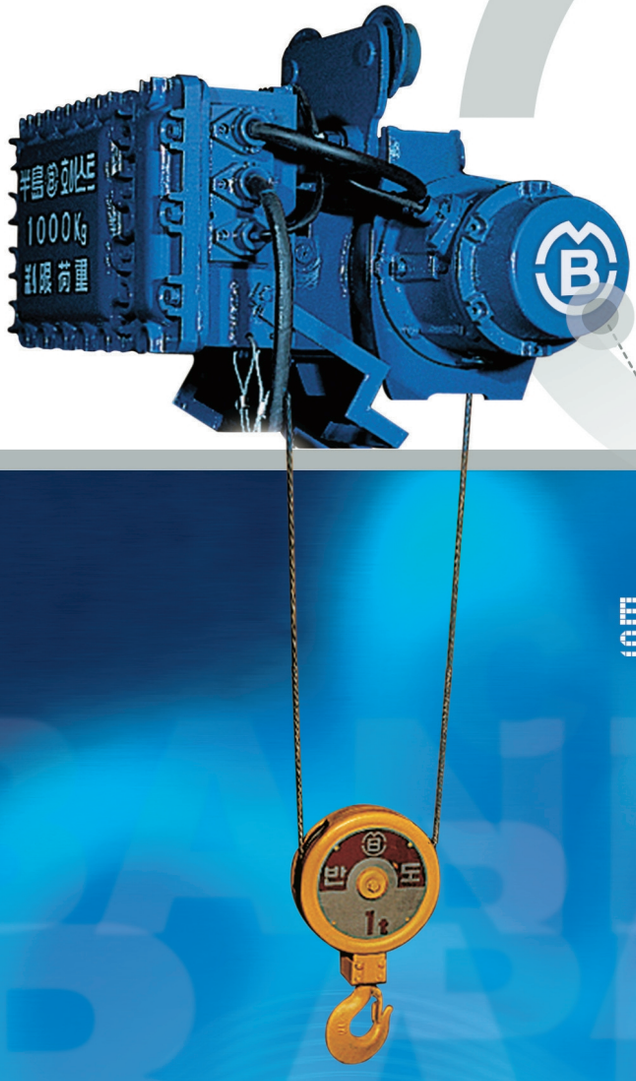


BANDO

EXPLOSION PROOF HOIST

B A N D O

www.bandohoist.com

ISO 9001 kfq REGISTERED FIRM

CERTIFIED IQNet MANAGEMENT SYSTEM

INNOBIZ

BEFORE SERVICE

POWER

반도 호이스트크레인

BANDO CRANES

Main Products

www.bandohoist.com


Wire Rope Hoist


Ex-proof Hoist

Chain Hoist

i-LIFTER


Crane


Conveyor


F/A System


Ci-LIFTER

Wire Rope Hoist & Explosion-proof Hoist

Mono-Rail Type	1/2ton~20ton
Double-Rail Type	2ton~140ton
Low-Head Type	0.5ton~5ton
Creep Type	1ton~140ton
Main & Aux. Hoist	5/2ton~100/60ton
Double Low-Head Type	2ton~7.5ton

Ceo Hoist

600 700 800 900 1,000 1,100 Series

Chain Hoist

CM, CS, CP, CG Type	0.25ton~20ton

Cranes

Hoist Crane	1/2ton~140ton
Crab Crane	5ton~200ton
Gantry Crane	1/2ton~140ton
Jib Crane	1/2ton~10ton

Components of Crane

Saddle Unit	160Ø~800Ø
Wheel Unit	160Ø~800Ø
Geared Motor	0.2kW~5.5kW
Soft Starter	
Load Limiter	

Tongs & Coil Lifter

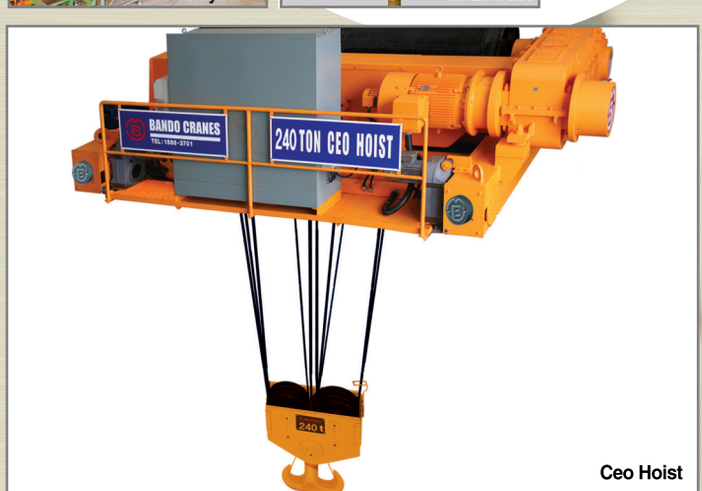
Spool Hanger	5ton~40ton
Coil Lifter	10ton~40ton
C-Hook	5ton~30ton

Conveyor

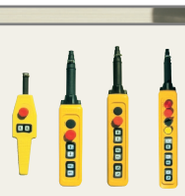
Custom Engineered Conveyor Systems

F/A System

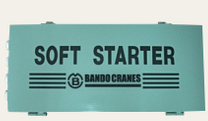
Automated Storage & Retrieval System



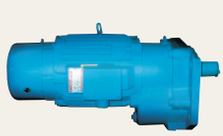
Ceo Hoist


Pendant Push Button Controllers

Load Limiter

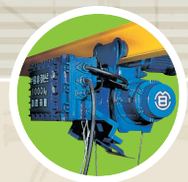


Soft Starter


Geared Motor–A
(ET TYPE)


Geared Motor–B
(오뚜기 TYPE)


Geared Motor–C
(넙죽이 TYPE)



CONTENTS

{특징}+++

▶높은안전성

-Push Button은 물론 Motor Brake나 단자 Box까지 방폭구조로 설계, 제작되어 화학공장등에서의 안전 작업을 보장합니다

-권상 상한 Limit Switch는 2단 구조로 되어 있으며 1단은 조작선을 차단시키고, 2단은 동력선을 차단 시키므로써 안전성을 높였습니다

-산업안전 보건법에 의한 방폭 성능검사를 필한 제품을 사용합니다

▶무보수,무점검화

-축수부분은 고정도 Bearing, 밀폐형 Oil Box내의 유성치차기구, 전기종 D.C Brake를 채용하여 조정이 간단히 되며 무점검화 하였습니다.

▶광범위로 사용가능

-화학공장등 각종의 위험한 장소에서 안전하게 사용할 수 있습니다.

▶수많은 납품실적이 성능을 보장합니다.

{FEATURE}+++

▶High Safety

-Terminal box as well as push button is designed to be explosion-proof to guarantee safe operation in workplaces including chemical plants.

-Installation of two step limit switch the first to cut off the operation line and the second to cut off the power line increased safety. (safety was increased by installing two-step upper limit switch the first for the operation line cut-off and the second for the power line cut-off)

-Explosion-proof type overload prevention device is installed in aecordance with the Industrial Safety Laws.

▶No Need of Repair or Checkup

-The spindle employs a super precision bearing, PL ANETARY GEAR inside the closed oil box, D.C.brake for all types for a simple adjustment and no checkup.

▶Available in Various Usage

-It can be used safely at a number of dangerous workplaces chemical plants.

▶Numerous sales record themselves assure the great performance.

