

Simply lift. By Demag.

Demag DBC chain hoist



**Available
from stock!**

DEMAG

THE DBC CHAIN HOIST MARKS A FURTHER ADDITION TO THE DEMAG PRODUCT RANGE.

Thanks to its reliable series components and pre-configured selection, the DBC is the ideal entry-level solution for many industries and meets the wide range of requirements for modern lifting equipment.

With three sizes and in finely graduated load capacity ranges, the DBC can lift from 63 to 2,500 kg.

- Hook path up to 6 m
- 48 V control voltage
- Low noise level: 68 dB
- Protection class IP55
- Pendant controller for 1-axis and multi-axis operation
- Mechanical limit switches for upper and lower hook position

DBC 2



DBC 5



DBC 10



- Lifting speeds:
 - Two-stage pole-changing up to 8 m/min
 - Single-stage version up to 6 m/min
- Travel speeds:
 - 20/5 m/min
- Trolley limit switch (option)
- Built-in operating hours counter (optional)
- Range of application:
 - -20°C – +40°C

The DBC is available from stock in a short space of time in five defined versions.



DSB control pendant in two-stage design for control of one or two axes.

Mechanical design

1 Suspension

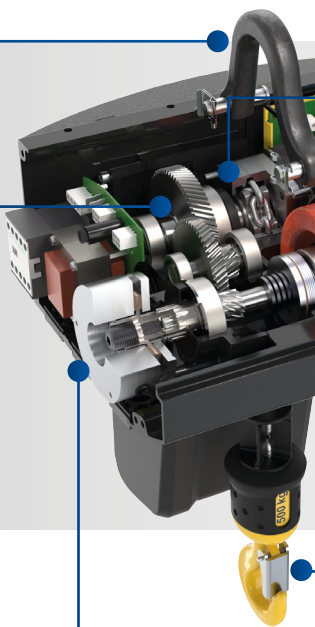
- Asymmetrical suspension bracket, adapted to the geometry of the chain hoist
- Quick chain hoist installation without additional tools

2 Transmission gear

- With lifetime lubrication
- High-grade gears
 - Helical gearing
- Low noise operation
 - Low vibration levels
 - Less mechanical stress on the components
- 2-stage for sizes 2 and 5
- 3-stage for size 10

3 Brakes

- No load sagging, as the brake is located in the load-bearing arrangement upstream of the slipping clutch
- Protection class IP 55 (under cover)
- Designed for 1 million brake cycles



4 Motor

- 4:1 ratio two stage motor
- Low speed for sensitive movement
- Overheating protection
- Insulation class F
- Separate brake rectifier
- 60% ED at 300 s/h

5 Chain drive

- Aluminium chain drive
- Hardened robust chain wheel

6 Slipping clutch

- High level of safety as the slipping clutch is located "behind" the brake

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7 Hook

- Load hook
 - DIN dimensions, can be rotated 360 degrees
 - New lamella buffer for actuating the lower and the upper limit switch
- Load chain
 - DAT chain hardened and galvanised, quality class 8

In motion or fixed in position



42825

- Trolley for I-beam jibs, infinitely variable adjustment for flange widths from 58 – 310 mm
- RBU trolley: Manually moveable
- EBU trolley: Electric travel, 2-stage travel speeds



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- Trolley for use in KBK profile sections



42826

- Fixed suspension with clamp connection on I-beam jibs



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- Suspension eye, rotated 90 degrees



39497-4

- Folding upper hook

Ordered and delivered directly

Selected DBC chain hoists are available from stock pre-configured with a hook path of 4 m. Can be ordered via the Demag Shop.



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Size	Load capacity [kg]	Reeving system	FEM / ISO	Lifting speed 2-stage, 50 Hz [m/min]
DBC 2	125	1 / 1	3m / M6	8 / 2
	250	1 / 1	2m / M5	8 / 2
DBC 5	500	1 / 1	2m / M5	4 / 1
DBC 10	1,000	1 / 1	2m / M5	4 / 1
	2,000	2 / 1	2m / M5	4 / 1

DBC: Configurable chain hoists

Can be ordered via the Demag Shop.

Size	Load capacity [kg]	Reeving system	FEM / ISO	Lifting height [m]	Lifting speed 2-stage 50 Hz [m/min]
DBC 2	63	1 / 1	3m / M6	3 – 6	8 / 2
	125	1 / 1	3m / M6		8 / 2
	125	1 / 1	3m / M6		6
	160	1 / 1	3m / M6		8 / 2
	250	1 / 1	2m / M5		8 / 2
	250	1 / 1	2m / M5		6
	500	2 / 1	2m / M5		4 / 1
DBC 5	250	1 / 1	3m / M6	3 – 6	4 / 1
	500	1 / 1	2m / M5		4 / 1
	500	1 / 1	2m / M5		4
	630	2 / 1	2m / M5		4 / 1
	1.000	2 / 1	2m / M5		4 / 1
	1.000	2 / 1	2m / M5		2
DBC 10	500	1 / 1	3m / M6	3 – 6	4 / 1
	1.000	2 / 1	2m / M5		4 / 1
	1.000	2 / 1	2m / M5		4
	1.250	1 / 1	1Am / M4		4 / 1
	1.250	2 / 1	2m / M5		4 / 1
	1.600	2 / 1	2m / M5		4 / 1
	2.000	2 / 1	2m / M5		4 / 1
	2.000	2 / 1	2m / M5		2
	2.500	2 / 1	1Am / M4		4 / 1

* Available directly from stock with 4 m lifting height

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