Load Chain Maker Developed New Age Highest Grade Manual Chain Block C-21

MADE IN JAPAN

Load chain B39 VHC Strongest ever than before

C-21 is equipped with new developed load chain Grade +V (plus V) 105kgf/㎟.

Safety factor 5 times

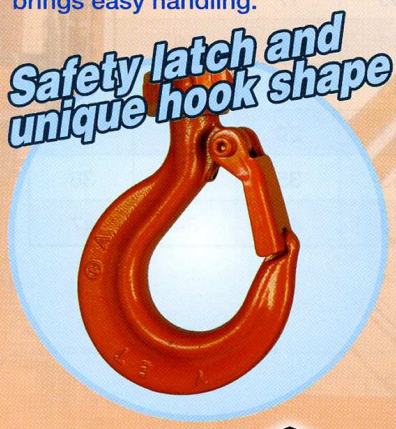
Load chain, hooks, braking parts have 5 times safety factor.
(0.5t~1t)

Model	Safety working load	Load chain Min.breaking load	Safety factor
C21-0.5	0.5t	3.0t	6.0
C21-1	1 t	5.2t	5.2
C21-1.5	1.5t	7.0t	4.7
C21-2	2 t	9.3t	4.7
C21-3	3 t	14.0t	4.7
C21-5	5 t	27.9t	5.6

※Test method of Min. breaking load is accordance with DIN5684.
※Before surface treatment
※This product must be used under safety working load.

Stronger hooks and safety latch

Tip-supporting safety latch brings easy handling.



Stronger case-hardened load chain B39 VHC brings light and durable chain block, saves resources, reduces CO_2

ELEPHANT

Specialized manufacturer of highest grade hoist chain

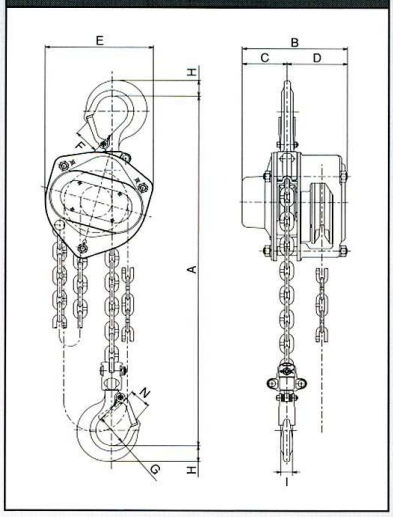
B39 VH, VHC ℋ39 DAT

"ELEPHANT" CHAIN HOIST

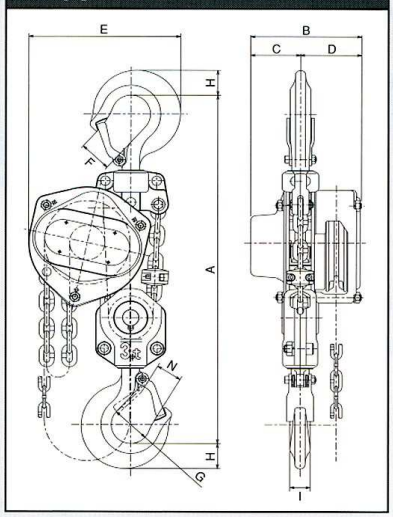
COUNTRY OF ORIGIN : JAPAN

C21 type

Type C21-0.5~C21-2



Type C21-3 · C21-5



- Drop forged, properly normalized hooks.
- Tough framing.
- Strong, least corrosive.
- Electrostatic powder painting.
- Safe, dry, long-lasting friction disc.
- Free from oil permeation.
- Very light and compact body, (9.2kg 1ton).
- Easy to carry.
- Elephant's original long-life chain.
- Best wear resistance on record for manual hoist.

■SPECIFICATIONS

Model	Safety working load (ton)	Standard lift (m)	Test load (ton)	Min.distance between hooks(A) (mm)	Hand effort to lift full working load (kgf)	Load chain		Hand chain	Net weight (kg)
						no. of falls	dia.×pitch (mm)	dia.×pitch (mm)	
C21-0.5	0.5	2.5	150%×safety working load	275	26	1	4.3×12	4.5×23.0	6.1
C21-1	1	2.5		310	32		5.6×17		9.2
C21-1.5	1.5	2.5		340	33		6.5×19		11.7
C21-2	2	3		384	33		7.5×21		16.7
C21-3	3	3		480	38	2	6.5×19		19.4
C21-5	5	3		555	34	3	7.5×21		33.9

■DIMENSIONS (mm)

Model	A	B	C	D	E	F	G	H	I	N
C21-0.5	275	131	54	77	121	30	36	17	13	24
C21-1	310	143	61	82	148	34	43	22	16	29
C21-1.5	340	152	68	84	168	36	43	26	21	29
C21-2	384	164	75	89	193	42	53	29	22	34
C21-3	480	152	68	84	209	44	53	35	28	36
C21-5	555	164	75	89	297	58	70	46	34	47

⚠ **WARNING : Elephant's original long-life chain must be used for this hoist.**

All specifications herein are subject to change without notice.

"ELEPHANT" LEVER HOIST

COUNTRY OF ORIGIN : JAPAN

Load Chain Maker Developed New Age Highest Grade Lever Hoist YA

MADE IN JAPAN

Strongest Load chain ever than before B39 VH

YA is equipped with new developed load chain Grade +V (plus V) 105kgf/㎟.

Safety factor 5 times

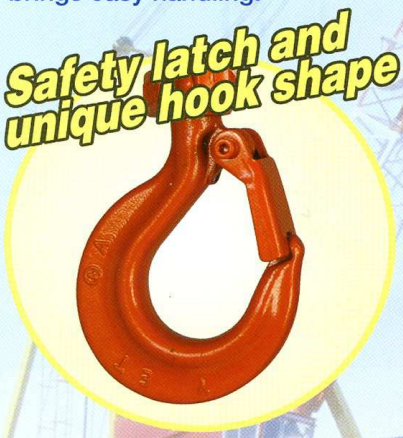
Load chain, hooks, braking parts have 5 times safety factor.
(0.8t～1.6t)

Model	Safety working load	Load chain Min.breaking load	Safety factor
YA-80	0.8t	5.2t	6.5
YA-100	1 t	5.2t	5.2
YA-160	1.6t	8.3t	5.2
YA-320	3.2t	13.4t	4.2
YA-630	6.3t	26.8t	4.3
YA-900	9 t	40.2t	4.5

※Test method of Min. breaking load is accordance with DIN5684.
※Before surface treatment
※This product must be used under safety working load.

Stronger hooks and safety latch

Tip-supporting safety latch brings easy handling.



Improved shape of lever

Round shape lever handle brings easy operation.

Patent and copyright registered.

Single action free spooling

When loading, automatically brakes.

ELEPHANT

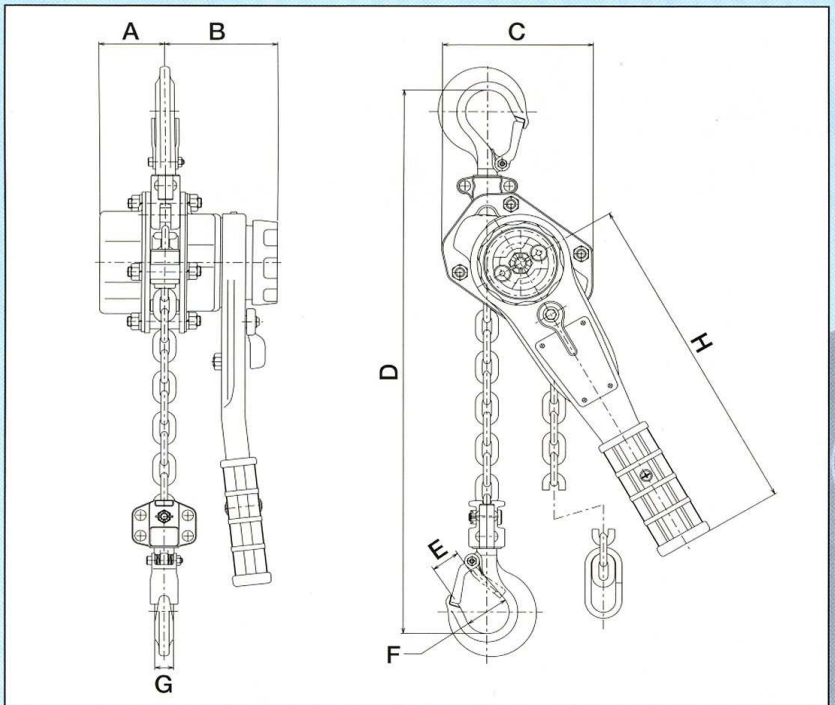
Specialized manufacturer of highest grade hoist chain

B39 VH, VHC ℋ39 DAT

"ELEPHANT" LEVER HOIST

COUNTRY OF ORIGIN : JAPAN

■Dimensions



Model	A	B	C	D	E	F	G	H
YA-80	53	91	122	290	23	36	15	268
YA-100	53	91	122	312	28	43	16	268
YA-160	63	99	136	352	29	43	21	310
YA-320	82.5	104	180	420	36	53	28	310
YA-630	82.5	104	235	564	47	70	34	310
YA-900	82.5	104	300	689	73	85	47.5	310

■Specifications

Model	Safety working load	Standard lift	Hand effort to lift full working load	Diameter of load chain	Net weight
YA-80	0.8 t	1.5m	30kgf	5.6mm	6.0kg
YA-100	1 t	1.5m	37kgf	5.6mm	6.2kg
YA-160	1.6 t	1.5m	30kgf	7.1mm	9.2kg
YA-320	3.2 t	1.5m	37kgf	9mm	15.5kg
YA-630	6.3 t	1.5m	38kgf	9mm×2	26.5kg
YA-900	9 t	1.5m	39kgf	9mm×3	42kg

All specifications herein are subject to change without notice.

