

BRIMA GERENO TOKU KHC NOVA ALR
AKITA KONDOTEC THIELE BST SKS

TABLE OF CONTENTS

BRIMA	3	KONDOTEC	
Electric Chain Hoist	4	Hand Winch	62
Electric Wire Rope Hoist	14	Webbing Sling	63
End Carriages	20	Magnetic Lifter	63
Crane Motor	22	Chain Binder	63
Portable Gantry Crane	24	Wire Rope	64
Crane Wheel Block	25		
Electric Chain Hoist (Ex-proof)	26	THIELE	65
GERENO	27	Grade 100 Chain	66
Electric Chain Hoist	28	Grade 100 Components	67
		Lifting Point	68
TOKU	31		
Air Chain Hoist	32	BST	69
		Grade 80 Chain	70
KHC	37	Grade 80 Components	70
Air Chain Hoist	38	Wire Rope Clip	73
Air Balancer	39	Turnbuckle	73
Light Track System (Steel)	40	Snatch Block	73
Light Track System (Aluminium)	43	Shackle	74
NOVA	45	SKS	75
Light Track System (Aluminium)	46	Conveyor System	76
		Conveyor Parts	76
ALR	49		
Manual Chain Hoist	50	OTHERS	81
Manual Trolley	52	Grade 100 Components	82
		Stainless Components	83
AKITA	53	Lifting Point	84
Electric Chain Hoist	54	Cable Trolley	86
Manual Chain Hoist	55	Push Button Switch	88
Lever Chain Hoist	56	Power Rail	89
Manual Trolley	57	Crane Accessory	91
Wire Rope Pulling Hoist	58	Load Binder	92
Beam Clamp	58	Spring Balancer	92
Plate Clamp	58	Hand Winch	92
		Hand Puller	92
KONDOTEC	59	Snatch Block	93
Manual Chain Hoist	60	Drum Lifter	93
Lever Chain Hoist	60	Plate Clamp	93
Manual Trolley	61	Other Accessories	94
Wire Rope Pulling Hoist	61		
Pulley Block	61	PORTFOLIO	95



- Electric Chain Hoist
- Electric Wire Rope Hoist
- End Carriages
- Crane Motor
- Portable Gantry Crane
- Crane Wheel Block
- Electric Chain Hoist (Ex-proof)

Scan to download
E-Catalog





Higher Performance & Faster

BMS electric chain hoist is manufactured with high performance, high safety, and high reliability design concept to increase a productivity and to perform the work to achieve the highest efficiency.

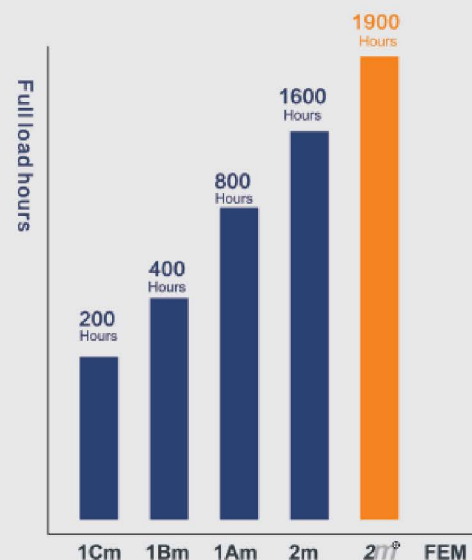
BMS 2-speed electric chain hoist is designed for more various hoisting applications. Fast speed makes the work more efficient. Slow speed makes the work more accurate.

Longer service life

BMS electric chain hoist's service life is extended by approx. 20% in comparison with the conventional 2m classification for FEM rating.

It results in significantly prolonged time between service intervals and general overhauls.

This extra operating life is only offered by BMS european electric chain hoist.



Maintenance: Fast and Simple

All BMS electric chain hoist's main drive components, such as gear box, brake and clutch, are made by a special process to improve them more durable. For example, BMS series brake is maintenance-free for 5 years. BRIMA hoist still has a long working life with high quality even with more frequent hoisting.

Because BMS european electric chain hoist is designed with ease of service concept, it can be maintained quicker and simpler.

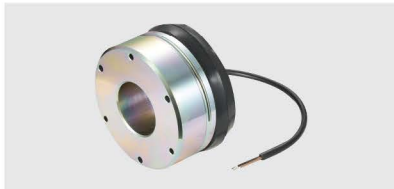
The chain drive is designed as a compact unit which is slid into place, so it can be replaced in a minimum of time without the need to disassemble motor or gearbox parts. Long downtime as a result of maintenance work is not required anymore.

Electric Chain Hoist BMS Series



Motor :

The BMS hoist's motor has passed all relevant authority quality certification. The motor has very high-performance but compact size and light weight. The duty factor is up to 60% (40/20). The insulation class is class F. The speed of motor can reach up to 3,000 RPM.



Brake :

The lifting-hoist electromagnetic brake located at the end of transmission gear shaft is maintenance-free design, so its clearance is adjusted automatically. Its material does not contain Asbestos. The brake is completely enclosed and has high protection level to meet the requirements in harsh environment. Also, it is tested for 1 million times. The braking torque is 2 times of rated to motor torque.



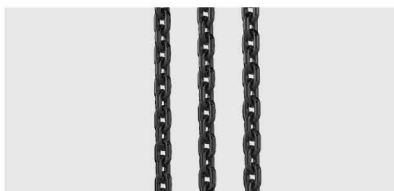
Slipping clutch :

The slipping clutch, integrated on the transmission gear shaft, protects the overload lifting. The maintenance-free design can keep the torque up to 1.52 times of safe load, and the overload torque can be adjusted.



Reduction gear :

The reduction gear, helical gear design and lubricated in oil bath, makes high-transmission efficiency and low noise. The gears put through heat treatment process after grinding, and its teeth are also surface hardened. Its accuracy is grade 7 or higher. So, it has ultra-long life, ultra-low noise, and efficient transmission.



Load chain :

The load chain is produced through an integrated manufacturing system under strict quality control. The superstrong and wear-resistant load chain is made from special alloy steel achieve a high level of work safety.



Bottom hook :

The bottom hook is designed to be comfortable to hold and hang the load. The hook is forged and has excellent strength. It can be rotated 360 degrees. The specially designed safety catch ensures a safety operation.



