

CHEX

EX-PROOF WIRE ROPE HOIST

Max. Load: 32 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



Ex-proof electrical control cabinet

- Full set standard Schneider component
- Protection grade IP66



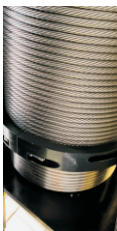
Lifting limit switch

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



Coiling block

- Seamless steel pipe processing production



Rope guide

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



Lifting reducer

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



Lifting brake

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



Hook

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



Ex-proof lifting motor

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



Single girder optional double girder configuration

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

Cross travel limit switch

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.



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)	FEM/ISO /CMAA	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	3m/M6 (Class D)	6	CHEXS010DDS_S(D)G	10/1.6	3.2/0.45	0.37/2*0.25	1400
		9	CHEXS010DDS_S(D)G	10/1.6	3.2/0.45	0.37/2*0.25	1400
		12	CHEXS010DDS_S(D)G	10/1.6	3.2/0.45	0.37/2*0.25	1400
		18	CHEXS010DDS_S(D)G	10/1.6	3.2/0.45	0.37/2*0.25	1400
2000	2m/M5 (Class D)	6	CHEXS020DDS_S(D)G	5/0.8	3.2/0.45	0.37/2*0.25	1400
		9	CHEXS020DDS_S(D)G	5/0.8	3.2/0.45	0.37/2*0.25	1400
		12	CHEXS020DDS_S(D)G	5/0.8	3.2/0.45	0.37/2*0.25	1700
3000	2m/M5 (Class D)	6	CHEXS030DDS_S(D)G	5/0.8	3.2/0.45	0.37/2*0.25	1400
		9	CHEXS030DDS_S(D)G	5/0.8	3.2/0.45	0.37/2*0.25	1400
		12	CHEXS030DDS_S(D)G	5/0.8	3.2/0.45	0.37/2*0.25	1700
5000	2m/M5 (Class D)	6	CHEXS050DDS_S(D)G	5/0.8	6.1/1	0.55/2*0.37	1400
		9	CHEXS050DDS_S(D)G	5/0.8	6.1/1	0.55/2*0.37	1400
		12	CHEXS050DDS_S(D)G	5/0.8	6.1/1	0.55/2*0.37	1700
10000	2m/M5 (Class D)	6	CHEXM100DDS_S(D)G	5/0.8	9.5/1.5	2*0.55/2*0.55	1700
		9	CHEXM100DDS_S(D)G	5/0.8	9.5/1.5	2*0.55/2*0.55	1700
		12	CHEXM100DDS_S(D)G	5/0.8	9.5/1.5	2*0.55/2*0.55	2000
16000	2m/M5 (Class D)	6	CHEXL100DDS_S(D)G	4/0.6	16/2.6	2*0.75/2*0.75	1700
		9	CHEXL100DDS_S(D)G	4/0.6	16/2.6	2*0.75/2*0.75	2000
		12	CHEXL100DDS_S(D)G	4/0.6	16/2.6	2*0.75/2*0.75	2400
20000	2m/M5 (Class D)	6	CHEXL200DDS_S(D)G	4/0.6	16/2.6	2*0.75/2*0.75	1700
		9	CHEXL200DDS_S(D)G	4/0.6	16/2.6	2*0.75/2*0.75	2000
		12	CHEXL200DDS_S(D)G	4/0.6	16/2.6	2*0.75/2*0.75	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

This equipment or protective system and any acceptable variation thereto are described in this Certificate and its Annex.

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.

ECM, Notified Body No. 1282 in accordance with Article. 17 of Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies that this equipment or protective system was tested according to the procedure set out in Annex III, Module B, complies with the essential health and safety requirements for the project and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II of the Directive. The examination and test results are recorded in confidential report no. PRD-2023-SD25.

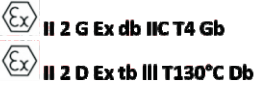
I requisiti essenziali di sicurezza e salute sono assicurati dalla rispondenza alle Norme applicate: EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-31:2014.

The essential health and safety requirements are assured by compliance with applied Standard: 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.

This EU-type examination certificate relates only to the design, examination and tests specified equipment in accordance with Directive 2014/34/EU. Further requirements of the Directive shall be applied to the manufacturing process and supply condition: requirements are not covered by this certificate.

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



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

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.