

DEMAG

Improved safety
and reliability:
BGV D8+

Precise handling

Demag LDC-Q
quadro chain hoists

DEMAG



Hoists that have only one load hook quickly reach their limits when large-volume components need to be handled.

Instead, lifting solutions with multiple attachment points are required to ensure safe, simultaneous lifting. Demag LDC-Q quadro chain hoists provide new possibilities for handling larger components – with maximum utilisation of the lifting height and a high level of safety. LDC-Q units allow work to be performed under suspended loads according to accident prevention regulation BGV D8+. For this purpose the chain hoist is rated for twice the load capacity and features a double brake. Mechanically synchronised: just one motor ensures that the load is lifted and lowered very precisely and simultaneously at all four attachment points.

AT A GLANCE

- Simultaneous lifting with four load hooks
- Precise handling thanks to mechanical synchronisation:
 - One chain hoist drives four chain drives
- For loads up to 3.2 t
- Specified to BGV D8+ for high level of safety
- Optional: crab frame also made of stainless steel (designed to be used in the foodstuffs industry)

Your benefits at a glance



SAFETY

- Low-voltage control pendant thanks to 24 V contactor control system
- Safety-related functions satisfy at least Performance Level c and Category 2 to EN ISO 13849-1



MINIMUM LOAD SWAY

- Smooth cross-travel starting and braking motions for low-sway load handling
- Speeds and acceleration/braking rates can be modified via the control pendant, if required



LONG SERVICE LIFE

- Generously specified gearbox. 2m+ (1,900 hours) for main load capacities and up to 4m (6,300 hours) for demanding applications
- All sub-assemblies of the chain hoist are rated for a long service life, even under the most demanding conditions



TEMPERATURE RANGE

- Reliable operation from -20 °C to +45 °C without any reduction in the duty factor
- Operation also possible up to 60 °C and more



ERGONOMICS

- Control cable length or position of control pendant can be adjusted without the need for any wiring
- Length of control cable that is not needed can be stored under the service cover



PROHUB FUNCTION

- Up to 90% higher nominal speed in reduced load range



HIGH-PERFORMANCE MOTOR

- Hoist motor has large safety reserves
- Can be used for switching cycles way beyond usual market levels



VARIABLE SPEEDS

- Valuable and sensitive parts can be positioned more gently and carefully
- Variable button characteristic like a car accelerator pedal



EASY TO SERVICE

- Simple and rapid maintenance of individual components thanks to the modular chain hoist design – cuts any downtime to a minimum
- Gearbox and slipping clutch maintenance-free for up to 10 years
- Brake maintenance-free for up to 10 years (up to 5 years for DC 10–25)



STATUS DISPLAY

- Display for elapsed operating time counter and operating statuses
- Service status always at a glance



SLIPPING CLUTCH MONITORING

- Harmful continuous slipping eliminated thanks to speed monitoring
- Reliable protection against extreme overloads
- Load securely held in any operating situation and cannot drop while hoist is at standstill, since brake is arranged in front of the slipping clutch in load-bearing arrangement



LOW NOISE LEVEL

- Reduced operating noise thanks to helical gearing in all gearbox stages
- Smooth running characteristics thanks to high-quality gearing

PERFECT PROJECT PLANNING



ONLINE PRODUCT CONFIGURATOR

- Easy to use
- Specify products to meet your needs
- Save your configuration
- Immediate results
- Online ordering via Demag Shop



DOCUMENTATION

- Product description
- Technical data
- Circuit diagrams
- Documents



CAD GEOMETRY DATA

- Configure 2D or 3D geometry data online in many file formats
- 3D PDF for rapid view without CAD program

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