



**Variable speeds.  
With balancer function.**

**DCBS chain hoist**

**DEMAG** .....



## Intuitive control. Exact positioning.

### 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.





## Technical data

		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 VS <sub>rated</sub> /VS <sub>max</sub>	[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 / 27
Temperature range	[°C]		- 20 to + 45 (without reduction in CDF)
Protection class/insulation class			IP55 / F

### Nederland

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# DEMAG