

# Demag DC-Pro chain hoist

Innovation @ Work

# Demag DC-Pro chain hoist

The new Demag chain hoist is the innovation of experienced engineers which, sets the new standard. Demag engineers have concentrated on providing a hoist with performance, reliability, safety, maintainance, value and delivery in mind. The result is.....

## Your benefits:

More power • all-inclusive equipment • plug and lift •

### Performance – Demag has developed an innovative hoist with performance in mind.

- The hoist is standard with high lifting speeds of 48, 32, or 24 fpm providing you the performance required for today's high production environments.
- For your high production needs, where accuracy is a must, the Demag Chain Hoist is equipped with a second slow speed. (4:1 ratio high to low)
- Due to an innovated control system the DC-Pro Chain Hoist is ideal for your high cycling applications with a starts per hour rating of 360.

### Reliability – Your production should not be slowed due to an equipment breakdown. That is why Demag developed their new Chain Hoist to operate at a FEM 2m+ (1900 full load hours), which means 20% more service life than HMI H4 rating.

- Each hoist is designed with a 5 or 6 pocket sprocket; this provides a smooth operation which increases the operator's load handling efficiency.
- The DC-Pro1, DC-Pro2, and DC-Pro5 models are all reeved 1/1; this increases the life span of the chain and the duration of time between scheduled maintenance.
- Your production will not be

halted due to a brake failure.

Utilizing a regenerative braking circuit, the brake is design to last the lifetime of the hoist.

- The operational and fault code display provides valuable service data for planning maintenance around your production schedule.
- Demag's unique operational and fault code display reduces your production down time by identifying the source of the problem.



### Safety - Protect your operators from costly injuries by utilizing Demag's standard safety features.

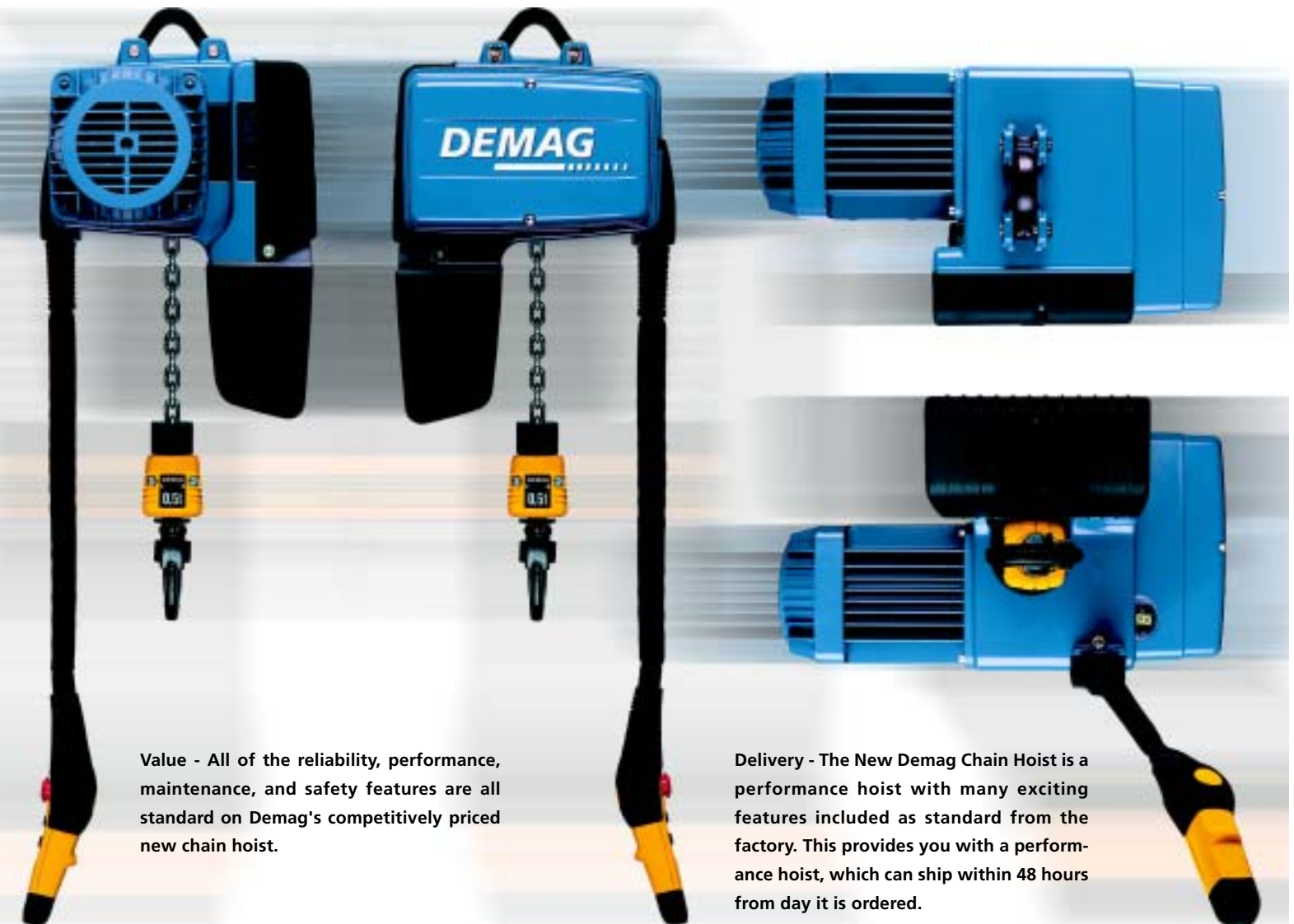
- The hoist is standard with two lifting speeds providing the operator with the ability to use the slow speed to position those difficult to maneuver loads.
- The hoist is equipped with a slip clutch to prevent the hoist from encountering an overload condition.
- The standard upper and lower limit switches prevent driving the bottom block into the bottom of the hoist. Thus, protecting the slip clutch from unnecessary wear and limiting its ability to prevent an overload.
- The pushbutton operates at 24 volts limiting the operator's exposure to dangerous high voltage.
- The pushbutton pendant can be adjusted in the field to an ergonomically correct position in relation the operator. A pushbutton correctly adjusted, reduces the risk your operators face from repetitive motion.
- The Demag hoists are designed utilizing single fall chain drops, which reduce hazardous pinch points inherent to many 2 to 1 reeved hoists.
- The internal diagnostics of the hoist monitors many of the safety features such as the slip clutch, brake wear, and phases. The monitor provides data, via an infrared signal to your PC, notifying the user of a possible breakdown before it happens.