{기본사항}+++

▶공통사양

-방폭구조:내압방폭구조 d2G4/Exd Ⅱ CT4
-정격:30분
-기본온도:-10℃+40℃
-전원:220V-60Hz, 380V-60Hz, 440V-60Hz
-권상Brake:D. C Magnet Disc Brake
-횡행Brake:D. C Magnet Disc Brake
-표준도장색:Munsell No. 10B 3/5

▶호이스트주문시에는 하기사항을 반드시 명기하여 주십시요.

1. 사용장소(옥내,옥외)
2. 사용물질명칭(발화도, 폭발등급)
3. 사용하중(Ton):
4. 양정(Meter:표준 6M, 12M임)
5. 희망속도(권상 □M/Min-횡행 □M/Min)
6. 형식(Regular Type, Doulble Rail Type, Lowhead Type)
7. 전원(□V, □Hz)
8. I-Beam치수(I × ×)

{SPECIFICATION}+++

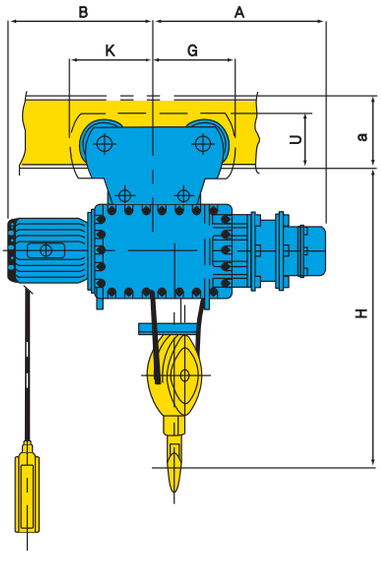
▶SPECIFICATION

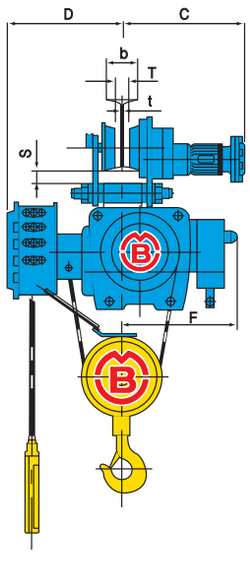
-Structure of EX-Proof: Resisiting Pressure & EX-Proof d2G4/Exd Ⅱ CT4
-Rating: 30Min
-Ambient Temperature: -10℃+40℃
-Power source: 220V-60Hz, 380V-60Hz, 440V-60Hz
-Hoisting Brake: D. C Magnet Disc Brake
-Traversing Brake: D. C Magnet Disc Brake
-Coating Color: Munsell No. 10B 3/5

▶Please stipulate what is mentioned below, when you order this hoist.

1. Setting Place(Inside, Outside)
2. Name of material(Degree of firing, Degree of explosion)
3. Capacity(Ton):
4. Lift (Meter: 6M, 12M)
5. Speed(Hoisting □M/Min-Traversing □M/Min)
6. Traversing(Regular Type, Doulble Rail Type, Lowhead Type)
7. Power source(□V,□Hz)
8. Dimension of I-Beam(I × ×)

REGULAR TYPE HOIST WITH MOTOR DRIVEN TROLLEY



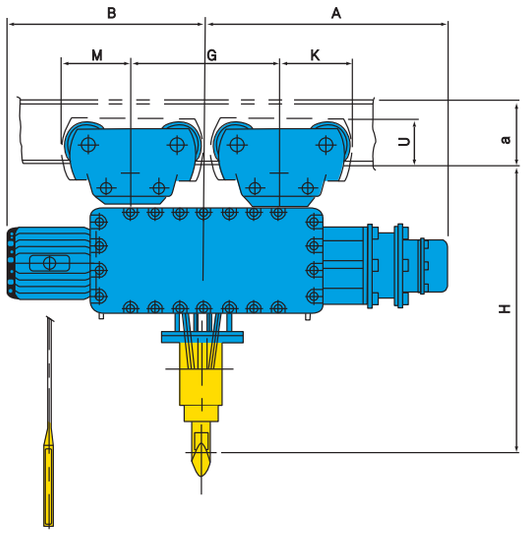


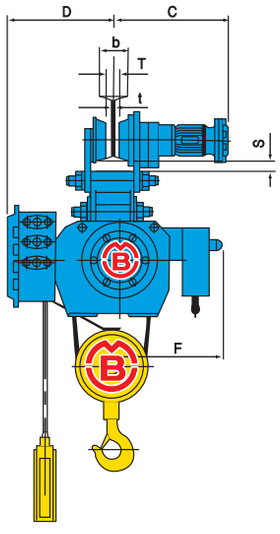
Capacity(ton)			1/2	1	2	2.8	3	5
Type	Hoisting speed (High-low) / Traversing speed (High-low)	High-high	Z-BN1/2-H6(12)-MH	Z-BN1-H6(12)-MH	Z-BN2-H6(12)-MH	Z-BN2.8-H6(12)-MH	Z-BN3-H6(12)-MH	Z-BN5-H6(12)-MH
		High-low	Z-BN1/2-H6(12)-ML	Z-BN1-H6(12)-ML	Z-BN2-H6(12)-ML	Z-BN2.8-H6(12)-ML	Z-BN3-H6(12)-ML	Z-BN5-H6(12)-ML
		Low-high	Z-BN1/2-L6(12)-MH	Z-BN1-L6(12)-MH	Z-BN2-L6(12)-MH	Z-BN2.8-L6(12)-MH	Z-BN3-L6(12)-MH	Z-BN5-L6(12)-MH
		Low-low	Z-BN1/2-L6(12)-ML	Z-BN1-L6(12)-ML	Z-BN2-L6(12)-ML	Z-BN2.8-L6(12)-ML	Z-BN3-L6(12)-ML	Z-BN5-L6(12)-ML
Hoist	Max.lift(m)		6(12)	6(12)	6(12)	6(12)	6(12)	6(12)
	Hoisting speed (m/min)	High speed 50/60(Hz)	10/12	10/12	8.4/10	7.5/9	7.5/9	4.7/5.6
		Low speed 50/60(Hz)	5/6	5/6	4.2/5	3.7/4.5	3.7/4.5	3.5/4.2
	Hoisting motor (Kw×P)	High speed	2.4×4	2.4×4	3.7×4	4.8×4	5.5×4	5.5×6
		Low speed	1.2×8	1.2×8	1.8×8	2.4×8	2.8×8	4.2×8
	Wire rope	Construction	6×37	6×19	6×37	6×37	6×37	6×37
		Dia.(mm)x no. of ropes	8×2	8×2	10×2	12.5×2	12.5×2	16×2
	Brake		DC magnet disc brake					
Traversing	Traversing speed (m/min)	High speed 50/60(Hz)	20/24	20/24	20/24	20/24	20/24	20/24
		Low speed 50/60(Hz)	13/16	13/16	13/16	13/16	13/16	13/16
	Traversing motor (Kw×P)	High speed	0.4×4	0.4×4	0.75×4	0.75×4	0.75×4	0.75×4
		Low speed	0.2×6	0.2×6	0.5×6	0.5×6	0.5×6	0.5×6
Dimensions(approx.)(mm)		H	900	900	1110	1250	1250	1450
		A	425(525)	425(525)	505(605)	545(645)	545(645)	655(765)
		B	440(540)	440(540)	495(695)	475(575)	475(575)	550(665)
		D	450	450	480	500	500	510
		G	255	255	260	260	260	275
		K	200	200	225	225	225	275

I-beam and spacing(mm)	a×b×t	1/2 C	1/2 F	1/2 S	1/2 T	1/2 U	1 C	1 F	1 S	1 T	1 U	2 C	2 F	2 S	2 T	2 U	2.8 C	2.8 F	2.8 S	2.8 T	2.8 U	3 C	3 F	3 S	3 T	3 U	5 C	5 F	5 S	5 T	5 U
	200×100×7	440	490	38	46	144	440	490	38	46	144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	250×125×7.5	445	490	30	71	153	445	490	30	71	153	510	525	24	71	182	475	530	23	71	182	475	530	23	71	182	455	570	39	61	222
	300×150×10	470	490	28	96	155	470	490	28	96	155	525	525	24	96	182	490	530	23	96	182	490	530	23	96	182	465	570	37	86	224
	450×175×13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	480	570	34	111	228

Min. radius of curvature(m)	1.5	1.5	1.8	1.8	1.8	2.3
Weight(approx.)(kg)	270(320)	270(320)	350(400)	450(500)	450(500)	6851(750)

* Note: 1. Figures in parentheses are for hoists of 12-meter lift
2. Dimensions of I-beam in sections are standard ones, Other I-beam also can be used by changing spacers.