ADJUSTABLE TROLLEY

To any beam width

Elephant adjustable trolleys are adjustable to any beam width, in three stages, simply by increasing or decreasing the number of the adjusting collars.

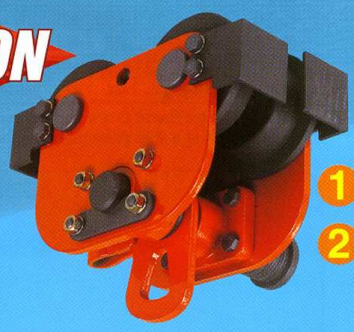
For both I-beam and H-beam

Wheels of the trolley fit both I-beam and H-beam.

High quality closed bearings

High quality closed bearings employed in the trolley provide smooth wheel traveling.

OPTION



1. With anti-drop plates
2. With finer adjustment collars instead of 4 collars

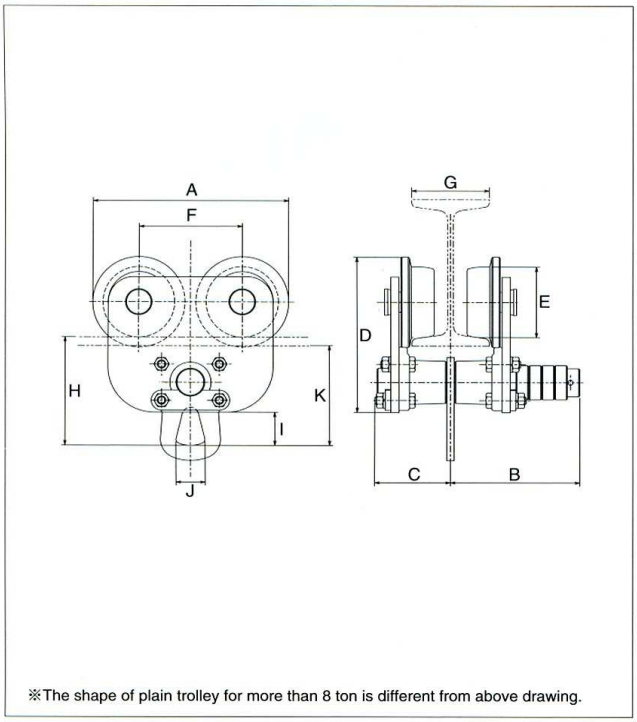
ELEPHANT CHAIN BLOCK CO.,LTD.

QUALITY SYSTEM ISO 9001 ELEPHANT CHAIN BLOCK
ISO9001
JQA-1547

"ELEPHANT" ADJUSTABLE TROLLEY

COUNTRY OF ORIGIN : JAPAN

ADJUSTABLE PLAIN TROLLEY



※The shape of plain trolley for more than 8 ton is different from above drawing.

SPECIFICATION

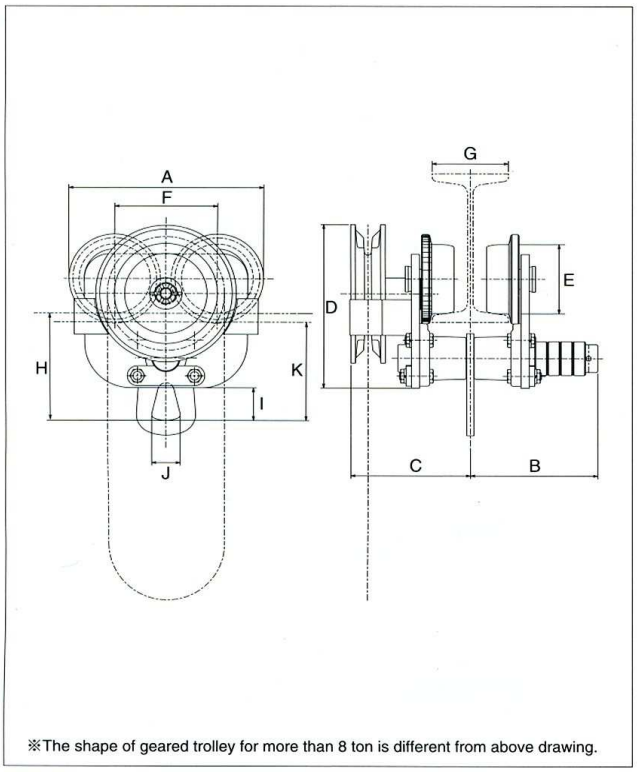
Model	Capacity (ton)	I-beam width			Min. radius of I-beam (mm)	Net weight (kg)
		No Collars (mm)	With 2 Collars (mm)	With 4 Collars (mm)		
P-0.5	0.5	75	100	125	900	8.0
P-1	1	75	100	125	1100	11.0
P-1.6	1.6	100	125	150	1200	19.0
P-2	2	100	125	150	1200	19.0
P-3.1	3.15	100	125	150	1700	27.0
P-5	5	125	150	175	2300	48.5
P-8	8	150	175	——	3000	98.0
P-10	10	150	175	——	3000	100.0
P-15	15	175	190	——	6000	295.0
P-20	20	175	190	——	6000	400.0

DIMENSIONS

Model	A	B	C	D	E	F	G	H	I	J	K
P-0.5	190.5	125.5	75.5	155	70	100.5	75·100·125	108	33	28	100
P-1	221	125.5	73.5	172	80	116	75·100·125	112	32	30	104
P-1.6	258.5	143	94	208	98	136	100·125·150	150	52	40	140
P-2	258.5	143	94	208	98	136	100·125·150	150	52	40	140
P-3.1	287.5	144	97	239	115	150	100·125·150	178	65	50	168
P-5	326.5	165.5	123.5	289	125	169	125·150·175	223	75	60	210
P-8	434	176.5	176.5	332	158	220	150·175	246	100	80	233
P-10	434	176.5	176.5	332	158	220	150·175	246	100	80	233
P-15	577	231	231	463	197	295	175·190	272	86	95	247
P-20	577	231	231	463	197	295	175·190	272	86	95	247

1) Dimensions for B and C are applied in case of that I-beam width is minimum.
2) Dimension K is a little different according to I-beam size.

ADJUSTABLE GEARED TROLLEY



※The shape of geared trolley for more than 8 ton is different from above drawing.

SPECIFICATION

Model	Capacity (ton)	I-beam width			Diameter × pitch of Hand Chain	Min. radius of I-beam (mm)	Net weight (kg)
		No Collars (mm)	With 2 Collars (mm)	With 4 Collars (mm)			
G-0.5	0.5	75	100	125	5×22.5	900	12.0
G-1	1	75	100	125	6×26.6	1100	16.0
G-1.6	1.6	100	125	150	6×26.6	1200	24.5
G-2	2	100	125	150	6×26.6	1200	25.0
G-3.1	3.15	100	125	150	6×26.6	1700	33.5
G-5	5	125	150	175	6×26.6	2300	55.8
G-8	8	150	175	——	5×23.6	3000	107.0
G-10	10	150	175	——	5×23.6	3000	117.0
G-15	15	175	190	——	5×23.6	6000	315.0
G-20	20	175	190	——	5×23.6	6000	420.0
G-30	30	190	——	——	5×23.6	12000	600.0

DIMENSIONS

Model	A	B	C	D	E	F	G	H	I	J	K
G-0.5	190.5	125.5	118.5	164	70	100.5	75·100·125	108	33	28	100
G-1	221	125.5	123.5	187	80	116	75·100·125	112	32	30	104
G-1.6	258.5	143	136	233	98	136	100·125·150	150	52	40	140
G-2	258.5	143	136	233	98	136	100·125·150	150	52	40	140
G-3.1	287.5	144	137	253	115	150	100·125·150	178	65	50	168
G-5	326.5	165.5	165.5	301	125	169	125·150·175	223	75	60	210
G-8	434	188	297.5	308	158	220	150·175	246	100	80	233
G-10	434	188	300.5	308	158	220	150·175	246	100	80	233
G-15	580	231	326	443	197	295	175·190	272	86	95	247
G-20	580	231	329	443	197	295	175·190	272	86	95	247
G-30	933.5	304	444	578	245	600	190	588	185	150	563

1) Dimensions for B and C are applied in case of that I-beam width is minimum.
2) Dimension K is a little different according to I-beam size.

