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DEMAG

Cranes & Components

Demag DC-Pro Chain Hoist Demag DCM-Pro Manulift

The New High Performance Hoists



Demag DCM-Pro Manulift:

Safe, fast and ergonomic single-handed load handling at the workplace

The DCM-Pro Manulift was developed for handling loads quickly and safely with only one hand. The new DCM-Pro is based on the DC-Pro chain hoist and the DSM-C control unit which is connected to it by a helical cable. The control unit is rigidly connected to the load handling attachment for right and left-handed operation, the operator only needs one hand to operate the chain hoist and guide the load.

The quick-disconnect coupling enables a wide variety of load handling attachments to be changed with ease. All Manulift load handling attachments are fitted with a connecting pin with a swivel lock, which snaps into the quick-disconnect coupling. It can be easily removed by lifting the unlocking sleeve.

Manulift units can travel on Demag KBK profile sections and I-beams, which enables them to be flexibly integrated into work and production processes.



Load hook
250 kg



Slewing load hook
250 kg



Open hook
125 kg



Belt sling
125 kg

Versatile adaptability to any task

A variety of proven load handling attachments facilitate optimum and flexible adaptation of the “Manulift” chain hoist to meet your needs. They range from normal load hooks and various pantograph-type tongs to parallel gripper systems. The DCM-Pro Manulift can be used with specially developed load handling attachments. The universal coupling pin is used to connect customer-designed attachments. It is provided with an M12 internal thread for connecting special load handling attachments.

Manulift load handling attachments can also be connected to the DC-Pro chain hoist load hook by means of an adapter. The versatility and flexibility of the new Demag chain hoist provide for improved load handling efficiency at the workplace.



Demag DCM-Pro Manulift selection table

Capacity lb [kg]	Manulift Type	Hoist speed		Motor size	Lift ft [m]	Group of mechanisms FEM	Reeving	Max. weight for 2,8 and 4,3 hook path lb [kg]
		ft/min at 60 Hz	m/min at 60 Hz					
275 (125)	DCM-Pro 1 - ...	32/8	(9.6/2.4)	ZNK 71 B 8/2	9 (2.8) and 14 (4.3)	4m	1/1	49/51 (22 / 23)
	DCM-Pro 2 - ...	64/16	(19.2/4.8)			2m+ ¹⁾		
550 (250)	DCM-Pro 2 - ...	32/8	(9.6/2.4)	ZNK 80 B 8/2		4m		62/64 (28/29)
	DCM-Pro 5 - ...	64/16	(19.2/4.8)					

1) 2m+ corresponds to 1900 hours at full load



PGS-parallel gripper
125 kg



Pantograph tongs for
gripping square goods
125 kg



Pantograph tongs for
gripping round goods
125 kg



Load hook adapter
up to 250 kg



Load hook adapter
with connected
PGS shaft gripper

Travel Trolleys



Manual Trolley

The new U style manual trolley generation is available in four sizes for load capacities up to: 2425 lb (1100 kg) (U 11), 4850 lb (2200 kg) (U 22), 7500 lb (3400 kg) (U 34) and 12,125 lb (5600 kg) (U 56). The flange width can be infinitely adjusted and covers a range from 2.28 (58 mm) to 7.87 (200 mm), and 7.91 (201 mm) to 12.20 (310 mm). This facilitates fast and simple installation.

The travel rollers, made of high-strength and wear-resistant Polyamide, provide for smooth operation and low rolling resistance. Optional steel rollers are also available for special ambient conditions, e.g. high temperatures.



Electric Trolley

The E 11, E 22, E 34 and E 56 electric travel drives were specially developed for operation with the new DC-Pro chain hoist. This significantly extends the range of applications of this state-of-the-art hoist.

The same travel drives can be adapted to the U 11–U 34 trolleys. Particularly short approach dimensions can be achieved when the units are mounted in a vertical arrangement. Fast retro-fitting and commissioning offer further benefits as no changes need to be made to the manual-travel trolleys.

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