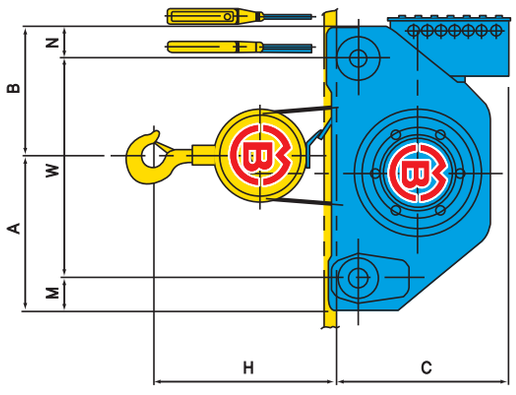




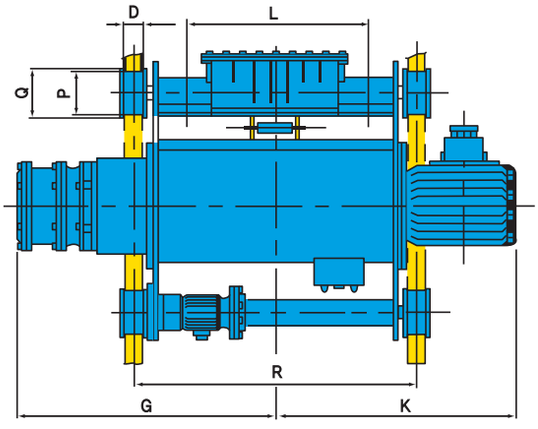
Capacity(ton)			7.5					10					15					20				
Type	Hoisting speed (High-low) / Traversing speed (High-low)	High-high	Z-BN7.5-H12-MH					Z-BN10-H12-MH					Z-BN15-H12-MH					Z-BN20-H12-MH				
		High-low	Z-BN7.5-H12-ML					Z-BN10-H12-ML					Z-BN15-H12-ML					Z-BN20-H12-ML				
		Low-high	Z-BN7.5-L12-MH					Z-BN10-L12-MH					Z-BN15-L12-MH					Z-BN20-L12-MH				
		Low-low	Z-BN7.5-L12-ML					Z-BN10-L12-ML					Z-BN15-L12-ML					Z-BN20-L12-ML				
Hoist	Max.lift(m)		12					12					12					12				
	Hoisting speed (m/min)	High speed 50/60(Hz)	3.1/3.8					3.7/4.5					3.7/4.5					3.5/4.2				
		Low speed 50/60(Hz)	2.3/2.8					2.5/3					2.5/3					2.3/2.8				
	Hoisting motor (Kw × P)	High speed	5.5×6					9×8					13×8					17×8				
		Low speed	4.2×8					6×12					8.5×12					11.5×12				
	Wire rope	Construction	6×37					6×37					6×37					6×37				
		Dia. (mm)x no. of ropes	14×4					16×4					20×4					22.4×4				
	Brake		DC magnet disc brake																			
Traversing	Traversing speed (m/min)	High speed 50/60(Hz)	12.5/15					12.5/15					12.5/15					12.5/15				
		Low speed 50/60(Hz)	8.3/10					8.3/10					8.3/10					8.3/10				
	Traversing motor (Kw × P)	High speed	0.75×4					0.75×4					1.5×4					1.5×4				
		Low speed	0.5×6					0.5×6					1×6					1×6				
	Brake		DC magnet disc brake																			
Dimensions(approx)(mm)		H	1460					1565					1875					2115				
		A	970					1042					1075					1165				
		B	950					955					1005					1220				
		D	515					615					680					700				
		G	800					800					800					850				
		K	276					276					300					300				
		M	276					276					300					300				
I-beam and spacing(mm)		a×b×t	C	F	S	T	U	C	F	S	T	U	C	F	S	T	U	C	F	S	T	U
		300×150×10	557	620	35	68	224	555	640	35	68	224	-	-	-	-	-	-	-	-	-	-
		450×175×13	570	620	30	93	228	570	640	30	93	228	580	680	32	77	248	580	700	32	77	248
		600×190×13	597	620	25	118	232	580	640	25	118	232	590	680	32	92	248	590	700	32	92	248
Min. radius of curvature(m)			For straight rails only																			
Weight(approx.)(kg)			1000					1500					2200					2600				