ELECTRIC CHAIN BLOCK

3 Phase FA type SINGLE SPEED • FB type DOUBLE SPEED
1 Phase SA type SINGLE SPEED

No.1

"ELEPHANT" ELECTRIC CHAIN HOISTS

COUNTRY OF ORIGIN : JAPAN

OPTION:OVERLOAD LIMIT DEVICE
Model:FA Ⅲ FB Ⅲ SA Ⅲ

New type of overload limit device(Torcon) is the slip clutch equipped to motor.
In case of overloading, it actuates and stop the hoist lifting the weight. This mechanism protects the hoist from damage due to overload.

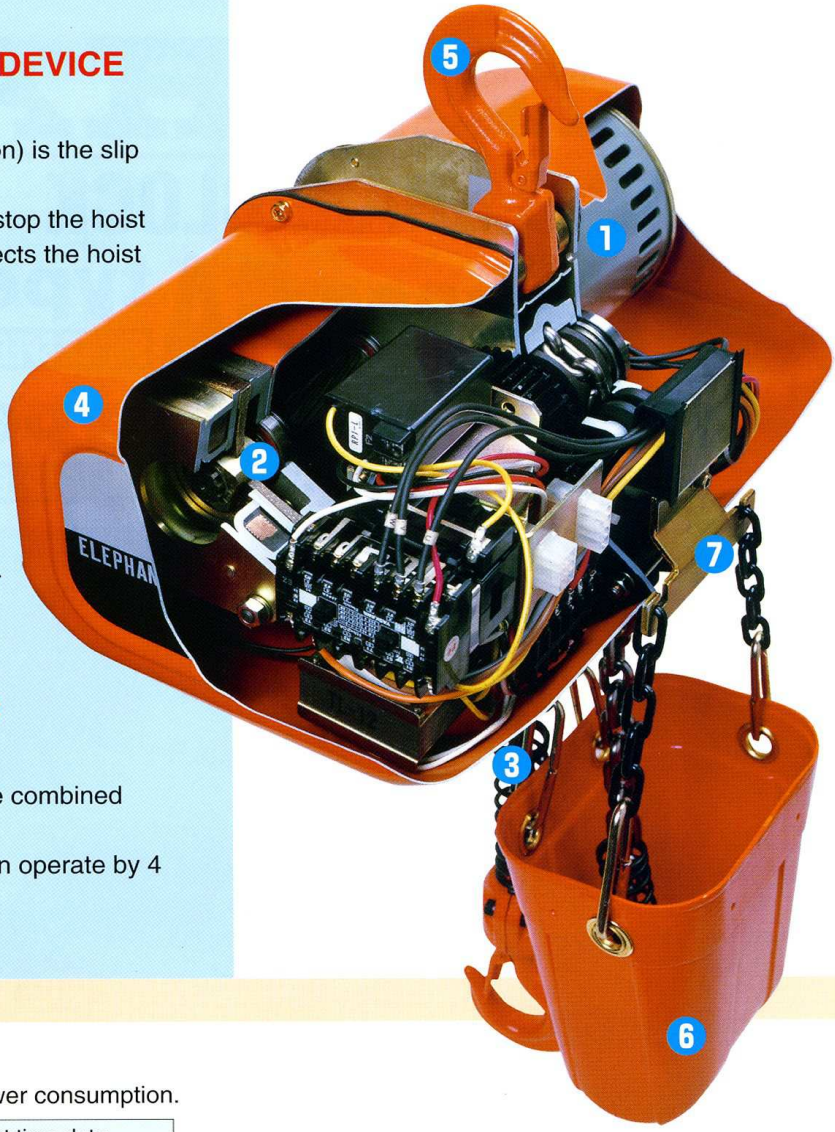
SA model

Features
1.Single phase class B insulation
Short time duty:20minutes

2.Thermal protector
Thermal protector senses the abnormal rise of temperature for motor and stops the motor automatically.
It prevents the motor from burning.

SINGLE PHASE ELECTRIC TROLLEY MODEL: MTS

Single phase model. This trolley can be combined with SA.
In case of combination with SA, you can operate by 4 push buttons.



FEATURES OF FA/FB/SA

1 Tough, heavy-duty motor.
Originally designed motor with low power consumption.

	Insulation class	Short time duty
FA	E	30 minutes
FB	E	30 minutes (high speed)
		15 minutes (low speed)
SA	B	30 minutes

2 Reliable electro-magnetic DC brake

3 Highly durable load chain of our own manufacture.

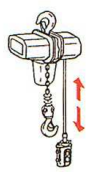
4 Totally enclosed steel plate construction
Wiring:simple plug-in type connection of wires.

5 Top and bottom hook with high safety and operability
Bottom hook with bearing swivels 360° smoothly.
In case of overloading, it gradually elongates without fracture.

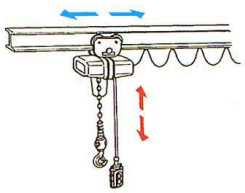
6 Chain bucket
Specially strengthened plastic bucket.

7 Limit switch
Standard model is equipped with limit switch.

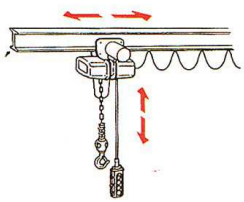
Combination of FA/FB/SA with monorail and crane



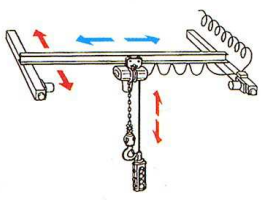
FA/FB/SA
+2 push buttons
+5m power cord



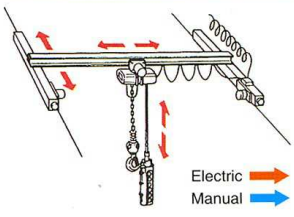
FA/FB/SA
+Geared/Plain trolley
+2 push buttons
+5m power cord



FA/FB/SA
+Electric trolley
+4 push buttons



FA/FB/SA
+Geared/Plain trolley
+4 push buttons
+ SBA (crane wiring box)

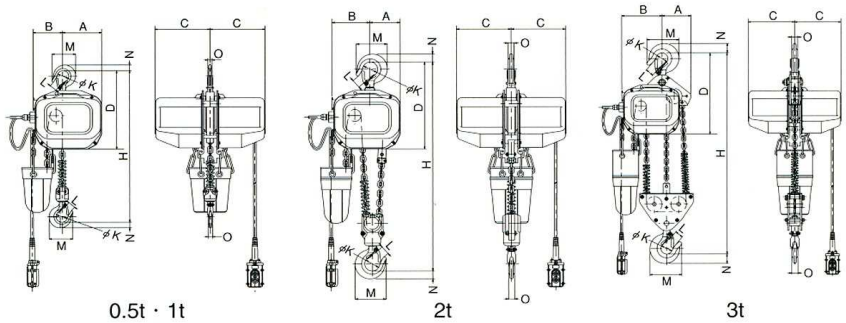


FA/FB
+Electric trolley
+6 push buttons
+SBA (crane wiring box)

"ELEPHANT" ELECTRIC CHAIN HOISTS

COUNTRY OF ORIGIN : JAPAN

FA/FB(3 phase) Hook suspension



0.5t · 1t　　2t　　3t

SPECIFICATION

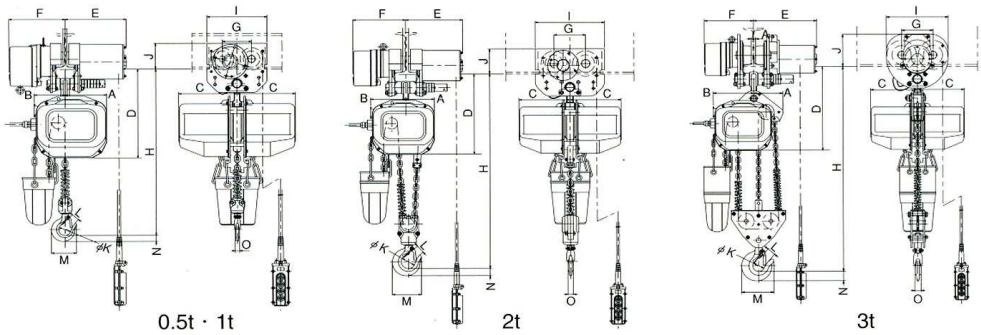
Model No.	W.L.L. (ton)	Test load (ton)	Standard lift(m)	Standard push button cord length(m)	load chain dia × number of falls	Lifting motor output(kw), (FB)High:Low speed	Lifting speed(m/min)(FB)High:Low speed 50Hz	60Hz	Minimum distance H(mm)	Net weight
FA-0.5	0.5	0.625	3	2.5	6.3×1	0.9	7.0	8.4	555	43(46)
FA-1	1	1.25	3	2.5	7.1×1	1.6	6.3	7.5	590	56(60)
FA-2	2	2.5	3	2.5	7.1×2	1.6	3.1	3.8	745	64(71)
FA-3	3	3.75	4	3.5	7.1×3	1.6	2.1	2.5	840	83(90)
FB-0.5	0.5	0.625	3	2.5	6.3×1	0.9:0.25	7.0:1.8	8.4:2.1	555	44(47)
FB-1	1	1.25	3	2.5	7.1×1	1.6:0.4	6.3:1.6	7.5:1.9	590	57(61)
FB-2	2	2.5	3	2.5	7.1×2	1.6:0.4	3.1:0.8	3.8:0.9	745	65(72)
FB-3	3	3.75	4	3.5	7.1×3	1.6:0.4	2.1:0.5	2.5:0.6	840	84(91)

1)The number bracketed in "Net weight" indicates 6m lift.
2)The length of power cord is 4 core-0.5m(standard).