Housing :

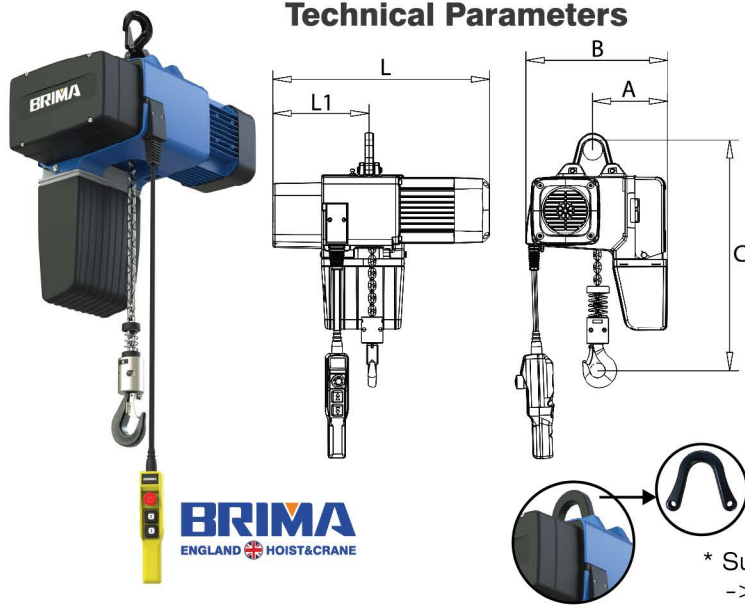
The body is made by high-strength alloy die-casting integrated molding to resist corrosion. The motor shell is made by plastic to reduce the weight and make heat dissipation better. Good sealing housing protects the hoist from dust and water - IP55.



Pendant control :

The pendant's control system uses low voltage and comes with an emergency stop to be safe for users. The weight is concentrated on wire rope which greatly improves cable life. Good sealing of pendant control protects dust and water - IP65.

Electric Chain Hoist - Model BMS-M



Main Characteristics

- Motor insulation : Class F
- Duty factor : 60%ED (40/20)
- Duty classification : FEM 2M / ISO M5
- Brake type : DC electromagnetic brake
- Overload protection : Slipping clutch
- Limit switch : Up and Down directions
- Electrical protection : Phase protection
- Motor protection : Temp. switch (2 ton or more)
- Lubrication : Liquid grease / Oil bath
- Hoist protection grade : IP55
- Pendant control : 2 points with emergency
- Control voltage : 24VAC
- Power voltage : 3P 380VAC 50Hz (Standard)
3P 220VAC 50Hz (Option)
1P 220VAC 50Hz (Option)

* Suspension type of top hook is available as an optional.
-> Recommended using with KH rail (or KBK rail)

Model	Rated Load (kg)	Lifting Speed (m/min)	Lifting Motor Output (kW)	Load Chain		Dimension (mm)					Net Weight (Lift 3 m) (kg)
				Dia. (mm)	No. of falls	L	L1	A	B	C	
BMS0.125-01M	125	2-Speed : 8 / 2	0.4 / 0.1	5.0	1	455	209	160	288	408	24
BMS0.25-01M	250	2-Speed : 8 / 2	0.4 / 0.1	5.0	1	455	209	160	288	408	24
		2-Speed : 12 / 3	0.8 / 0.2	5.0	1	490	218	170	320	420	31
		2-Speed : 16 / 4	1.8 / 0.45	7.1	1	564	254	182	343	516	56
BMS0.5-02M	500	2-Speed : 4 / 1	0.4 / 0.1	5.0	2	455	209	160	288	491	35
BMS0.5-01M	500	2-Speed : 8 / 2	0.8 / 0.2	5.0	1	490	218	170	320	420	31
		2-Speed : 12 / 3	1.8 / 0.45	7.1	1	564	254	182	343	516	56
		2-Speed : 16 / 4	2.3 / 0.6	7.1	1	641	254	182	343	516	68
		1-Speed : 8 (INV.)	0.8	5.0	1	490	218	170	320	420	31
BMS01-02M	1,000	2-Speed : 4 / 1	0.8 / 0.2	5.0	2	490	218	170	320	503	35
BMS01-01M	1,000	2-Speed : 8 / 2	1.8 / 0.45	7.1	1	564	254	182	343	516	56
		2-Speed : 12 / 3	2.3 / 0.6	7.1	1	641	254	182	343	516	68
		1-Speed : 8 (INV.)	1.8	7.1	1	564	254	182	343	516	56
BMS02-02M	2,000	2-Speed : 4 / 1	1.8 / 0.45	7.1	2	564	289	182	343	615	65
BMS02-01M	2,000	2-Speed : 8 / 2	3.6 / 0.9	10.0	1	741	361	268	503	609	126
		1-Speed : 8 (INV.)	3.6	10.0	1	741	361	268	503	609	126
BMS03-02M	3,000	2-Speed : 4 / 1	3.6 / 0.9	10.0	2	741	361	268	503	731	140
BMS03-01M	3,000	2-Speed : 6.4 / 1.6	4.0 / 1.0	11.2	1	741	361	268	503	667	144
BMS05-02M	5,000	2-Speed : 4 / 1	4.0 / 1.0	11.2	2	741	361	268	503	755	150
BMS08-03M	8,000	2-Speed : 2.7 / 0.9	4.0 / 1.0	11.2	3	Request for dimension					

* Height of lift can be changed upon the usage.

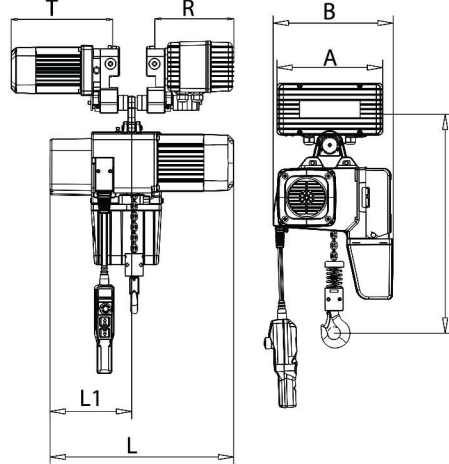
* For other lifting speed, Please contact our sale department.

Electric Chain Hoist BMS Series

Electric Chain Hoist with Electric Trolley - Model BMS-MET



Technical Parameters



Main Characteristics

- Motor insulation : Class F
- Duty factor : 60%ED (40/20)
- Duty classification : FEM 2M / ISO M5
- Brake type : DC electromagnetic brake
- Overload protection : Slipping clutch
- Limit switch : Up and Down directions
- Electretrical protection : Phase protection
- Motor protection : Temp. switch (2 ton or more)
- Lubrication : Liquid grease / Oil bath
- Hoist protection grade : IP55
- Pendant control : 4 points with emergency
- Control voltage : 24VAC
- Power voltage : 3P 380VAC 50Hz (Standard)
3P 220VAC 50Hz (Option)
1P 220VAC 50Hz (Option)
- Traversing beam width :
 - 75 - 175 mm for 500 kg or less.
 - 75 - 200 mm for 1 ton or more.
- Traversing speed :
 - 1-speed : 18 or 12 m/min. (Standard)
 - 2-speed : 20 / 5 m/min. (Inverter)

