

## Demag DC wind chain hoist

A good hoist for the maintenance of wind power stations



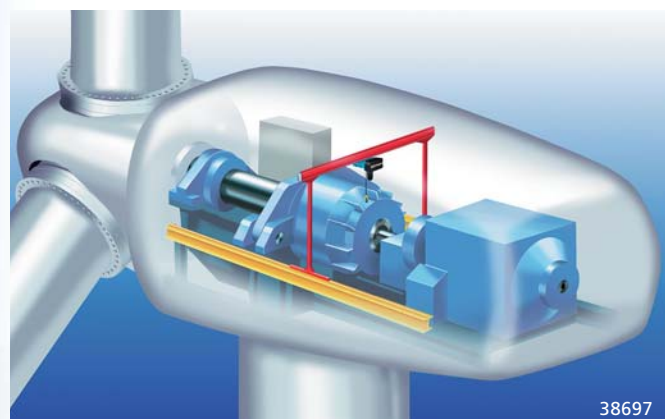
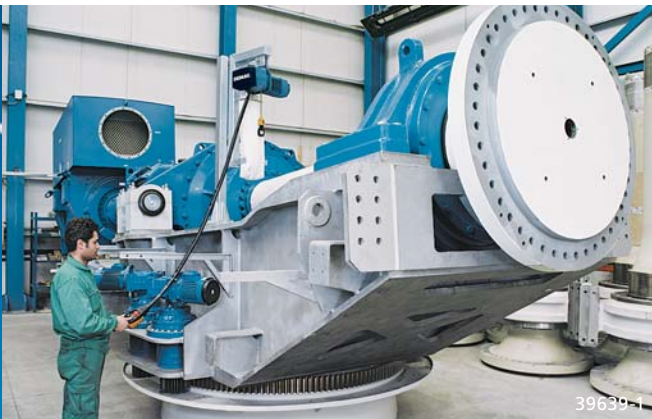
## Easy maintenance and repair

Day by day, rotors turn under changing conditions. If the system comes to a standstill as the result of malfunctions or maintenance work, power generation comes to a halt. The required spare parts and equipment have to be lifted into the nacelle as quickly as possible.

Here the Demag DC Wind chain hoist with hook paths of up to 130 m is a proven lifting device in wind energy systems. Fitted to slewing jibs or travelling portals, it transports loads weighing up to 1000 kg with ease.

In accordance with the operating conditions, the chain hoists are fitted with larger chain collector bags, or alternatively the chain is led through a tube into a separate container. In addition, the highest and lowest hook positions are limited by limit switches, an optional locking device secures the trolley against unwanted movement.

The Demag DC Wind chain hoist, which is specially designed to meet the requirements of the industry, is one of the most frequently used hoists by leading manufacturers.





The low-headroom design offers special benefits in the often restricted space available in the nacell



Lever with single-hand operation to lock the trolley



Chain collector bag additionally secured to the trolley

### Convenient operation

- Fast main lifting motion and precise travel at creep speed
- Optimum handling thanks to compact, ergonomic control pendant and flexible control cable
- Compact dimensions due to low trolley design
- Practical storage compartment for the control pendant on the outside of the chain collector bag (optional)
- No damage to the inner or outer surface of the tower by lifting motions thanks to a protective sleeve on the hook fittings (optional)

### High safety standard

- The brake-coupling system ensures that the load is held securely in any operating situation and prevents the load from dropping
- The corrosion-protected with brake with IP 55 enclosure is accommodated beneath an electrical equipment cover that also features IP 55 enclosure
- Improved safety due to operating limit switches for the highest and lowest hook positions
- Safe switching and operation due to 24V contactor control
- Chain collector bag additionally attached to the trolley
- Trolley can be simply locked with a handle

## Fast to install and simple to maintain

The DC Wind chain hoist shows its benefits from the very beginning and can be installed and put into operation in a minimum of time. The design also makes it particularly easy to maintain.

- Simple commissioning and service thanks to Plug & Lift connections
- Fast and simple height-adjustment of the control cable without the need for any wiring
- Extremely low wear due to electrical braking and slip monitoring of the slipping clutch
- Gearbox, brake and slipping clutch maintenance-free for up to 10 years



### Technical data

Chain hoist Type	SWL [kg]	Hook path [m]	Hoist speed for 50 Hz [m/min]	Max. weight <sup>1)</sup>		Trolleys with frame	Chain [mm]	Chain weight per metre [kg]
				RUDC [kg]	Stationary [kg]			
DC-Wind 2	125	≤ 120	16/4	28	20	2 x RU 3/2	4.2 x 12.2	0.39
DC-Wind 5	160		24/6	34	26			
		250		16/4	34	26		
DC-Wind 10	250	≤ 180	24/6	59	45	2 x RU 6/2	5.3 x 15.2	0.62
	500	≤ 120	12/3	59	45			
	500	≤ 180	24/6	84	64			
	1000	≤ 120	12/3	84	64	2 x U 11	7.4 x 21.2	1.21

<sup>1)</sup> Weight without chain

IP 55 enclosure, 60 % cyclic duty factor

For further information please refer to our brochure  
213 605 44 "Demag DC-Pro chain hoist and Demag DCM-Pro Manulift"

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