DIMENSIONS

W.L.L(ton)	A	B	C	D	K	L	M	N	O
0.5t	161	124	224	316.5	43	26.5	84	19	14
1t	170	128	239	349	50	31	103	25	19
2t	133	165	239	386.5	65	38	135.5	35	26
3t	148	208	239	427	60	43	165	49	32

FAM/FBM(3 phase) Electric chain block with electric trolley



0.5t · 1t　　2t　　3t

SPECIFICATION

Model No.	W.L.L. (ton)	Standard lift(m)	Lifting speed(m/min) (FB)High:Low speed 50Hz	60Hz	Traversing motor output (kw)	Traversing speed(m/min) 50Hz/60Hz	50Hz/60Hz	Minimum distance H(mm)	Traversing I beam width	Trolley min radius(mm)	Net weight
FAM-0.5	0.5	3	7.0	8.4	0.4	20/24 (MAF type)	10/12 (MAS type)	695(600)	75·100	1100	74(77)
FAM-1	1	3	6.3	7.5				730(625)	125·150	1100	87(91)
FAM-2	2	3	3.1	3.8				910(750)	100·125	1500	104(111)
FAM-3	3	4	2.1	2.5				1020(860)	150	1500	147(154)
FBM-0.5	0.5	3	7.0:1.8	8.4:2.1	0.4	20/24 (MAF type)	10/12 (MAS type)	695(600)	75·100	1100	75(78)
FBM-1	1	3	6.3:1.6	7.5:1.9				730(625)	125·150	1100	88(92)
FBM-2	2	3	3.1:0.8	3.8:0.9				910(750)	100·125	1500	105(112)
FBM-3	3	4	2.1:0.5	2.5:0.6				1020(860)	150	1500	148(155)

1)The number bracketed in "Net weight" indicates 6m lift.　2)The length of power cord in standard is 4 core-0.5m in case of 4 push button, 7 core-0.5m in case of 6 push button.
3)When you need 6 push button for crane instead of 4 push button, "C" should be added to the end of model name.　4)Short time duty for MAF/MAS is 30 minutes.
5)Minimum distance H is in case of that "Traversing I beam width" is minimum.　6)The number bracketed in "Minimum distance H(mm)" means direct connection.

DIMENSIONS

W.L.L.(ton)	A	B	C	*D	*E	*F	G	I	*J	K	L	M	N	O	ϕ P(diameter of wheel)
0.5t	161	124	224	456.5	251(278)	218.5	120	246	114	43	26.5	84	19	14	68
1t	170	128	239	489	251(278)	218.5	120	246	114	50	31	103	25	19	68
2t	133	165	239	550	267(294)	247	148	324	137	65	38	135.5	35	26	83.5
3t	148	208	239	582	324(400)	252	160	316	181	60	43	165	49	32	98

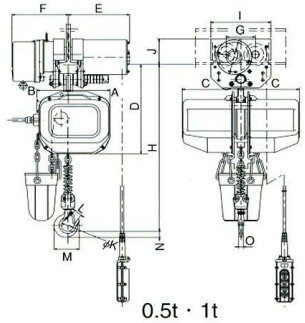
1)Dimension marked by "＊" is in case of that "Traversing I beam width" is minimum.

※The specification and dimensions may be changed without prior notice for improvement.

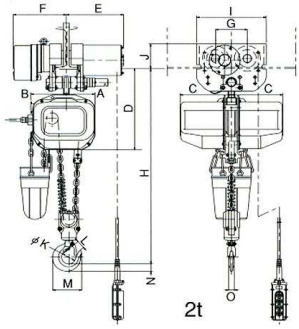
"ELEPHANT" ELECTRIC CHAIN HOISTS

COUNTRY OF ORIGIN : JAPAN

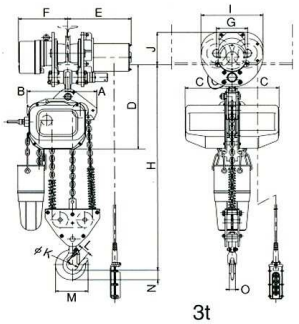
FAMB/FBMB(3 phase) Electric chain block with electric trolley



0.5t · 1t



2t



3t

SPECIFICATION

Model No.	W.L.L. (ton)	Standard lift(m)	Lifting speed(m/min) (FB)High:Low speed 50Hz	60Hz	Traversing motor output (kw)	Traversing speed(m/min) 50Hz	60Hz	Minimum distance H(mm)	Traversing I beam width	Trolley min radius(mm)	Net weight
FAMB-0.5	0.5	3	7.0	8.4	0.4	5:20 (MB type)	6:24 (MB type)	695(600)	75·100	1100	74(77)
FAMB-1	1	3	6.3	7.5				730(625)	125·150	1100	87(91)
FAMB-2	2	3	3.1	3.8				910(750)	100·125	1500	104(111)
FAMB-3	3	4	2.1	2.5				1020(860)	150	1500	147(154)
FBMB-0.5	0.5	3	7.0:1.8	8.4:2.1	0.4	5:20 (MB type)	6:24 (MB type)	695(600)	75·100	1100	75(78)
FBMB-1	1	3	6.3:1.6	7.5:1.9				730(625)	125·150	1100	88(92)
FBMB-2	2	3	3.1:0.8	3.8:0.9				910(750)	100·125	1500	105(112)
FBMB-3	3	4	2.1:0.5	2.5:0.6				1020(860)	150	1500	148(155)

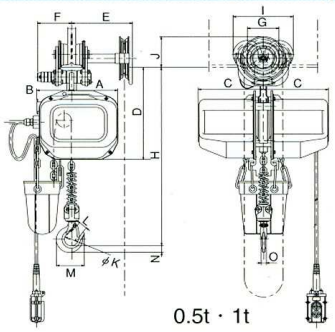
1)The number bracketed in "Net weight" indicates 6m lift. 2)The length of power cord in standard is 4 core-0.5m in case of 4 push button, 7 core-0.5m in case of 6 push button.
3)When you need 6 push button for crane instead of 4 push button, "C" should be added to the end of model name. 4)Short time duty for MB is 15 minutes.
5)Minimum distance H is in case of that "Traversing I beam width" is minimum. 6)The number bracketed in "Minimum distance H(mm)" means direct connection.

DIMENSIONS

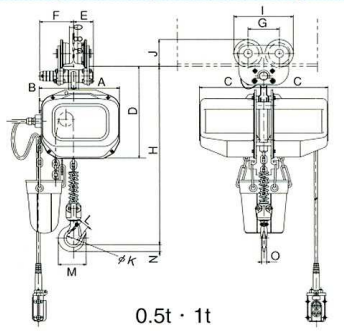
W.L.L(ton)	A	B	C	*D	*E	*F	G	I	*J	K	L	M	M	N	ϕ P(diameter of wheel)
0.5t	161	124	224	456.5	251(278)	218.5	120	246	114	43	26.5	84	19	14	68
1t	170	128	239	489	251(278)	218.5	120	246	114	50	31	103	25	19	68
2t	133	165	239	550	267(294)	247	148	324	137	65	38	135.5	35	26	83.5
3t	148	208	239	582	324(400)	252	160	316	181	60	43	165	49	32	98

1)Dimension marked by "*" is in case of that "Traversing I beam width" is minimum.