* Note: 1. If curved rail reaquies, this must be indicated in advance

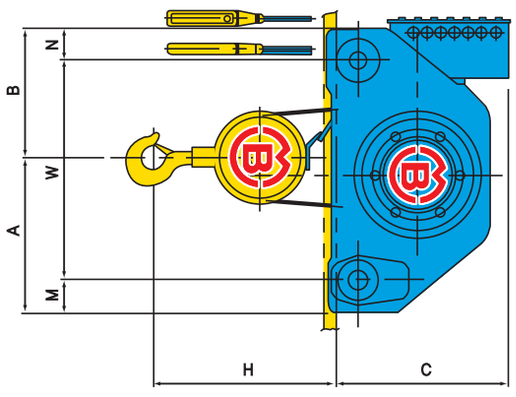
DOUBLE-RAIL TYPE HOIST WITH MOTOR DRIVEN TROLLEY

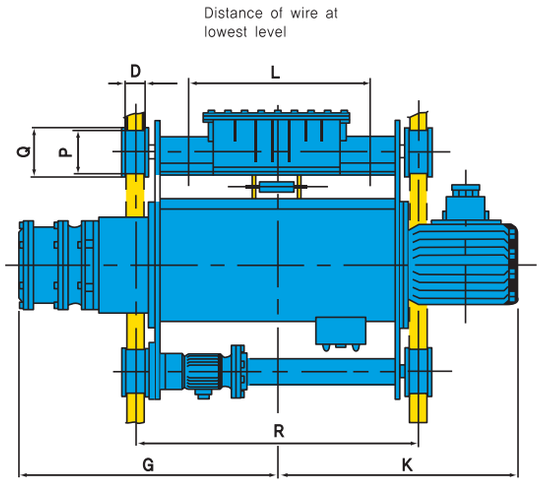


Distance of wire at lowest level



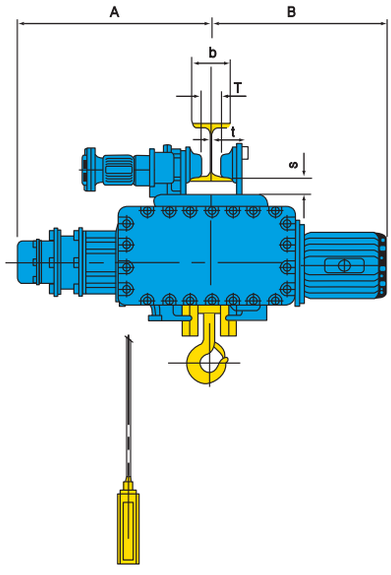
Capacity(ton)			2	2.8	3	5
Type	Hoisting speed (High-low) Traversing speed (High-low)	High-high	Z-BD2-H12-MH	Z-BD2.8-H12-MH	Z-BD3-H12-MH	Z-BD5-H12-MH
		High-low	Z-BD2-H12-ML	Z-BD2.8-H12-ML	Z-BD3-H12-ML	Z-BD5-H12-ML
		Low-high	Z-BD2-L12-MH	Z-BD2.8-L12-MH	Z-BD3-L12-MH	Z-BD5-L12-MH
		Low-low	Z-BD2-L12-ML	Z-BD2.8-L12-ML	Z-BD3-L12-ML	Z-BD5-L12-ML
Hoist	Max. lift(m)		12	12	12	12
	Hoisting speed (m/min)	High speed 50/60(Hz)	8.4/10	7.5/9	7.5/9	4.7/5.6
		Low speed 50/60(Hz)	4.2/5	3.7/4.5	3.7/4.5	3.5/4.2
	Hoisting motor (Kw × P)	High speed	3.7×4	4.8×4	5.5×4	5.5×6
		Low speed	1.8×8	2.4×8	2.8×8	4.2×8
	Wire rope	Construction	6×19	6×37	6×37	6×37
		Dia. (mm)x no. of ropes	8×4	9×4	9×4	12.5×4
	Brake		DC magnet disc brake			
Traversing	Traversing speed (m/min)	High speed 50/60(Hz)	20/24	20/24	20/24	20/24
		Low speed 50/60(Hz)	13/16	13/16	13/16	13/16
	Traversing motor (Kw × P)	High speed	0.75×4	0.75×4	0.75×4	0.75×4
		Low speed	0.5×6	0.5×6	0.5×6	0.5×6
Dimensions(approx.)(mm)		H	415	420	420	510
		R	950	950	950	1,150
		A	465	465	465	510
		B	390	390	390	470
		C	700	700	700	800
		G	790	835	835	980
		K	740	760	760	895
		W	650	650	650	760
		D	47	47	47	47
		L	680	690	690	890
		M	115	115	115	120
		N	90	90	90	105
		P	140	140	140	165
		Q	170	170	170	195
Weight(approx.)(kg)			600	650	650	950
Rail			15kg/m	15kg/m	15kg/m	15kg/m

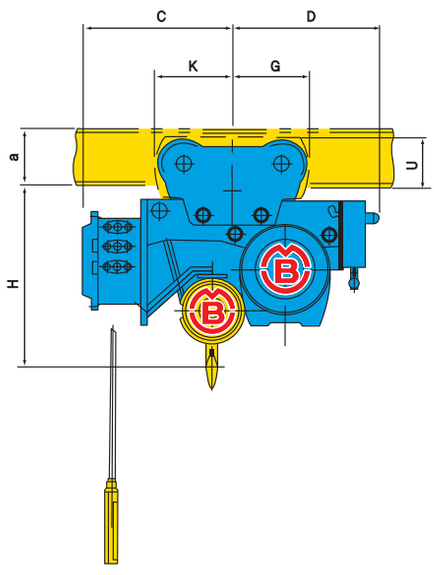




Capacity(ton)			7.5	10	15	20	30
Type	Hoisting speed (High-low) Traversing speed (High-low)	High-high	Z-BD7.5-H12-MH	Z-BD10-H12-MH	Z-BD15-H12-MH	Z-BD20-H12-MH	Z-BD30-H12-MH
		High-low	Z-BD7.5-H12-ML	Z-BD10-H12-ML	Z-BD15-H12-ML	Z-BD20-H12-ML	Z-BD30-H12-ML
		Low-high	Z-BD7.5-L12-MH	Z-BD10-L12-MH	Z-BD15-L12-MH	Z-BD20-L12-MH	Z-BD30-L12-MH
		Low-low	Z-BD7.5-L12-ML	Z-BD10-L12-ML	Z-BD15-L12-ML	Z-BD20-L12-ML	Z-BD30-L12-ML
Hoist	Max. lift(m)		12	12	12	12	12
	Hoisting speed (m/min)	High speed 50/60(Hz)	3.1/3.8	3.7/4.5	3.7/4.5	3.5/4.2	2.3/2.8
		Low speed 50/60(Hz)	2.3/2.8	2.5/3	2.5/3	2.5/2.8	1.5/1.8
	Hoisting motor (Kw×P)	High speed	5.5×6	9×8	13×8	17×8	17×8
		Low speed	4.2×8	6×12	8.5×12	11.5×12	11.5×12
	Wire rope	Construction	6×37	6×37	6×37	6×37	6×37
		Dia. (mm)x no. of ropes	14×4	16×4	20×4	22.4×4	22.4×6
	Brake		DC magnet disc brake				
Traversing	Traversing speed (m/min)	High speed 50/60(Hz)	12.5/15	12.5/15	12.5/15	12.5/15	12.5/15
		Low speed 50/60(Hz)	8.3/10	8.3/10	8.3/10	8.3/10	8.3/10
	Traversing motor (Kw×P)	High speed	0.75×4	0.75×4	1.5×4	1.5×4	1.5×4(2 units)
		Low speed	0.5×6	0.5×6	1×6	1×6	1×6(2 units)
Dimensions(approx.)(mm)		H	730	775	995	1175	1480
		R	1150	1150	1200	1300	1800
		A	595	575	625	670	930
		B	520	510	555	610	950
		C	750	825	860	900	925
		G	990	1042	1150	1215	1425
		K	880	953	1020	1270	1480
		W	800	865	920	1000	1540
		D	58	58	58	58	70
		L	852	851	872	934	1418
		M	120	120	130	140	180
		N	95	100	130	140	160
		P	165	165	180	220	250
		Q	195	195	210	250	280
Weight(approx.)(kg)			1050	1400	2000	2550	4000
Rail			15kg/m	15kg/m	15kg/m	22kg/m	30kg/m

