

EXPLOSION-PROOF LOW HEADROOM ELECTRICAL CHAIN HOISTS SHEX



The **SHEX** electric chain hoist is the best as versatility and features, matching requirements of hazardous area. Bull low headroom chain hoists match the minimum possible hook approach.

High performance equipment

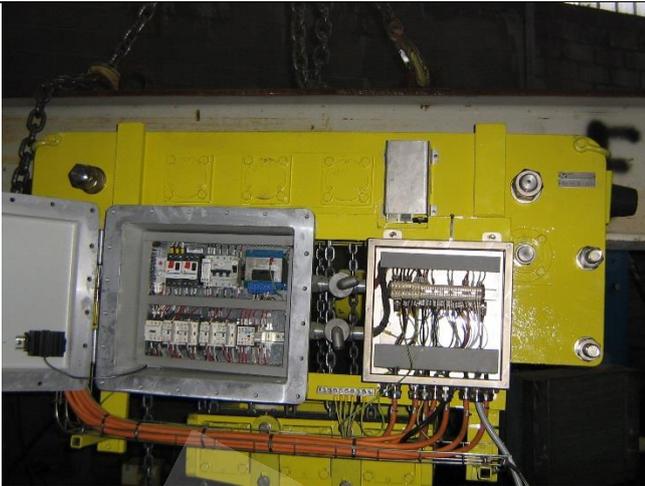
- capacity up to 20T
- bronze sprocket pocket wheels
- high performing chain guide
- load limiter
- stainless steel bolts
- stainless steel accessories
- electric up/down limit switch
- bronze wheels on trolleys
- high quality finish
- high performing motors
- anti-condensation heaters
- thermal probes
- first quality electric control components
- basic hazardous area Zone 2 IIB T3
- IP56 protection

On request

- stainless steel AISI 316 lifting chain
- stainless steel AISI 316 hook block
- stainless steel bearings
- stainless steel AISI 316 side plates trolleys
- sliding assembly of trolley wheels for easy erection
- articulated trolley for curved beams

APPLICATION	CATEGORY	PROTECTION	EX PROTECTION CLASS
Zone 1	II 2 G	Gas	Exde IIB T4
			Exde II C T4
ZONE 2	II 3 G	Gas	Exde II B T3
ZONE 21	II 2 D	Dust	ExtD A21 IP66
ZONE22	II 3 D	Dust	ExtD A22 IP66

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SHEX hoists are the answer to oil & gas industries requirements, for explosion protection, according to safety regulations for hazardous areas (ATEX/IECEX) the explosion protected SHEX hoists are designed for use in potentially explosive atmospheres in condition with gas or dust.

It is charge of users to define his actual requirements high performance is typical of this explosion-proof electric wire rope hoist.

The brake is fully encapsulated. Dirt cannot enter and brake dust cannot go outside. Very long service life of the asbestos-free brake.

The hoist gear is maintenance free.

The rope guide is designed for high safety and long service life.

The drum is designed with high ratio with diameter the rope, in order to minimize the wear.

The wire rope, galvanized, has a minimum safety factor over 5.

- Controls

The control panel box has a flame-proof enclosure (Exd) containing the switch gear, the transformer and the contactors

- Operation safety

Explosion-proof limit switches are applied for highest and lowest hook position

Motor temperature is checked by PTC

High quality aluminum or GRP control pendants are applied, with emergency stop button

All trolleys are fitted with buffers

Electric trolleys are fitted with electric switch for travel limits

- standard controls are available for the following supply voltage:

50hz	:	380, 400, 415, 500 V
60hz	:	380, 400, 440, 460, 480, 600 V
control voltages:		
50hz	:	110 VAC, 48 VAC
60hz	:	120 VAC, 48 VAC

- Travel limit switch

A travel limit switch is applied to the trolley on order to limit the cross travel

Available:

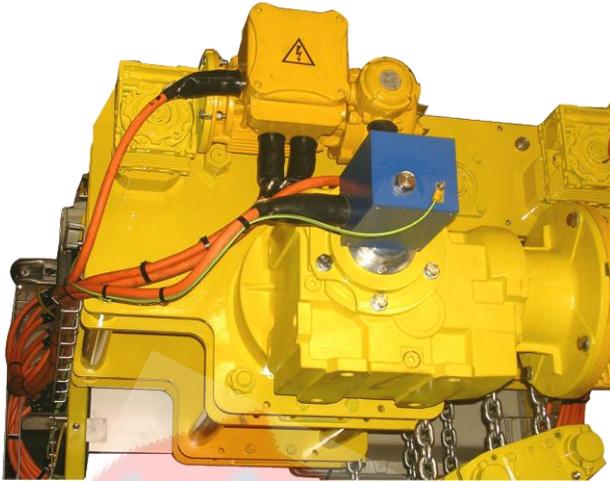
- limiting both directions of travel

- switching over from fast to slow (pre-switching) and

limiting both directions of travel

- Hook block

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Hook block is supplied as bronze coated. Hook as standard, is supplied painted yellow RAL 1007, hook bronze coated is also available on request

- Outdoor

For outdoor situation IP66 protection is applied
Heaters are applied to motors and control box

- Bronze wheels

Wheels are in solid alloyed bronze

- Painting/corrosion protection

Blasting of steel structure to degree SA2-protection of the whole hoist/trolley according to ambient and specification as required

- Towing arm for power supply

The towing arm for festoon system can be supplied. It is applied to the trolley

- Fall arrest brackets

In order to prevent falling in the case of breakage the trolleys are equipped with arrest brackets

- Buffers for trolleys

Buffers are fitted to all trolleys as standard

- Articulated trolleys

Articulated trolleys are used on curved runways. Two travel motors are recommended for narrow bends

- Main isolator

Max supply voltage 690 V
Explosion protection Exde IIB T4 max Exde IIC T6
Protection to IP65 EN 60529

- Chain lubricant

A lubricated chain has a longer service life
Liquid grease B0001 and special chain spray B0002 are available



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CAPACITY Kg	TYPE	FALLS n°	HOOK PATH m	DUTY Fem/ISO	LIFTING CHAIN mm	LIFTING SPEED m/min		HEADROOM mm
						50Hz	60Hz	
1000	SHEX010	1+1	3	2m/M5	7x21	4	4,8	140
2000	SHEX020	1+1	3	2m/M5	10x28	4	4,8	165
3000	SHEX030	2+2	3	2m/M5	10x28	3	3,6	180
5000	SHEX050	2+2	3	1Am/M4	10x28	2,5	3	280
6000	SHEX060	2+2	3	1Am/M4	10x28	2,5	3	190
7500	SHEX075	4+4	3	1Bm/M3	10x28	2	2,4	310
10000	SHEX100	4+4	3	1Am/M4	10x28	2	2,4	330
12000	SHEX120	4+4	3	1Bm/M3	10x28	2	2,4	330
15000	SHEX150	8+8	3	1Am/M4	10x28	1	1,2	420
20000	SHEX200	10+10	3	1Bm/M3	10x28	1	1,2	450