

Variable speeds.
With balancer function.

DCBS chain hoist





HIGHER AVAILABILITY FOR GREATER EFFICIENCY

Intuitive load handling has never been so easy and, at the same time, efficient: Based on our DC range, DCBS chain hoists include a balancer function that allows loads be guided and precisely positioned with ease. DCBS units are available in two sizes with load capacities up to 125/250 kg. They are compatible with our comprehensive Demag KBK light cranesystem. DCBS units can easily travel on KBK profile section rails: on single-girder suspension cranes, suspension monorail systems or on slewing jib cranes.

HIGH SAFETY AND RELIABILITY. DCBS CORE FUNCTIONS:

- Lifting and lowering by manual force on the control handle
- Manipulating loads
- Protection against slack chain
- Protection against snatching loads
- Movements can be stopped if loads fluctuate widely
- Monitoring/reducing load capacity

HIGH SAFETY AND RELIABILITY

- Low-wear brake thanks to regenerative braking
- No need to adjust the brake
- Brake arranged before slipping clutch in the drive arrangement (no load slipping)
- Automatic braking if a malfunction occurs
- Slipping clutch with automatic cut-out by means of speed monitoring (no continuous slipping)
- Gearbox, slipping clutch and brake maintenance-free for up to 10 years
- Safety-related functions satisfy at least Performance Level c and Category 2 to EN ISO 13849-1

FEATURES

- Operating limit switches (upper/lower)
- Elapsed operating time counter
- Installation transparency thanks to operating data interface (IDAPSY)

SIMPLE INSTALLATION

■ "Plug & Lift" electric connections

Demag chain hoist with balancer function

Your benefits

GRIP CONTROL

■ The load can be controlled very easily with the D-Grip Servo control handle.

LOAD POSITIONING

By switching over to "load positioning mode", the operator can grasp and guide the load directly with light pressure.

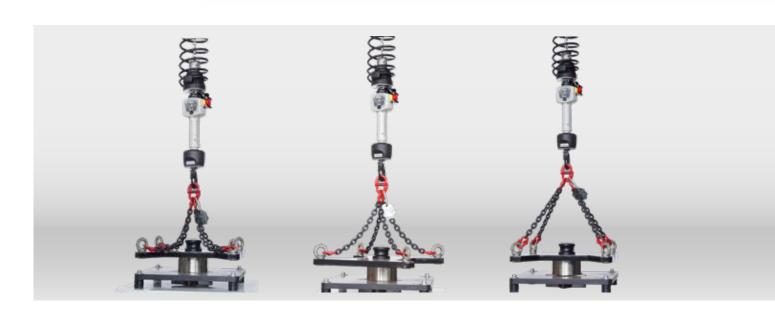
ASSEMBLY MODE

High level of safety and precision for assembly operations, since any oscillation and uncontrolled load movements are suppressed.

LOAD PICK-UP MODE

- Load handling attachments can be lifted and pre-tensioned
- Load can be removed without dropping or sudden upward pull
- Protection for jigs and machinery. The balancer only lifts until a preset force is reached.









		DCBS-Pro 1-125	DCBS-Pro 2-250	
Model code		DCBS-Pro 1-125 H2,8 VS30-30 380-480/50/60	DCBS-Pro 2-250 H2,8 VS16/30 380-480/50/60	
Load capacity	[kg]	125	250	
Lifting speeds VSrated/VSmax	[m/min]	30/30	16/30	
Lifting height (standard)	[mm]	2.800	2.800	
Increased suspension height (extra price)	[mm]	4.300	4.300	
Chain size	[mm]	4,2 x 12,2		
Group of mechanisms	FEM / ISO	4m / M7	2m+ / M5+	
Supply voltage	[V AC]	380 - 480		
Frequency	[Hz]	50/60		
Control voltage	[V DC]	24		
Output	[kW]	0,94		
Hoist motor duty factor	[%]	60		
C dimension with long suspension bracket	[mm]	364		
Equipment length	[mm]	502		
Weight for hook path (2,800/4,300 mm)	[kg]	25 .	25 / 27	
Temperature range	[°C]	- 20 to + 45 (without reduction in CDF)		
Protection class/insulation class		IP5!	IP55 / F	

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