LOW HEAD TYPE HOIST WITH MOTOR DRIVEN TROLLEY





Capacity(ton)			1/2	1	2	2.8	3	5
Type	Hoisting speed (High-low) Traversing speed (High-low)	High-high	Z-BL^1/2-H6-MH	Z-BL1-H6-MH	Z-BL2-H6-MH	Z-BL2.8-H6-MH	Z-BL3-H6-MH	Z-BL5-H6-MH
		High-low	Z-BL^1/2-H6-ML	Z-BL1-H6-ML	Z-BL2-H6-ML	Z-BL2.8-H6-ML	Z-BL3-H6-ML	Z-BL5-H6-ML
		Low-high	Z-BL^1/2-L6-MH	Z-BL1-L6-MH	Z-BL2-L6-MH	Z-BL2.8-L6-MH	Z-BL3-L6-MH	Z-BL5-L6-MH
		Low-low	Z-BL^1/2-L6-ML	Z-BL1-L6-ML	Z-BL2-L6-ML	Z-BL2.8-L6-ML	Z-BL3-L6-ML	Z-BL5-L6-ML
Hoist	Max.lift(m)		6	6	6	6	6	6
	Hoisting speed (m/min)	High speed 50/60(Hz)	10/12	10/12	8.4/10	7.5/9	7.5/9	4.7/5.6
		Low speed 50/60(Hz)	5/6	5/6	4.2/5	3.7/4.5	3.7/4.5	3.5/4.2
	Hoisting motor (Kw × P)	High speed	2.4×4	2.4×4	3.7×4	4.8×4	5.5×4	5.5×6
		Low speed	1.2×8	1.2×8	1.8×8	2.4×8	2.8×8	4.2×8
	Wire rope	Construction	6×19	6×19	6×19	6×37	6×37	6×37
		Dia. (mm)x no. of ropes	6×4	6×4	8×4	9×4	9×4	11.2×4
	Brake		DC magnet disc brake					
Traversing	Traversing speed (m/min)	High speed 50/60(Hz)	20/24	20/24	20/24	20/24	20/24	20/24
		Low speed 50/60(Hz)	13/16	13/16	13/16	13/16	13/16	13/16
	Traversing motor (Kw × P)	High speed	0.4×4	0.4×4	0.75×4	0.75×4	0.75×4	0.75×4
		Low speed	0.2×6	0.2×6	0.5×6	0.5×6	0.5×6	0.5×6
Dimensions(approx.)(mm)		H	600	600	670	685	685	850
		A	550	550	605	645	645	750
		B	530	530	595	575	575	610
		C	465	465	490	575	575	600
		D	475	475	580	590	590	640
		G	255	255	260	260	260	275
		K	200	200	225	225	225	275

I-beam and spacing(mm)	a×b×t	S	T	U	S	T	U	S	T	U	S	T	U	S	T	U	S	T	U
	200×100×7	38	46	144	38	46	144	-	-	-	-	-	-	-	-	-	-	-	-
	250×125×7.5	30	71	153	30	71	153	22	71	182	23	71	182	23	71	182	-	-	-
	300×150×10	28	96	155	28	96	155	22	96	182	23	96	182	23	96	182	26	86	224
	450×175×13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	111	228

Min. radius of curvature(m)	1.5	1.5	1.8	1.8	1.8	2.3
Weight(approx.)(kg)	280	280	430	520	520	850

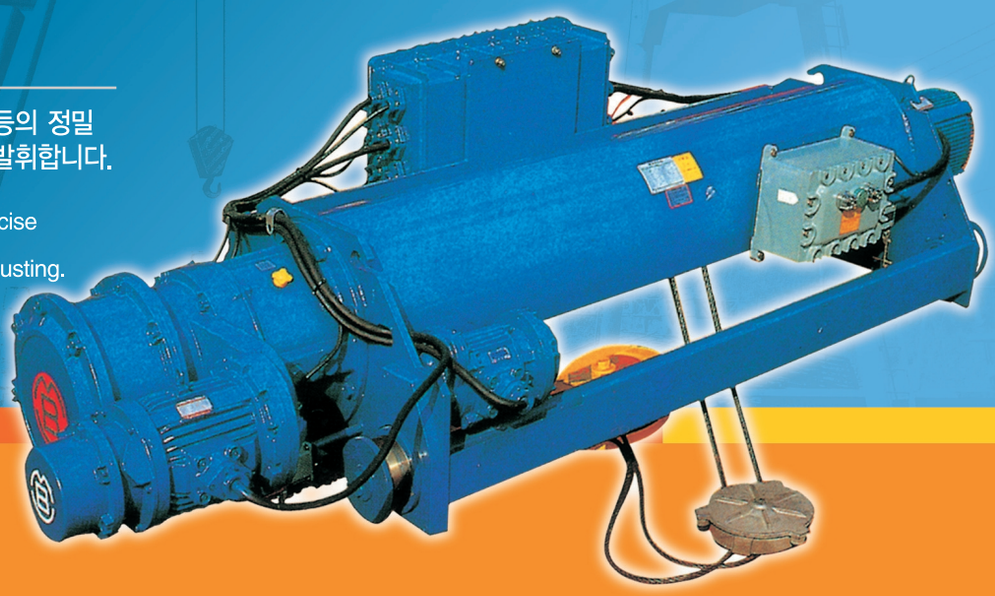
* Note: 1. Dimensions of I-beam in sections are standard ones, Other I-beam also can be used by changing spacers.

BANDO CREEP HOIST

SOFT LANDING

기계조립 및 금형맞춤 등의 정밀
작업에 탁월한 성능을 발휘합니다.

Demonstrates excellent
perfomance in doing precise
work such as machinery
assembling and form adjusting.



www.bandohoist.com

특 징

1. 미속Hoist는 작업능률을 향상시킵니다.

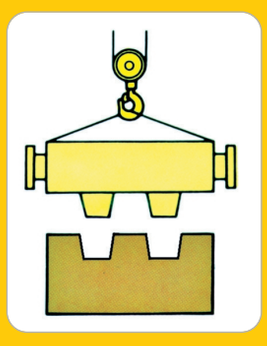
Inching없이 정위치에 확실히 운반물을 착상시킬수 있으며,
운반물을 운반시에는 고속으로, 정밀한 작업시에는 미속으로 할수
있으므로 운반물의 over run이 없으며 안전하고 고능률적입니다.

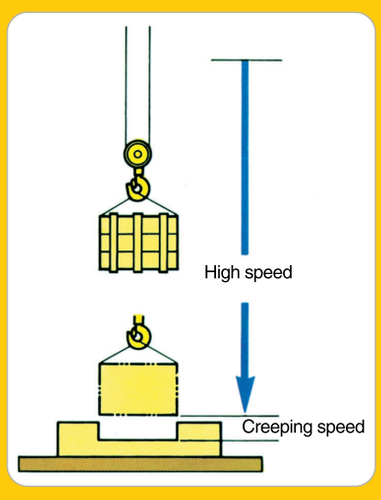
2. 안전작업이 약속됩니다.

단거리의 승강도 정숙하게 확실히 되므로 사고가 방지됩니다.
또한 고속 미속의 교환이 충격없이 서서히 변화합니다.
2단 Push Button Switch의 작동은 살짝 누르면 미속, 세게 누르면
고속이 되므로 잘못 조작사용시에도 위험이 없습니다.

3. 운반물에 손상을 주지 않습니다.

정지 희망위치를 지나치거나, 모자라거나 충격적으로 착상하는 일은
전혀 없으므로 정밀가공품이라도 손상시키는 일은 없습니다





WORKING EFFICIENCY

Speed is freely changed with push buttons at a high speed When large movement and creep speed when fine adjusting movement. The hoisted load is securely and effciently stopped and unloaded.

SAFETY DESIGN

Two moters of creep speed and high speed are provided. The creep speed selected by 2nd level pushed button and the high speed by 1st level pushed button. Even if the load is hoisted for a short distance, it is stably and smoothly.

SMOOTH TROLLEY TRAVEL

Trolley is equipped with geared motor of slow-start and stop so that the trolley position is and smoothly adjusted.