FAG, FAP/FBG, FBP type Electric chain block with geared/plain trolley



0.5t · 1t



0.5t · 1t

SPECIFICATION

Model No.	W.L.L. (ton)	Standard lift(m)	Lifting speed(m/min) (FB)High:Low speed 50Hz	60Hz	Geared trolley Trolley Traverse distance on pulling 1m hand chain(mm)	Hand chain effort [appox.](kgf)	Minimum distance H(mm)	Traversing I beam width	Trolley min radius(mm)	Net weight w/Geared trolley	w/Plain trolley
FAG-0.5,FAP-0.5	0.5	3	7.0	8.4	115	2	670(575)	75·100	900	57(60)	57(60)
FAG-1, FAP-1	1	3	6.3	7.5	94	3.5	705(600)	125	1100	75(90)	75(79)
FAG-2, FAP-2	2	3	3.1	3.8	81	5.5	895(740)	100·125	1200	91(98)	91(98)
FAG-3, FAP-3	3	4	2.1	2.5	84	8	1010(850)	150	1700	118(125)	118(125)
FBG-0.5,FBP-0.5	0.5	3	7.0:1.8	8.4:2.1	115	2	670(575)	75·100	900	58(61)	58(61)
FBG-1, FBP-1	1	3	6.3:1.6	7.5:1.9	94	3.5	705(600)	125	1100	78(60)	76(80)
FBG-2, FBP-2	2	3	3.1:0.8	3.8:0.9	81	5.5	895(740)	100·125	1200	92(99)	92(99)
FBG-3, FBP-3	3	4	2.1:0.5	2.5:0.6	84	8	1010(850)	150	1700	119(126)	119(126)

1)The number bracketed in "Net weight" indicates 6m lift. 2)The length of power cord in standard is 4 core-0.5m in case of 2 push button, 7 core-0.5m in case of 4 push button.
3)When you need 4 push button for crane instead of 2 push button, "C" should be added to the end of model name.
4)Minimum distance H is in case of that "Traversing I beam width" is minimum. 5)The number bracketed in "Minimum distance H(mm)" means direct connection.

DIMENSIONS

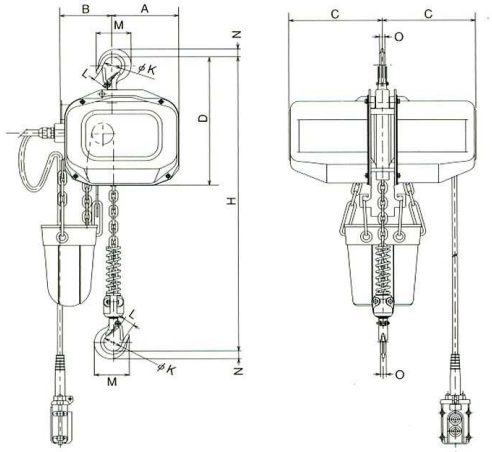
W.L.L (ton)	A	B	C	D	Geard/Plain trolley E	F	G	I	Geard/Plain trolley J	K	L	M	N	O	ϕ P (diameter of wheel)
0.5t	161	124	224	431.5	219/76	126	100.4	190.4	102/94	43	26.5	84	19	14	70
1t	170	128	239	464	219/76	126	116	221	120.5/106.5	50	31	103	25	19	80
2t	133	165	239	538.5	237/94	143	136	259	159.5/135	65	38	135.5	35	26	98
3t	148	208	239	597.5	236/96.5	144	150	288	164/150.5	60	43	165	49	32	115

※The specification and dimensions may be changed without prior notice for improvement.

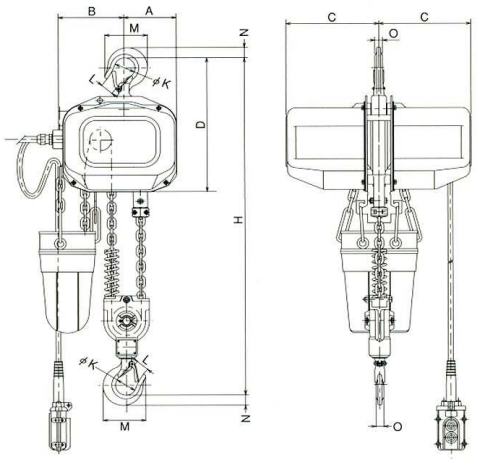
"ELEPHANT" ELECTRIC CHAIN HOISTS

COUNTRY OF ORIGIN : JAPAN

SA type(single speed) Hook suspension



250kg～0.5t



1t

SPECIFICATION

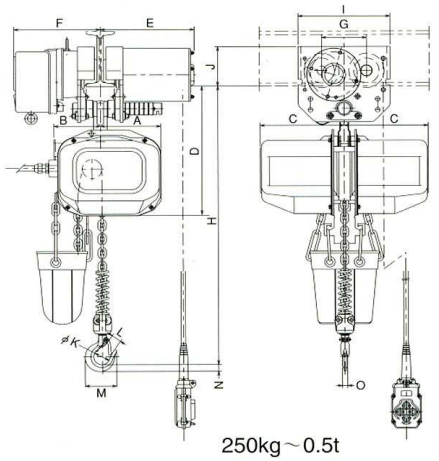
Model No.	W.L.L. (ton)	Test load (ton)	Standard lift(m)	Standard push button cord length(m)	load chain dia × number of falls	Lifting motor output(kw)	Lifting speed(m/min)		Minimum distance H(mm)	Net weight
							50Hz	60Hz		
SA-0.25	250kg	312.5kg	3	2.5	6.3×1	0.45	7.0	8.4	555	43(46)
SA-0.5	0.5	0.625	3	2.5	6.3×1	0.45	3.5	4.1	555	43(46)
SA-1	1	1.25	3	2.5	6.3×2	0.45	1.8	2.1	670	46(52)

1)The number bracketed in "Net weight" indicates 6m lift.
2)The length of power cord is 4 core-5m(standard).

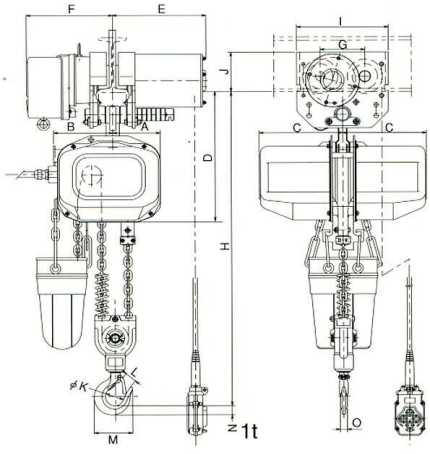
DIMENSIONS

W.L.L.(ton)	A	B	C	D	K	L	M	N	O
250kg	161	124	224	311	43	26.5	84	19	14
0.5t	161	124	224	311	43	26.5	84	19	14
1t	127	158	224	329.5	50	31	103	25	19

SAM type(single speed) Electric chain block with electric trolley



250kg～0.5t



1t

SPECIFICATION

Model No.	W.L.L. (ton)	Test load (ton)	Standard lift(m)	Traversing motor output (kw)	Lifting speed(m/min)		Traversing speed(m/min)	Minimum distance H(mm)	Traversing I beam width	Trolley min radius (mm)	Net weight
					50Hz	60Hz	50Hz/60Hz				
SAM-0.25	250kg	312.5kg	3	0.3	7.0	8.4	10/12 (MTS type)	695(600)	75 100 125 150	1100	74(77)
SAM-0.5	0.5	0.625	3		3.5	4.1		695(600)		1100	74(77)
SAM-1	1	1.25	3		1.8	2.1		810(705)		1100	77(83)

1)The number bracketed in "Net weight" indicates 6m lift.
2)The length of power cord in standard is 4 core-0.5m in case of 4 push button.
3)Short time duty for MTS is 15 minutes.
4)Minimum distance H is in case of that "Traversing I beam width" is minimum.
5)The number bracketed in "Minimum distance H(mm)" means direct connection.

DIMENSIONS

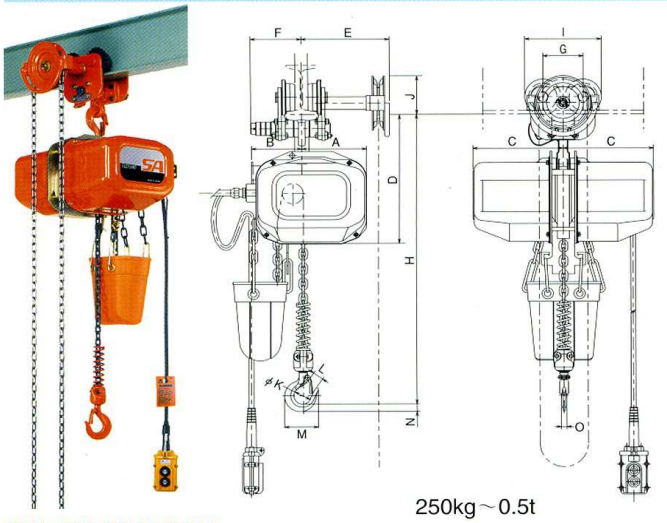
W.L.L.(ton)	A	B	C	D	E	F	G	I	J	K	L	M	N	O	ϕ P(diameter of wheel)
250kg	161	124	224	456.5	251	218.5	120	246	114	43	26.5	84	19	14	68
0.5t	161	124	224	456.5	251	218.5	120	246	114	43	26.5	84	19	14	68
1t	127	158	224	531	251	218.5	120	246	114	50	31	103	25	19	68

※The specification and dimensions may be changed without prior notice for improvement.

