

CHEX

EX-PROOF WIRE ROPE HOIST

Max. Load: 63 Ton



Industries

GAS

- Chemical industry
- Refineries
- Power supply
- Paint shops
- Pharmaceutical industry
- Wastewater treatment
- Distilleries
- Production plants

DUST

- Silo facilities
- Mills
- Wood processing
- Grinding mills
- Feed plants
- Bulk material
- Synthetic fibre production

CHEX



Ex-proof cross travel motor

- Squirrel-cage explosion-proof motor
- Power connection duration rate: 40%
- Protection Grade IP55
- Insulation grade: F



Cross travel reducer

- 2 in one design
- Completely sealed hard tooth surface HRC60
- No oil leakage is allowed
- Maintenance-free design



Single girder optional double girder configuration

- Cross travel limit switch
- Explosion-proof travel limit for gas and dust ex-proof applications



Ex-proof electrical control cabinet

- Full set standard Schneider component
- Protection grade IP66



Steel wire rope

- High strength galvanized steel wire rope
- Breaking load 2160N/mm²
- Maintenance-free design
- No need for oil lubrication



Lifting limit switch

- Four point adjustable rotation limit
- With deceleration limit
- Phase protection and other functions



Hook

- Copper or Stainless steel
- Very wear-resistant
- 360 degree rotation
- Anti-decoupling safety buckle



Coiling block

- Seamless steel pipe processing production



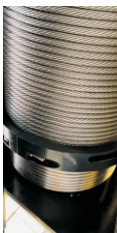
Ex-proof lifting motor

- Double speed explosion-proof motor
- Power connection duration rate: 50%
- Protection grade IP55
- Insulation grade: F



Lifting brake

- Maintenance-free electromagnetic disc brake
- Automatically adjust brake clearance
- Brake pad thickness limit alarm
- Brake pad material is environmentally friendly without asbestos