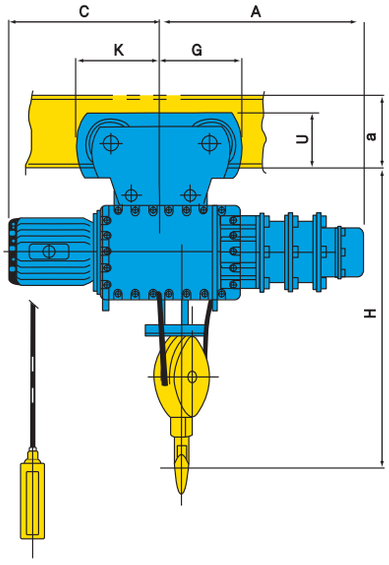
DURABILITY AND ECONOMICAL IMPROVEMENT

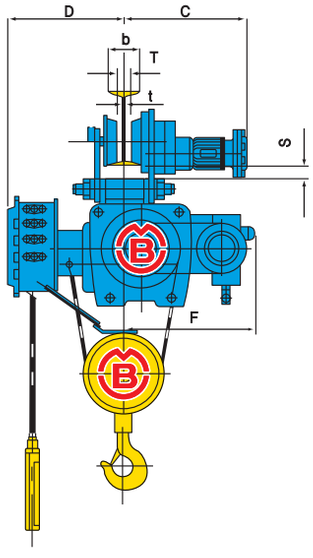
Since inching operation is unnecessary, there is no over-current, machine mechanism shock is softened and durability is increased.
Thus, the hoist is the energy saving type which reduces denamd.

FINE WORK, VARIOUS APPLICATIONS

- Work removable to machine tool
- Machine assembly
- Die matching of injection machine
- Die transter, maching and drawing works at casting shop
- Die mounting, removing to press
- Change of jigs and tooks

REGULAR TYPE CREEP HOIST WITH MOTOR DRIVEN TROLLEY

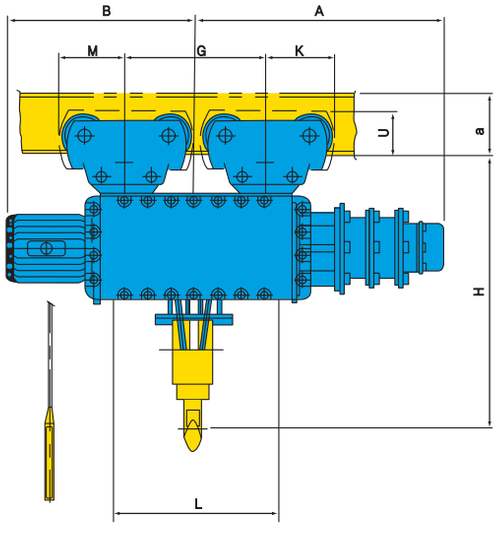


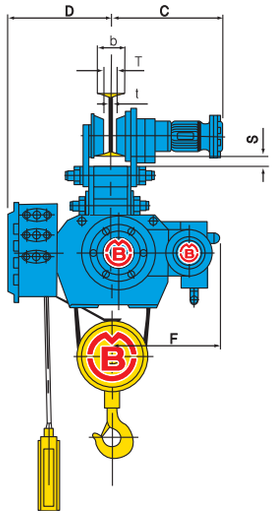


Capacity(ton)				1	2	2.8	3	5
Type	High-speed traversing			Z-CBN1-H6(12)-MH	Z-CBN2-H6(12)-MH	Z-CBN2.8-H6(12)-MH	Z-CBN3-H6(12)-MH	Z-CBN5-H6(12)-MH
	Low-speed traversing			Z-CBN1-L6(12)-ML	Z-CBN2-L6(12)-ML	Z-CBN2.8-L6(12)-ML	Z-CBN3-L6(12)-ML	Z-CBN5-L6(12)-ML
Hoist	Max. lift(m)			6(12)	6(12)	6(12)	6(12)	6(12)
	High speed(m/min) High/creep speed		50 Hz	10/1	8.4/0.84	7.5/0.75	7.5/0.75	4.7/0.47
			60 Hz	12/1.2	10/1	9/0.9	9/0.9	5.6/0.56
	Motor(Kw × P)High/creep speed			2.4/0.4×4	3.7/0.4×4	4.9/1.1×4	5.5/1.1×4	5.5/1×6
	Wire rope	Construction		6×37	6×37	6×37	6×37	6×37
		Dia (mm)x no. of ropes		8×2	10×2	12.5×2	12.5×2	16×2
	Brake			DC magnet disc brake				
Traversing	Traversing speed (m/min)	High speed	50 Hz	20	20	20	20	20
			60 Hz	24	24	24	24	24
		Low speed	50 Hz	13	13	13	13	13
			60 Hz	16	16	16	16	16
	Motor(Kw × P)		High speed	0.4×4	0.75×4	0.75×4	0.75×4	0.75×4
			Low speed	0.2×6	0.5×6	0.5×6	0.5×6	0.5×6
Dimensions(approx)(mm)			H	1000	1100	1250	1250	1375
			A	700(800)	700(800)	850(950)	850(950)	928(1028)
			B	495(595)	495(595)	475(575)	475(575)	565(665)
			D	480	480	500	500	560
			F	480	525	495	495	535
			G	255	260	260	260	275
			K	200	225	225	225	275

I-beam and spacing(mm) a×b×t	1				2				2.8				3				5			
	C	S	T	U	C	S	T	U	C	S	T	U	C	S	T	U	C	S	T	U
200×100×7	385	38	46	144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250×125×7.5	395	30	71	153	445	26	71	182	445	25	71	182	445	25	71	182	455	37	61	222
300×150×10	410	28	96	155	460	24	96	182	460	23	96	182	460	23	96	182	465	32	86	224
450×175×13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	480	32	111	228
Min. radius of curvature(m)	1.5				1.8				1.8				1.8				2.3			
Weight(approx.)(kg)	250(310)				360(400)				480(525)				480(525)				695(760)			

* Note: 1. Dimensions of I-beam in sections are standard ones. Other I-beam also can be used by changing spacers.
2. In case of shape cutve, the minimum radius of curvature must be larger than the above.

