21 530 20	U1R-9 12N24-3 U1R-32
30-N8-E		524 26 524 21 530 20	U1R-9 12N24-3 U1R-32
830 E		524 26 524 21 530 20	U1R-9 12N24-3 U1R-32
Roper			
96444		509 14	YB9-B
96927		509 14	YB9-B
96941		509 14	YB9-B
K 522		509 14	YB9-B
K 852		509 14	YB9-B
K 922 PRA		514 11	YB14L-A2
K 9224 AR		514 11	YB14L-A2
K 932 PRA		514 11	YB14L-A2
K 9324 AR		514 11	YB14L-A2
L 722		509 14	YB9-B
L 722 56 R		509 14	YB9-B
L 8000 AT		514 11	YB14L-A2
LO 63		524 22 524 25	12N24-4 U1-9
T 863		524 22 524 25	12N24-4 U1-9
Scag			
ST 12 B		524 25 524 22	U1-9 12N24-4
ST 13 K		524 25 524 22	U1-9 12N24-4
Sears, Rubuck & Co.			
131.96927			YB9L-B
131.969310			YB9L-B
131.96941			YB9L-B
131.96970			YB9L-B
502.256060-502.256063		514 11	YB14L-A2
502.256070		514 11	YB14L-A2
502.256071		514 11	YB14L-A2
502.256080		514 11	YB14L-A2
502.256081		514 11	YB14L-A2
502.256120-502.256126		514 11	YB14L-A2
502.256130-502.256132		514 11	YB14L-A2
502.256134		514 11	YB14L-A2
502.256136A		514 11	YB14L-A2
502.256138		514 11	YB14L-A2
502.2561575		524 26 524 21 530 20	U1R-9 12N24-3 U1R-32
502.2561576		524 26 524 21 530 20	U1R-9 12N24-3 U1R-32

Brand Model designation	Year of manufacture	Banner type	First fitting designation
502.25617		524 26 524 21 530 20	U1R-9 12N24-3 U1R-32
502.25619		524 26 524 21 530 20	U1R-9 12N24-3 U1R-32
502.25538	-66	524 25 524 22	U1-9 12N24-4
520.256050		514 11	YB14L-A2
520.256051		514 11	YB14L-A2
520.25800	-66	524 25 524 22	U1-9 12N24-4
520.25810	-66	524 25 524 22	U1-9 12N24-4
520.25830	-66	524 25 524 22	U1-9 12N24-4
917.25424		524 26 524 21 530 20	U1R-9 12N24-3 U1R-32
917.25431-917.25435		524 26 524 21 530 20	U1R-9 12N24-3 U1R-32
917.25474		524 26 524 21 530 20	U1R-9 12N24-3 U1R-32
917.255260		514 11	YB14L-A2
917.255270-917.255273		514 11	YB14L-A2
917.255330		514 11	YB14L-A2
917.255340		514 11	YB14L-A2
917.25541		524 26 524 21 530 20	U1R-9 12N24-3 U1R-32
917.25558		524 26 524 21 530 20	U1R-9 12N24-3 U1R-32
917.25582		524 26 524 21 530 20	U1R-9 12N24-3 U1R-32
Simplicity			
3008, -3		509 14	YB9-B
4080		524 25 524 22	U1-9 12N24-4
4111		524 25 524 22	U1-9 12N24-4
5008		524 25 524 22	U1-9 12N24-4
990775		509 14	YB9-B
990780		524 25 524 22	U1-9 12N24-4
Snapper			
1401 S (Walkmowers)		524 25 524 22	U1-9 12N24-4
21401 PS, S		AGM 503 14	YTX4L-BS
214X1 PS		AGM 503 14	YTX4L-BS
LT 11		524 25 524 22	U1-9 12N24-4
Speedex Tractor Co.			
alle Modelle/all models		524 25 524 22	U1-9 12N24-4
Stiga			
alle Modelle/all models		GEL 521 01	GT20H-3
Swisher			
18 Hp/32", Ride King		512 11	YB12A-A
Sycamore			
732 E		524 22 524 25	12N24-4 U1-9
Toro			
11-32		524 25 524 22	U1-9 12N24-4
11-38		524 25 524 22	U1-9 12N24-4
11-44		524 25 524 22	U1-9 12N24-4

TRACTOR MOWERS (RIDE-ON MOWERS)

Brand Model designation	Year of manufacture	Banner type	First fitting designation
55150-55152		524 22 524 25	12N24-4 U1-9
57300		524 25 524 22	U1-9 12N24-4
57351		524 25 524 22	U1-9 12N24-4
57356		524 25 524 22	U1-9 12N24-4
57360		524 25 524 22	U1-9 12N24-4
58" PRO		524 22 524 25	12N24-4 U1-9
7-25		524 25 524 22	U1-9 12N24-4
70" PRO		524 22 524 25	12N24-4 U1-9
940		524 22 524 25	12N24-4 U1-9
Big Red		524 22 524 25	12N24-4 U1-9
CT 7		524 22 524 25	12N24-4 U1-9
Grandmaster 117		524 25 524 22	U1-9 12N24-4
L 7 E		524 22 524 25	12N24-4 U1-9
LT 6		524 22 524 25	12N24-4 U1-9
LT 7		524 22 524 25	12N24-4 U1-9
TE 10		524 25 524 22	U1-9 12N24-4
TE 12		524 25 524 22	U1-9 12N24-4
Troy Built			
alle Modelle/all models		512 11	YB12A-A
Tru-Test			
alle Modelle/all models		524 25 524 22	U1-9 12N24-4
Turfmaster			
alle Modelle/all models		524 25 524 22	U1-9 12N24-4
Voeller Inc.			
SS 7		524 25 524 22	U1-9 12N24-4
Western Int. (Dynamark)			
alle Modelle/all models		514 11	YB14L-A2
Westwood			
alle Modelle/all models		GEL 521 01	GT20H-3
Wheel Horse			
108-3		514 11	YB14L-A2
108-5		514 11	YB14L-A2
111-5		514 11	YB14L-A2
1984 A 85		514 11	YB14L-A2
1985 108-3		514 11	YB14L-A2
211-4		524 25 524 22	U1-9 12N24-4
211-5		524 25 524 22	U1-9 12N24-4
212-6		524 25 524 22	U1-9 12N24-4
308-8		524 25 524 22	U1-9 12N24-4
310-8		524 25 524 22	U1-9 12N24-4
312-8		524 25 524 22	U1-9 12N24-4
312 A		524 25 524 22	U1-9 12N24-4
414-8		524 25 524 22	U1-9 12N24-4
416-8		524 25 524 22	U1-9 12N24-4

Brand Model designation	Year of manufacture	Banner type	First fitting designation
418-8		524 25 524 22	U1-9 12N24-4
418 A		524 25 524 22	U1-9 12N24-4
420 LSE		524 22 524 25	12N24-4 U1-9
A 115		524 22 524 25	12N24-4 U1-9
A 80		524 22 524 25	12N24-4 U1-9
A 81		524 22 524 25	12N24-4 U1-9
A 85		514 11	YB14L-A2
B 11		524 22 524 25	12N24-4 U1-9
B 80		524 22 524 25	12N24-4 U1-9
B 81		524 22 524 25	12N24-4 U1-9
C 101		524 25 524 22	U1-9 12N24-4
C 121		524 25 524 22	U1-9 12N24-4
C 141		524 25 524 22	U1-9 12N24-4
C 161, Twin		524 25 524 22	U1-9 12N24-4
C 81		524 22 524 25	12N24-4 U1-9
Charger V7, V8		524 22 524 25	12N24-4 U1-9
Commando 8, V7, V8		524 22 524 25	12N24-4 U1-9
D 250		524 25 524 22	U1-9 12N24-4
E Lawn Ranger		524 22 524 25	12N24-4 U1-9
E Work Horse 700		524 22 524 25	12N24-4 U1-9
White Outdoor Products			
FST 16		520 12	Y50-N18L-A
GT 1000		520 12	Y50-N18L-A
GT 185		520 12	Y50-N18L-A
GT 205		520 12	Y50-N18L-A
LT 125		520 12	Y50-N18L-A
LT 155		520 12	Y50-N18L-A
LT 160		520 12	Y50-N18L-A
LT 165		520 12	Y50-N18L-A
R 80		524 25 524 22	U1-9 12N24-4
T 100		524 25 524 22	U1-9 12N24-4
T 80		524 25 524 22	U1-9 12N24-4
T 800		524 25 524 22	U1-9 12N24-4
T 85		524 25 524 22	U1-9 12N24-4
WOLF			
300-600 series (single cyl.)		514 11	YB14L-A2
700-800 series (twin cyl.)		520 12	Y50-N18L-A
alle anderen Modelle/ all other models		518 19 524 21 530 20	U1R-7 12N24-3 U1R-32
Woods			
1250		524 25 524 22	U1-9 12N24-4
1850		524 25 524 22	U1-9 12N24-4
Yard Man Inc.			
13420			YB9L-A2
13518		524 22 524 25	12N24-4 U1-9



TRACTOR MOWERS (RIDE-ON MOWERS)

Brand Model designation	Year of manufacture	Banner type	First fitting designation
13655		524 22 524 25	12N24-4 U1-9
13665		524 22 524 25	12N24-4 U1-9
13675		524 22 524 25	12N24-4 U1-9
13735		524 22 524 25	12N24-4 U1-9
14805		524 22 524 25	12N24-4 U1-9
3260		524 22 524 25	12N24-4 U1-9
3390		524 22 524 25	12N24-4 U1-9
3400		524 22 524 25	12N24-4 U1-9
3480		524 22 524 25	12N24-4 U1-9
3730			YB9L-A2
3770		524 22 524 25	12N24-4 U1-9
3810		524 22 524 25	12N24-4 U1-9
3960		524 22 524 25	12N24-4 U1-9
Yard Pro (Weed Eater/Poulan)			
3730			YB9L-A2
3770		524 22 524 25	12N24-4 U1-9
3810		524 22 524 25	12N24-4 U1-9
13655		524 22 524 25	12N24-4 U1-9
13665		524 22 524 25	12N24-4 U1-9
13675		524 22 524 25	12N24-4 U1-9