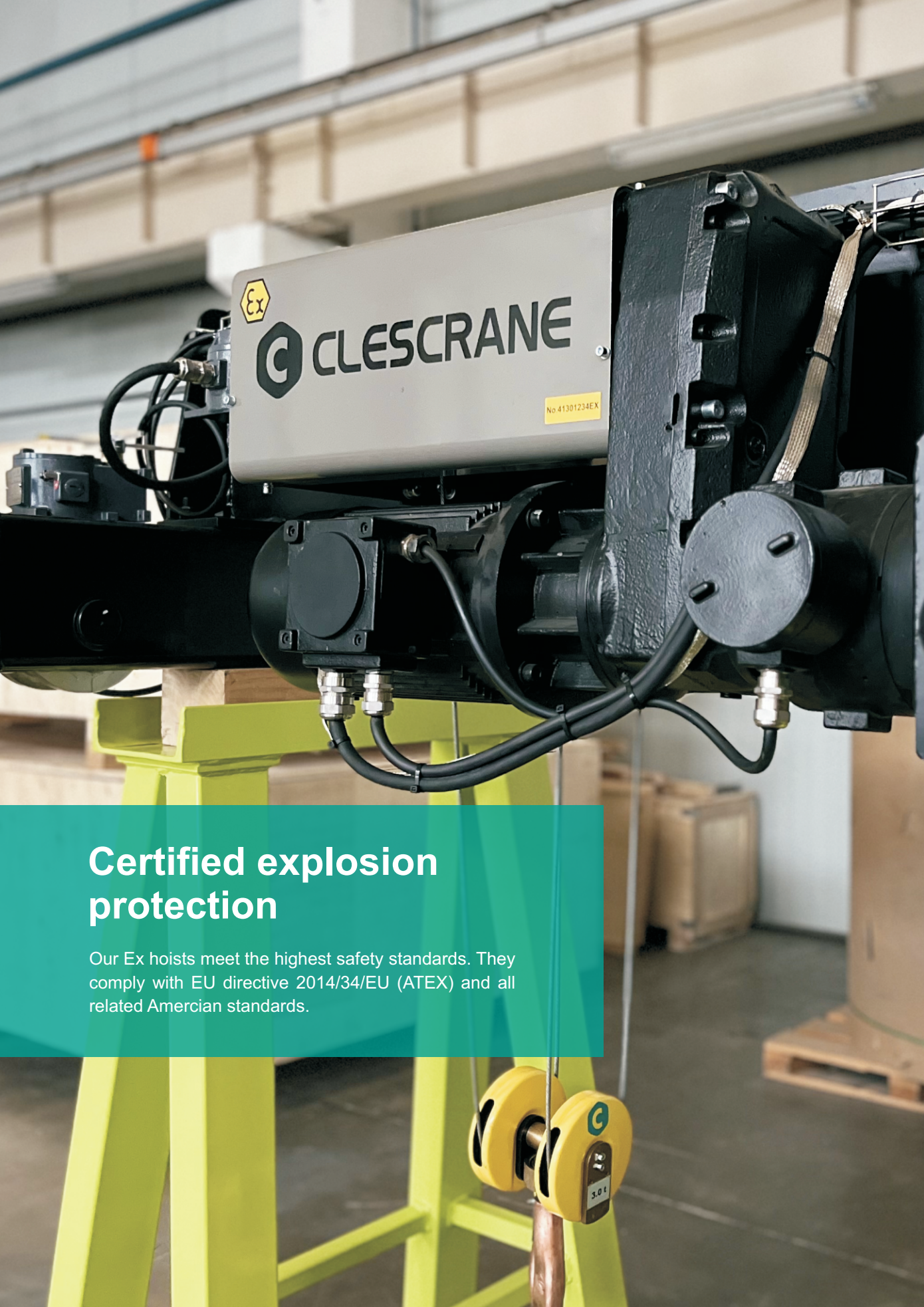
Rope guide

- Heavy-duty
- Made of high strength nylon
- Wear resistant with steel wire rope
- Long using life



Lifting reducer

- Completely sealed hard tooth surface HRC60
- No oil leakage is allowed
- Maintenance-free design



Certified explosion protection

Our Ex hoists meet the highest safety standards. They comply with EU directive 2014/34/EU (ATEX) and all related Amercian standards.



*Grey mark is under application.

Features

- Explosion-proof class upto EX II Ct4
- 2-speed hoisting motor with thermistors
- 2-speed pole change trolley motors with thermistors(for hoists with trolley)
- Hoist upper and lower limit switches operated by the rope guide
- Electro-mechanical overload protector
- Hoist electrics with main contactor and 48V contactor control
- Motor protection IP66 according to EN 60 529
- Pendant station with an emergency "stop" button
- Coppering hook with safety latch

Explosion-proof hoist parameter table

Rated lifting weight (Kg)	CMAA / ISO	Lifting height (m)	Type of hoist	Hoisting speed (m/min)	Hoisting motor power (kw)	Travelling motor power (kw) (single girder/ double girder)	Double girder trolley gauge (mm)
1000	Class D / M6	6	CHEX401021P16F_BN	10/1.6	3.2/0.45	0.37/2x0.25	1400
		9	CHEX401021P16F_BN	10/1.6	3.2/0.45	0.37/2x0.25	1400
		12	CHEX401021P16F_BN	10/1.6	3.2/0.45	0.37/2x0.25	1400
		18	CHEX401021P16F_BN	10/1.6	3.2/0.45	0.37/2x0.25	1400
2000	Class D / M5	6	CHEX402041P15F_BN	5/0.8	3.2/0.45	0.37/2x0.25	1400
		9	CHEX402041P15F_BN	5/0.8	3.2/0.45	0.37/2x0.25	1400
		12	CHEX402041P15F_CN	5/0.8	3.2/0.45	0.37/2x0.25	1700
3000	Class D / M5	6	CHEX403041P15F_BN	5/0.8	3.2/0.45	0.37/2x0.25	1400
		9	CHEX403041P15F_BN	5/0.8	3.2/0.45	0.37/2x0.25	1400
		12	CHEX403041P15F_CN	5/0.8	3.2/0.45	0.37/2x0.25	1700
5000	Class D / M5	6	CHEX505041P45F_BN	5/0.8	6.1/1	0.55/2x0.37	1400
		9	CHEX505041P45F_BN	5/0.8	6.1/1	0.55/2x0.37	1400
		12	CHEX505041P45F_CN	5/0.8	6.1/1	0.55/2x0.37	1700
10000	Class D / M5	6	CHEX710041P75F_BN	5/0.8	9.5/1.5	2x0.55/2x0.55	1700
		9	CHEX710041P75F_BN	5/0.8	9.5/1.5	2x0.55/2x0.55	1700
		12	CHEX710041P75F_CN	5/0.8	9.5/1.5	2x0.55/2x0.55	2000
16000	Class D / M5	6	CHEX716041PA5I_BN	4/0.6	16/2.6	2x0.75/2x0.75	1700
		9	CHEX716041PA5I_CN	4/0.6	16/2.6	2x0.75/2x0.75	2000
		12	CHEX716041PA5I_DN	4/0.6	16/2.6	2x0.75/2x0.75	2400
20000	Class C / M4	6	CHEX720041PA4I_BN	4/0.6	16/2.6	2x0.75/2x0.75	1700
		9	CHEX720041PA4I_CN	4/0.6	16/2.6	2x0.75/2x0.75	2000
		12	CHEX720041PA4I_DN	4/0.6	16/2.6	2x0.75/2x0.75	2400