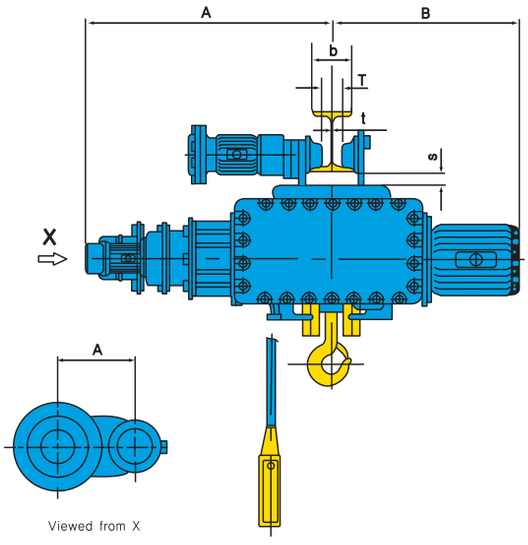


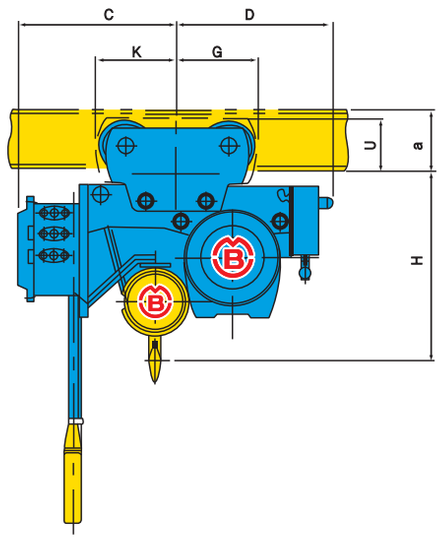


Capacity(ton)				7.5				10				15				20			
Type	High-speed traversing			Z-CBN7.5-H12-MH				Z-CBN10-H12-MH				Z-CBN15-H12-MH				Z-CBN20-H12-MH			
	Low-speed traversing			Z-CBN7.5-L12-ML				Z-CBN10-L12-ML				Z-CBN15-L12-ML				Z-CBN20-L12-ML			
Hoist	Max. lift(m)			12				12				12				12			
	High speed(m/min)		50 Hz	3.1/0.31				3.7/0.37				3.7/0.37				3.5/0.35			
	High/creep speed		60 Hz	3.8/0.38				4.5/0.45				4.5/0.45				4.2/0.42			
	Motor(Kw × P)High/creep speed			5.5/1 × 6				9/1.1 × 8				13/1.8 × 8				17/1.8 × 8			
	Wire rope	Construction		6 × 37				6 × 37				6 × 37				6 × 37			
		Dia (mm)x no. of ropes		14 × 4				16 × 4				20 × 4				22.4 × 4			
	Brake			DC magnet disc brake															
Traversing	Traversing speed (m/min)	High speed	50 Hz	12.5				12.5				12.5				12.5			
			60 Hz	15				15				15				15			
		Low speed	50 Hz	8.3				8.3				8.3				8.3			
			60 Hz	10				10				10				10			
	Motor(Kw × P)		High speed	0.75 × 4				0.75 × 4(2 units)				1.5 × 4(2 units)				1.5 × 4(2 units)			
			Low speed	0.5 × 6				0.5 × 6(2 units)				1 × 6(2 units)				1 × 6(2 units)			
Dimensions(approx.)(mm)			H	1460				1565				1875				2115			
			A	1320				1345				1535				1630			
			B	885				955				1175				1320			
			D	615				615				750				760			
			F	515				575				625				671			
			L	850				850				870				935			
			G	800				800				800				850			
			M	276				276				300				300			
			K	276				276				300				300			
I-beam and spacing(mm)	a × b × t			C	S	T	U	C	S	T	U	C	S	T	U	C	S	T	U
	300 × 150 × 10			550	35	68	224	525	35	63	224	-	-	-	-	-	-	-	-
	450 × 175 × 13			560	30	93	228	540	30	93	228	630	32	77	248	630	32	77	248
	600 × 190 × 13			570	32	118	227	545	32	118	227	607	37	92	243	637	37	92	243
Min. radius of curvature(m)				Straight line															
Weight(approx.)(kg)				1300				2000				2800				3200			

* Note: 1. Dimensions of I-beam in sections are standard ones. Other I-beam also can be used by changing spacers.
2. If curved rail reaquies, this must be indicated in advance.

LOW HEAD TYPE CREEP HOIST WITH MOTOR DRIVEN TROLLEY

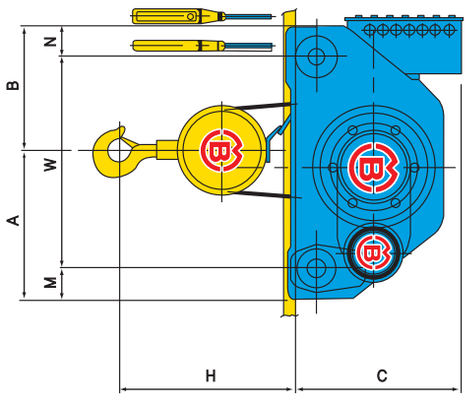


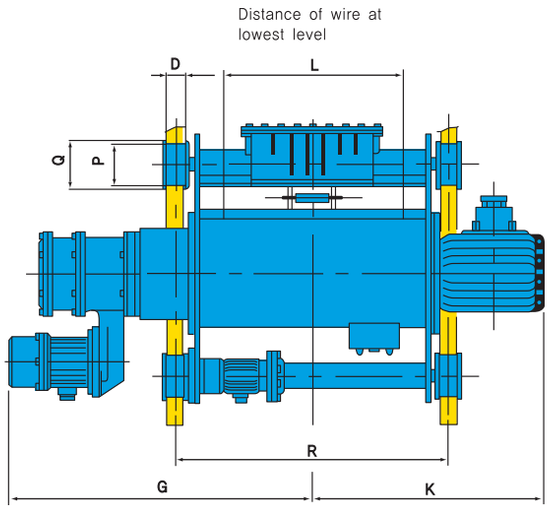


Capacity(ton)				1	2	2.8	3	5
Type	High-speed traversing			Z-CBL1-H6-MH	Z-CBL2-H6-MH	Z-CBL2.8-H6-MH	Z-CBL3-H6-MH	Z-CBL5-H6-MH
	Low-speed traversing			Z-CBL1-L6-ML	Z-CBL2-L6-ML	Z-CBL2.8-L6-ML	Z-CBL3-L6-ML	Z-CBL5-L6-ML
Hoist	Max. lift(m)			6	6	6	6	6
	High speed(m/min)		50Hz	10/1	8.4/0.84	7.5/0.75	7.5/0.75	4.7/0.47
	High/creep speed		60Hz	12/1.2	10/1	9/0.9	9/0.9	5.6/0.56
	Motor(Kw×P)High/creep speed			2.4/0.4×4	3.7/0.4×4	4.8/1.1×4	5.5/1.1×4	5.5/1×6
	Wire rope	Construction		6×19	6×19	6×37	6×37	6×37
		Dia (mm)x no. of ropes		6×4	8×4	9×4	9×4	11.2×4
	Brake			DC magnet disc brake				
Traversing	Traversing speed (m/min)	High speed	50Hz	20	20	20	20	20
			60Hz	24	24	24	24	24
		Low speed	50Hz	13	13	13	13	13
			60Hz	16	16	16	16	16
	Motor(Kw×P)	High spee		0.75×4	0.75×4	0.75×4	0.75×4	0.75×4
		Low speed		0.5×6	0.5×6	0.5×6	0.5×6	0.5×6
Dimensions(approx.)(mm)			H	600	670	685	685	850
			A	830	890	990	990	1090
			B	530	560	590	590	635
			C	465	490	575	575	600
			D	475	580	590	590	640
			G	255	260	260	260	275
			K	200	225	225	225	275
			E	330	375	375	375	425

I-beam and spacing(mm)	a×b×t	1 S	1 T	1 U	2 S	2 T	2 U	2.8 S	2.8 T	2.8 U	3 S	3 T	3 U	5 S	5 T	5 U
	200×100×7	38	46	144	33	46	172	-	-	-	-	-	-	-	-	-
	250×125×7.5	30	71	153	24	71	182	25	71	182	23	71	182	-	-	-
	300×150×10	28	96	155	22	96	182	23	96	182	23	96	182	37	86	224
	450×175×13	-	-	-	-	-	-	-	-	-	-	-	-	34	111	228
Min. radius of curvature(m)		1.5			1.8			1.8			1.8			2.3		
Weight(approx.)(kg)		375			540			645			645			875		

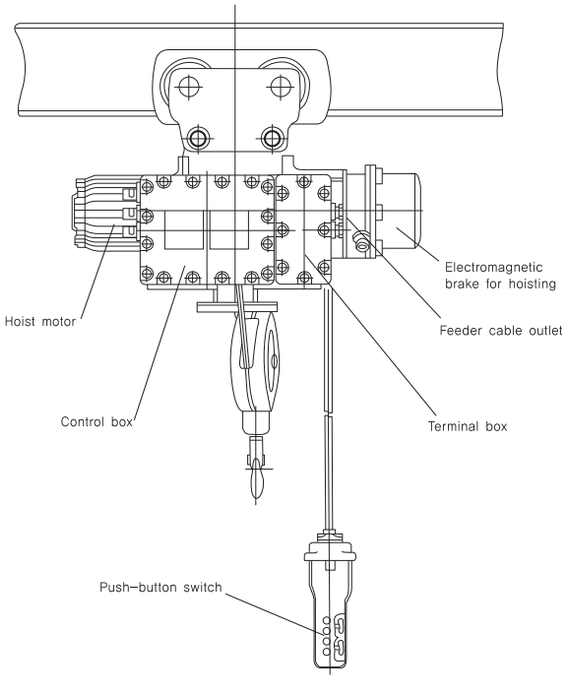
* Note: 1. Dimensions of I-beam in sections are standard ones. Other I-beam also can be used by changing spacers
2. In case of S shape curve, the minimum radius of curvature mst be larger than the above.