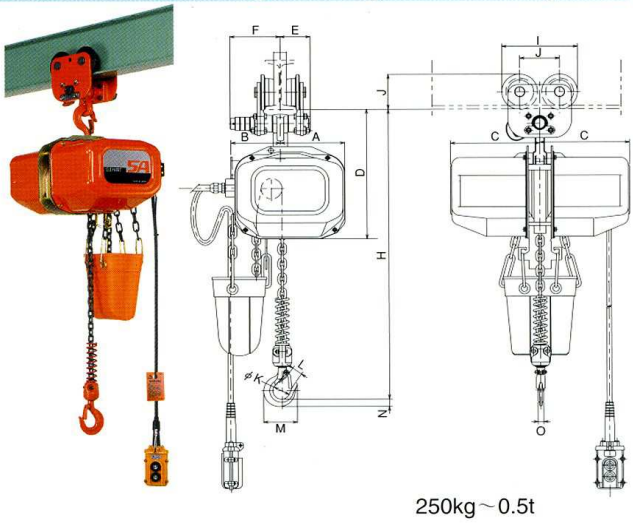
"ELEPHANT" ELECTRIC CHAIN HOISTS

COUNTRY OF ORIGIN : JAPAN

SAG, SAP type Electric chain block with geared/plain trolley



250kg～0.5t



250kg～0.5t

SPECIFICATION

Model No.	W.L.L. (ton)	Standard lift(m)	Lifting speed(m/min)		Geared trolley		Minimum distance H(mm)	Traversing I beam width	Trolley min radius(mm)	Net weight	
			50Hz	60Hz	Trolley Traverse distance on pulling 1m hand chain(mm)	Hand chain effort [approx.](kgf)				w/Geared trolley	w/Plain trolley
SAG-0.25,SAP-0.25	0.25	3	7.0	8.4	115	1	670(575)	75	900	57(60)	51(54)
SAG-0.5, SAP-0.5	0.5	3	3.5	4.1	115	2	670(575)	100	900	57(60)	51(54)
SAG-1, SAP-1	1	3	1.8	2.1	94	3.5	785(680)	125	1100	65(71)	59(65)

1)The number bracketed in "Net weight" indicates 6m lift. 2)The length of power cord in standard is 4 core-0.5m in case of 2 push button.
3)Minimum distance H is in case of that "Traversing I beam width" is minimum. 4)The number bracketed in "Minimum distance H(mm)" means direct connection.

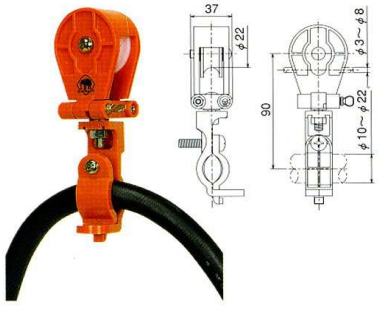
DIMENSIONS

W.L.L (ton)	A	B	C	D	Geared/Plain trolley E	F	G	I	Geared/Plain trolley J	K	L	M	N	O	ϕP (diameter of wheel)
250kg	161	124	224	431.5	219/76	126	100.4	190.4	102/94	43	26.5	84	19	14	70
0.5t	161	124	224	431.5	219/76	126	100.4	190.4	102/94	43	26.5	84	19	14	70
1t	127	158	224	445	219/76	126	116	221	120.5/106.5	50	31	103	25	19	80

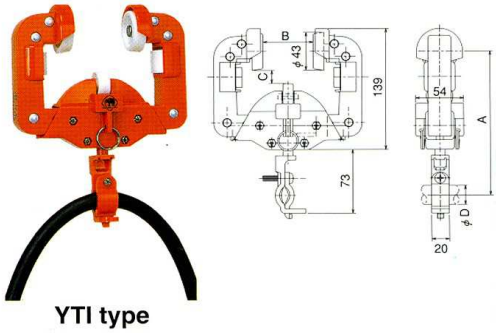
Emergency stop button

Option Available for all models

Cable hanger



YTM type



YTI type

DIMENSIONS (mm)

Model	I beam width	A	B	C	D
YTI-100	75	166	32	15	ϕ10～22
	100	166	57	15	ϕ10～22
YTI-150	125	166	82	25	ϕ10～22
	150	166	107	25	ϕ10～22

HEAVY DUTY ELECTRIC CHAIN BLOCK

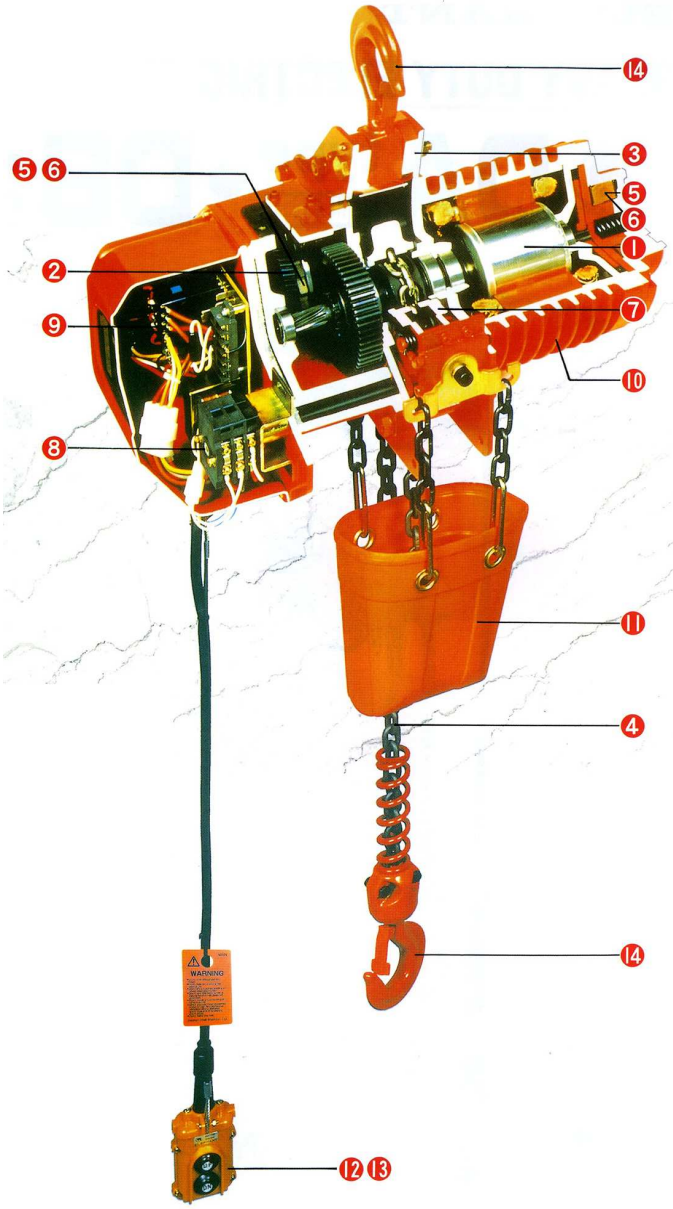
DA type SINGLE SPEED • DB type DOUBLE SPEED

No.2

QUALITY SYSTEM ISO 9001 ELEPHANT CHAIN BLOCK
ISO9001
JQA-1547

ELEPHANT CHAIN BLOCK CO.,LTD.

ELEPHANT ELECTRIC CHAIN BLOCK DA/DB TYPE IS DESIGNED BY UNIQUE IDEA AND TRUSTABLE TECHNIQUE. THIS TYPE IS USEFUL FOR VARIOUS OPERATIONS OF HEAVY LOAD.



FEATURES OF DA/DB TYPE

①High speed and highly efficient lifting motor
To meet any severe conditions of operating the chain block, DA/DB model employs the newly-developed lifting motor which allows it to operate continuously for a long period and with the frequent starts/hour duties. Its lifting speed is made as high as possible to ensure the enchanced working efficiency.

②Noiseless and dust protective body
Durable helical gears & oil bath type gear case make quiet operation.

③Solid steel side plate

④Highly durable load chain
The load chain is the surface-hardened one whose properties completely agree with the ISO standard Grade T, offering the satisfactory degrees of breaking strength, wear resistance and impact absorption. Chains of high corrosion resistance for special uses are available upon request.

⑤Mechanical brake and motor brake–safe double brake
The electric-magnetic brake is combined together with the mechanical brake to constitute a complete double brake system, and even the former alone has enough capacity to hold a static safe working load.

⑥DC brake and motor with low power consumption
D.C. solenoid is used for the electro-magnetic brake, and this promises lower electrical consumption throughout the operation of the electric chain block.

⑦Unique chain guide
Since this new chain block is designed in such a way that the chain guide rotation on the load sheave is transmitted to the electrical limit switch, operation stops automatically by the function of the limit switch, not only when the chain is wound up or down to its end, but also in situations like as the dust and foreign matters remain pressed and kept in the pockets of load sheave.