SNOWMOBILES

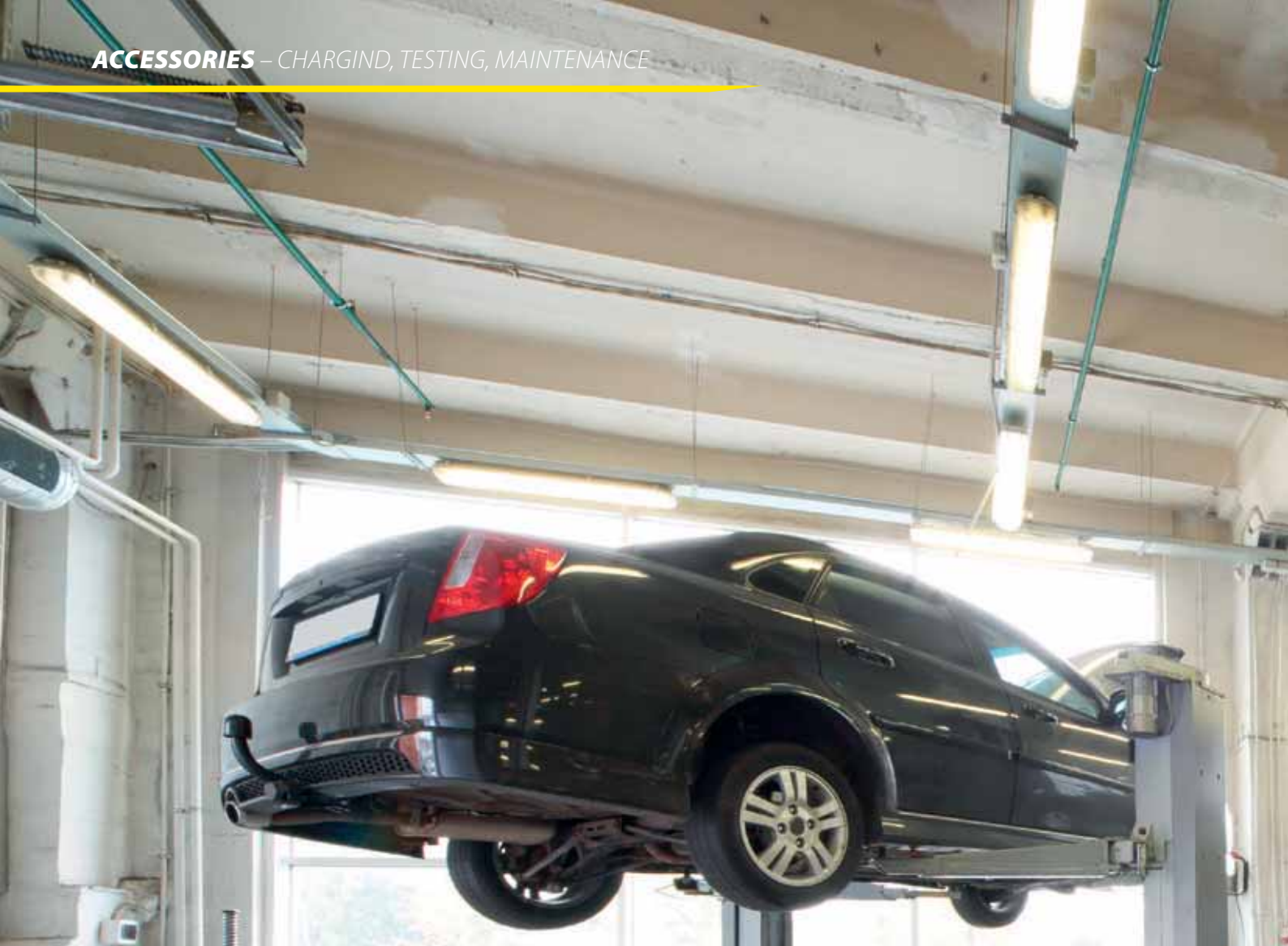
Brand Model designation	Year of manufacture	Banner type	First fitting designation
Arctic Cat			
500 4 Stroke Trail, Touring		AGM 522 14	YTX50L-BS
500 Bearcat 340, 440	01.1995-	514 12	YB14-A2
500 Bearcat WT, 570	01.2003-	AGM 522 14	YTX50L-BS
500 Cheetah	01.1991-	514 11	YB14L-A2
500 Cougar	01.1995-	516 15	YB16B-A1
500 Crossfire 500, 600, 700			YTX20H-BS
500 EXT 600		516 15	YB16B-A1
500 F5 LXR	01.2007-	516 15	YB16B-A1
500 F6, F8, F1000			YTX20H-BS
500 Firecat		AGM 522 14	YTX50L-BS
500 Jag, Jag Dix	01.1994-	514 12	YB14-A2
500 Jaguar			YTX20H-BS
500 King Cat 900		AGM 522 14	YTX50L-BS
500 M5, M6, M7			YTX20H-BS
500 Mountain Cat 500, 600, 1000		516 15	YB16B-A1
500 Mountain Cat 570, 800, 900		AGM 522 14	YTX50L-BS
500 Panthera 550, 600		516 15	YB16B-A1
500 Panthera 800		AGM 522 14	YTX50L-BS
500 Panther	01.1994-	514 12	YB14-A2
500 Panther 340, 370, 440		514 12	YB14-A2
500 Panther 550		516 15	YB16B-A1
500 Panther 570, 660		AGM 522 14	YTX50L-BS
500 Powder Extreme, Special		516 15	YB16B-A1
500 Puma		514 12	YB14-A2
500 Sabercat	01.2004-	516 15	YB16B-A1
500 Sabercat 600, 700		AGM 522 14	YTX50L-BS
500 T660		AGM 522 14	YTX50L-BS
500 Thundercat	01.1997-	516 15	YB16B-A1
500 Wildcat	01.1995-	507 13	YB7-A
500 Z 370, 440		514 12	YB14-A2
500 Z 570		AGM 522 14	YTX50L-BS
500 ZL 550, 600		516 15	YB16B-A1
500 ZL 800		AGM 522 14	YTX50L-BS
500 ZR 500, 600		516 15	YB16B-A1
500 ZR 800, 900		AGM 522 14	YTX50L-BS
500 ZRT		516 15	YB16B-A1
550 alle Modelle/all models	01.2010-12.2013	AGM PRO 530 01	ETX 30L
570 alle Modelle/all models		516 15	YB16B-A1
600 alle Modelle/all models	01.2014-	AGM PRO 520 01	ETX 20L
650 alle Modelle/all models	01.2006-12.2009		YTX24HL-BS
700 alle Modelle/all models	01.2009-	AGM PRO 530 01	ETX 30L
800 F8 LXR, ZR 6000, ZR 8000			YTX20H-BS
1000 alle Modelle/all models		AGM PRO 530 01	ETX 30L
1100 alle Modelle/all models			YTX20H-BS
BRP Ski-Doo			
alle Modelle 4-Takt/ all models 4-Stroke		AGM 522 14	YTX50L-BS
CK3		AGM 522 14	YTX50L-BS
Elite	01.2004-12.2006	AGM PRO 530 01	ETX 30L
ZX	01.1999-12.2001	AGM 513 14	YTX15L-BS
ZX	01.2002-12.2003	AGM PRO 520 01	ETX 20L
300 Skandic		AGM PRO 520 01	ETX 20L
550 alle Modelle/all models		AGM PRO 520 01	ETX 20L
600 alle Modelle/all models		AGM PRO 520 01	ETX 20L
800 alle Modelle/all models		AGM PRO 520 01	ETX 20L
900 alle Modelle/all models		AGM PRO 520 01	ETX 20L
1000 alle Modelle/all models		AGM 522 14	YTX50L-BS
1200 alle Modelle/all models		AGM PRO 520 01	ETX 20L
Kawasaki			
alle Modelle/all models		AGM 522 14	YTX50L-BS
Polaris			
alle Modelle/all models (E-Start)	01.1985-12.1993	520 12	Y50-N18L-A
alle Modelle/all models (E-Start)	01.1994-12.2005	514 12	YB14-A2
alle restlichen Modelle/ all other models	01.1992-12.2003	514 12	YB14-A2
FS FST	01.2006-	AGM PRO 520 01	ETX 20L
500 Wide Track		AGM 522 14	YTX50L-BS
544 alle Modelle/all models		514 12	YB14-A2
550 alle Modelle/all models		AGM PRO 520 01	ETX 20L
600 IQ Touring		AGM PRO 514 01	ETX 14
600 Rush, IQ, shift, Switchback		AGM PRO 520 01	ETX 20L
600 Wide Track	01.2010-	AGM PRO 530 01	ETX 30L

Brand Model designation	Year of manufacture	Banner type	First fitting designation
750 FS/FST, Wide Track, Turbo	01.2006-12.2010	AGM PRO 520 01	ETX 20L
750 FS Wide Track	01.2010-	AGM PRO 530 01	ETX 30L
800 alle Modelle/all models		AGM PRO 520 01	ETX 20L
Yamaha			
80 SV	01.1988-12.1990	507 14	YB7C-A
125 SV	-1990	514 11	YB14L-A2
300 CF	01.1983-12.1996	516 16	YB16AL-A2
340 CS Ovation	01.1989-12.1997	514 11	YB14L-A2
340 EC	01.1978-12.1984	514 11	YB14L-A2
340 ET	01.1979-12.1980	514 11	YB14L-A2
340 ET	-1979	520 12	Y50-N18L-A
480 PZ	01.1984-12.1997	514 11	YB14L-A2
480 VT, -GTS	01.1991-12.1997	514 11	YB14L-A2
500 Phazer, Venture Lite	01.2011-	AGM PRO 514 01	ETX 14
500 V-max	01.1994-12.1999	516 16	YB16AL-A2
500 VX Ovation	01.1996-12.1997	516 16	YB16AL-A2
540 EC	01.1979-12.1980	520 12	Y50-N18L-A
540 VK	01.1989-12.1999	516 16	YB16AL-A2
540 XL	01.1985-12.1996	516 16	YB16AL-A2
570 EX	01.1988-12.1996	516 16	YB16AL-A2
600 V-max DX, -ST	01.1994-12.1997	516 16	YB16AL-A2
600 VT, Venture	01.1997-12.1998	516 16	YB16AL-A2
600 VT, Venture	01.1999-12.2003	520 12	Y50-N18L-A
600 VX ER, Vmax ER		520 12	Y50-N18L-A
600 VX Ovation	01.1996-12.1997	516 15	YB16B-A1
600 VX XTC Vmax XTC		516 16	YB16AL-A2
700 alle Modelle/all models		520 12	Y50-N18L-A
973 Vector, Viking	01.2009-	AGM PRO 520 01	ETX 20L
998 Apex	01.2006-	AGM PRO 514 01	ETX 14
1000 Apex	01.2006-	AGM PRO 514 01	ETX 14
1000 RS, RX R	01.2003-12.2005	AGM PRO 520 01	ETX 20L
1049 alle Modelle/all models	01.2009-	AGM PRO 520 01	ETX 20L



UTV UTILITY VEHICLES

Brand Model designation	Year of manufacture	Banner type	First fitting designation
Arctic Cat			
550 alle Modelle/all models	01.2000-12.2009		YTX24HL-BS
550 alle Modelle/all models	01.2010-12.2015	530 15	YB30L-B
650 alle Modelle/all models	01.2006-12.2009	520 12	Y50-N18L-A3
700 alle Modelle/all models	01.2000-12.2009		YTX24HL-BS
700 alle Modelle/all models	01.2009-	530 15	YB30L-B
1000 alle Modelle/all models	01.2001-12.2016	AGM PRO 530 01	ETX 30L
Honda			
500 alle Modelle/all models	01.2003-	AGM PRO 514 01	ETX 14
700 alle Modelle/all models	01.2006-	AGM 512 14	YTX14BS
1000 alle Modelle/all models	01.2008-	AGM PRO 514 01	ETX 14
Kawasaki			
300 alle Modelle/all models		514 12	YB14-A2
400 alle Modelle/all models	01.2005-12.2016	514 12	YB14-A2
450 alle Modelle/all models		AGM 518 21	YTX20L-BS
540 alle Modelle/all models		AGM 518 21	YTX20L-BS
620 alle Modelle/all models	01.2009-	AGM 518 21	YTX20L-BS
750 alle Modelle/all models	01.2008-12.2016		KMX14-BS
950 alle Modelle/all models	01.2010-		
Kymco			
450 alle Modelle/all models	01.2016-	AGM 518 21	YTX20L-BS
500 alle Modelle/all models	01.2016-	AGM 518 21	YTX20L-BS
700 alle Modelle/all models	01.2016-	AGM 518 21	YTX20L-BS
Piaggio			
alle Modelle/all models	01.1993-	509 14	YB9-B
Polaris			
170 RZR	01.1998-12.2016	AGM 510 12	YTX12-BS
400 Ranger	01.2011-12.2013	514 14	YB14-B2
425 Ranger	01.2002-12.2003	530 15	YB30L-B
500 Ranger 4x4, 6x6	01.1998-12.2010	530 15	YB30L-B
500 Ranger 4x4s	01.2011-12.2013	514 14	YB14-B2
570 RZR	01.2012-12.2016	514 14	YB14-B2
570 RZR EPS	01.2012-12.2016	530 15	YB30L-B
700 Ranger 6x6	01.2006-12.2010	530 15	YB30L-B
800 alle Modelle/all models	01.2010-12.2014	AGM PRO 530 01	ETX 30L
900 RZR	01.2011-12.2016	AGM PRO 530 01	ETX 30L
Suzuki			
620 alle Modelle/all models	01.2005-	AGM 518 21	YTX20L-BS
Yamaha			
700 alle Modelle/all models	01.2014-		
1000 alle Modelle/all models	01.2016-		



ROBUST & RELIABLE ACCESSORIES.

READY AT ANYTIME.

"Trust is good, control is better!" is a well-known truism. Accordingly, Banner accessories provide professional certainty regarding the status of every battery, as well as facilitating maintenance, completing charging, or assisting starts. Banner's comprehensive programme contains chargers, start boosters, test and battery service items. The entire Banner range of accessories is trimmed to the retention of the optimum performance and long service life of starter and special batteries.



