

**INDUSTRIAL CRANES**

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HEAVY-DUTY LIFT TRUCKS

SERVICE

MACHINE TOOL SERVICE

**EXN CHAIN HOISTS**

**KONECRANES®**  
Lifting Businesses™

# EXN Electric Chain Hoists FOR HAZARDOUS ENVIRONMENTS



# EXN ELECTRIC CHAIN HOISTS

In developing the product range for hazardous environments, Konecranes utilized its vast experience in explosion-proof applications, extensive resources and innovation in crane and component technology. This has resulted in the most competitive and comprehensive range of explosion-proof cranes and components. The range includes industrial cranes, jib cranes and manual cranes as well as electric and manual hoists with lifting capacities from 125 kg to 100 tons. All the components are designed and manufactured to ensure the highest safety level required for hazardous atmospheres in chemical and petrochemical plants, oil refineries, gas power plants, waste water treatment plants, paint shops and other industrial sites.

**Safety comes first – Regulations and standards**  
New ATEX directives adopted by the European Union became mandatory on July 1, 2003. Konecranes cranes and components are designed to meet the new ATEX directives. Konecranes products also comply with the European explosion-proof standards such as EN60079-0 /-1 /-7/-11/-15. Components are type tested by approved independent Notified Bodies and all products are provided with CE marking and documentation.

**EXN Electric Chain Hoist for Hazardous Environments**  
Konecranes' EXN electric chain hoist family for hazardous environments is designed to meet the requirements of the user's application.

The EXN hoist is available as stationary, hook suspended, push and motorized trolley versions. Special low headroom trolley for Supersack-handling is available as well.

- Benefits from standard features:**
- > Service-friendly “de” technology with flameproof “d” section makes access for maintenance easy and time saving.
  - > Reliable 48V contactor controls
  - > High-performance 60% ED, 360 starts/-h hoisting motors
  - > Two-speed hoisting movements for easy and accurate load handling
  - > Guaranteed safety with slipping clutch-type overload control
  - > Chain collector bag
  - > 3-phase power supply
  - > IP54 protection class (EN60529) as standard
  - > Ex de IIB T4 EX marking as standard

- Optional features:**
- > IP66 protection class (EN60529)
  - > Strengthened safety features such as bronze or bronze-coated wheels and bronze-coated hooks
  - > Stainless steel load chains
  - > Ex de IIC T4 protection
  - > Hoist for Zone 21 dust environment

**Konecranes’ EXN hoist can be used in the following hazardous environments:**

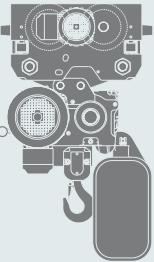
Gas Hazardous Environment	Zone 1 IIB/ Zone 2 IIB
EX marking for the hoist:	Ex II 2G Ex de IIB T4 (electrical) Ex II 2G c k T4 (mechanical)
Gas Hazardous Environment	Zone 1 IIC/ Zone 2 IIC
EX marking for the hoist:	Ex II 2G Ex de IIC T4 (electrical) Ex II 2G c k T4 (mechanical)
Dust Hazardous Environment	Zone 21/ Zone 22
EX marking for the hoist:	Ex II 2D Ex tD A21 IP66 T120°C (electrical) Ex II 2D c k T120°C (mechanical)



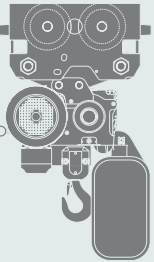
EXN Chain Hoist, Hoist range

Hoist type	Load (kg)	Duty class		Hoisting speed [m/min]		Chain falls	Hoisting motor		
							Power (kW)		Motor type
		Fem	ISO	50 Hz	60 Hz		50 Hz	60 Hz	
EXN20258B6	250	3m	M6	8/2	10/2.5	1	0.4/0.08	0.5/0.1	A05 ex
EXN202512B6	250	3m	M6	12/2	15/2.4	1	1.2/0.17	1.5/0.21	A1 ex
EXN20504B6	500	3m	M6	4/1	5/1.25	2	0.4/0.08	0.5/0.1	A05 ex
EXN20506B6	500	3m	M6	6/1	7.5/1.2	2	1.2/0.17	1.5/0.21	A1 ex
EXN205012B6	500	3m	M6	12/2	15/2.4	2	1.2/0.17	1.5/0.21	A1 ex
EXN201006B6	1000	3m	M6	6/1	7.5/1.2	2	1.2/0.17	1.5/0.21	A1 ex
EXN2010010B4	1000	1Am	M4	10/1.6	12/2.0	1	2.0/0.24	2.4/0.31	A2 ex
EXN201605B5	1600	2m	M5	5/0.8	6/1.0	2	2.0/0.24	2.4/0.31	A2 ex
EXN202005B4	2000	1Am	M4	5/0.8	6/1.0	2	2.0/0.24	2.4/0.31	A2 ex
EXN502004B5	2000	2m	M5	4/0.7	5/0.8	1	2.0/0.24	2.4/0.31	A2 ex
EXN502504B4	2500	1Am	M4	4/0.7	5/0.8	1	2.0/0.24	2.4/0.31	A2 ex
EXN503202B5	3200	2m	M5	2/0.3	2.5/0.4	2	2.0/0.24	2.4/0.31	A2 ex
EXN505002B4	5000	1Am	M4	2/0.3	2.5/0.4	2	2.0/0.24	2.4/0.31	A2 ex

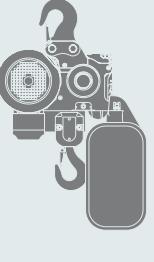
Electric trolley



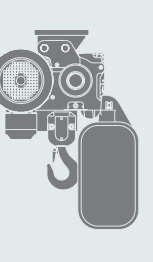
Push trolley



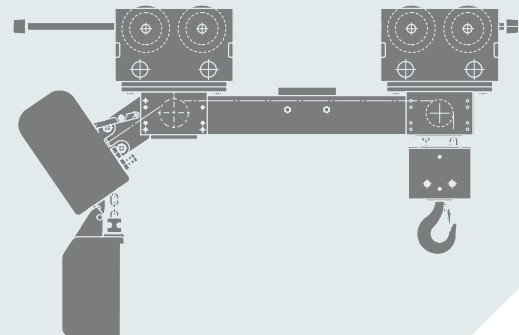
Hook suspended



Stationary



Special Low Headroom trolley for SuperSack- handling:





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Konecranes is a world-leading group of Lifting Businesses, serving a broad range of customers, including manufacturing and process industries, shipyards, ports and terminals. Konecranes provides productivity-enhancing lifting solutions as well as services for lifting equipment and machine tools of all makes. In 2008, Group sales totaled EUR 2,103 million. The Group has 9,600 employees, at more than 470 locations in 43 countries. Konecranes is listed on the NASDAQ OMX Helsinki Ltd (symbol: KCR1V).

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