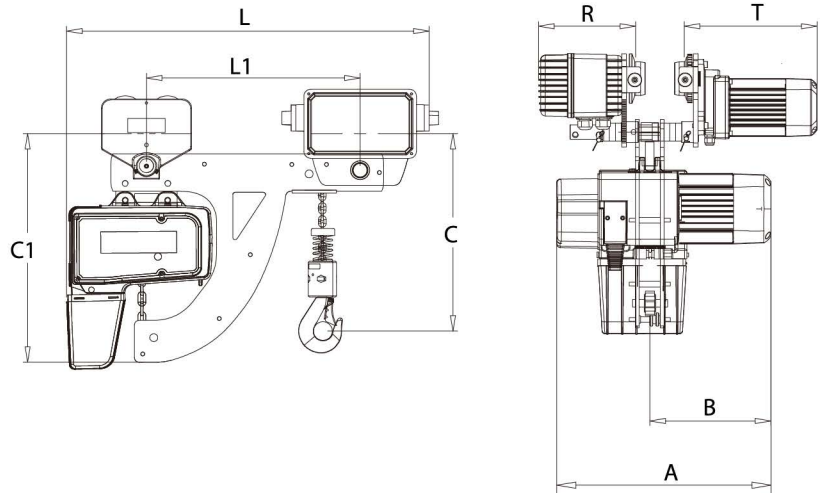
Model	Rated Load (kg)	Lifting Speed (m/min)	Lifting Motor Output (kW)	Load Chain		Traversing Motor Output (kW)	Dimension (mm)						Net Weight (Lift 3 m) (kg)	
				Dia. (mm)	No. of falls		L	L1	T	R	A	B		C
BMS0.125-01MET	125	2-Speed : 8 / 2	0.4 / 0.1	5.0	1	0.4	455	209	271	211	282	288	478	41
BMS0.25-01MET	250	2-Speed : 8 / 2	0.4 / 0.1	5.0	1		455	209	271	211	282	288	478	41
		2-Speed : 12 / 3	0.8 / 0.2	5.0	1		490	218	271	211	282	320	490	48
BMS0.5-02MET	500	2-Speed : 16 / 4	1.8 / 0.45	7.1	1		564	254	282	206	293	343	579	84
		2-Speed : 4 / 1	0.4 / 0.1	5.0	2		455	209	271	211	282	288	478	52
BMS0.5-01MET	500	2-Speed : 8 / 2	0.8 / 0.2	5.0	1		490	218	271	211	282	320	490	48
		2-Speed : 12 / 3	1.8 / 0.45	7.1	1		564	254	282	206	293	343	579	84
		2-Speed : 16 / 4	2.3 / 0.6	7.1	1		641	254	282	206	293	343	579	96
		1-Speed : 8 (INV.)	0.8	5.0	1		490	218	271	211	282	320	490	48
BMS01-02MET	1,000	2-Speed : 4 / 1	0.8 / 0.2	5.0	2		490	218	282	206	282	320	573	63
BMS01-01MET	1,000	2-Speed : 8 / 2	1.8 / 0.45	7.1	1		564	254	282	206	293	343	579	84
		2-Speed : 12 / 3	2.3 / 0.6	7.1	1		564	254	282	206	293	343	579	96
		1-Speed : 8 (INV.)	1.8	7.1	1		564	254	282	206	293	343	579	84
BMS02-02MET	2,000	2-Speed : 4 / 1	1.8 / 0.45	7.1	2		564	289	282	206	330	343	685	100
BMS02-01MET	2,000	2-Speed : 8 / 2	3.6 / 0.9	10.0	1		741	361	284	207	330	503	668	161
		1-Speed : 8 (INV.)	3.6	10.0	1		741	361	284	207	330	503	668	161
BMS03-02MET	3,000	2-Speed : 4 / 1	3.6 / 0.9	10.0	2	741	361	350	239	340	503	793	172	
BMS03-01MET	3,000	2-Speed : 6.4 / 1.6	4.0 / 1.0	11.2	1	741	361	350	239	340	503	720	176	
BMS05-02MET	5,000	2-Speed : 4 / 1	4.0 / 1.0	11.2	2	741	361	356	222	400	503	812	205	
BMS08-03MET	8,000	2-Speed : 2.7 / 0.9	4.0 / 1.0	11.2	3	Request for dimension								

* Height of lift can be changed upon the usage.
* For other lifting speed, Please contact our sale department.

Low-headroom Type Electric Chain Hoist with Electric Trolley Model BMS-ML



Technical Parameters



Main characteristics

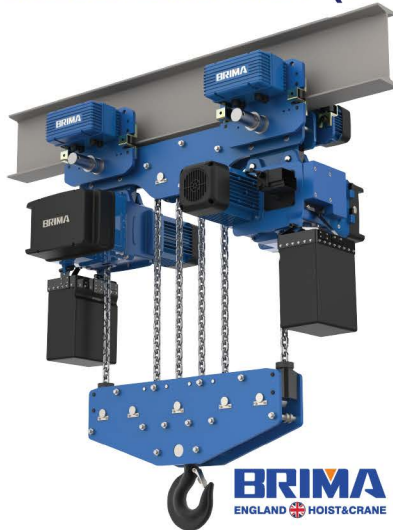
- Motor insulation : Class F
- Duty : 60%ED (40/20), FEM 2M / ISO M5
- Brake type : DC electromagnetic brake
- Overload protection : Slipping clutch
- Limit switch : Up and Down directions
- Lubrication : Liquid grease / Oil bath
- Hoist protection grade : IP55
- Pendant control : 4 points with emergency
- Control voltage : 24VAC
- Power voltage : 3P 380VAC 50Hz
- Traversing beam width :
 - 250 kg - 5.0 Ton : 100 - 180 mm
 - 8.0 Ton : 150 - 180 mm
- Traversing speed :
 - 1-speed : 18 or 12 m/min. (Standard)
 - 2-speed : 20 / 5 m/min. (Inverter)

Model	Rated Load (kg)	Lifting Speed (m/min)	Lifting Motor Output (kW)	Load Chain		Traversing Motor Output (kW)	Dimension (mm)							
				Dia. (mm)	No. of falls		L	L1	T	R	A	B	C	C1
BMS0.25-01ML	250	2-Speed : 8 / 2	0.8 / 0.2	5.0	1	0.4	770	453	271	211	490	257	330	490
BMS0.5-01ML	500	2-Speed : 8 / 2	0.8 / 0.2	5.0	1		770	453	271	211	490	257	330	490
BMS01-02ML	1,000	2-Speed : 4 / 1	0.8 / 0.2	5.0	2		770	453	282	206	490	257	410	490
BMS01-01ML	1,000	2-Speed : 8 / 2	1.8 / 0.45	7.1	1		863	548	282	206	630	292	375	630
BMS02-02ML	2,000	2-Speed : 4 / 1	1.8 / 0.45	7.1	2	0.55	891	548	284	207	630	292	485	630
BMS02-01ML	2,000	2-Speed : 8 / 2	3.6 / 0.9	10.0	1		1123	680	284	207	720	380	391	720
BMS2.5-01ML	2,500	2-Speed : 8 / 2	4.0 / 1.0	11.2	1	0.75	1185	745	350	239	720	380	429	720
BMS03-02ML	3,000	2-Speed : 4 / 1	3.6 / 0.9	10.0	2		1185	745	350	239	720	380	508	720
BMS05-02ML	5,000	2-Speed : 4 / 1	4.0 / 1.0	11.2	2	1.1	1245	775	356	222	720	380	543	720
BMS08-03ML	8,000	2-Speed : 4 / 1	2.7 / 0.9	11.2	3		1444	966	356	222	741	381	653	735

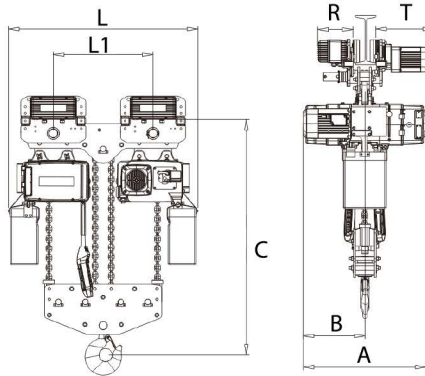
* Height of lift can be changed upon the usage.

