

DC chain hoists: three product lines to meet every need

Demag Cranes & Components develops and manufactures material flow technology for companies of all sizes and in all sectors. Small workshops as well as major industrial enterprises all over the world rely on our products.

The DC product family from Demag Cranes & Components includes chain hoists in three different designs: the DC-Pro product line offers particularly high-performance premium products, DC-Com includes proven all-round models and DC-Bas provides reliability at an attractive price.

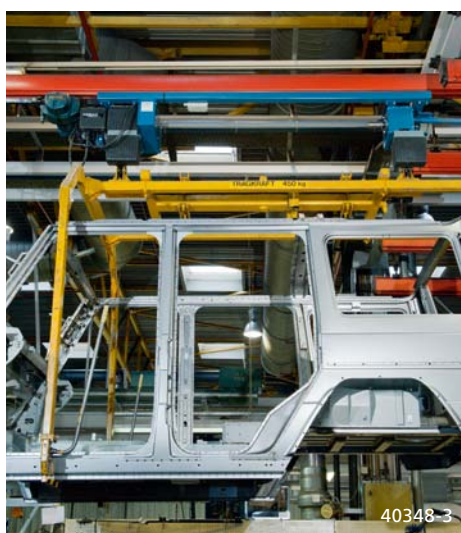
All three product lines offer outstanding value for money and meet in full the function and quality requirements of customers for European mechanical engineering products and national and international standards.



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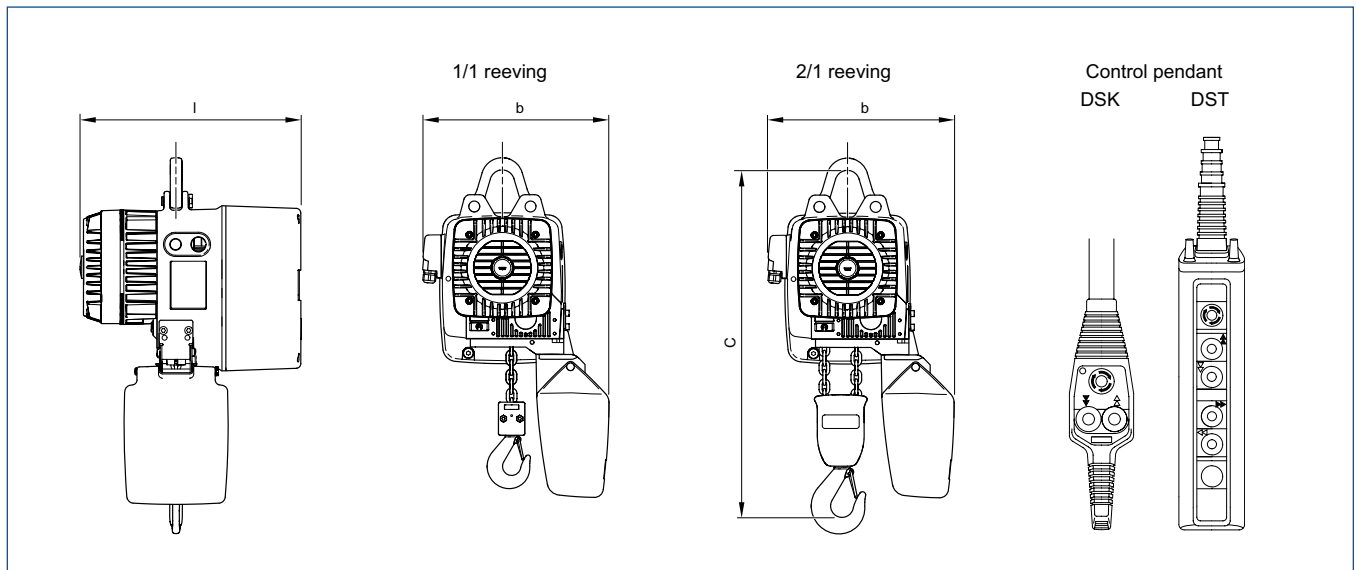
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Demag chain hoists in operation: DC-Bas (top), DCM-Pro with Manulift control pendant (middle) and DC-Pro as a double chain hoist (bottom)

