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**CXT WIRE ROPE HOISTS**

**KONECRANES®**

Lifting Businesses™

# CXT Wire Rope Hoists FOR HAZARDOUS ENVIRONMENTS



# WIRE ROPE HOIST FOR HAZARDOUS ENVIRONMENTS

In developing the product range for hazardous environments, Konecranes utilized its vast experience in explosion-proof applications and its 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

Konecranes has designed its cranes and components to comply with the ATEX directives adopted by European Union on July 1, 2003. Konecranes' products also comply with the European explosion-proof standards, including 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. Konecranes EX components can be supplied with additional IECEx certificate.

## EXCXT, Electric Wire Rope Hoist for Hazardous Environments

EXCXT electric wire rope hoists represent a totally new approach within the lifting equipment industry. An innovative mechanical configuration plus state-of-the-art speed control and motor technology have made the EXCXT hoist the industry benchmark. EXCXT hoists offer exceptional performance, easy load handling, superior safety, improved ergonomics and favorable dimensions. For industrial cranes, solo hoist or monorail applications, or for upgrading existing hoisting equipment, EXCXT wire rope hoists offer the best return on your investment.

Konecranes' EXCXT wire rope hoists for gas hazardous environments meet the requirements for Category 2 & 3 (previously Zones 1 & 2). Konecranes can offer EXCXT for dust hazardous environments as well (Zones 21 & 22).

EXCXT hoists can also be equipped with strengthened safety features, such as bronze-coated hooks and bronze traveling wheels upon customer request.

## Standard features:

### Hoisting motor:

- > Dual-speed hoisting with 6:1 speed ratio
- > Reliable contactor controls
- > Heavy-duty 50% ED rating
- > Class F insulation
- > Temperature rise B
- > IP66 protection

### Hoisting brake

- > Adjustment-free, heavy-duty brake with asbestos-free brake linings

### Hoisting gearbox

- > Fully enclosed aluminum or cast-iron housing
- > Hardened ground helical-type gearwheels
- > Semi-fluid grease lubrication
- > Epoxy painted housing

### Rope drum and guide

- > Large rope drum diameter
- > Heavy-duty drum bearing
- > Cast-iron rope guide

### Traveling machinery

- > Cast-iron trolley wheels
- > Fully enclosed, epoxy painted traveling gear
- > IP66 traveling motors

### Hoist control panel

- > Service-friendly "de" technology with flameproof "d" section makes access for maintenance easy and time saving
- > IP55 protection

### Limit switches

- > 2-step hoisting limit switch for safe load handling
- > Reliable mechanical overload protection

## Optional features:

- > Wide range of optional hoisting speeds available
- > Second disk brake on the hoist
- > Drum brake (overspeed and holding)
- > Swiveling trolleys for curved monorails
- > IP66 protection class
- > Load display
- > Buffer extension between trolleys
- > Derailment catches for double girder trolley
- > Additional limit switches
- > Rain covers
- > Radio controls
- > Lockable hook block
- > Strengthened safety features
- > And many more





### CXT Wire Rope Hoists, standard product range in FEM 2m utilization class.

HOIST TYPE	ROPE REEVING	MAX LOAD (kg)	STANDARD HOISTING SPEED m/min (50Hz)	STANDARD MOTOR TYPE (Zone 1)	TROLLEY TYPE			
					FIXED HOIST	LOW HEADROOM	NORMAL HEADROOM	DOUBLE GIRDER
EXCXT400	1:2	2500	8/1.3	E2	x	x	x	x
	1:4	5000	4/0.7	E2	x	x	x	x
	1:6	7500	2.5/0.4	E2	x		x	x
	1:8	10000	2/0.3	E2	x		x	x
EXCXT500	1:2	5000	8/1.3	E4	x	x	x	x
	1:4	10000	4/0.7	E4	x	x	x	x
	1:6	15000	2.5/0.4	E4	x		x	x
	1:8	20000	2/0.3	E4	x		x	x
	2:2	5000	8/1.3	E4	x			x
	2:4	10000	4/0.7	E4	x			x
	2:6	15000	2.5/0.4	E4	x			x
	2:8	20000	2/0.3	E4	x			x
EXCXT600	1:2	10000	8/1.3	E6	x		x	x
	1:4	20000	4/0.7	E6	x		x	x
	1:6	30000	2.5/0.4	E6	x		x	x
	1:8	40000	2/0.3	E6	x		x	x
	2:2	10000	8/1.3	E6	x		x	x
	2:4	20000	4/0.7	E6	x		x	x
	2:6	30000	2.5/0.4	E6	x		x	x
	2:8	40000	2/0.3	E6	x		x	x
EXCXT700	2:2	20000	8/1.3	2* E6	x			x
	2:4	40000	4/0.7	2* E6	x			x
	2:6	60000	2.5/0.4	2* E6	x			x
	2:8	80000	2/0.3	2* E6	x			x

For further details, see EXCXT Technical Guide

### Konecranes' EXCXT can be used in the following hazardous environments:

Gas Hazardous Environment	Product EX marking according to ATEX
Zone 1 IIB T4	Ex II 2 G c EEx de IIB T4
Zone 1 IIC T4	Ex II 2 G c EEx de IIC T4
Zone 2 IIB T3	Ex II 3 G c EEx denA IIB T3
Zone 2 IIC T3	Ex II 3 G c EEx denA IIC T3
Dust Hazardous Environment	Product EX marking according to ATEX
Zone 21 (dust)	Ex II 2 D c IP65 T+135°C
Zone 22 (dust)	Ex II 3 D c IP65 T+135°C

### Strengthened Safety Features



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Konecranes is a world-leading group of Lifting Businesses™ offering lifting equipment and services that improve productivity in a wide variety of industries. The company is listed on NASDAQ OMX Helsinki Ltd (symbol: KCR1V). With over 10,000 employees at more than 570 locations in almost 50 countries we have the resources, technology and determination to deliver on the promise of Lifting Businesses™.

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