

HEAVY-DUTY SIDELOADERS

GS 150, 160, 180

GX 200, GXS 250



Diesel sideloaders
15 - 25 t

CAVAION SIDELOADERS
BAUMANN 

THE NEW BAUMANN GS 150-180 SERIES

DIESEL SIDeloadERS, STEEL APPLICATIONS

The new BAUMANN GS 150-180 series is the result of 45 years of experience and knowledge gained from heavy duty industry around the world, particularly the steel industry. There, extreme applications under harsh conditions with increasingly long and heavy loads are routine. The BAUMANN GS 150-180 series is definitively the most robust, yet most compact sideloader with this lifting capacity. The series guarantees not only safe and reliable handling of long and bulky goods, but also the best possible cost/benefit ratio.

The guiding principle is a robust and simple construction combined with compact dimensions for maximum possible manoeuvrability and service-friendliness. The on-board electronics have been kept to a minimum given the possibility of electromagnetic interference and the high temperatures prevalent in steel and aluminium manufacturing.

For this reason, the main components (levers, parking brake, oil supply) are either hydraulic or mechanical. This means that sensitive electronic components, such as CAN Bus systems or electronic sensors for wheel hub motors, are not needed.

And to make the loaders even more robust, a BAUMANN duplex mast without free lift is incorporated as standard. Duplex masts with full free lift are also available to suit customers' requirements.

The chassis, axles and mast of the BAUMANN GS 150-180 series are tested to a safe working load of 20 tonnes. This means that even special applications, such as extreme load centres or four-shift operation, can be handled easily. The chassis has additional reinforcement at particularly critical points, the material thicknesses and dimensions are more generous and the frame structure is interlocked.



DEVELOPED FROM EXPERIENCE GAINED OVER MORE THAN 45 YEARS

SINCE 1969: OVER 45 YEARS OF HEAVY-DUTY SIDeloadERS FROM BAUMANN

EVEN MORE ROBUST

SERVICE-FRIENDLY

MAXIMUM MANOEUVRABILITY



ADVANTAGES OF THE NEW GENERATION

LONG AXLE LIFE

The BAUMANN axles guarantee a long service life, robustness and safety. All bolts used in the axles are galvanised and run in bronze bushings. This both increases the service life and improves the sliding characteristics as wear is reduced. The contact between bronze and steel results in practically no corrosion of the material. The abrasion between bronze and steel is much less than with conventional steel-steel contact.

Reduced wear of the axles is of particular importance for sideloaders because there are additional rotational pressures (chassis tilting and mast movements) acting upon the axles. With the bronze bushing, the service life of the axles is theoretically infinite, thus optimising maintenance costs. If necessary the bushing is replaced on its own, rather than the complete axle as in the past. An additional benefit is that the same bushings are used in many different chassis components.

SERVICE-FRIENDLINESS AND EXCELLENT AVAILABILITY OF SPARE PARTS

During development, great emphasis was placed on simplifying maintenance and servicing of the sideloader. As the following examples show, it was not only with the bushings that the components were fitted using the modular assembly principle.

Bolts: The bolts used at the connections between the outreach cylinders and their vertical supporting brackets are the same as those used in the axle brackets.

Pin rod eye: Reinforced pin rod eyes are incorporated in both the outreach cylinders and the tilting cylinders.

In combination with the BAUMANN Online System, BAUMANN thus guarantees optimum availability of spare parts and a seamless service for comparatively low stocking costs.



DESIGNED AND BUILT FOR HARSH ENVIRONMENTS



ESTABLISHED STANDARDS – STRONG OPTIONS

THE BAUMANN MAST



The mast on the new GS 150-180 series has more generously-dimensioned profiles and lift mast rollers in order to withstand the increased stresses.

FOR HARSH CONDITIONS



Extremely robust BAUMANN chassis and axle protection.

EASE OF OPERATION



The sideloader is available with hydraulic multi-level or joystick controls. Fitting an electrical joystick is not advised, however, due to the dusty and harsh conditions of use. The hydraulic control is less sensitive to heat or electromagnetic interference.

ADDITIONAL OPTIONS



Cab protection for optimum driver safety and maximum visibility.

SAFE PIPES OUTREACH



The horizontal pipes outreach to the mast is positioned at the bottom to guarantee a safe transition behind the mast for the driver.



The hydraulic BAUMANN stairs for greater convenience.

STANDARDS MAINTAINED

All the advantages of BAUMANN sideloaders familiar from other series, such as automatic stabilisation system, cab on hydro bushings, etc., are also standard in this series.