greater ergonomics • longer service life • service friendly • gearbox, brake, coupling maintenance-free for up to 10 years

**Maintenance - All hoists require some maintenance but Demag has made it easier.**

- Many of the replacement parts are of a modular design which, minimizes the time to repair the hoist. In addition, the modular design improves the hoists reliability because, you are not solely replacing the worn component but all the related parts as well.

- The hoist is designed with a maintenance panel providing your service personnel easy access to the chain set, quick-disconnects, and an adjustable pendant cable.
- Demag centrally locates all the mechanical components behind one panel and the electrical components behind another IP55 (outdoor rated) enclosure.



**Value - All of the reliability, performance, maintenance, and safety features are all standard on Demag's competitively priced new chain hoist.**

**Delivery - The New Demag Chain Hoist is a performance hoist with many exciting features included as standard from the factory. This provides you with a performance hoist, which can ship within 48 hours from day it is ordered.**

# Demag DC-Pro chain hoist

## Flexibly adaptable to any task

The new DC-Pro chain hoist is available in two versions: with a DSC control pendant and as a Manulift for handling loads with only one hand. A variety of proven load handling attachments facilitate flexible adaptation of the hoist to any task.

### DC-Pro Chain Hoist

Load Capacity lb[kg]	Type	Hoist Speed		Groups of Mechanisms	Reeving	Lift ft [m]
		V1 ft/min (m/min)	V2 ft/min (m/min)			
275 [125]	DC-Pro 1	32/8 [8/2]	–	4M	1/1	16 [5] or 26 [8]
	DC-Pro 2	–	64/16 [16/4]			
550 [250]	DC-Pro 2	32/8 [8/2]	–	2M <sup>®</sup>		
	DC-Pro 5	–	48/12 [12/3]	4M		
1100 [500]	DC-Pro 5	24/6 [6/1,5]	–	2M <sup>®</sup>		
soon up to [2000kg] 4400 lbs						

IP 55 enclosure, cyclic duration factor 60%

### Manulift DCM

Load Capacity lb [kg]	Type	Hoist Speed		Groups of Mechanisms	Reeving	Lift ft [m]
		V1 ft/min (m/min)	V2 ft/min (m/min)			
275 [125]	DC-Pro 1	32/8 [8/2]	–	4M	1/1	9 [2,8]
	DC-Pro 2	–	64/16 [16/4]			
550[250]	DC-Pro2	32/8 [8/2]	–	2M <sup>®</sup>		
	DC-Pro 5	–	48/12 [12/3]	4M		

IP 55 enclosure, cyclic duration factor 60%

### The DC-Pro chain hoist as a system component

The DC-Pro chain hoist and DC-Pro Manulift can be integrated into the Demag KBK Crane Construction Kit.

The new Demag chain hoist shows its full performance on the U11 trolley, since it features

- simple and infinitely variable adjustment of the flange width (2 ranges: 58mm to 200 and 58mm to 310 mm)
- universal travel wheels for all common steel profile section girders
- lateral steel guide rollers
- curve radii from 3.28 ft [1,000 mm]

That's the way demanding overhead handling solutions are put into practice: Material flow made by Demag



### Demag Cranes & Components

29021 Aurora Road  
Solon, Ohio 44139  
Phone: 440-248-2400  
Fax: 440-248-3086  
www.demag-us.com