Electric Chain Hoist BMS Series

Electric Chain Hoist with Electric Trolley Model BMS-MET (10 ton or more)



Technical Parameters



Main Characteristics

- Motor insulation : Class F
- Duty factor : 60%ED (40/20)
- Duty classification : FEM 2M / ISO M5
- Brake type : DC electromagnetic brake
- Overload protection : Slipping clutch
- Limit switch : Up and Down directions
- Electrical protection : Phase protection
- Motor protection : Temp. switch
- Lubrication : Liquid grease / Oil bath
- Hoist protection grade : IP55
- Pendant control : 4 points with emergency
- Control voltage : 24VAC
- Power voltage : 3P 380VAC 50Hz
- Traversing beam width : 150 - 200 mm
- Traversing speed :
 - 1-speed : 18 or 12 m/min. (Standard)
 - 2-speed : 20 / 5 m/min. (Inverter)

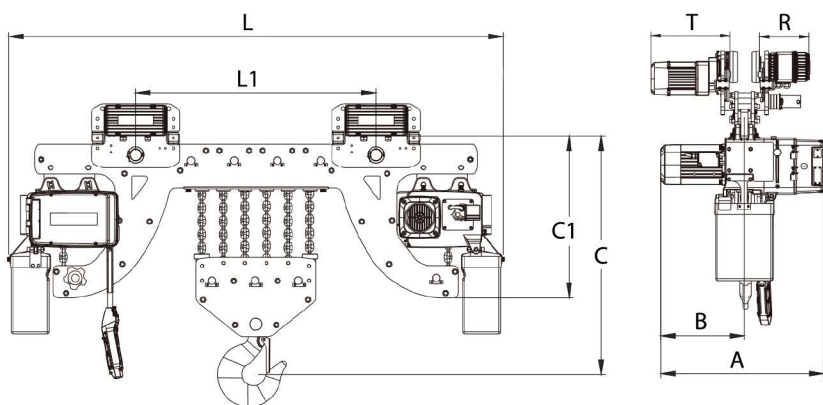
Model	Rated Load (kg)	Lifting Speed (m/min)	Lifting Motor Output (kW)	Load Chain		Traversing Motor Output (kW)	Dimension (mm)						
				Dia. (mm)	No. of falls		L	L1	T	R	A	B	C
BMS10-04MET	10,000	2-Speed : 4 / 1	2 x 4.0 / 1.0	11.2	4	2 x 1.1	1185	632	356	222	757	378	962
BMS16-06MET	16,000	2-Speed : 2.7 / 0.9	2 x 4.0 / 1.0	11.2	6	2 x 1.1	1421	868	361	225	757	378	1024
BMS20-08MET	20,000	2-Speed : 2 / 0.5	2 x 4.0 / 1.0	11.2	8	2 x 1.1	Request for dimension						

* Height of lift can be changed upon the usage.

Low-headroom Type Electric Chain Hoist with Electric Trolley Model BMS-ML (10 ton or more)



Technical Parameters



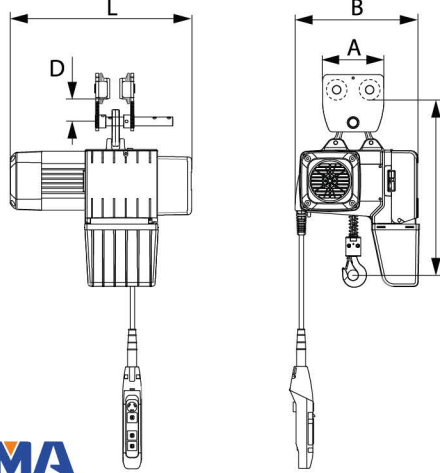
Model	Rated Load (kg)	Lifting Speed (m/min)	Lifting Motor Output (kW)	Load Chain		Traversing Motor Output (kW)	Dimension (mm)							
				Dia. (mm)	No. of falls		L	L1	T	R	A	B	C	C1
BMS10-04ML	10,000	2-Speed : 4 / 1	2 x 4.0 / 1.0	11.2	4	2 x 1.1	2049	895	356	222	741	381	670	735
BMS16-06ML	16,000	2-Speed : 2.7 / 0.9	2 x 4.0 / 1.0	11.2	6	2 x 1.1	2245	1090	356	225	741	381	805	735
BMS20-08ML	20,000	2-Speed : 2 / 0.5	2 x 4.0 / 1.0	11.2	8	2 x 1.1	2450	1290	361	226	741	381	836	757

* Height of lift can be changed upon the usage.

Electric Chain Hoist with Manual Trolley - Model BMS-MMT



Technical Parameters



Main Characteristics

- Motor insulation : Class F
- Duty factor : 60%ED (40/20)
- Duty classification : FEM 2M / ISO M5
- Brake type : DC electromagnetic brake
- Overload protection : Slipping clutch
- Limit switch : Up and Down directions
- Electrical protection : Phase protection
- Motor protection : Temp. switch (2 ton or more)
- Lubrication : Liquid grease / Oil bath
- Hoist protection grade : IP55
- Pendant control : 2 points with emergency
- Control voltage : 24VAC
- Power voltage : 3P 380VAC 50Hz (Standard)
3P 220VAC 50Hz (Option)
1P 220VAC 50Hz (Option)
- Traversing beam width :
 - 75 - 175 mm for 500 kg or less.
 - 75 - 200 mm for 1 ton or more.