HEAVY LOADS - GREAT MANOEUVRABILITY



GX 200 AND GXS 250

INDIVIDUAL DESIGN IN A CLASS OF ITS OWN

Based on the massive success of the GS 150-180 series, BAUMANN has developed the GX 200 and GXS 250. These models have the same design and construction philosophy as the smaller series. Thus, with these giants, the frame, drive axle and steering axle are reliable, stable and designed for a long life. While the GX 200 is freely manoeuvrable, the GXS 250 can lift up to 25 tonnes with a maximum load centre of 1250 mm, when supported by the stabilizers.

With their 16.00-25 tyres, these sideloaders remain the most compact - and thus most manoeuvrable - in their load class. The Cummins Tier 3B engine with integrated particle filter is well-established worldwide and

works energy-efficiently under modern, low-emission and noise-reduced working conditions – the GX 200 and GXS 250 remain absolute powerhouses. The engine is positioned beneath the platform to improve the drivers' visibility.

The GX 200 and GXS 250 sideloaders can be customised and constructed to specific requirements, ensuring that they meet the needs of BAUMANN sideloader customers worldwide.

Options such as convenient BAUMANN hydraulic stairs, rear view cameras or central lubrication systems further increase the service-friendliness, ease of use, performance and safety of these huge heavy duty sideloaders.



CUSTOMIZED: GX 200 AND GXS 250





HEAVY DUTY BAUMANN SIDELOADERS FOR EXTREME CONDITIONS



OVERVIEW OF THE BAUMANN SERIES

GS 150	
Lifting capacity:	15,000 kg
Overall length:	6,350 mm
Overall width:	2,600/2,800/3,000 / 3,500 mm
Platform width:	1,600/1,800/2,000 / 2,500 mm
Platform height:	1,550 mm
Fork length:	1,600/1,800/2,000 / 2,500 mm
Fork section:	200 x 90 mm
Framework cut:	1,920 mm
Fork spacing max:	1,740 mm
Tyre size:	14.00-24
Diesel engine (manufacturer):	Cummins
Diesel engine (type):	QSB 6.7
Power:	129/175

GS 160	
Lifting capacity:	16,000 kg
Overall length:	6,350 mm
Overall width:	2,600/2,800/3,000 / 3,500 mm
Platform width:	1,500/1,700/1,900 / 2,400 mm
Platform height:	1,550 mm
Fork length:	1,500/1,700/1,900 / 2,400 mm
Fork section:	200 x 100 mm
Framework cut:	1,920 mm
Fork spacing max:	1,740 mm
Tyre size:	14.00-24
Diesel engine (manufacturer):	Cummins
Diesel engine (type):	QSB 6.7
Power:	129/175

GS 180	
Lifting capacity:	18,000 kg
Overall length:	6,350 mm
Overall width:	2,600/2,800/3,000 / 3,500 mm
Platform width:	1,500/1,700/1,900 / 2,400 mm
Platform height:	1,550 mm
Fork length:	1,500/1,700/1,900 / 2,400 mm
Fork section:	250 x 100 mm
Framework cut:	1,920 mm
Fork spacing max:	1,740 mm
Tyre size:	14.00-24
Diesel engine (manufacturer):	Cummins
Diesel engine (type):	QSB 6.7
Power:	164/220

GX 200	
Lifting capacity:	20,000 kg
Overall length:	6,900 mm
Overall width:	3,100/3,600 mm
Platform width:	2,000/2,500 mm + others upon request
Platform height:	1,800 mm
Fork length:	2,000 / 2,500 mm + others upon request
Fork section:	350 x 95 mm
Framework cut:	1,900 mm
Fork spacing max:	1,740 mm
Tyre size:	16.00-25
Diesel engine (manufacturer):	Cummins
Diesel engine (type):	QSB 6.7
Power:	164/220

GXS 250	
Lifting capacity:	25,000 kg (supported), 20,000 kg (unsupported)
Overall length:	7,950 mm
Overall width:	3,150/3,700 mm
Platform width:	2,000/2,500 mm + others upon request
Platform height:	1,800 mm
Fork length:	2,000 / 2,500 mm + others upon request
Fork section:	300 x 120 mm
Framework cut:	2,000 mm
Fork spacing max:	1,800 mm
Tyre size:	16.00-25
Diesel engine (manufacturer):	Cummins
Diesel engine (type):	QSB 6.7
Power:	164/220

BAUMANN SIDELOADERS – THE ORIGINAL SIDELOADER FROM CAVAION

For over 45 years, the BAUMANN name has been synonymous with production of high quality, high specification side loaders. The Company adopts a policy of continuous improvement and embraces new technology as and when it comes available to the benefit of our customers and distribution partners. The extended BAUMANN network of distributors and service partners have been specifically selected for their professionalism and adoption of the consultative approach taken centrally by the BAUMANN Company.



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