Certificato di esame UE del tipo

EU-type examination certificate

n. ECM 23 ATEX-B SD25

Rilasciato ai sensi della direttiva 2014/34/UE – Allegato III - Modulo B
Issued according to 2014/34/EU Directive – Annex III - Module B



Richiedente Applicant Ragione Sociale Company Name Indirizzo Address	Henan Gbcranes Intelligent Material Handling Machinery Co., Ltd. 1 st Floor, Building 4, No. 16, Yin Ping Road, High-tech Development Zone, Zhengzhou, Henan Province, P.R. China
Apparecchiatura Equipment Modelli Models	Explosion-proof wire rope hoist G-CHEX, S-CHEX

Questa apparecchiatura o sistema di protezione e le sue eventuali varianti accettate sono descritte nel presente Certificato e nell'allegato dello stesso

L'ECM, Organismo Notificato n° 1282 in conformità all'art. 17 della Direttiva 2014/34/UE del Parlamento europeo e del Consiglio del 26 febbraio 2014, certifica che questa apparecchiatura o sistema di protezione verificata secondo la procedura di cui all'allegato III, Modulo B, è conforme ai requisiti essenziali di sicurezza e salute per il progetto e la costruzione di apparecchiature e sistemi di protezione destinati ad essere utilizzati in atmosfere potenzialmente esplosive, definiti nell'allegato II della Direttiva. Le verifiche ed i risultati di prova sono registrati nel rapporto a carattere riservato n° PRD-2023-SD25.

I requisiti essenziali di sicurezza e salute sono assicurati dalla rispondenza alle Norme applicate: EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-31:2014.

Questo Certificato di esame UE del tipo è relativo soltanto al progetto, all'esame ed alle prove dell'apparecchiatura o sistema di protezione specificato in accordo con la Direttiva 2014/34/UE. Ulteriori requisiti di questa Direttiva si applicano al processo di produzione e fornitura dell'apparecchiatura o sistema di protezione: questi requisiti non sono oggetto del presente certificato.

L'apparecchiatura o il sistema di protezione deve riportare i seguenti contrassegni:
The equipment shall be marked with the following symbols:

II 2 G Ex db IIC T4 Gb
 II 2 D Ex tb III T130°C Db

Valsamoggia (BO)
Data - Date 16/11/2023

Timbro
Scadenza - Expiry date 15/11/2028

Test Report / Technical Construction File no. TAHN23110352128

Questo certificato, incluso l'allegato, può essere riprodotto solo integralmente e senza alcuna variazione.
This certificate, annex included, can only be reproduced in its entirety and without any change.



Firma autorizzata
Authorized signature

Amanda Payne
(Deputy Manager)