Model	Rated Load (kg)	Lifting Speed (m/min)	Lifting Motor Output (kW)	Load Chain		Dimension (mm)					Net Weight (Lift 3 m) (kg)
				Dia. (mm)	No. of falls	L	A	B	C	D	
BMS0.125-01MMT	125	2-Speed : 8 / 2	0.4 / 0.1	5.0	1	455	192	288	478	70	31
BMS0.25-01MMT	250	2-Speed : 8 / 2	0.4 / 0.1	5.0	1	455	192	288	478	70	31
		2-Speed : 12 / 3	0.8 / 0.2	5.0	1	490	192	320	490	70	38
		2-Speed : 16 / 4	1.8 / 0.45	7.1	1	564	293	343	579	78	71
BMS0.5-02MMT	500	2-Speed : 4 / 1	0.4 / 0.1	5.0	2	455	192	288	561	70	42
BMS0.5-01MMT	500	2-Speed : 8 / 2	0.8 / 0.2	5.0	1	490	192	320	490	70	38
		2-Speed : 12 / 3	1.8 / 0.45	7.1	1	564	293	343	579	78	71
		2-Speed : 16 / 4	2.3 / 0.6	7.1	1	641	293	343	579	78	83
		1-Speed : 8 (INV.)	0.8	5.0	1	490	192	320	490	70	38
BMS01-02MMT	1,000	2-Speed : 4 / 1	0.8 / 0.2	5.0	2	490	192	320	573	70	50
BMS01-01MMT	1,000	2-Speed : 8 / 2	1.8 / 0.45	7.1	1	564	293	343	579	78	71
		2-Speed : 12 / 3	2.3 / 0.6	7.1	1	564	293	343	579	78	83
		1-Speed : 8 (INV.)	1.8	7.1	1	564	293	343	579	78	71
BMS02-02MMT	2,000	2-Speed : 4 / 1	1.8 / 0.45	7.1	2	564	330	343	685	74	88
BMS02-01MMT	2,000	2-Speed : 8 / 2	3.6 / 0.9	10.0	1	741	330	503	668	74	149
		1-Speed : 8 (INV.)	3.6	10.0	1	741	330	503	668	74	149
BMS03-02MMT	3,000	2-Speed : 4 / 1	3.6 / 0.9	10.0	2	741	340	503	793	71	172
BMS03-02MMT	3,000	2-Speed : 6.4 / 1.6	4.0 / 1.0	11.2	1	741	340	503	720	71	176
BMS05-02MMT	5,000	2-Speed : 4 / 1	4.0 / 1.0	11.2	2	741	400	503	812	86	205
BMS08-03MMT	8,000	2-Speed : 2.7 / 0.9	4.0 / 1.0	11.2	3	Request for dimension					

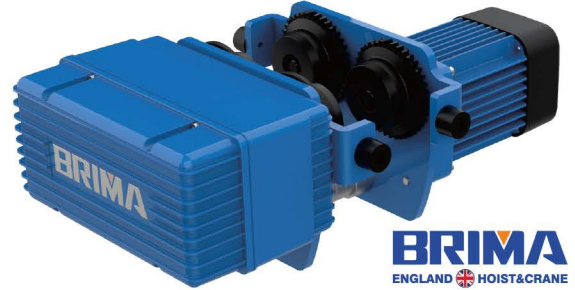
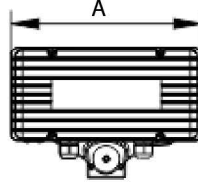
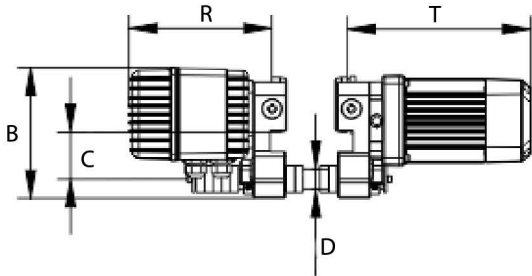
* Height of lift can be changed upon the usage.
* For other lifting speed, Please contact our sale department.

Electric & Manual Trolley BMS Series



Electric Chain Hoist with Motorized Trolley - Model ET

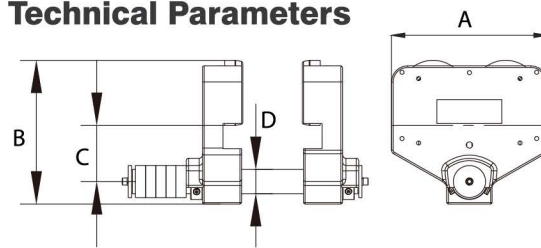
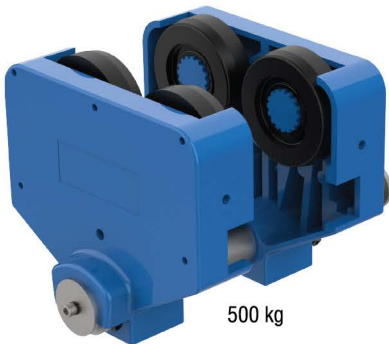
Technical Parameters



Model	Rated Load (kg)	Traversing Speed (m/min)		Motor Output (kW)	Dimension (mm)						Beam Width (mm)	Net Weight (kg)
		Single	Dual (Inverter)		A	B	C	D	T	R		
ET-0.5	500	Fast : 18 Slow : 12	20 / 5	0.4	282	193	70	30	271	211	75 - 175	17
ET-01	1,000	Fast : 18 Slow : 12	20 / 5	0.4	293	201	78	31	282	206	75 - 200	28
ET-02	2,000	Fast : 18 Slow : 12	20 / 5	0.55	330	217	74	36	284	207	75 - 200	35
ET-03	3,000	Fast : 18 Slow : 12	20 / 5	0.75	340	250	71	43	350	239	75 - 200	55
ET-05	5,000	Fast : 18 Slow : 12	20 / 5	1.1	400	291	86	54	356	222	75 - 200	76

Manual Trolley - Model MT

Technical Parameters

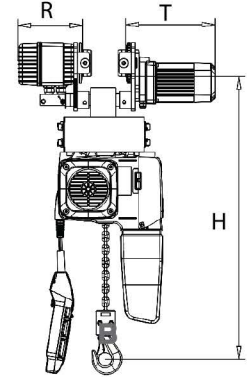
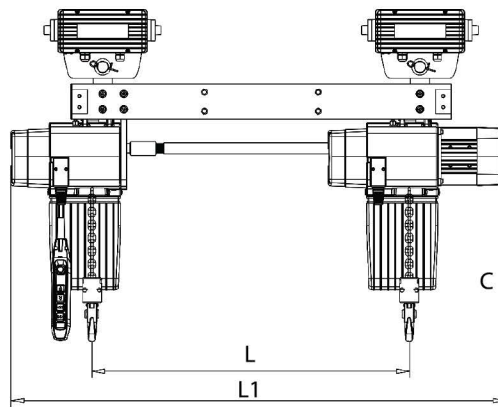


Model	Rated Load (kg)	Dimension (mm)				Beam Width (mm)	Net Weight (kg)
		A	B	C	D		
MT-0.5	500	192	193	70	30	75 - 175	7
MT-01	1,000	293	201	78	31	75 - 200	15
MT-02	2,000	330	217	74	36	75 - 200	23
MT-03	3,000	340	250	71	43	75 - 200	32
MT-05	5,000	400	291	86	54	75 - 200	55

