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

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

Single girder optional
Double girder configuration

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

Steel wire rope
High strength galvanized
- steel wire rope
- Breaking load 2160N/mm^2
- Maintenance-free design
- No need for oil lubrication

Coiling block
- Seamless steel pipe processing production

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

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

Ex-proof lifting motor
- Double speed explosion-proof motor
- Power connection duration rate: 60%
- 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

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

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

inquiry@clescrane.com

EX-PROOF WIRE ROPE HOIST

Max. Load: 63 Ton

WWW.CLESCRANE.COM

Certified explosion protection

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

*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)	FEM/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	3m/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	2m/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	2m/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	2m/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	2m/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	2m/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	1Am/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*	**Henan Gbcranes Intelligent Material Handling Machinery Co., Ltd.**
Indirizzo *Address*	**1st Floor, Building 4, No. 16, Yin Ping Road, High-tech Development Zone, Zhengzhou, Henan Province, P.R. China**
Apparecchiatura *Equipment*	**Explosion-proof** wire rope hoist
Modelli *Models*	**G-C**HEX, 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° PR**D-2023-SD25.

ECM, Notified Body No. 1282 in accordance **with Article. 17 of** Directive 20**14/34/EU of** the European Parliament **and of the Council** of 26 Februa**ry 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 60**079-0**:2018, EN 60079-**1:2014, EN 60079-31:2014.**

The essential he**alth** and safety requir**ements 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: these** requirements are not co**vered by this certificate.**

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**

Firma autorizzata
Authorized signature

Amanda Payne
(Deputy Manager)

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.

Cer. 11 ATEX All. III Rev. 1 – 06/03/2017

Ente Certificazione Macchine srl
Via Ca' Bella 243 – Loc. Castello di Serravalle – 40053 Valsamoggia (BO)
+39 0516705141 +39 0516705156 ecm@entecerma.it www.entecerma.it