



## **Ex** -Proof Manual

### CHAIN HOIST [1,2,3,5,10TON] PLAIN & GEARED TROLLEYS[1,2,3,5,10]

#### EXPLOSION PROTECTION & SPARK RESISTANCE

Designed for explosive environments with spark-resistant, full bronze suspension and load hooks; stainless steel hand chain and electroless nickel plated load chain ; and bronze wheels for trolley with safety drop stop and rubber bumper

#### CORROSION RESISTANT

Enclosed robust electroless nickel plated housing protects internal components, even in the toughest conditions.

\*ATEX marking :

EX II 2 GD C IIC T4 T + 135 °C

\*Suitable for gas & dust hazardous areas :  
zone 1&2, zone 21&22

\*Stainless steel Load chain(SUS316L)

\*Stainless steel hand chain (SUS304)

\*Electroless nickel plated load chain

\*Bronze wheel

Option



Hoist body weather cover



Stainless steel frame canvas chain box

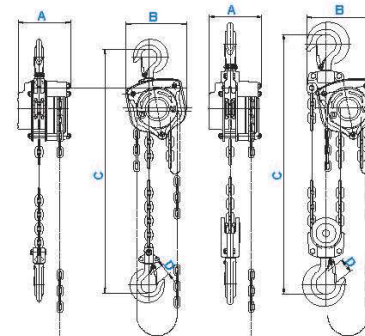


Overload protection device

\*This option is available for all chain blocks and spark resistant chain hoists.  
\* Chain box types: stainless steel frame canvas chain box and steel frame canvas chain box.



## - Spark Resistant Chain Hoist



#### EX DSN TYPE

MODEL NO. - EX DSN	1	2	3	5	10
Capacity (Nickel plated load chain) (ton)	1	2	3	5	10
Hand chain force (kg)	33	34	35	39	41
Hand chain operation length (m)	2.5	3	3	3	3.5
Number of chain falls (no.)	1	1	2	2	4
Load chain size (mm)	6.3 x 19.1	7.9 x 23.0	7.1 x 21.0	9.0 x 27.0	9.0 x 27.0
Min headroom (C) (mm)	330	380	480	620	820
A (Dimension) (mm)	147	184	147	185	185
B	145	187	206	258	367
D	30	38	42	45	53
Net weight with standard lift (kg)	12	22	23	41	95
Net weight per m additional lift (kg)	1.36	1.86	2.7	4.02	7.54

\*In case of applying stainless steel load chain, it is recommended to use 60% of rated load.

\*The above specification is subject to change for stainless steel load chain application.



## - Spark Resistant plain & geared traveling trolley

#### EX DP,DG TYPE

MODEL NO.	EX DP	1	2	3	5	10
	EX DG	1	2	3	5	10
Capacity (ton)		1	2	3	5	10
Hand chain force (kg)		10	16	20	20	19
Hand chain operation length (m)		2.5	3	3	3	3.5
Flange width (mm)		75 - 125	100 - 150	100 - 150	125 - 175	125 - 200
Min curve radius (mm)		1300	1500	2000	2500	2600
A (Dimension) (mm)		399	439	480	519	536
B		122	142	163	183	183
C		221.5	253	269.5	300.5	376
D		142.5	160	169	185.5	249
E		79	93	100.5	116	127
G		80	100	113	125	125
I		49	63	78.5	97.5	106
K		26	32	36	50	70
L		305.5	336	351.5	383	448.5
M		22	32	40	45	60
Net weight EXDP TYPE (Standard) (kg)		15	25	38	48	69
Net weight EXDG TYPE (Standard) (kg)		18	28	40	58	79

\*Explosion protected version with spark resistant coating



#### Corrosion protection (Basic/Medium)

EXDP & EXDG-trolleys have outstanding corrosion protection. All steel parts are electroless nickel plated. This is a must in wet rooms and in very aggressive environment. Larger flange width are optional. Wheels fit flat and also tapered flanges!