⑧Reliable double–action electrical limit switch
Electrical limit switch for this model acts with two steps.
At the first step, the limit switch breaks the operating circuit, and at the following step, it breaks the main power circuit.

⑨Negative phase contactor and highly efficient magnetic contactor with mechanical & electrical interlock

⑩Motor frame
Cooling fin of aluminum motor frame can reduce the rise of temperature.

⑪High durability Chain bucket

⑫Control switch voltage set at 24V

⑬Push-push type push button switch (DB type)

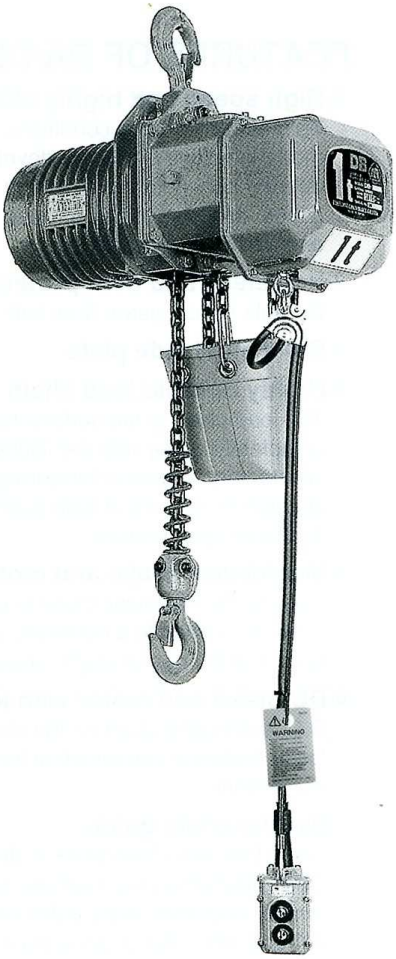
⑭Top hook and bottom hook with safety latch
While overload situation, hooks open gradually and not break suddenly. Further compact thrust bearing prevent twisting of load chain.

ELECTRIC CHAIN BLOCK

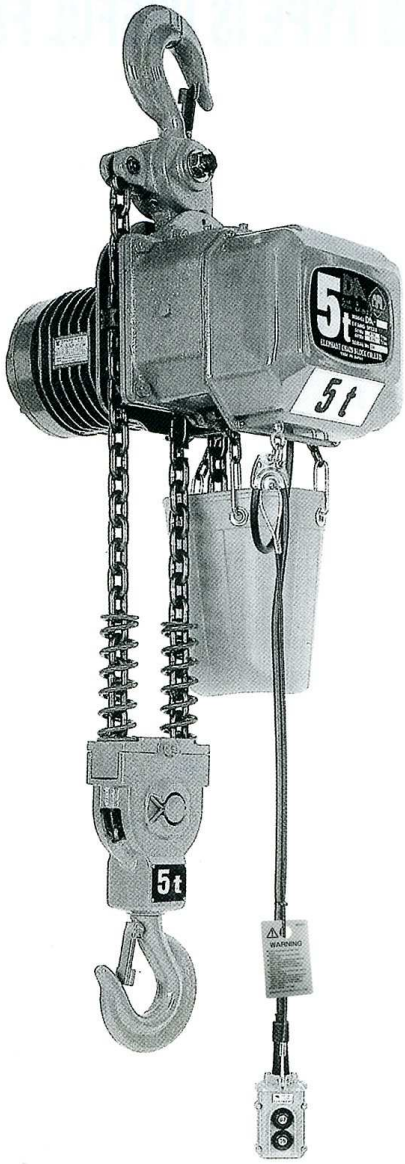
HOOK SUSPENSION TYPE

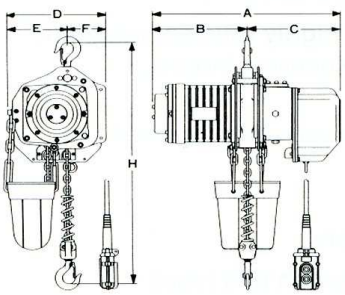
2 push button type (DA)

2 push button type (DB)

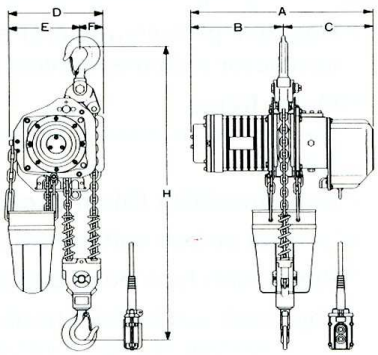


2 push button type (DA·DB)

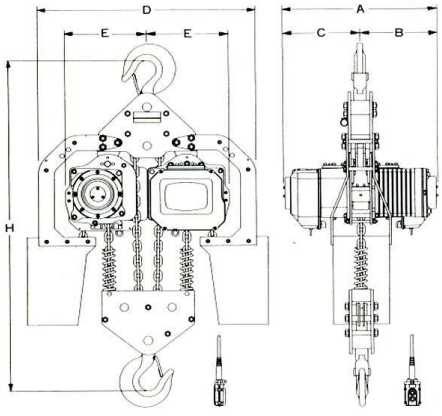




250kg~2.5ton



1w~5ton



10ton

DA type(single speed)/DB type(double speed)

SPECIFICATION

Model No.	W.L.L. (ton)	Test load (ton)	Standard lift(m)	Standard push button cord length(m)	Load chain dia × number of falls	Lifting motor output(kw) (DB)High:Low speed	Lifting speed(m/min) (DB)High : Low speed 50Hz	Lifting speed(m/min) (DB)High : Low speed 60Hz	Minimum distance H(mm)	Ampere (A) 〔220V〕	Net weight(kg)
DA-0.25	0.25	0.313	3 6	2.5 5.5	5.6×1	0.5	7.8	9.3	525	2.5	51(53)
DA-0.5	0.5	0.625	3 6	2.5 5.5	6.3×1	0.9	7.3	8.6	530	4.5	56(59)
DA-1W	1	1.25	3 6	2.5 5.5	6.3×2	0.9	3.6	4.3	705	4.5	63(69)
DA-1S	1	1.25	3 6	2.5 5.5	7.1×1	1.7	6.8	8.2	585	8.7	72(76)
DA-1.5	1.5	1.88	3 6	2.5 5.5	9.5×1	3.4	8.7	10.3	735	15.3	120(127)
DA-2W	2	2.5	3 6	2.5 5.5	7.1×2	1.7	3.4	4.1	790	8.7	84(91)
DA-2S	2	2.5	3 6	2.5 5.5	11.2×1	3.4	6.9	8.1	735	15.3	124(133)
DA-2.5	2.5	3.13	4	3.5	11.2×1	3.4	5.5	6.5	735	15.3	128
DA-3	3	3.75	4	3.5	9.5×2	3.4	4.35	5.15	940	15.3	145
DA-5	5	6.25	4	3.5	11.2×2	3.4	2.75	3.25	1045	15.3	163
DA-10	10	12.5	4	3.5	11.2×4	3.4×2	2.7	3.2	1390	15.3	396
DB-0.25	0.25	0.313	3 6	2.5 5.5	5.6×1	0.5:0.17	7.8:2.6	9.3:3.1	525	2.6	56(59)
DB-0.5	0.5	0.625	3 6	2.5 5.5	6.3×1	0.9:0.3	7.3:2.4	8.6:2.8	530	4.7	62(66)
DB-1W	1	1.25	3 6	2.5 5.5	6.3×2	0.9:0.3	3.6:1.2	4.3:1.4	705	4.7	69(76)
DB-1S	1	1.25	3 6	2.5 5.5	7.1×1	1.7:0.57	6.8:2.2	8.2:2.7	585	9.2	79(84)
DB-1.5	1.5	1.88	3 6	2.5 5.5	9.5×1	3.4:1.14	8.7:2.9	10.3:3.4	735	16.0	136(144)
DB-2W	2	2.5	3 6	2.5 5.5	7.1×2	1.7:0.57	3.4:1.1	4.1:1.3	790	9.2	92(100)
DB-2S	2	2.5	3 6	2.5 5.5	11.2×1	3.4:1.14	6.9:2.3	8.1:2.7	735	16.0	141(150)
DB-2.5	2.5	3.13	3 6	2.5 5.5	11.2×1	3.4:1.14	5.5:1.8	6.5:2.1	735	16.0	144
DB-3	3	3.75	4	3.5	9.5×2	3.4:1.14	4.35:1.4	5.15:1.7	940	16.0	162
DB-5	5	6.25	4	3.5	11.2×2	3.4:1.14	2.75:0.9	3.25:1.0	1045	16.0	179

1) The number bracketed in "Net weight" indicates 6m lift. 2) The length of power cord is 4core-5m (standard).
3) Current ampere depends on the voltage and length of power cord.