CHARGERS

FOR CONSTANT FULL POWER.

Available for all types of batteries and in a range of versions, Banner chargers leave no wish unanswered. From a favourably priced model for first-time buyers to a professional standard device, Banner chargers always ensure that any battery is optimally charged. Ideal systems are also on offer for the retention of car and motorcycle battery charge levels during winter mothballing.



START BOOSTERS

FOR POWER JUST IN CASE.

What does one do, when suddenly nothing functions? Banner boosters supply mobile power anytime and anywhere, even for power tools. These portable starting devices are quick and simple to use. Moreover, thanks to maximum power, first class quality, a solid housing and technical details such as reverse polarity protection and fully insulated brass clamps with a practical LED work light, are good enough for any professional under the toughest conditions.



TESTING AND CHECKING DEVICES FOR EXTENDED SERVICE LIFE.

A battery provides a constant supply of energy when it is kept in an optimum condition. Using Banner testing and checking devices, one can assess the battery charge status, the voltage, the battery acid level and much more besides. As a result, it is possible to determine if and what measures are necessary for the retention of full battery performance.



SERVICING DEVICES FOR OPTIMUM BATTERY CARE.

The range of Banner servicing aids extends from protective terminal sprays, to connecting cables and battery equalisers. In other words, everything that is needed for perfect battery maintenance and servicing. This also provides a decisive plus with regard to safety, owing to discharge protection, fire prevention and safeguards against unauthorised use.



Banner **ACCUCHARGER** **CHARGERS FOR PROFESSIONALS.**

These devices facilitate the charging of conventional starter batteries without disconnecting the vehicle's electrical system and are especially suitable for cars, commercial vehicles, veteran cars and boats. Accuchargers offer automatic charging with an IUoU characteristic, buffer charging, back-up operation and retention charging and are therefore an ideal tool for any workshop.

Banner **Proficharger** **THE FLEXIBLE WORKSHOP PROFESSIONAL.**

Rated voltage from 12 to 120V, adjustable setting with three different characteristics. Solid steel sheet design with four robust roller legs. Automatic checks / fault display / reverse polarity protection, LCD display, operational status display, main charging time surveillance. Suitable for wet, AGM, start/stop and GEL batteries.

Voltage: 400V AC
Rated voltage: 12 / 24 / 36 / 48 / 80 / 120V
Charging voltage: 2 - 144V
Charging current: max. 30 A
Charging characteristic: Ia, IUa, IUoU
Dimensions: 500 x 700 x 360 mm
Art. No.: 1200006000



Banner **Pro 25A Accucharger** **THE PROFESSIONAL CHARGER.**

A fully automatic battery charging system with special 16V refresh mode for deeply discharged batteries. A large graphic display offers simple operation and clear readings. Automatic charging and buffering of parallel consumers. Flash operation supplies the vehicle during diagnosis and software updates. A support function and power adapter mode are included. IUoU / IU, charging characteristic. Robust design with maximum safety features. Suitable for 6/12/24V wet, CA, AGM, EFB, start/stop and GEL batteries of up to 250 Ah.

Batteriekapazität: 3-250Ah
Ladestrom: max. 25A
Ladekennlinie: IUoU / IU
Art. Nr.: 1232403025



Banner **Prof. 35A Accucharger** **THE DEVICE FOR WORKSHOP SPECIALISTS.**

An intelligent battery charging system in a robust aluminium housing with simple user guidance by means of an animated graphics display. Fully automatic charging and user mode for the individual setting of charging parameters. Constant voltage for diagnosis and software flashes. Including 16V refresh mode for deep discharged battery and support operation function. Maximum electrical and thermal protection. Suitable for 6/12/24V wet, AGM, Ca/Ca, start/stop and GEL batteries.

Battery capacity: 3-350Ah
Charging current: bis 35A
Charging characteristic: IUoU / IU
Art. No.: 1232403035



Banner Pro 100A Accucharger
PROFESSIONAL 12V CHARGER WITH FLASH MODE.

An extremely powerful device, which guarantees the perfect charging of even very large batteries. The latest charging program offers a choice between fully automatic and manual setting, while a special flash mode for software updates provides constant voltage for current of up to 100A. A large LED display shows current and voltage readings. Maximum safety features, robust aluminium design and simple handling. Ideal for professional workshops and service centres. Suitable for wet, CA, AGM, EFB, start/stop and GEL batteries.

Charging current: max. 100A (3 min) / 70A constant
Charging voltage: max. 14,8V
Art. No.: 1240005100



Banner 4x5A Multicharger
FULLY-AUTOMATIC QUADRUPLE CHARGER FOR 12V BATTERIES.

This charger offers the very latest, charging technology, maximum safety and the simplest possible operation. LED display with a charge status indicator at each outlet. Ideal for therecharging of stored batteries in outlets or workshops and secure charge retention for several batteries over a number of months. 5A charging current per outlet, charging voltage of up to 14.7V. Suitable for 12V wet, AGM, start/stop and GEL batteries.

Art. No.: 1240004500



Banner 2A Accucharger
FULLY AUTOMATIC 6/12V CHARGER.

The very latest, microprocessor-controlled technology guarantees first class battery charging, maximum safety and very simple operation. Charge levels are shown per LED display. Ideal for charging motorcycle and vehicle batteries, as well as safe charge retention. Including mounting hooks and an extensive range of accessories. 2A charging current and 14.7V maximum charging voltage. Suitable for 6/12V wet, AGM, start/stop and GEL batteries.

Art. No.: 1240000020



Banner 3A Accucharger
THE PERFECT ALL-ROUNDER.

Fully automated, 8-stage charging with automatic charge retention. LED text display with information and instructions in English, German and French. Extremely easy operation and maximum safety. Including mounting hooks and an extensive range of accessories. 3A charging current and 14.7V maximum charging voltage. Suitable for 12V wet, AGM, start/stop and GEL batteries.

Art. No.: 1240000030



Banner 6A Recovery Accucharger **THE UNIVERSAL CHARGING DEVICE.**

Fully automatic 8-step charging with automatic charge retention and special recovery mode for deeply discharged batteries. Animated LED text display with instructions and information in English, German and French. The latest technology for maximum safety and operational simplicity. An extensive range of accessories including mounting hooks and eyelet adapter.
6A charging current, charging voltage of up to 14.7V, (recovery mode 15.8V). Suitable for 12V wet, AGM, start/stop and GEL batteries.

Art. No.: 1240000260



12V
6A

Banner 10A Accucharger **IDEAL FOR LARGE VEHICLES, SUVS AND VANS.**

A powerful, fully automatic, 10A charger for the perfect charging of large batteries. Animated LED text display in English, German and French. The very latest charging programme in combination with maximum safety features and extremely easy operation. Including mounting hooks and an extensive range of accessories.
10A charging current and 14.7V maximum charging voltage.
Suitable for 12V wet, AGM, start/stop and GEL batteries.

Art. No.: 1240000112



12V
10A

Banner 10A/24V Accucharger **PERFECT FOR TRANSPORTERS AND TRUCKS.**

Fully automatic 24V charger for the perfect charging of large batteries. The very latest charging program in combination with maximum safety features and extremely easy operation. Animated LED text display in English, German and French.
Including mounting hooks and an extensive range of accessories.
10A charging current. Suitable for 24V wet, AGM, start/stop and GEL batteries.

Art. No.: 1240000124



24V
10A

Banner **ACCUCHARGER** ACCESSORIES.

Banner **Accucharger** **WALL BRACKET FOR ACCUCHARGER DEVICES.**

A robust holder for mounting on a wall or lifting platform, or in the service area.
Safe and functional anchorage of both the charger and cable.
Made from solid plastic and fittings are included.
Suitable for 6A, 10A and 10A/24V Accuchargers.
Art. No.: 1240000605 for 6A/10A-12V Accuchargers
Art. No.: 1240000606 for 10A-24V Accuchargers



Banner **BBC 12 Battery Controller** **THE BATTERY CONTROLLER WITH QUICK CHARGE CONNECTOR IS THE IDEAL CHARGING STATUS INDICATOR.**

Ideal for batteries that are difficult to reach and as a comfort display in the engine compartment.
The easy-to-read, multicolour LED display provides information regarding the charging status of the battery and warns of weak battery voltage (flashing red LED). The BBC12 convinces with the latest electronics, extremely simple installation and maximum safety derived from reverse polarity protection. M8 fused eyelet connection (6.7 mm), 600 mm cable. Suitable for cars and motorcycles with 12V wet, AGM and GEL batteries.
Charging connection suitable for all Banner 12V Accucharger devices.
Art. No.: 1240000612



Banner **BBC 24 Battery Controller** **THE BATTERY CONTROLLER WITH QUICK CHARGE CONNECTOR IS THE IDEAL CHARGING STATUS INDICATOR.**

This device is perfect for 24V batteries that are difficult to reach, or as a comfort indicator in the engine compartment. The easy-to-read, multicolour LED display provides information regarding the charging status of the battery and warns of weak battery voltage (flashing red LED). The BBC24 convinces with the latest electronics, extremely simple installation and maximum safety derived from reverse polarity protection. M10 fused eyelet connection (8.4 mm), 120 cm cable. Suitable for trucks, buses and construction machinery with 24V wet, AGM and GEL batteries.
Charging connection fits directly into all Banner 24V Accuchargers.
Art. No.: 1240000624



Banner **EX3 Accucharger extension cable** **INCREASED RANGE FOR YOUR ACCUCHARGER.**

The top quality EX3 extension cable allows the use of the Accucharger even at greater distances away from your vehicle's battery. It is suitable for all Banner Accuchargers and has a length of 3 m.
Art. No.: 1240000607



Banner **STARTING AIDS** **FOR PROFESSIONALS.**

Banner start boosters are fitted with special exchangeable AGM high-current batteries and are ideal for cars, trucks and construction machinery. They even provide reliable assistance in arctic temperatures.

P3 Professional EVO MAX Start Booster **PROFI 12V BOOSTER FOR ALL STANDARD VEHICLES.**

A powerful booster for standard cars and trucks. Possesses a switchable energy supply that can also be used for mobile devices such as electrical tools (230 V devices possible with converter). Solid design for professional use, simple and safe handling, including reverse polarity protection with optical and acoustic warnings.

A large LED display, robustness and fully insulated brass clamps with an LED work light all make work easier. Including a 25Ah AGM HD battery. Starting power of up to 3,100 A. Suitable for 12V wet, AGM and start/stop batteries.

Art. No.: 1220000702



P12/24 Start Truck EVO Start Booster **12V AND 24V BOOSTER FOR PROFESSIONAL USE.**

An optimised, powerful booster for all standard cars and trucks. Solid design for simple and safe handling, and including reverse polarity protection with optical and acoustic warnings. Can also be used to supply for mobile devices such as electrical tools with power (230 V devices possible with converter). A large LED display, robustness and fully insulated brass clamps with an LED work light all make work easier. Including a 25Ah AGM HD battery. Starting power of up to 3,200 A.

Suitable for 12/24V wet, AGM and start/stop batteries.

Art. No.: 1220000311



24V Lithium Jump Starter

24V LITHIUM BOOSTER FOR USE AS A BACK-UP SYSTEM.

High-performance jump starter with the very latest lithium-ion technology for extremely powerful start performance, low self-discharge (up to 70% performance after 2 years) and quick recharging with maximum safety.

Ideal as a back-up system for weak batteries.

Robust design and including an LED work light, as well as a wide range of accessories.

Minimum dimensions and a weight of only 2.2 kg!

Ideal for trucks, buses, construction and agricultural machinery, also as a back-up system.

Suitable for 24V wet, AGM and start/stop batteries.

Art. No.: 1220009000



Banner Memory Saver

PREVENTS THE LOSS OF VEHICLE DATA.

Voltage supply via the OBD plug in the vehicle. Enables the retention of vehicle data such as navigational aid settings, telephone directory, radio stations, electrical sitting position, etc. during battery changes.

Includes battery, charging status indicator and chargers.

Suitable for all standard vehicles with a 12V battery.

Art. No.: 1030003000



Banner **BATTERY TESTER**

THE CERTAINTY DERIVED FROM CONTROL.

Load, measure and test! Using Banner testers, batteries can be checked quickly and easily.

