

Technical details

useful information on the ABUCompact GM2 to GM8



Standards and safety regulations

All ABUS chain hoists are designed and manufactured in accordance with the applicable EU directives and harmonized standards.



Motor and gear unit

The motor and gear units are of modular design, allowing a variety of combinations for different lifting speeds. All the motors used are sturdy squirrel-cage units with 2-pole and 8-pole windings and the gear unit is separately encapsulated. This ensures considerable benefits for installation and maintenance. The permanently lubricated spur gear features bevelled gear wheels and roller bearings for smooth running.



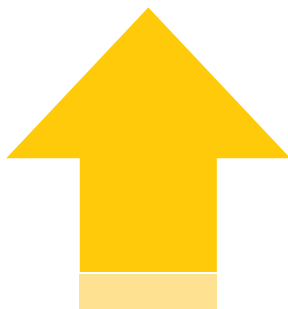
Integrated safety brake

The DC disk brake features asbestos-free brake linings with a long service life (a million braking operations up to the first adjustment). The adjustable brake is designed for a very short run-on.



Suspension bracket

The removable, hinged suspension bracket is designed for easy suspension and removal of the hoist. The bracket ensures that the hoist is positioned in a fixed direction. On GM2 and GM4 hoists, the bracket is designed for installation in two positions, with an angle of 90° between them. Without the suspension bracket, the hoist may also be rigidly fixed by other means. The reduced installation spacing then allows an increase in the lifting height.



2 lifting speeds

Two lifting speeds, one for fast lifting and one for precision positioning, are a standard feature. The speed ratio (precision:main lift) is 1:4 for the GM2, GM4 and GM6 and 1:6 for the GM8.



Chain system

The chain system consists of a high-precision chain sprocket entirely surrounded by the chain guide. Both the chain sprocket and the chain guide are of modular design, allowing easy replacement without the need to spend time and money dismantling the hoist to reach the parts.



Slipping clutch

The slipping clutch offers reliable protection against overloading. Special linings designed for minimum wear ensure high safety levels over the entire service life of the unit. The slipping clutch is designed for easy external adjustment.