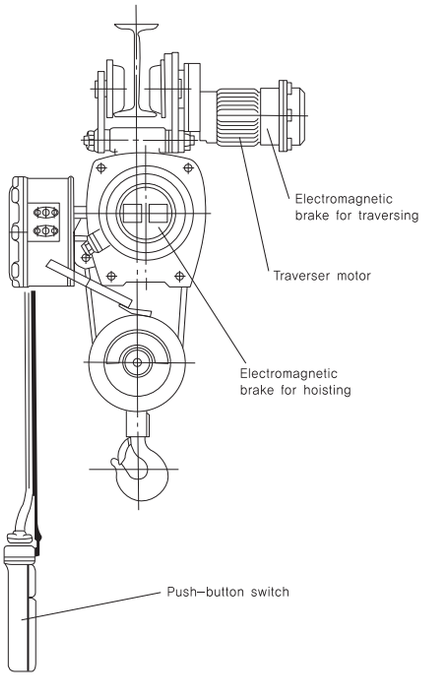




Capacity(ton)				2	2.8	3	5	7.5	10	15	20	30
Type	High-speed traversing			Z-CBD2-H12-MH	Z-CBD2.8-H12-MH	Z-CBD3-H12-MH	Z-CBD5-H12-MH	Z-CBD7.5-H12-MH	Z-CBD10-H12-MH	Z-CBD15-H12-MH	Z-CBD20-H12-MH	Z-CBD30-H12-MH
	Low-speed traversing			Z-CBD2-H12-ML	Z-CBD2.8-H12-ML	Z-CBD3-H12-ML	Z-CBD5-H12-ML	Z-CBD7.5-H12-ML	Z-CBD10-H12-ML	Z-CBD15-H12-ML	Z-CBD20-H12-ML	Z-CBD30-H12-ML
Hoist	Max. lift(m)			12	12	12	12	12	12	12	12	12
	High speed(m/min)		50Hz	8.4/0.84	7.5/0.75	7.5/0.75	4.7/0.47	3.1/0.31	3.7/0.37	3.7/0.37	3.5/0.35	2.3/0.23
	High/creep speed		60Hz	10/1	9/0.9	9/0.9	5.6/0.56	3.8/0.38	4.5/0.45	4.5/0.45	4.2/0.42	2.8/0.28
	Motor(Kw × P)High/creep speed			3.7/0.4×4	4.8/1.1×4	5.5/1.1×4	5.5/1×6	5.5/1×6	9/1.1×8	13/1.8×8	17/1.8×8	17/1.8×8
	Wire rope	Construction		6×19	6×37	6×37	6×37	6×37	6×37	6×37	6×37	6×37
		Dia (mm)x no. of ropes		8×4	9×4	9×4	12.5×4	14×4	16×4	20×4	22.4×4	22.4×6
	Brake			DC magnet disc brake								
Traversing	Traversing speed (m/min)	High speed	50 Hz	20	20	20	20	12.5	12.5	12.5	12.5	2.5
			60 Hz	24	24	24	24	15	15	15	15	15
		Low speed	50 Hz	13	13	13	13	8.3	8.3	8.3	8.3	8.3
			60 Hz	16	16	16	16	10	10	10	10	10
	Motor(Kw × P)		High speed	0.75×4	0.75×4	0.75×4	0.75×4	0.75×4	0.75×4	1.5×4	1.5×4	1.5×4(2units)
			Low speed	0.5×6	0.5×6	0.5×6	0.5×6	0.5×6	0.5×6	1×6	1×6	1×6(2units)
Dimensions(approx.)(mm)			H	415	420	420	510	730	775	995	1175	1480
			R	950	950	950	1150	1150	1150	1200	1300	1800
			A	465	465	465	510	545	565	625	670	940
			B	390	390	390	470	480	510	555	610	940
			C	700	700	700	800	750	825	860	900	925
			G	1055	1170	1170	1320	1320	1380	1515	1610	1870
			K	659	755	755	880	885	995	1055	1270	1530
			W	650	650	650	760	800	865	920	1000	1540
			S	45	45	45	42	42	42	30	30	55
			D	47	47	47	47	58	58	58	58	70
			L	680	690	690	890	850	850	870	935	1420
			M	115	115	115	125	140	120	130	140	180
			N	90	90	90	110	95	100	130	140	160
			P	140	140	140	165	165	165	180	220	250
			Q	170	170	170	190	190	190	210	250	280
Weight(approx.)(kg)				650	700	700	1000	1100	1450	2100	2650	4200
Rail				15kg/m	15kg/m	15kg/m	15kg/m	15kg/m	15kg/m	22kg/m	22kg/m	30kg/m

구성도 Scope of Application





Component Arrangement

Application(classified by ignition grade and explosion degree of explosive gases)

Explosion degree(d) / Ignition grade(G)	1 Gap above 0.6mm, Gap depth 25mm	2 Gap above 0.4mm and below 0.6mm, Gap depth 25mm	3 Gap 0.6mm or below, Gap depth 25mm
G1 Above 450℃ (320 deg)	Acetone. ammonium. carbon monoxide ethane, acetic acid, ethyl acetate, toluene, propane, benzene, methanol and methane	Coal gas	Water gas Hydrogen
G2 Above 300 and below 450℃ (200 deg)	Ethanol, isoamyl acetate, 1-butanol butane and acetic anhydride	Etylene and ethylene oxide	Acetylene
G3 Above 220 and below 300℃ (120 deg)	Gasoline and hexane		
G4 Above 135 and below 200℃ (70 deg)	Acetaldehyde and ethyl ether		
G5 Above 220 and below 135℃ (40 deg)			Carbon disulhde

* Note :

1. Temperature in ignition grade column shows flash point. Temperature in parentheses indicates upper limit for temperature rise of casing.

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Wire Rope Hoist & Wire Rope
Explosion-proof Hoist
Chain Hoist
Cranes
Components of Crane
Tongs & Coil Lifter
Conveyor
F/A System

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Korea

산업안전보건법에는 모든 CRANE에 대하여 설계, 성능 및 완성검사를 받도록 되어 있으며 또한 검사에 합격된 제품에 한하여 사용할 수 있습니다.
당사는 그동안의 축적된 기술을 바탕으로 하여 항상 수요자가 만족할 수 있는 제품을 생산, 공급하고 있습니다.
특히 HOIST는 전기종이 산업안전공단의 성능검사에 이미 합격하였으므로 CRANE 완성검사시 HOIST자체에 대한 검사는 면제되므로 검사기간이 단축됩니다.

English

Health Law for Industrial Safety regulates that all cranes receive inspection on designing, performance and inspection upon completion. Only the cranes that have passed the inspection are allowed to be used. Based on our technology we have been accumulating, our company produces and supplies products that our customers can always be satisfied.
Especially, in the case of HOIST, all the types have already passed the performance inspection of the Industrial Safety Corporation. At the time of completion inspection of CRANES, inspection to HOIST itself will be exempted. Therefore, the inspection period can be shortened.

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