Banner **BBST 2.0 Battery Service Tool** THE PERFECT TOOL FOR BATTERY EXCHANGES.

Configuration of the battery in vehicles with battery management systems.
Integrated battery finder for the identification of the suitable replacement battery.
Read out and erasure of the standard and special manufacturer fault codes.
In-vehicle, battery/charging system test. Self-explanatory menu guidance using the symbols on the display. Battery change and new battery teach-in within minutes.
Support of the vehicle's electrical system during battery substitution.
Free software updates for 12 months.

Art. No.: 1210005000



Banner **BBT 605 Battery Tester** THE OPTIMUM TOOL FOR BATTERY RETAILERS.

Measurement algorithm for motorcycle, car and truck batteries.
Quality check for the rapid measurement of several identical batteries.
Test range: 100–2000 CCA/ EN/SAE/DIN.
Differentiation between new/used, 6V/12V lead-acid, AGM and GEL batteries.
Possibility for individual, print-out header design (e.g. company name).
Software update possible, integrated printer, operation in 24 languages.

Art. No.: 1210000605



Banner **BBT 305 Battery Tester** PROFESSIONAL TEST DEVICE WITH PRINTER.

Differentiation between new/used, 12V lead-acid, AGM and GEL batteries.
Test range: 100–900 CCA/ EN/SAE.
Includes system test for the voltage of the starter and charging systems.
Possibility for individual, print-out header design (e.g. company name).

Art. No.: 1210000305



Banner **BBT HD1 Battery Tester** HEAVY DUTY BATTERY TESTER INCLUDING PRINTER.

The ideal tool for measuring motorcycle, car and truck batteries.
Solidly built and incorporating 12V and 24V battery charging system test.
Simple operation, high precision and possibility for immediate, measurement result print-out.
Operation in a choice between the DE, EN, FR, IT, CZ and RU languages.
Including software for the PC logging of the measurement results.
Suitable for 6/12V wet, AGM, start/stop and GEL batteries.

Art. No.: 1210000290



Banner BT 301 Battery Tester
TESTING DEVICE FOR 6 AND 12 V BATTERIES.

Including integrated printer for immediate print-outs.
Cold start current, SOC and SOH testing,
various standard systems (DIN, SAE, EN, IEC).
Test range: 40–2100 EN.
Including impact protection and four paper rolls.
Suitable for 6/12 V wet, AGM and GEL batteries.
Art. No.: 1210000250



Banner BBT DBA Digital Battery Analyzer
THE QUICK TESTER FOR 12V BATTERIES.

Tests battery voltage and cold cranking amps (CCA) from 90 to 1,125A EN. Including a vehicle charging system test, large display and simple operation. An LED (green/yellow/red) shows the battery status immediately. Suitable for 12V wet, AGM and GEL batteries.
Art. No.: 1210000131



Banner BBT DV1 Digital Voltmeter
VOLTMETER FOR VEHICLE BATTERY TESTING.

Handy voltmeter for the measurement of voltages in 6/12V batteries.
Easy to read LCD display and high precision.
Complete with result evaluation table.
Including reverse polarity and overvoltage protection.
Art. No.: 1210000121



Banner BBT LED Tester
12V BATTERY AND CHARGING SYSTEM TESTER.

A handy device for measuring vehicle battery voltage, start performance and charging systems. 18 x LED display, microprocessor-controlled measurement for immediate results. Reverse polarity protection, insulated clamps, IP65.
Suitable for 12V wet, AGM and GEL batteries.
Art. No.: 1210000111



12V 420A Load Tester
BATTERY LOAD TESTER FOR PRECISE RESULTS.

Testing device for the measurement of capacity and cold start current values.
With LED digital display and USB/RS232 interface for the processing and print-out of test results on a PC. RC test (25A, 10.5V end-point discharge voltage), K20 test, parallel linkage with up to four devices.
Discharge current: 1-420A, discharge duration: 1-60 sec.
Discharge end point -U: 8.4 / 9 / 9.4 / 10 / 10.5 / 11V, interface: USB / RS232,
Dimensions: 260 mm x 220 mm x 270 mm, suitable for 12V wet, AGM and GEL batteries
Art. No.: 1240001800



Battery Tester

TEST RESULTS AFTER ONLY 10 SECONDS.

Car and motorcycle battery analyses using capacity testing (up to 100Ah). Tests the voltage of the starter and charging systems. Suitable for 12V wet, AGM and GEL batteries.

Art. No.: 1210000200



6/12V
100A

Digital Battery Tester

TEST RESULTS AFTER ONLY 10 SECONDS.

LED display, temperature equalisation, car and motorcycle battery analyses using capacity testing (up to 100Ah). Tests the voltage of the starter and charging systems. Suitable for 12V wet, AGM and GEL batteries.

Art. No.: 1210000225



6/12V
100A

Battery Tester 500A2

LOAD TESTER UP TO 500 AMPERE.

Tests 12V batteries, starters and dynamos. 2 displays for current and voltage. Battery testing up to 1000 CCA. Fully insulated battery clamps with copper inserts.

Art. No.: 1210000230



12V/
500A

Refractometer

ACID TESTER.

Optical measurement device for battery acid, coolant and anti-frost, windscreen cleaning agents. Easy-to-read scale, acid-resistant design

Dimensions: approx. 17 x 4 x 4cm

Art. No.: 1210000900



Areometer

ACID TESTER.

Areometer for acid density measurement.

Safe and fast read-offs.

160 mm, bulbous glass body.

Colour and numerical scales from 1.10 to 1.30

Art. No.: 1030001400



Banner *SERVICE PRODUCTS* FOR LONG BATTERY LIFE.

Everything that one needs for the optimum care and maintenance of Banner batteries.

Degassing hose + elbow

Degassing hose of the safe degassing of batteries installed in vehicle interiors.
Hose length 90 cm including elbow.

Art. No.: 1030001700



Banner terminal protection spray

For the care of battery terminals and clamps
The terminal spray provides lasting and effective protection against corrosion, thereby guaranteeing a good, uniform current flow.
Gas-tight connection of the battery terminals and clamps.

Contents: 400ml

Art. No.: 1000000110



Banner terminal grease

For the protection of battery clamps.
Prevents the formation of corrosion and transfer resistance.

Contents: 1kg

Art. No.: 1000000200



Banner Neutralon spray

Neutralises spilt battery acid.
Neutralisation shown by means of a colour indicator.
Suitable for paints, rubber, cables, plastics, metals and textiles.

Contents: 1000ml

Art. No.: 1010001200



US 3/8" side terminal on a DIN terminal

Adapter with a 3/8" winding on a DIN terminal

US 3/8" side terminal on a DIN terminal +
Art. No.: 1020000500

US 3/8" side terminal on a DIN terminal -
Art. No.: 1020000600



Ford battery clamps

Battery clamps for Ford. Set +/-:
Art. No.: 1020001200



Thin DIN terminal sleeves

For Uni Bull 50400 and Power Bull P4025, P4026, P4027.

Thin DIN terminal sleeves+
Art. No.: 1020001300

Thin DIN terminal sleeves-
Art. No.: 1020001400



Battery clamps for thin terminals

Suitable for Uni Bull 50400, Power Bull P4025, P4026 and P4027.

Terminal-: 11,2 mm
Art. No.: 1020001700

Terminal+: 12,8 mm
Art. No.: 1020001800



Standard battery clamps

Standard negative terminal -. ø 15.9mm
Art. No.: 1020001900

Standard positive terminal +. ø 17.5mm
Art. No.: 1020002000



US vehicle battery clamps

Suitable for various US vehicles -: 15.9 mm
Art. Nr.: 1020001100

Suitable for various US vehicles +: 17.5 mm
Art. Nr.: 1020002100



Quick battery clamps

Quick Power -: 15.9mm including blue plastic cover
For cable cross-sections of up to 50mm²

Art. No.: 1020002200

Quick Power +: 17.5mm including blue plastic cover
For cable cross-sections of up to 50mm²

Art. No.: 1020002300



Peugeot battery clamps

Lead-coated and suitable for various Peugeot cars +: 17.5mm

Art. No.: 1020002500

Lead-coated and suitable for various Peugeot cars -: 15.9mm

Art. No.: 1020002400



DIGATRON vertical connecting cable

Suitable for conical DIN and Ford terminals. A highly flexible, PVC-insulated copper cable with short circuit protection, simple handling and insulated clamps.

600V resistance. Constant current up to 60A, 45cm cable, 10mm² cable cross-section.

Art. No.: 1030000901



Banner terminal brush

For the professional cleaning of battery terminals.

Art. No.: 1030001500



Battery stopper key

For the opening of battery stoppers.

Suitable for all standard batteries.

Art. No.: 1030001600



Water refill bottle with nozzle

Manufactured in special acid-, oil- and solvent-resistant plastic. The nozzle in the bottle neck stops the flow of water as soon as the right level is exactly reached.

Contents: 2L

Art. No.: 1040000400



INDUSTRIAL BATTERIES

ENERGY SOLUTIONS FOR THE TRACTION AND EMERGENCY POWER SUPPLY AREAS.

RECHARGEABLE "POWER PLANTS".

Banner's industrial batteries are reliable and powerful power packs, which are employed in every area of the drive-device-stationary battery sector. These applications extend from electric stackers, lifting platforms, AGVs and golf carts, to safety, emergency power and signal systems, as well as including renewable energy supply, electrical wheelchairs and camping/boat/caravan power systems. Banner supplies these special batteries in the form of the Traction Bull, the Standby Bull and the Traction Bull Bloc in wet, AGM and gel versions. This guarantees that the optimum battery is always employed for the specific application in question. Professional chargers and a comprehensive accessory/spare part programme make Banner industrial batteries a reliable Golf carts.



Communications systems
and telecommunications



Emergency power generators



Explosion protection



Golf carts



AGVs



Small stackers



Sweeping machines



Forklifts



Lifting platforms



Haulers

TRACTION BULL – THE DRIVING FORCE.

RELIABLE, LONG SERVICE LIFE.

Traction Bull batteries are ideal for stackers, skids, baggage tractors and other electric vehicles. These high-output power packs are manufactured using two technical systems. The Traction Bull Nass (Wet) employs liquid electrolyte, while Traction Bull Gel uses maintenance-free gel technology. Both battery types are utilised wherever long service life, maximum reliability, top performance and cyclical resistance are required.





AGVs



Small stackers



Sweeping machines



Forklifts



Lifting platforms



Haulers

TRACTION BULL NASS (WET)

OPTIMUM COST EFFICIENCY UNDER HIGH CYCLICAL LOADS.

The Banner Traction Bull PzS/PzB is a lead-acid battery containing liquid electrolyte. This battery is used wherever extensive service life, great reliability and cyclical resistance are needed. PzS batteries are recognised generally as the most cost-efficient and best-proven solution for electrical storage in AGVs, skids and other e-vehicles with high energetic and cyclical requirements.

TECHNICAL DATA AND INFORMATION

- ▶ Robust lead-acid technology battery with liquid electrolyte
- ▶ Proven tubular plate technology for high performance and reliability
- ▶ Top design, material and processing standards (EN 60254-2, IEC 254-2)
- ▶ High cyclical resistance



DESIGN

- ▶ Positive tubular plates
- ▶ High capacity for running times and long battery life
- ▶ High energy density
- ▶ Fully insulated terminals and connectors
- ▶ Electrolyte-tight terminals
- ▶ Insulated, maintenance-free terminal screws



APPLICATIONS

- ▶ Skids
- ▶ Sweeping machines
- ▶ Lifting platforms
- ▶ Special applications (AGVs, skids)
- ▶ Etc.

OPTION

In order to replace the water used during electrolysis automatically, Banner Traction Bull batteries can be fitted with a filling system, which guarantees quick, safe and clean refills. This filling system reduces the maintenance requirement and prolongs battery service life.

OPTION: ELECTROLYTE CIRCULATION

In the case of extreme loads, a pump module ensures homogenous mixing during charging. This prevents electrolyte and temperature stratification, which in practice results in a 20 per cent cut in the energy requirement, charging time reductions of up to 30 per cent and a lowering of water consumption by as much as 80 per cent.