Double Hook Type Electric Chain Hoist with Electric Trolley Model BMS-MD



Technical Parameters



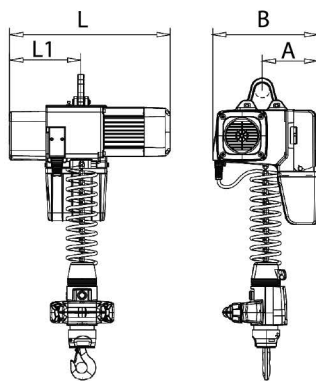
Model	Rated Load (kg)	Lifting Speed (m/min)	Lifting Motor Output (kW)	Load Chain		Traversing Motor Output (kW)	Dimension (mm)				
				Dia. (mm)	No. of falls		L	L1	T	R	H
BMS0.125-01MD	125+125	2-Speed : 8 / 2	0.8 / 0.2	5.0	1	0.4	Upon Request	L+490	271	211	570
BMS0.25-01MD	250+250	2-Speed : 8 / 2	0.8 / 0.2	5.0	1			L+490	271	211	570
BMS0.5-02MD	500+500	2-Speed : 4 / 1	0.8 / 0.2	5.0	2			L+490	271	211	653
BMS0.5-01MD	500+500	2-Speed : 8 / 2	1.8 / 0.45	7.1	1			L+565	282	206	671
BMS01-02MD	1,000+1,000	2-Speed : 4 / 1	1.8 / 0.45	7.1	2	0.55		L+565	284	207	770

* Height of lift can be changed upon the usage

Hand Control Type Electric Chain Hoist with Electric Trolley Model BMS-MH



Technical Parameters



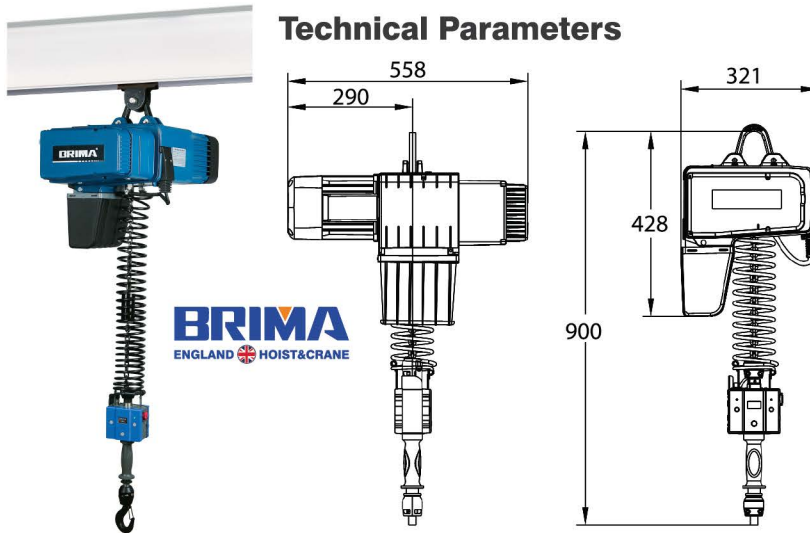
Main Characteristics

- Motor insulation : Class F
- Duty factor : 60%ED (40/20)
- Duty classification : FEM 2M / ISO M5
- Brake type : DC electromagnetic brake
- Overload protection : Slipping clutch
- Limit switch : Up and Down directions
- Lubrication : Oil bath
- Hoist protection grade : IP55
- Pendant control : 2 points with emergency
- Control voltage : 24VAC
- Power voltage : 3P 380VAC 50Hz (Standard)
3P 220VAC 50Hz (Option)
1P 220VAC 50Hz (Option)

Model	Rated Load (kg)	Lifting Speed (m/min)	Lifting Motor Output (kW)	Load Chain		Dimension (mm)			
				Dia. (mm)	No. of falls	L	L1	A	B
BMS0.125-01MH	125	2-Speed : 8 / 2	0.4 / 0.1	5.0	1	511	265	159	288
		2-Speed : 16 / 4	0.8 / 0.2	5.0	1	541	271	170	320
BMS0.25-01MH	250	2-Speed : 8 / 2	0.4 / 0.1	5.0	1	511	265	159	288
		2-Speed : 12 / 3	0.8 / 0.2	5.0	1	541	271	170	320
BMS0.5-01MH	500	2-Speed : 8 / 2	0.8 / 0.2	5.0	1	541	271	170	320

Electric Chain Hoist BMS & BMA Series

Electric Chain Hoist with Balance Function - Model BMS-ZNL



Main Characteristics

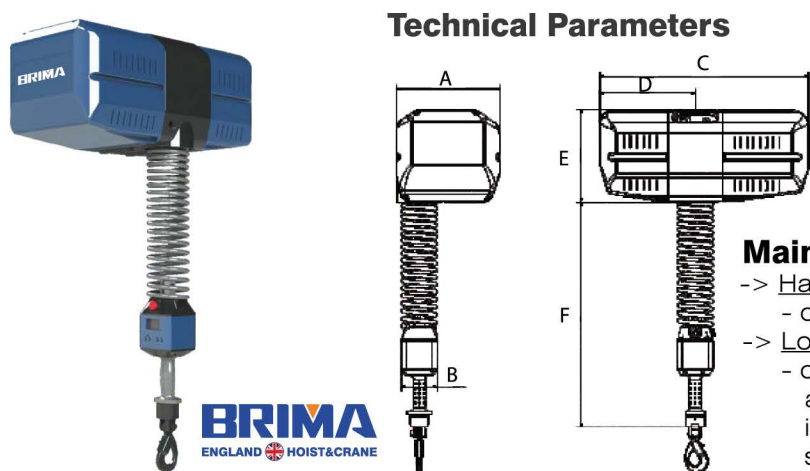
- Motor insulation : Class F
- Duty classification :
 - 80 kg - 250 kg : FEM 4M / ISO M7
 - 500 kg : FEM 2M / ISO M5
- Brake type : DC electromagnetic brake
- Overload protection : Load cell Type
- Limit switch : Software and Hardware
- Lubrication : Oil bath
- Hoist protection grade : IP55
- Pendant control : Hand grip with emergency
- Power voltage : 1P 220VAC 50Hz

Main Features

- > Handle control mode
 - controlled by sliding hand grip (Up/Down)
- > Load positioning control mode
 - controlled by holding the load by hand and applying light force to hoisting or lowering inhibit load swing and uncontrolled movement, so the operation has a high safety and precision.

Model	Rated Load (kg)	Maximum Lifting Speed (m/min)	Lifting Motor Output (kW)	Load Chain	
				Dia. (mm)	No. of falls
BMS-ZNL80	80	20	1.1	5.0	1
BMS-ZNL125	125	20			
BMS-ZNL250	250	16			
BMS-ZNL500	500	8			