DC-Bas chain hoist – technical data



Size	DC-Bas 1		DC-Bas 2		DC-Bas 5		DC-Bas 10	
Reeving	1/1	2/1	1/1	2/1	1/1	2/1	1/1	2/1
Load capacity [kg]	125	250	250	500	1,000	2,000		
FEM	1Am		1Am		1Bm		1Bm	
Hook Path [m]	3 (longer hook paths possible, please enquire)							
Main lifting speed (50 Hz) [m/min]	8	4	10	5	10	5	8	4
Creep lifting speed (50 Hz) [m/min]	2	1	2.5	1.25	2.5	1.25	2	1
Hoist motor:	Output [kW]		0.2/0.05		0.5/0.13		1.0/0.25	
(Main lifting/ Creep lifting)	Duty factor [%]		60 (40/20)					
	Starts per hour		120/240					
	Motor speed [rpm]		2,910/710		2,920/715		2,880/700	
	Voltage/frequency [V/Hz]		415/50 (different voltages possible, please enquire)					
Hook dimension c [mm]	422	470	438	503	556	666	599	786
Width b (for model with 3 m hook path) [mm]	287		326		411		447	
Length l [mm]	336		361		351		408	
Motor size	13/3P 2/8 K		16/5P 2/8 K		16/7P 2/8 K		16/10P 2/8 K	
Weight [kg]	16	17	32	34	50	53	73	78

- Supply voltage for DC-Bas electric chain hoist and EU travel drive is 415 V three-phase alternating current at 50 Hz
- Models: solo (stationary), push travel, electric travel
- IP 54 enclosure

RU Bas trolleys for push travel

Size	RU 11 Bas	RU 22 Bas
Load capacity [kg]	1,100	2,200
DC-Bas sizes	1, 2, 5, 10 1/1	10 2/1
Flange width [mm]	50–200 201–310	66–200 201–310
Minimum curve radius [mm]	1,500	2,000
Weight [kg]	10	23

EU Bas trolleys with electric-travel drives

Size	EU 11 Bas	EU 22 Bas
Load capacity [kg]	1,100	2,200
DC-Bas sizes	1, 2, 5, 10 1/1	10 2/1
Flange width [mm]	50–200 201–310	66–200 201–310
Main travel speed (50 Hz) [m/min]	20	20
Creep travel speed (50 Hz) [m/min]	5	5
Travel motor [PN/kW]	0.05/0.17	0.05/0.17
Duty factor [%]	40/20	40/20
Voltage/frequency [V/Hz]	415/50	415/50
Minimum curve radius [mm]	2,000	2,500
Weight [kg]	24	38

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Your reliable companion for your everyday lifting jobs

DC-Bas chain hoist



DC
BAS

DC-Bas: functional solutions for reliable handling

Demag DC-Bas chain hoists are user-friendly load handling products for a wide variety of applications. DC-Bas units enable loads to be lifted simply and reliably. Chain hoists in this product line feature a particularly compact design and offer outstanding functionality. Favourably priced and offering ease of maintenance, they are the ideal choice for all applications in which loads have to be lifted.

The user-friendly benefits of DC-Bas products are immediately obvious: thanks to simple installation by means of a suspension bracket, the chain hoists can be quickly put into operation and can be supplied with a push-travel or electric-travel trolley, as required. Depending on the model, quiet-running DC-Bas chain hoists offer load capacities of up to 2,000 kg.

DC-Bas 2



DC-Bas 5



Control pendant with emergency-stop as standard: DSK and DST control pendants for electrically driven lifting and travel motions



Versatile: DC-Bas cuts a good all-round figure

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Support for daily load handling: DC-Bas 2 with a load capacity of 250 kg

Outstanding engineering

- Motor: withstands high ambient temperatures and heavy loads. Long-life, easily adjustable conical brake with asbestos-free brake linings.
- Gearbox: two or three-stage gearbox with oil lubrication.
- Slipping clutch: protection against extreme overload in accordance with relevant international safety regulations.
- Chain/chain drive mechanism: the high-quality hardened chain surface is extremely resilient and wear-resistant also in harsh environments. The same applies for the chain drive mechanism.
- Trolleys: push-travel or electric-travel trolleys available, as required. The electric-travel trolley can be operated at two speeds.
- Operation: control pendant with emergency-stop as standard. Control cable with integrated strain relief arrangement.
- Installation: the chain hoist is simply attached by means of the suspension bracket and is then immediately ready for operation.



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Large operating radius: DC-Bas 2 with 2/1 chain reeving arrangement for loads weighing up to 500 kg attached to a Demag pillar-mounted slewing jib

Clear benefits

- Two hoist speeds up to 10/2.5 m/min
- Conical-rotor brake motor for a long service life
- Rugged galvanised round steel chain
- Contactor control
- Load capacities up to 2,000 kg
- 60 % motor duty factor
- Compact dimensions
- Low dead weight
- Fast and simple commissioning

- Rugged DSK or DST control pendant
- Simple, ergonomic operation
- Simple maintenance and service

Optional features

- Direct control
- Lifting-motion limit switches
- Push-travel trolley
- Electric-travel trolley with two travel speeds
- Longer hook paths

Easy to service

The DC-Bas is also a simple product in terms of service and maintenance. Most maintenance work can be carried out quickly and easily.