TRACTION BULL EX **FOR EXPLOSION SAFETY.**

Traction Bull ATEX batteries are the solution for the drive systems of forklift trucks in areas subject to the danger of explosion. The new drive battery series possesses special accreditation for use in the 1-2 (gas) and 21-22 (dust) zones.



TRACTION BULL GEL **OPERATIONAL RELIABILITY AND MAINTENANCE-FREE.**

The Banner Traction Bull PzV/PzVB is a maintenance-free, gel technology drive battery, which is used wherever long service life, great reliability, high performance and cyclical resistance are required. PzV batteries are ideal for forklifts, e-vehicles, diesel-powered vehicles, cleaning and sweeping machines and AGVs. Due to its high levels of operational safety, this series is especially suitable for applications in the foods, pharmaceutical and chemicals industries.

TECHNICAL DATA AND INFORMATION

- ▶ Zero maintenance (no topping up with water during the battery's entire service life)
- ▶ Proven tubular plate technology for high performance and reliability
- ▶ Top design, material and processing standards (EN 60254-2, IEC 254-2)
- ▶ High cyclical resistance
- ▶ Solid electrolyte as a safeguard against leaks
- ▶ Very low self-discharge
- ▶ Minimum gassing during operation



DESIGN

- ▶ Positive tubular plates.
- ▶ High capacity for long running times and extended battery life.
- ▶ High energy density.
- ▶ Fully insulated terminals and connectors.
- ▶ Electrolyte-tight terminal design.
- ▶ Insulated, zero-maintenance terminal screws

APPLICATIONS

- ▶ Industrial trucks
- ▶ Sweeping machines
- ▶ Lifting platforms
- ▶ Special applications (AGVs, skids)
- ▶ Etc.

TRACTION BULL BLOC

THE INEXPENSIVE DRIVE ALTERNATIVE.

The Banner Traction Bull Bloc is especially suitable for problematic tasks in the small traction area and as a series, represents a reasonably priced alternative to classic drive batteries. In addition, the Traction Bull Bloc batteries stand out due to their robust design, long service life and above all, high levels of cyclical resistance. The Traction Bull Bloc range also offers a choice of technologies in the form of the Traction Bull Bloc Gel, AGM and Wet variations.

TRACTION BULL BLOC DRY BULL

The Banner Trac Bull Bloc DB is a closed, valve-controlled lead battery with gelatinised electrolyte. The imbedding of the electrolyte in a gel prevents leaks and the problem of acid stratification. Using recombination (the decomposition of the water is almost entirely compensated for by the recombination of hydrogen on the positive plates), the life of the battery remains unaffected by water losses. The sealed battery system prevents electrolyte leakage and minimum self-discharge means that the maintenance-free Traction Bloc Bull Gel can be stored for longer periods than standard lead-acid batteries.

TECHNICAL DATA AND INFORMATION

- ▶ Block batteries with a rated voltage of 6 and 12 V
- ▶ Zero-maintenance during the entire service life
- ▶ Recommended temperature range of 20°C
- ▶ Low self-discharge
- ▶ Can be used in any position
- ▶ Non-corroding terminals
- ▶ No hazardous substances according to FAA and IATA
- ▶ Long storage capacity



DESIGN

- ▶ Positive electrode: lead/calcium, high-performance mesh with pasted active mass
- ▶ Negative electrode: lead/calcium, high-performance mesh with pasted active mass
- ▶ Micro-porous synthetic separator
- ▶ Casing material: polypropylene
- ▶ Electrolyte: high-purity sulphuric acid embedded in a gel
- ▶ Terminal design: electrolyte-sealed, safety terminal
- ▶ Cell connection: welded on the inside through the casing wall
- ▶ Cell stopping: safety valve with overpressure ventilation system

APPLICATIONS

- | | |
|---------------------|--------------------|
| ▶ Golf caddies | ▶ Camping/caravans |
| ▶ Lifting platforms | ▶ Wheelchairs |
| ▶ Cleaning machines | ▶ Marine |
| ▶ AGVs | ▶ Etc. |

TRACTION BULL BLOC GIS

IDEAL FOR SMALL TRACTION APPLICATIONS.

The Trac Bull Bloc GIS batteries with liquid electrolyte and grid-type plate technology represent a powerful, reasonably priced alternative to classic drive batteries. GIS batteries stand out due to their robust design, extremely strong grid-type plates and special alloying. Other advantages include a long service life and high cyclical resistance. These batteries are mainly used in the small traction area.

TECHNICAL DATA AND INFORMATION

- ▶ Block batteries with a rated voltage of 6, 8 and 12 V
- ▶ High cyclical resistance
- ▶ Recommended temperature range of 20°C
- ▶ Robust design
- ▶ Long service life
- ▶ Extremely thick grid plates
- ▶ Special separators
- ▶ First fitter quality



DESIGN

- ▶ Very thick positive and negative plates
- ▶ Special plate design for improved active mass adhesion and improved conduction
- ▶ Innovative separators
- ▶ Electrolyte: diluted sulphuric acid
- ▶ Casing material: polypropylene
- ▶ Special, patented active mass composition
- ▶ High antimony content



APPLICATIONS

- ▶ Small stackers
- ▶ Lifting platforms
- ▶ E-vehicles
- ▶ Cleaning machines
- ▶ Golf carts
- ▶ Etc.

OPTION

In order to replace the water used during electrolysis automatically, Banner Traction Bull batteries can be fitted with a filling system, which guarantees quick, safe and clean refills. This filling system reduces the maintenance requirement and prolongs battery service life.

TRACTION BULL BLOC PZF

Banner Traction Bull Bloc PzF batteries with liquid electrolyte and tubular plates represent a powerful and reasonably priced alternative to conventional drive batteries.

PzF batteries are characterised by robust, positive tubular plates and demonstrate additional advantages such as a long service life and high cycle resistance (up to 1100 cycles at 80% K5 discharge depth). In general, these batteries are employed in the small traction area .

TECHNICAL DATA AND INFORMATION

- ▶ Block batteries, 6 V and 12 V rated voltages
- ▶ High cyclical resistance
- ▶ Recommended temperature range of 20° C
- ▶ Robust design
- ▶ Long service life
- ▶ High quality tubular plate design
- ▶ Reliable and durable



DESIGN

- ▶ Positive tubular plates and negative grid plates
- ▶ Special plate design for improved adhesion of the active mass and transmission
- ▶ Innovative separators
- ▶ Sulphuric acid diluted with electrolyte
- ▶ Polypropylene casing material
- ▶ High antimony content

APPLICATIONS

- ▶ Lifting platforms
- ▶ Golf carts
- ▶ Small stackers
- ▶ Cleaning machines
- ▶ Etc.

TRACTION BULL BLOC AGM DEEP CYCLE

Banner Traction Bull Bloc AGM batteries are valve-regulated, lead batteries for cyclical applications. As maintenance free block batteries, they are especially suited to the small traction segment. The use of absorbent glass mat technology (microfibre nonwoven web) means that the electrolyte is bound in and therefore the batteries are maintenance-free and leak proof.

TECHNICAL DATA AND INFORMATION

- ▶ Block batteries, 12V rated voltage
- ▶ Absolute maintenance-free throughout the life of the battery
- ▶ Low self-discharge
- ▶ High initial capacity
- ▶ Corrosion-resistant terminals
- ▶ Not classified as a hazardous item pursuant to FAA and IATA (according to Packaging Directive 806)



DESIGN

- ▶ Positive electrode
Lead/calcium, high performance grid with pasted in active mass
- ▶ Negative electrode
Lead/calcium, high performance grid with pasted in active mass
- ▶ Microporous glass fibre separator
- ▶ Electrolyte
Sulphuric acid bound into a microfibre nonwoven web
- ▶ Terminals
Safety terminal with electrolyte-tight sealing
- ▶ Cell connections
Internal welding through the casing wall
- ▶ Cell plugs
Safety valve with overpressure ventilation system

APPLICATIONS

- | | |
|-----------------------|------------|
| ▶ Rehabilitation area | ▶ Scooters |
| ▶ Wheelchairs | ▶ Marine |
| ▶ Camping | ▶ Etc. |
| ▶ Caddies | |

TRACTION BULL BLOC WET GIS DEEP CYCLE

Traction Bull Bloc GiS/DC batteries containing liquid electrolyte stand out due to their excellent price/performance ratio. These GiS/DC batteries are also characterised by a robust design and enhanced plates with high mass utilization. Further advantages are long service life and impressive cycle-resistance.

TECHNICAL DATA AND INFORMATION

- ▶ Lead/acid block battery in 6V, 8V and 12V versions
- ▶ Cyclical resistance
- ▶ Recommended temperature range approx. 20° C
- ▶ Robust design
- ▶ Long service life
- ▶ Enhanced plates



DESIGN

- ▶ Special plate design for cyclical use
- ▶ Electrolyte, diluted sulphuric acid
- ▶ Polypropylene box material
- ▶ Active mass with special additives for cyclical applications
- ▶ An Aquamatik system can be installed as an option
- ▶ Self-discharge approx. 5 % per month at 20° C

APPLICATIONS

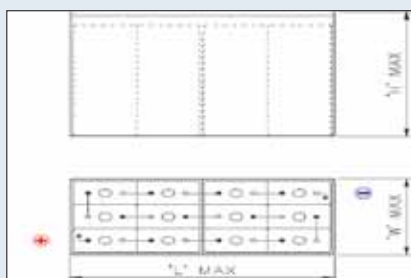
- ▶ Lifting platforms
- ▶ Golf carts
- ▶ E-vehicles
- ▶ Small stackers
- ▶ others

TRACTION BATTERY ENQUIRY DATASHEET

Company data or stamp	
Customer no.	
Company	
Address	
Postal code	
Contact partner	
Telephone	
E-mail	

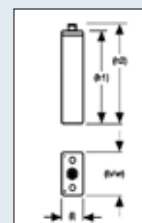
Vehicle	
Vehicle make/manufacture	
Type	

Battery	
Voltage / Type, e.g. 24 V 3 PzS 345	
Tray dimensions	
Length a	
Width b	
Height h1/h2	



If necessary, battery tray sketch and cell layout

Tray cover	Yes		No	
Cell dimensions	Length a			
	Width b			
	Height h1/h2			



If the battery type is unknown, please provide the cell dimensions

Accessories							
Aquamatik / BFS	Yes		No		EC*	Yes	No
Plug data							
Cable length					Ampere		

STAND BY BULL – THE EMERGENCY SUPPLY BATTERY.

THE POWER RESERVE.

The Stand By Bull series consists of genuine emergency power supply batteries for areas of major relevance to safety and security. In the case of primary supply failures, these batteries ensure an uninterrupted flow of power to large computer centres, security systems (alarms, emergency exits), renewable energy sources, the diesel starters of generators and emergency systems (switchgear and transmitters). Banner offers the Stand By Bull in lead-acid, gel and web technology versions.



Fire protection
systems



Emergency power
generators



Energy parks



Transformer
stations



Electricity



Alarm systems



Renewable energy



UPS



Emergency/escape
route lighting



Communications systems
and telecommunications

This product overview is intended to assist the finding of the correct battery for the respective application. It shows the extent of the Banner range and offers a choice for a tailor-made battery concept. Banner customer advisors from both the sales force and sales office teams are more than happy to assist in the search for the most cost-efficient answer to every enquiry. After all, the Stand By Bull from Banner adds up to greater quality, safety and performance.