Electric Wire Rope Hoist with Balance Function - Model BMA



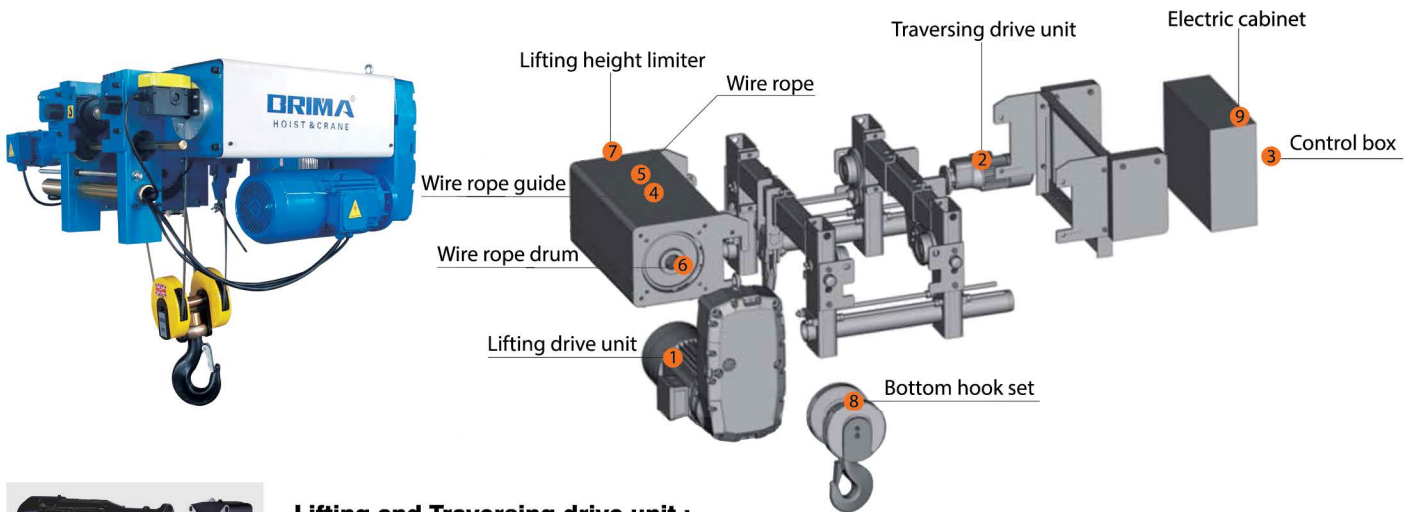
Main Characteristics

- Pendant control : 2 points with emergency
- Overload protection : Load cell Type
- Limit switch : Software and Hardware
- Pendant control : Hand grip with emergency
- Power voltage : 1P 220VAC 50Hz

Main Features

- > Handle control mode
 - controlled by sliding hand grip (Up/Down)
- > Load positioning control mode
 - controlled by holding the load by hand and applying light force to hoisting or lowering inhibit load swing and uncontrolled movement, so the operation has a high safety and precision.

Model	Rated Load (kg)	Max. Lifting Speed (m/min)		Max. Lifting Stroke (m)	Lifting Motor Output (kW)	Wire Rope Dia. (mm)	Dimension (mm)					
		Handle	Load positioning				A	B	C	D	E	F
BMA100	100	40	36	3.5	0.75	5.0	323	112	649	297	291	610
BMA200	200	30	27	3.5	1.5							
BMA300	300	15	13.5	3.5	2.0							
BMA600	600	7.5	6.75	1.7	2.0							6.5



Lifting and Traversing drive unit :

The BMG's motor with reduction gear box has high-performance and compact structure. But it consumes low energy, and has low noise. The duty factor is up to 60% (40/20). Due to asbestos-free brake, service life can be up to 1 million times. High protection grade of brake can meet the requirements of severe environment.



Wire rope guide :

The guide is light weight and wear resistance designed, to reduce the wear of wire rope. The guide prevents wire rope from skipping and losing to off-groove.



Wire rope :

The BMG hoist use high performance wire rope, tensile strength up to 2,160 MPa. The surface is galvanized for corrosion prevention effectively. Also, the high flexibility structure of wire rope ensures wear resistance and prolongs its service life.



Wire rope drum :

The drum is produced with Q345 seamless steel tube and a number of working procedure to ensure concentricity of drum. The depth of groove is in compliance with FEM standard. High-strength pressing plates and bolts are fastened on the end of wire rope for safety.



Lifting height limiter :

The limiter can be wide range adjusted with high precision. Multiple-contact configurations can effectively achieve the function of transition (lifting and lowering with 2-speed).



Bottom hook set :

The bottom hook is forged by the high-strength material of T grade. The hook with safety latch and wire rope sheath ergonomic design is in compliance with DIN standard.



Electric control box :

All of the electrical components is high quality and reliable. Multiple safety protection devices are added to ensure more safety. The design with clear identification makes it easy to troubleshoot. Good sealing housing protects the control circuit from dust and water - IP55.

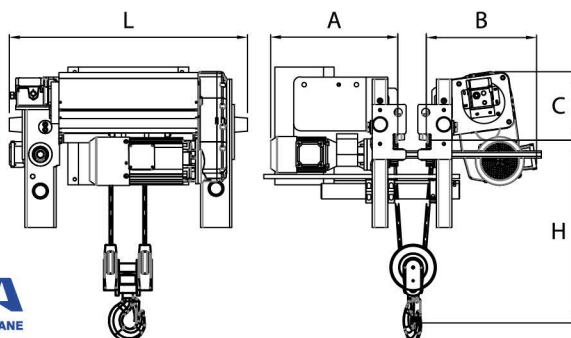
Electric Wire Rope Hoist BMG Series



Single Girder Type Electric Wire Rope Hoist with Electric Trolley Model BMG-S



Technical Parameters



Main Characteristics

- Motor insulation : Class F
- Duty factor : 60%ED (40/20)
- Brake type : DC brake
- Overload protection : Load cell
- Limit switch : Up-Down direction
- Elec. protection : Phase protection
- Motor protection : Temp. switch
- Lubrication : Oil bath
- Pendant control : 6 points+Emer
- Control voltage : 48VAC
- Power voltage : 3P 380VAC 50Hz
- Reeving : 4/1 (Std.), 4/2 (Option)
- Protection Grade : IP 55 / IP 54

Model	Rated Load (ton)	Speed (m/min)	Motor Output (kW)	Duty Class.	Wire Rope	Lifting Height (m)	Dimension (mm)					Beam Width (mm)
							L	H	A	B	C	
BMG-3.2S	3.2	Lifting 2-Speed : 5 / 0.8 Traversing 2-Speed : 20 / 5	Lifting 3.2 / 0.45 Traversing 0.64 (Inverter)	FEM : 2M ISO : M5	Dia. 6.0 mm Reeving 4/1	6.0	913	696	540	450	188	150 - 410
						9.0	1,063					
						12.0	1,263					
						15.0	1,463					
BMG-5.0S	5.0	Lifting 2-Speed : 5 / 0.8 Traversing 2-Speed : 20 / 5	Lifting 6.1 / 1.0 Traversing 0.64 (Inverter)	FEM : 2M ISO : M5	Dia. 8.0 mm Reeving 4/1	6.0	905	696	510	480	180	150 - 400
						9.0	1,055					
						12.0	1,255					
						15.0	1,455					
BMG-8.0S	8.0	Lifting 2-Speed : 5 / 0.8 Traversing 2-Speed : 20 / 5	Lifting 9.5 / 1.5 Traversing 0.96 (Inverter)	FEM : 3M ISO : M6	Dia. 11.0 mm Reeving 4/1	6.0	1,065	750	580	610	325	200 - 450
						9.0	1,215					
						12.0	1,415					
						15.0	1,615					
BMG-10.0S	10.0	Lifting 2-Speed : 5 / 0.8 Traversing 2-Speed : 20 / 5	Lifting 9.5 / 1.5 Traversing 0.96 (Inverter)	FEM : 2M ISO : M5	Dia. 11.0 mm Reeving 4/1	6.0	1,065	750	580	610	325	200 - 450
						9.0	1,215					
						12.0	1,415					
						15.0	1,615					
BMG-12.5S	12.5	Lifting 2-Speed : 5 / 0.8 Traversing 2-Speed : 20 / 5	Lifting 12.5 / 2.0 Traversing 0.96 (Inverter)	FEM : 1M ISO : M4	Dia. 11.0 mm Reeving 4/1	6.0	1,065	750	580	610	325	200 - 450
						9.0	1,215					
						12.0	1,415					
						15.0	1,615					
BMG-15.0S	15.0	Lifting 2-Speed : 4 / 0.6 Traversing 2-Speed : 20 / 5	Lifting 20.0 / 5.0 Traversing 2 x 0.96 (Inverter)	FEM : 2M ISO : M5	Dia. 15.0 mm Reeving 4/1	6.0	913	1,150	610	610	360	200 - 450
						9.0	1,063					
						12.0	1,263					

* Height of lift can be changed upon the usage.