DIMENSIONS

MODEL	A	B	C	D	E	F
DA-0.25/DB-0.25	528/563	267/276	261/287	276	168	108
DA-0.5/DB-0.5	528/590	267/303	261/287	276	168	108
DA-1W/DB-1W	528/590	267/303	261/287	276	208	68
DA-1S/DB-1S	564/619	290/321	274/298	301	174	127
DA-1.5/DB-1.5	655/717	342/372	313/345	372	198	174
DA-2W/DB-2W	564/619	290/321	274/298	301	219	82
DA-2S/DB-2S	655/717	342/372	313/345	372	198	174
DA-2.5/DB-2.5	655/717	342/372	313/345	372	198	174
DA-3/DB-3	655/717	342/372	313/345	372	258	114
DA-5/DB-5	655/717	342/372	313/345	375	273	102
DA-10	684	342	342	960	373	——

1) The dimensions D,E depends on the lift. 2) For top and bottom hooks, see page 17.

ELECTRIC CHAIN BLOCK WITH ELECTRIC TROLLEY

4 push button type (DA)
For monorail

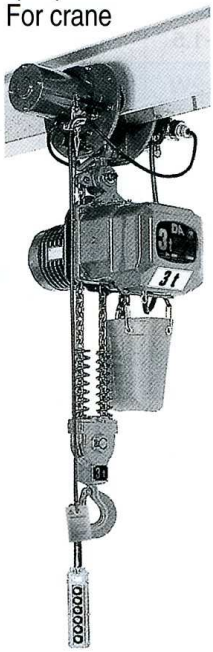
6 push button type
(DA)
For crane

Option:Wiring box for saddle

- Magnetic contactor and transformer are included.
- Operating voltage is 24V
- Power cord and operating cord are not included

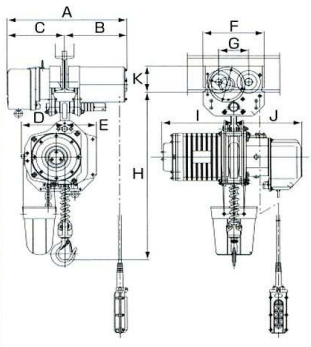
4 push button type (DA)
For monorail

6 push button type
(DA)
For crane

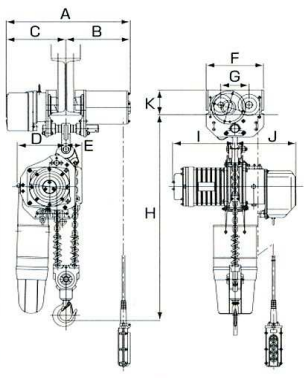


Option:Wiring box for saddle

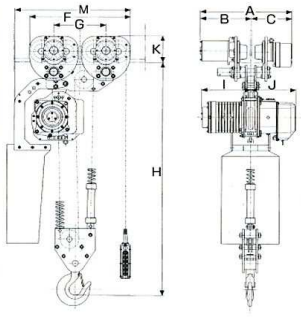
- Magnetic contactor and transformer are included.
- Operating voltage is 24V
- Power cord and operating cord are not included



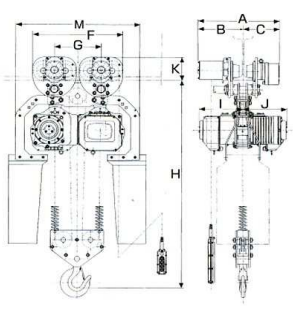
250kg～2.5ton
The drawing of electric trolley 2.5t is different from above drawing.



1w～5ton
The drawing of electric trolley 3t, 5t is different from above drawing.



7.5ton



10ton

DAM type/DAMB type

SPECIFICATION

Model No.	W.L.L. (ton)	Test load (ton)	Standard lift(m)	Standard push button cord length(m)	Lifting motor output(kw)	Traversing motor output (kw)	Lifting speed(m/min) 50Hz	Lifting speed(m/min) 60Hz	Traversing speed (m/min) 50Hz	Traversing speed (m/min) 60Hz	Minimum distance H(mm)	Traversing I beam width	Trolley minimum radius(mm)	Net weight(kg)
DAM-0.25	0.25	0.313	3	2.5	0.5	0.4	7.8	9.3	20 (MAF) or 10 (MAS)	24 (MAF) or 12 (MAS)	570	75 • 100 • 125 • 150	1100 (800)	73(77)
			6	5.5										
DAM-0.5	0.5	0.625	3	2.5	0.9		7.3	8.6			575			75(79)
			6	5.5										
DAM-1W	1	1.25	3	2.5	0.9		3.6	4.3			740			92(102)
			6	5.5										
DAM-1S	1	1.25	3	2.5	1.7		6.8	8.2			620			101(106)
			6	5.5										
DAM-1.5	1.5	1.88	3	2.5	3.4		8.7	10.3			735	100* • 125 • 150	1500 (800)	192(200)
			6	5.5										
DAM-2W	2	2.5	3	2.5	1.7		3.4	4.1			795			124(133)
			6	5.5										
DAM-2S	2	2.5	3	2.5	3.4		6.9	8.1			735			197(206)
			6	5.5										
DAM-2.5	2.5	3.13	4	3.5	3.4	0.75	5.5	6.5			745		1500 (1000)	192
DAM-3	3	3.75	4	3.5	3.4		4.35	5.15			955			209
DAM-5	5	6.25	4	3.5	3.4		2.75	3.25			1060	125 • 150 • 175	2000 (1000)	246
DAM-7.5	7.5	9.38	4	3.5	3.4	0.75×2	1.8	2.1			1205		∞	480
DAM-10	10	12.5	4	3.5	3.4×2		2.7	3.2			1185		∞	619
DAMB-0.25	0.25	0.313	3	2.5	0.5	0.1:0.4	7.8	9.3	5:20	6:24	570	75 • 100 • 125 • 150	1100 (800)	73(77)
			6	5.5										
DAMB-0.5	0.5	0.625	3	2.5	0.9		7.3	8.6			575			75(79)
			6	5.5										
DAMB-1W	1	1.25	3	2.5	0.9		3.6	4.3			740			92(102)
			6	5.5										
DAMB-1S	1	1.25	3	2.5	1.7		6.8	8.2			620			101(106)
			6	5.5										
DAMB-1.5	1.5	1.88	3	2.5	3.4		8.7	10.3			735	100* • 125 • 150	1500 (800)	192(200)
			6	5.5										
DAMB-2W	2	2.5	3	2.5	1.7		3.4	4.1			795			124(133)
			6	5.5										
DAMB-2S	2	2.5	3	2.5	3.4		6.9	8.1			735			197(206)
			6	5.5										
DAMB-2.5	2.5	3.13	4	3.5	3.4	0.19:0.75	5.5	6.5			745		1500 (1000)	192
DAMB-3	3	3.75	4	3.5	3.4		4.35	5.15			955			209
DAMB-5	5	6.25	4	3.5	3.4		2.75	3.25			1060	125 • 150 • 175	2000 (1000)	246
DAMB-7.5	7.5	9.38	4	3.5	3.4	0.19:0.75 ×2	1.8	2.1			1205		∞	480
DAMB-10	10	12.5	4	3.5	3.4×2		2.7	3.2			1185		∞	619

1) The number bracketed in "Net weight" indicates 6m lift.
2) The length of power cord in standard is 4 core-0.5m in case of 4 push button, 7 core-0.5m in case of 6 push button.
3) When you need 6 push button for crane instead of 4 push button, "C" should be added to the end of model name.
4) We can supply the special electric trolley of which "Trolley mini radius" is the number bracketed off.
*mark—When you install more than 2.5 ton chain block to I beam width 100mm, please note that the strength of the rail may not be enough depends on the span.

DIMENSIONS

MODEL	A	B	C	γ	D	E	F	G	I	J	K	M
DAM/DAMB-0.25	482+2β	251+β	231+β	75	168	108	246	120	267	261	108	——
DAM/DAMB-0.5	482+2β	251+β	231+β	75	168	108	246	120	267	261	108	——
DAM/DAMB-1W	482+2β	251+β	231+β	75	208	68	246	120	267	261	108	——
DAM/DAMB-1S	482+2β	251+β	231+β	75	174	127	246	120	290	274	108	——
DAM/DAMB-1.5	516+2β	268+β	248+β	100	198	174	324	148	342	313	122	——
DAM/DAMB-2W	516+2β	268+β	248+β	100	219	82	324	148	290	274	122	——
DAM/DAMB-2S	516+2β	268+β	248+β	100	198	174	324	148	342	313	122	——
DAM/DAMB-2.5	574+2β	323+β	251+β	100	198	174	316	160	342	313	167	——
DAM/DAMB-3	574+2β	323+β	251+β	100	258	114	316	160	342	313	167	——
DAM/DAMB-5	612+2β	342+β	270+β	125	273	102	336	170	342	313	172	——
DAM/DAMB-10	612+2β	342+β	270+β	125	——	——	696	360	342	313	172	798

1) The dimensions D,E depends on the lift. 2) For the dimensions β and γ, see page 16.
3) The dimension K is in case of that "Traversing I beam width" is minimum.