BATTERY TYPE	OPzS cell	OPzS bloc	OGi bloc	SBV bloc	SBX bloc
APPLICATIONS Other or misused applications can reduce the performance of the life span of the battery.	 Telecommunications Emergency power supply Solar operation Safety lighting Power station operation	 Emergency power supply Radio links Safety lighting Solar operation	 Diesel starting Safety lighting UPS systems	 Fire alarm systems UPS systems Diesel starting Safety lighting	 UPS systems High-current application Safety lightning
System	Closed	Closed	Closed	Sealed	Sealed
Capacity range in Ah	100 – 3000 ■	50 – 300 ■	25 – 300 ■	18 – 250 ■■	18 – 250 ■■
Voltage	2V single cells	6V, 12V bloc bat.	6V, 12V bloc bat.	12V bloc bat.	12V bloc bat.
Positive electrode	Tubular plates	Tubular plates	Grid plates	Grid plates	Grid plates
Alloy	Lead-antimony	Lead-antimony	Lead-antimony	Lead-calcium	Lead-calcium
Electrolyte	Liquid	Liquid	Liquid	AGM **	AGM **
Typical discharge times	1h – 10h	30min – 10h	5min – 1h	5min – 1h	5sec – 30 min
Water refilling intervals (with ceramic plugs)	3 years	2 years	2 years	Not required	Not required
Electrolyte-tight, screwed terminal design, fully insulated	●	●	●	●	●
Standard/hinged cover ●	●	●	●		
Valve				●	●
Ventilation requirement (accord. VDE 0510)	5	5	5	1	1

OPZV cell	FAV bloc	FPL bloc	SCV cell	SBG bloc	GiV bloc	GiV-S bloc	GiVC bloc
							
Solar operation Substations Telecommunications Emergency power supply	UPS systems Telecommunications Switchgear Traffic technology	UPS systems Telecommunications Power station operation	UPS systems Switchgear Telecommunications Safety lighting	Mobile radio Railway technology Remote control systems Emergency power supply	Safety lighting Danger warning systems UPS systems Fire alarm systems	UPS systems Leisure and domestic appliances	Golf caddies Solar operation Wind power plants Rehabilitation technology
Sealed	Sealed	Sealed	Sealed	Sealed	Sealed	Sealed	Sealed
200 - 3000 ■	40 - 180 ■	100 - 190 ■■	50 - 3850 ■	18 - 230 ■■	1.3 - 70 ■■	5.4 - 45 ■■	18 - 250 ■■
2V single cells	12V bloc bat.	12V bloc bat.	2V single cells	6V, 12V bloc bat.	6V, 12V bloc bat.	12V bloc bat.	6V, 12V bloc bat.
Tubular plates	Grid plates	Grid plates	Grid plates	Grid plates	Grid plates	Grid plates	Grid plates
Lead-calcium	Lead-calcium	Pure lead	Lead-calcium	Lead-calcium	Lead-calcium	Lead-calcium	Lead-calcium
Gel *	AGM **	AGM **	AGM **	Gel *	AGM **	AGM **	Gel *
30min - 10h	5min - 1h	5min - 20h	30min - 3h	30min - 3h	5min - 1h	3min - 30min	30min - 10h
Not required	Not required	Not required	Not required	Not required	Not required	Not required	Not required
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
1	1	1	1	1	1	1	1

* With gelatinised electrolyte
 ** With absorbed electrolyte in a glass fibre mat
 Standard
 ■ Ah - C10/20 °C
 ■■ Ah - C20/20 °C
 ■■■ Ah - C5/20 °C

STATIONARY BATTERY CHARGING SYSTEMS – SAFETY FIRST!

When it is vital that a system not go down owing to a power failure, total safety is the number one priority. Therefore, Banner initially determines factors such as the time-related energy requirement, the desired service life and the need for high cyclical resistance. On this basis, Banner offers top quality for the four main areas of application comprised by uninterrupted power supply (UPS), safety lighting, electricity generators for telecommunications systems/transformer substations and charging technology for renewable energy island solutions.

PSS POWER SUPPLY UNIT – SAFETY USING 19" PLUG-IN TECHNOLOGY.

Whether for telecommunications and IT, railway signal system, or the own consumption systems of power plants and transformer substations, the Banner PSS power supply unit with 19" plug-in technology is the first choice when it comes to maximum security of supply.

APPLICATIONS

- ▶ Secured DC current supply in parallel stand-by rectifier and battery operation
- ▶ Direct feeding of DC consumers
- ▶ Telecommunications and IT
- ▶ Railway signal systems
- ▶ Process control technology in the chemicals industry
- ▶ Plant control systems, e.g. low-voltage transformer substations
- ▶ Own requirement systems in power plants and transformer substations
- ▶ Emergency power supply on ships and rail vehicles
- ▶ Technical industrial applications



SIBECONTROL EMERGENCY SUPPLY DEVICE – COMPATIBLE WITH 19" PLUG-IN TECHNOLOGY.

Sibecontrol stands out due to a fully automatic monitoring system and a modular 19" plug-in design with practical swing frame. The stable, steel sheet cubicle door has a window that allows quick overviews even when the door is closed.

APPLICATIONS

- ▶ Fully automatic, processor-controlled monitoring systems
- ▶ Modular 19" plug-in design on a swing frame
- ▶ Steel sheet cubicle door with window
- ▶ Individual switching with free programming per power circuit (DL, BL, DLS, TLS)
- ▶ Integrated, freely selectable individual light or power circuit surveillance
- ▶ Central substation monitoring
- ▶ Free PC programming of plant/customer data
- ▶ Individual light monitoring with target location information in clear text
- ▶ Internal and external bus system
- ▶ Automatic hardware recognition, even for subsequently inserted modules



BATTERY SHELVES, BATTERY CUBICLES AND ACCESSORIES – STATIONARY APPLICATIONS IN PERFECTION.

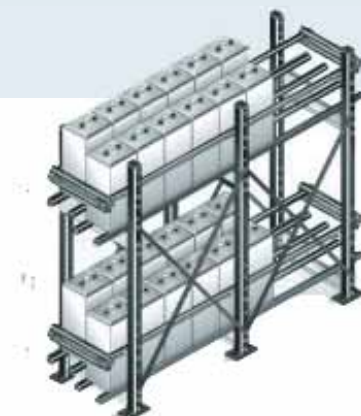
Banner supports its customers not only with the planning, punctual delivery, installation and start-up of the complete system and permanent service, but also delivers tailor-made battery shelving and cubicles. Banner provides secure customised systems, which are available whenever required.

BATTERY SHELVING – UNDOUBTEDLY THE BEST CHOICE.

Banner provides standard and special shelving in earthquake- and tipping-resistant versions. The surfaces are sintered for the highest resistance to corrosion. The shelves have height-adjustable feet, which can be matched to any flooring situation.

VERSIONS

- ▶ Standard/special shelving in a practical, modular design system
- ▶ Earthquake- and tipping-resistant versions
- ▶ Fully insulated, acid-resistant longitudinal and transverse supports with PE sintered coating
- ▶ Quick, easy and clean assembly
- ▶ Tension resistance tested according to DIN VDE 0100 and DIN VDE 0510 TÜV
- ▶ Simple earthing
- ▶ Height-adjustable feet in insulated plastic



BATTERY CUBICLES – A TOP CLASS, INGENIOUS SYSTEM.

Fully redesigned for optimum operating conditions. This battery cubicle system facilitates complete battery use in series. In this regard the innovative modular design system offers decisive advantages.

ADVANTAGES

- ▶ Multifarious possibilities for diverse cubicle versions
- ▶ Guaranteed, optimum storage of various battery blocks/cells
- ▶ Adjustments to available systems in dimensions and colours
- ▶ Finishing, supply and assembly in a very short period



... AND THE ACCESSORIES MAKE THE SYSTEM PERFECT.

Banner accessories ensure optimum installation and monitoring. Connections are provided in every length and cross-section with the matching anchorage materials, positive/negative terminal covers, system-adjusted battery connections (BAE fuse), battery monitoring units (BACS), electrolyte sumps, terminal grease and an extensive range of maintenance accessories.

CHARGING TECHNOLOGY – OPTIMUM BATTERY CARE SAVES HARD CASH.

HOW ONE CHARGES TODAY.

Using modern, Active Inverter technology from Banner, all the batteries for stackers, industrial trucks, lifting platforms and many other pieces of equipment are not only charged in optimum fashion, but also highly economically. This fact has been proven by a test of the logistics of a leading foods supplier, which demonstrated that as compared to out-of-date systems, with Banner charging up to 30 per cent of energy costs could be saved. This technology also offers other unbeatable advantages that include the charging of many differing batteries, the central control of all the charges via LAN and the definition of charging time by real time clocks. This means that low load charges can be employed, all the battery charging data can be logged via Wi-IQ and the charging device adjusts automatically to the battery temperature, thus offering a type of smart loading.





Small stackers



Sweeping machines



Forklifts



Lifting platforms



Golf carts



Haulers

Banner **CHARGERS** –

MAXIMUM EFFICIENCY AND HIGHLY INTELLIGENT CHARGING.

Banner chargers are highly sophisticated devices, which apart from their attractive design, impress primarily due to technical innovations. Active inverter technology with the revolutionary Ri charging process (8kW and 16kW output classes) adjusts to battery needs and only charges the battery with the amount of current that it actually requires. LED strips for the improved visualisation of the status display (including the “coolest battery” indication) represent a standard Banner feature.

TECHNICAL DATA AND INFORMATION

- ▶ HF technology
- ▶ First class efficiency through the maximum degree of effectiveness
- ▶ Protective battery charging and therefore low battery warming
- ▶ Reduced water consumption
- ▶ Lower energy consumption and therefore significant cost savings
- ▶ Additional characteristics can be pre-programmed
- ▶ Robust design
- ▶ Reduction in servicing frequency
- ▶ Longer battery service life



APPLICATIONS

- ▶ Intra logistic
- ▶ Industrial trucks
- ▶ Sweeping machines
- ▶ Lifting platforms
- ▶ Special applications (AGVs, skids)
- ▶ Vehicles for disadvantaged persons
- ▶ Wheelchairs

OPTIONS

- ▶ External start/stop
- ▶ Unintentional start-up protection
- ▶ Battery filling system control
- ▶ AIR Plus electrolyte circulation
- ▶ Etc.

Banner PULSE CHARGER – UNCOMPROMISING ECONOMIC RELIABILITY.

For many years, the Banner PULS device family has been characterised by high levels of reliability in combination with optimum cost-efficiency during tough operation. Proven pulse charging on the basis of the Wa characteristic is used as a standard process. As compared to standard Wa and Wsa charging, the Banner PULS series stands out due to reduced water consumption and low gas development in the post-charging phase in combination with a simultaneously smaller classification. Accordingly the Banner PULS series represents an economic charging system for drive batteries.

TECHNICAL DATA AND INFORMATION

- ▶ A modern pulse charge system for wet batteries
- ▶ Charging times of 6.5 – 14 h possible
- ▶ Reduced battery water consumption and thus a low maintenance requirement
- ▶ Lower gas development in the post charging phase, calculation according to the ZVEI "Aeration of battery rooms for drive batteries" code of practice
- ▶ Automatic charging procedure, automatic equalising charging
- ▶ Energy savings and battery protection through variable post charging times (longer battery life)
- ▶ Simple operation, therefore automatic charging start, but "switching on" may not be forgotten
- ▶ Charging status lights



APPLICATIONS

- ▶ Industrial trucks
- ▶ Sweeping machines
- ▶ Lifting platforms
- ▶ Special applications (AGVs)
- ▶ Skids
- ▶ Etc.

OPTIONS

- ▶ Electrolyte circulation
- ▶ Aquamatics

THE HF BASIC – Banner UNIVERSAL CHARGER.

The Banner HF BASIC charger is a proven device for both industrial and leisure purposes, as evidenced by its great success in the commercial cleaning and sport segments. Indeed, leading manufacturers of both cleaning equipment and golf carts employ the Banner HF BASIC charger.

PRODUCT HIGHLIGHTS

- ▶ HF technology
- ▶ A microprocessor-controlled charging process
- ▶ Energy efficiency (> 90 % device efficiency level)
- ▶ Flexible characteristics for wet, GEL and AGM batteries
- ▶ The equalisation of network voltage fluctuations
- ▶ Protection against reverse polarity and short circuits
- ▶ An LED display
- ▶ Many more besides ...



APPLICATIONS

- ▶ Cleaning machines
- ▶ Wheelchairs
- ▶ E-scooters
- ▶ Invalid carriages





AGS SERVICE – PERFECT SUPPORT FOR MAXIMUM CUSTOMER SATISFACTION.

ALL-ROUND SAFETY.

It is clearly evident that perfect service not only creates the ideal conditions for battery service life and safe function, but also satisfied customers. In this regard, Banner's full service package for the AGS segment leaves no wish unanswered. Whether for leasing via a rental service, spare part supply or battery service, Banner assists its customers in every respect and thus supports a smooth, cost-efficient operation.

Banner SERVICE

THE COMPLETE RANGE OF A MAJOR BRAND.

Banner is more than a battery manufacturer, as its main priority is thinking in terms of customer advantages. This approach commences with the quality and technical superiority of its products. Indeed, a response to new challenges creates great potential for innovations and ongoing improvements with regard to both products and in-company efficiency. Banner offers its customers systematic, full service packages from project planning and realisation to after sales support and therefore assists its customers in every phase. Moreover, new services such as Banner Rental are continually being created.

BATTERY LEASING VIA THE RENTAL SERVICE OFFERS MANY ADVANTAGES

No capital commitment. Battery purchases involve pre-financing for use in subsequent periods and amortisation is only achieved after several years. Leasing saves capital commitment and frees up funding for other projects.

High operational security. Optimum battery maintenance guarantees minimum standstills and downtimes.

Budget certainty. As costs are known and fixed from the outset, there are no financial surprises.

Individual solutions. A rental solution accommodates individual requirements and facilitates great flexibility.

RENTAL SERVICE

Bottlenecks due to peak loads? Not enough batteries? No problem! Banner leased batteries are always available for one day, one week or several months as required. Banner offers a maximum degree of flexibility.

SPARE PARTS

Original spare parts are the only means of preventing premature wear, offer optimum safety, minimise downtimes and maintain reliable operational readiness. Banner provides a comprehensive spare part service and can guarantee excellent availability levels owing to its highly modern computing network, which extends right across Europe.

SERVICE

Banner does not merely offer its customers repairs. Clients can put together a service package in line with their individual requirements. A choice is available between regular maintenance and the Banner full service package on a quarterly, half-yearly or yearly basis. The customer decides on frequency and hence maintenance costs. Should a fault occur, this is not a problem, as service hotlines in each country mean that highly qualified and experienced engineers are available immediately.

BATTERY ACCESSORIES – TRACTION AND STATIONARY.

Banner's has an extensive range of accessories for optimum battery care and maintenance, which extends from plug and socket devices to the end cable, and from connectors to the appropriate tools. The products below represent a cross-section of Banner's extensive accessories programme. A complete overview is available at any time from Banner sales advisors.



PLUG AND SOCKET DEVICES

Battery and equipment plug and socket devices



END CABLES

End cables with Euro socket and grip



CABLE SCREW CONNECTORS

Screw connectors with various cross-sections and lengths



TOOLS

Complete torque keys

Art. No.: 0450000122



BATTERY FILLING SYSTEMS

For the automatic filling of traction batteries



WATER CONTAINER AND ACCESSORIES

60l tank complete with accessories

Art. No.: 0450000318



BATTERY CARRYING BELT

Easy to use. Anchorage without the risk of slippage. **Art. No.:** 00450000822



WATER FILLING WAGON

Including charger, tank and batteries

Art. No.: 0450000620



BATTERY CABLE

16 – 120 mm²



CABLE SHOES

For 16 – 120 mm²
6-10 whole sizes



CABLE SHOES

For 16 – 120 mm²
6-10 whole sizes



ADAPTER +/-

M6 round pole



ADAPTER +/-
J-type with M8 drilling



END ANGLE
20 mm end angle, 15 mm end angle



END ANGLE
20 mm end angle, 15 mm end angle



END TERMINAL COVER
Vertical



CERAMIC FUNNEL PLUG
No cover, bayonet
Art. No.: 0450000356



CERAMIC FUNNEL PLUG
No cover, bayonet
Art. No.: 0450000356



REFILL JUG
1.5 l, transparent
Art. No.: 0450000457



FUNNEL
Art. No.: 0450000557



MAINTENANCE SET
Art. No.: 0450000657



MAINTENANCE SET
Art. No.: 0450000657



FASTON ADAPTER
4.7



PROTECTIVE GLASSES
Art. No.: 0450001357



EYEWASH BOTTLE
Art. No.: 0450001457

WUCHTOFIT WHEEL BALANCING GUARANTEED DRIVING SAFETY.

TOP BRAND QUALITY FOR PERFECT WHEEL BALANCE.

Banner's top quality Wuchtofit wheel weights have a perfect shape and offer optimum grip through the patented steel clip or the proven Norbond adhesive strip. The weights are attractive on any rim, as their clever design provides an outstanding appearance. Moreover, the first class quality of a Wuchtofit wheel weight is underlined by the materials used, which ensure unique corrosion resistance. This means that expensive rims retain their looks even after many years.

GUARANTEED DRIVING QUALITY THROUGH SAFETY AND SMOOTH RUNNING.

When wheels are perfectly weighted, this rules out steering wheel vibration and unpleasant vehicle noises. The vehicle can be steered precisely and safely and the wheel weights prevent any one-sided tyre wear. Consequently, Wuchtofit wheel weights represent an important detail in increased driving safety and customers reap the benefits of optimised, patented technology and OEM quality with all the security provided by a major brand.





Cars



LCV



Motorcycles road/cross

UNIVERSAL ZINC WHEEL WEIGHTS FOR CARS

Two types of wheel weights are suitable for virtually all steel and light metal rims. An optimum fit offers simple and straightforward installation, while a special coating ensures an optimum visual appearance and resistance to every type of weather-related influence.

WU1Z for cars

Impact wheel weight for steel rims



Material: zinc
Surface: powder-coated
"B" Banner Brand

Sizes/ weights	Art. No.	Batch
5 g	0700100005	100
10 g	0700100010	100
15 g	0700100015	100
20 g	0700100020	100
25 g	0700100025	100
30 g	0700100030	100
35 g	0700100035	50
40 g	0700100040	50
45 g	0700100045	50
50 g	0700100050	50
55 g	0700100055	50
60 g	0700100060	50

WU3Z for cars

Impact wheel weight for light metal rims



Material: zinc
Surface: powder-coated
"B" Banner Brand

Sizes/ weights	Art. No.	Batch
5 g	0700300005	100
10 g	0700300010	100
15 g	0700300015	100
20 g	0700300020	100
25 g	0700300025	100
30 g	0700300030	100
35 g	0700300035	50
40 g	0700300040	50
45 g	0700300045	50
50 g	0700300050	50
55 g	0700300055	50
60 g	0700300060	50

STEEL ADHESIVE WHEEL WEIGHTS FOR CARS

Banner offers adhesive wheel weights for the most demanding requirements. NORBOND adhesive strip in OE quality is also available as an option.

WU 15S NORBOND

60 g adhesive steel weight block



With extra-strong NORBOND polyurethane adhesive strip for increased adhesion and shear resistance in OEM quality.

Art. No.: 0711500060
Coating: zinc
Adhesive strip: polyurethane, OEM quality
Width: 19 mm
Height: 4 mm
Weight: 60 g
Batch: 100

WU 15S NORFIX

60 g adhesive steel weight block



With strong polyurethane adhesive strip for powerful adhesion and shear resistance in aftermarket quality.

Art. No.: 0711530060
Coating: zinc
Adhesive strip: polyethylene, aftermarket quality
Width: 19 mm
Height: 4 mm
Weight: 60 g
Batch: 100

WU 15S BLACK

60 g adhesive steel weight block



Black coated with strong polyethylene adhesive strip for powerful adhesion and shear resistance in aftermarket quality.

Art. No.: 0711520060
Coating: zinc
Adhesive strip: polyurethane, Aftermarket quality
Width: 19 mm
Height: 4 mm
Weight: 60 g
Batch: 100

WU 22S ROLL

5 g adhesive steel weight roll



Practical adhesive weight roll

Art. No.: 07112205000
Coating: zinc
Adhesive strip: polyurethane, OEM quality
Width: 19 mm
Height: 4 mm
Weight: 5 kg
Batch: 1

WU 15S NORBOND SPECIAL



Double-coated for extreme demands. With extra-strong NORBOND polyurethane adhesive strip for increased adhesion and shear resistance in OEM quality.

Art. No.: 0711550060
Coating: zinc, double-coated
Adhesive strip: NORBOND, polyurethane, OEM quality
Width: 19 mm
Height: 4 mm
Weight: 60 g
Sales unit: 100 pcs

ADHESIVE WHEEL WEIGHTS FOR MOTORCYCLES AND TRUCKS

WU 17 for motorcycles

60 g adhesive lead weight block



Flat weight strip with high heat resistance of up to +180°C NORBOND adhesive strip in OEM quality

Art. No.: 08600060
Height: 5 mm
Weight: 60 g
Batch: 50

WU 18 for motorcycles

60 g adhesive lead weight block



Flat weight strip with high heat resistance of up to +180°C NORBOND adhesive strip in OEM quality

Art. No.: 08620060
Height: 4 mm
Weight: 60 g
Batch: 50

WU 31 for trucks*

Steel rims



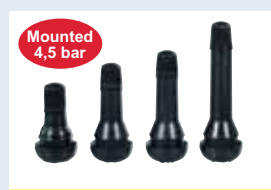
Impact weight for tapered rims from 22.5 x 6.75 to 26.5 x 12 inch.
Material: lead

* WU 31 for trucks

Sizes/ weights	Art. No.	Batch
50 g	09310050	10
75 g	09310075	10
100 g	09310100	10
150 g	09310150	10
200 g	09310200	10
250 g	09310250	10
300 g	09310300	10
350 g	09310350	10
400 g	09310400	10

VALVES

Snap-in rubber valve



Permitted for max. pressure of up to 4.5 bar on cold tyres. TÜV tested. Max. rim thickness at the valve aperture: max. 4 mm

Type 412 Length 33 mm

Art. No.: 1010001900

Type 413 Length 43 mm

Art. No.: 1010002000

Type 414 Length 49 mm

Art. No.: 1010002100

Type 418 Length 62 mm

Art. No.: 1010002200

Valve aperture: 11.3 mm

Batch: 100

Valve insertion lever



Valve insertion tool for the safe installation of snap-in tyre valves

Art. No.: 1010004000

Batch: 1

Valve core wrench



Tool for problem-free valve extraction and insertion.

Art. No.: 1010004010

Batch: 1

TOOLS AND ACCESSORIES

White assembly paste



Colour white, 5 kg container,, temperature-resistant from -20°C to +50°C, excellent assembly characteristics particularly for light metal rims.

Art. No.: 1000000300

Batch: 1

Black assembly paste

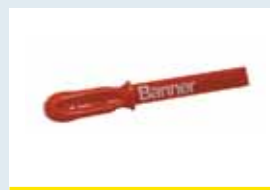


Colour black, 5 kg container, temperature-resistant from -20°C to +50°C, excellent assembly characteristics particularly for light metal rims.

Art. No.: 1000000350

Batch: 1

Scraper



Art. No.: 1000000121

Batch: 1

Eraser disk



Art. No.: 1000000122

Batch: 1

Rim cleaning spray



Art. No.: 1000000120

Batch: 1

GENERAL CONDITIONS OF SALE



1. Scope

- 1.1 These General Terms and Conditions of Business shall apply to the sale of goods and services between companies and are valid for both the delivery of such products and related services. Software is governed primarily by the software conditions issued by the Austrian Electrical and Electronics Industry Association. Installation work is subject to the regulations of the Austrian heavy and weak current industry and those of the Austrian electrical and electronics industry for electro-medical technology.
- 1.2 Deviations from the conditions mentioned under Item 1.1 only take effect subject to the written approval of the seller.

2. Quotations

- 2.1 Seller quotations are regarded as non-binding.
- 2.2 Without the permission of the seller, no quotation or project documentation may be reproduced or made available to third parties. The return of the documentation may be demanded at any time and should the order be placed elsewhere, it is to be sent back to the seller immediately.

3. Contractual agreement

- 3.1 A contract is regarded as concluded once the seller has received written confirmation of the contract, following the receipt of the order, or has dispatched a delivery.
- 3.2 Information contained in catalogues and brochures, etc. as well as other written or verbal statements are only of material importance when the order confirmation refers to them in specific terms.
- 3.3 Subsequent alterations and supplements to the contract are only valid when confirmed in writing.

4. Prices

- 4.1 The prices are valid ex-works or ex-warehouse of the seller, excluding packing, loading and sales tax. If charges, taxes or other payments are required in connection with supply, these are to be borne by the purchaser. If direct delivery of the order has been agreed, this and any transport insurance required by the purchaser will be invoiced separately. However, this does include unloading and **loading**. Packaging will only be accepted back subject to express agreement.
- 4.2 In the case of orders that deviate from the overall quotation, the seller retains the right to make appropriate price changes.
- 4.3 Prices are based on costs at the time of the initial quotation. Should the costs increase in the period up to supply, the seller is entitled to adjust prices accordingly.
- 4.4 In the case of repair contracts, the performance recognised by the seller as appropriate will be provided and invoiced on the basis of the related expenditure. This applies to services and additional services, the necessity of which first becomes apparent in the course of the completion of the order. No special information of the purchaser is required in this regard.
- 4.5 The purchaser will be invoiced for expenses relating to the preparation of repair quotations or an expertise.

5. Delivery

- 5.1 The delivery period commences with the latest of the subsequent dates:
 - a) Date of order confirmation.
 - b) Date of the fulfilment of the technical and commercial obligations and other preconditions incumbent upon the purchaser.
 - c) Date upon which the seller receives a prepayment or guarantee prior to the delivery of the goods.
- 5.2 Official or third party approval required for the fulfilment of conditions is to be obtained by the purchaser. Should such approval not be obtained in time, the delivery period is extended accordingly.
- 5.3 The seller is entitled to make partial or pre-deliveries and to invoice them. Should on-call delivery have been agreed, at the latest the goods are regarded as having been called up one year after ordering.



5.4 Where situations arise that are unforeseen or cannot be influenced by the parties, such as acts of God, and where these hinder the fulfilment of the agreed delivery deadline, this is extended to include the duration of these circumstances. In particular, such circumstances include armed conflict, official intervention and bans, delays relating to transport and customs, transport damage, shortages of power and raw materials, labour disputes and the loss of an important sub-supplier that is difficult to replace. The aforementioned conditions also justify a prolongation of the delivery period when they apply to sub-suppliers.

5.5 Should a contractual penalty for delivery delays have been agreed between the contractual parties, this will be dealt with according to the following terms, whereby a deviation from one of the individual conditions does not affect the remainder.
A delay in the fulfilment of supply, which can be proven to be the singular responsibility of the seller, entitles the purchaser to claim a contractual penalty of a maximum of 5% for each completed week of delay, but not in excess of 5% of the value of that part of the overall order, which due to the failure to supply an important item punctually, could not be employed and where the purchaser has incurred damages to this amount. Additional claims under the heading of a delay are excluded.

6. Passing of risk and place of performance

6.1 The use and risk pass to the purchaser upon the departure of the delivery from the plant or warehouse of the seller, irrespective of the agreed type of pricing (e.g. delivery free, CIF, etc.). This also applies when supply takes place in the course of installation, or should the transport be completed, or organised and managed by the seller.

6.2 The place of performance for supply and performance is the venue at which the performance is completed. The risk related to supply or an agreed partial performance passes to the purchaser upon provision.

7. Payment

7.1 Unless other conditions of payment have been agreed, 1/3 of the price is to be paid upon order confirmation, 1/3 at the halfway point of the delivery period and the remainder upon delivery. Irrespective of these payments, the VAT contained in the bill must be paid within 30 days of invoicing.

7.2 In the case of partial invoices, partial payments are to be made upon receipt of the respective billing. This also applies to clearing amounts, which are additional to the original total amount and relate to subsequent deliveries or other agreements, irrespective of the conditions of payment agreed for the main delivery.

7.3 Payments without deductions are to be made to the free paying agent of the purchaser in the agreed currency. The general acceptance of cheques or bills only takes place in lieu of payment. All related interest and charges (e.g. collection and discount expenses) are to be borne by the purchaser.

7.4 The purchaser is not entitled to withhold or offset payments for reasons of warranty claims or other counter-claims.

7.5 A payment is regarded as made on the day that it becomes available to the seller for disposition.

7.6 Should the purchaser be in arrears with an agreed payment of other obligations relating to this or other transactions, the seller can undertake the following without prejudicing other rights:

- a) Postpone the fulfilment of own obligations until this payment has been made, or other obligations have been met and claim a reasonable prolongation of the delivery period.
- b) Call in all open claims from this or other transactions and charge default interest at a rate of 1.25% per month plus sales tax on the respective debt, unless the seller proves costs in excess of this amount. In all cases, the seller is entitled to invoice for preliminary litigation costs, in particular, reminder costs and legal expenses.

7.7 Agreed rebates or bonuses are subject to the prompt provision of the complete payment.

7.8 The seller retains ownership of all the goods supplied until complete payment of the invoiced amounts, including interest and costs, has been made. To secure the purchase price claim, the purchaser hereby assigns to the seller any claims relating to the further sale of reserved goods, even if these have been processed, altered or mixed and undertakes to make an appropriate entry into its books or on invoices. On request, the purchaser must make known to the seller the assigned claim together with the debtor and provide the information and documentation needed for a recovery of the debt and to inform the indebted third party of the transfer of the claim.

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In the case of seizure or other recourse, the purchaser is obliged to point out the right of ownership of the seller and to inform the latter immediately.

8. Warranty and acceptance of responsibility for defects

- 8.1 Subject to the fulfilment of the agreed conditions of payment, the seller is obliged to repair any design, material or production defects with a negative effect upon functionality that may exist at the date of hand-over in accordance with the stipulations of the following terms. No warranty claims can be made on the basis of information contained in catalogues, brochures, advertising materials, written or verbal statements, which have not been accepted into the contract.
- 8.2 The warranty period lasts 12 months, unless special warranty periods have been agreed for individual delivery items. This also applies to supplies and services, attached to a building or real property. The warranty period commences with the risk transfer in accordance with Item 6.
- 8.3 A prerequisite for warranty claims is that the purchaser has immediately made the defect known in writing. The purchaser has to immediately prove the existence of a defect and provide the seller with available information and data. In the case of a defect subject to warranty in accordance with Item 8.1, the seller can either choose to repair the defective article at the place of performance, have it returned for the purpose of repair, or provide an appropriate price reduction.
- 8.4 In the case of warranty, damage replacement or compensation claims owing to defects, which are asserted by customers of the buyer, claims of the buyer with regard to other related rejects shall only exist, when the seller is provided with documented evidence of the contract concluded between the buyer and the customer (e.g. customer receipt).
- 8.5 Should the seller manufacture an item on the basis of design information, drawings, models or other specifications of the purchaser, then the warranty of the seller only extends to completion according to the stipulated conditions.
- 8.6 Excluded from the warranty are defects originating from arrangement and installation not carried out by the seller, insufficient setting-up, a failure to adhere to the installation requirements and conditions for use, overloading of the components beyond the performance levels stated by the seller, negligent or incorrect handling and the use of unsuitable supplies. This also applies to defects, which can be traced to materials supplied by the purchaser.
In addition, the seller does not provide a warranty for damage caused by third parties, atmospheric discharges, overloads and chemicals. The warranty does not extend to the replacement of components subject to natural wear and tear. In the case of the purchase of second-hand goods, the seller does not provide a warranty.
- 8.7 A liability of the seller is excluded should the defect or damage derive from the use by the purchaser of a battery with insufficient capacity or rated power for the foreseen application; further when a conventional starter battery is employed by the purchaser instead of a different type as recommended by the manufacturer (for example AGM or EFB battery), or when instead of a long-term dischargeable battery merely a conventional starter battery is installed (for example in the case of a caravan, camper, boat). The use of the battery must always comply with Banner's classification recommendation as contained in the Book of Power see <https://www.bannerbatterien.com/upload/files/1247.pdf> or the online battery search, see <https://www.bannerbatterien.com/en/Battery-search> or correspond with the battery type stipulated by the manufacturer of the device (OE number, performance requirement), otherwise resulting defects and damage shall not justify any liability of the seller.
- 8.8 Claims pursuant to § 933b ABGB lapse with the expiry of the period contained in Item 8.2.
- 8.9 The conditions 8.1 to 8.8 also apply to each case of defects arising for other legal reasons.

9. Withdrawal from the contract

- 9.1 Unless a special regulation has been agreed, the prerequisite for the withdrawal of the purchaser from the contract is a delay in delivery, which can be traced to the gross negligence of the seller and the unsuccessful completion of a reasonable extension to the delivery period. Withdrawal must be made known in the form of a registered letter.
- 9.2 Irrespective of other rights, the seller is entitled to withdraw from the contract when:
- a) The completion of the order, the begin or continuation of contractual performance is impossible, or despite a reasonable extension, has been further delayed for reasons that are the responsibility of the purchaser.

- b) When concerns relating to the solvency of the purchaser have arisen and despite the request of the seller, the purchaser neither makes a prepayment, nor provides suitable collateral.
- c) Due to the circumstances listed under item 5.4, the extension to the period of delivery amounts to more than half of the period agreed originally, or at least 6 months.

- 9.3 Withdrawal from the contract can also be declared for the reasons listed above with regard to an open portion of the supplies or services.
- 9.4 Should insolvency proceedings be initiated against one of the contractual parties, or an application for the introduction of insolvency proceedings be rejected on the grounds of a lack of assets, the other contractual party is entitled to withdraw from the contract without setting a period of grace.
- 9.5 In the case of withdrawal and irrespective of the damage claims of the seller, including preliminary litigation costs, supplies and services already completed are to be calculated in accordance with the contract and paid. This also applies to supplies and services not yet accepted by the purchaser, as well as preparations made by the seller. Instead, the seller also has the right to demand the return of items delivered previously.
- 9.6 Other consequences of withdrawal are excluded.

10. Liability

- 10.1 The seller is liable for damage outside the area of application relating to the product warranty only where gross negligence can be proved under the terms of legal stipulations. Liabilities of the seller for minor negligence, restitution for subsequent damage and asset losses, lost savings, interest losses and damages derived from third party claims are excluded.
- 10.2 Any claims for damages are excluded in the case of a failure to adhere to the conditions relating to installation, commissioning and use (e.g. as contained in the operating instructions) or the official conditions of certification.
- 10.3 Should contractual penalties be agreed, additional claims under the respective items are excluded.

11. Assertion of claims

Unless shorter deadlines have been separately agreed in individual cases, or are foreseen under the terms of legal stipulations, all purchaser claims must be asserted before a court within a period of three years following the transfer of risk, otherwise the claims lapse.

12. Commercial rights and copyright

- 12.1 Should an item be manufactured by the seller in accordance with design instructions, drawings, models or other specifications provided by the purchaser then the purchaser has to indemnify the seller against claims in the case of any infringements of rights.
- 12.2 Production documentation, e.g. plans, sketches and other technical information, as well as models, catalogues, brochures, picture, etc. remain the property of the seller and are subject to standard legal stipulations with regard to reproduction, copying, competition, etc. Item 2.2 also applies to production documentation.

13. Miscellaneous

Should individual terms of this contract or their stipulations become invalid, this does not result in the invalidity of the remainder of the contract. The invalid term is to be replaced by one, which serves the purpose of the contract as closely as possible.

14. Competent court/applicable law

Any disputes arising from this contract, including those relating to its existence or non-existence, are to be dealt with exclusively by the competent court at the head offices of the seller in Vienna in the area of jurisdiction of the Inner City District Court. The contract is subject to Austrian law and further transfers of the case are excluded. The application of the United Nations UNCITRAL agreement concerning the international sale of goods is excluded.

GENERAL CONDITIONS OF SALE



15. Copyright and usufruct

- 15.1 All photos, illustrations, text and other content, of both this homepage and the brochures, circulars, pamphlets and advertising of Banner GmbH and its sales companies, are subject to copyright.
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PATENTS

Double cover joint patent with Moll U - 02027 9204 (registration still in progress, also registered in the USA)

Double lid screw connection utility model with Moll 202 18730.6

AGM valve stopper joint registered design protection with Accumalux

Banner GmbH, A-4021 Linz-Austria, Banner Straße 1

Telefon +43/(0)732/38 88-0, Fax +43/(0)732/38 88-21599

E-Mail: office@bannerbatterien.com



bannerbatterien.com

Forhandler:

Scandic-Oil & Danco Oil Center

Tlf: 21 70 62 80

Mail: mail@scandic-oil.dk

www.scandic-oil.dk