* For other lifting speed, Please contact our sale department.

Double Girder Type Electric Wire Rope Hoist with Electric Trolley Model BMG-D



Main Characteristics

- Motor insulation : Class F
- Duty factor : 60%ED (40/20)
- Brake type : DC brake
- Overload protection : Load cell
- Limit switch : Up-Down direction
- Elec. protection : Phase protection
- Motor protection : Temp. switch
- Lubrication : Oil bath
- Pendant control : 6 points+Emer
- Control voltage : 48VAC
- Power voltage : 3P 380VAC 50Hz
- Reeving : 4/1 (Std.), 4/2 (Option)
- Protection Grade : IP 55 / IP 54

Model	Rated Load (ton)	Speed (m/min)	Motor Output (kW)	Duty Class.	Wire Rope	Lifting Height (m)	Standard Rail Gauge L (mm)	Dimension (mm)				
								H	A	B	C	W
BMG-3.2D	3.2	Lifting 2-Speed : 5 / 0.8 Traversing 2-Speed : 20 / 5	Lifting 3.2 / 0.45 Traversing 2 x 0.64 (Inverter)	FEM : 2M ISO : M5	Dia. 6.0 mm Reeving 4/1	6.0	1,200	450	600	720	500	60
						9.0	1,200					
						12.0	1,400					
						15.0	1,400					
BMG-5.0D	5.0	Lifting 2-Speed : 5 / 0.8 Traversing 2-Speed : 20 / 5	Lifting 6.1 / 1.0 Traversing 2 x 0.64 (Inverter)	FEM : 2M ISO : M5	Dia. 8.0 mm Reeving 4/1	6.0	1,200	490	600	720	500	60
						9.0	1,200					
						12.0	1,400					
						15.0	1,400					
BMG-8.0D	8.0	Lifting 2-Speed : 5 / 0.8 Traversing 2-Speed : 20 / 5	Lifting 9.5 / 1.5 Traversing 2 x 0.96 (Inverter)	FEM : 3M ISO : M6	Dia. 11.0 mm Reeving 4/1	6.0	1,200	600	600	730	570	60
						9.0	1,400					
						12.0	1,700					
						15.0	1,700					
BMG-10.0D	10.0	Lifting 2-Speed : 5 / 0.8 Traversing 2-Speed : 20 / 5	Lifting 9.5 / 1.5 Traversing 2 x 0.96 (Inverter)	FEM : 2M ISO : M5	Dia. 11.0 mm Reeving 4/1	6.0	1,200	600	600	730	570	60
						9.0	1,400					
						12.0	1,700					
						15.0	1,700					
BMG-12.5D	12.5	Lifting 2-Speed : 5 / 0.8 Traversing 2-Speed : 20 / 5	Lifting 12.5 / 2.0 Traversing 2 x 0.96 (Inverter)	FEM : 1M ISO : M4	Dia. 11.0 mm Reeving 4/1	6.0	1,200	600	600	730	570	60
						9.0	1,400					
						12.0	1,700					
						15.0	1,700					

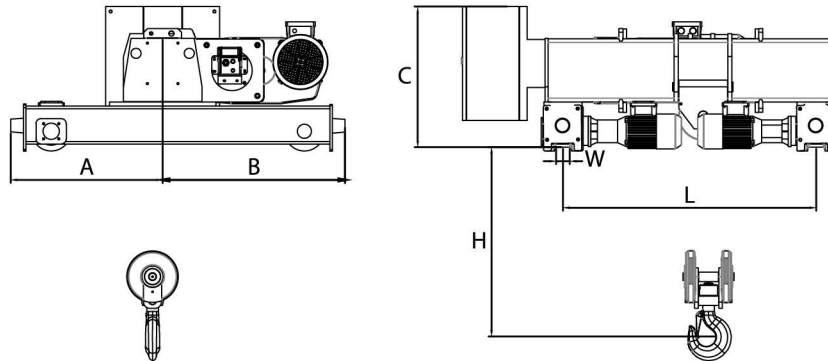
* Height of lift can be changed upon the usage.

* For other lifting speed, Please contact our sale department.

Electric Wire Rope Hoist BMG Series

Double Girder Type Electric Wire Rope Hoist with Electric Trolley Model BMG-D

Technical Parameters



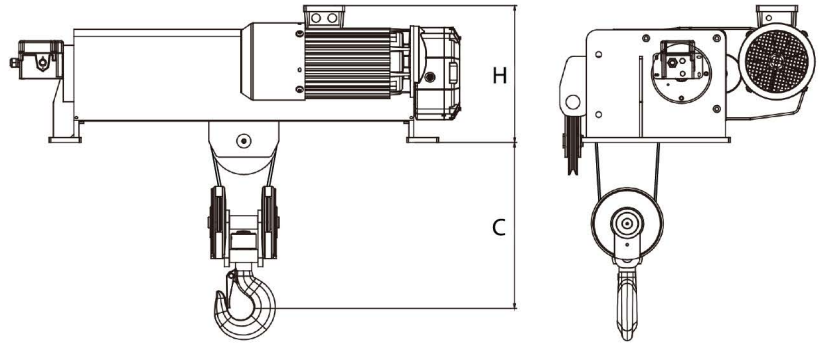
Model	Rated Load (ton)	Speed (m/min)	Motor Output (kW)	Duty Class.	Wire Rope	Lifting Height (m)	Standard Rail Gauge L (mm)	Dimension (mm)				
								H	A	B	C	W
BMG-16.0D	16.0	Lifting 2-Speed : 4 / 0.6 Traversing 2-Speed : 20 / 5	Lifting 20.0 / 4.0 Traversing 2 x 0.96 (Inverter)	FEM : 2M ISO : M5	Dia. 15.0 mm Reeving 4/1	6.0	1,400	890	875	785	770	70
						9.0	1,400					
						12.0	1,700					
						15.0	2,000					
BMG-20.0D	20.0	Lifting 2-Speed : 4 / 0.6 Traversing 2-Speed : 20 / 5	Lifting 20.0 / 4.0 Traversing 2 x 0.96 (Inverter)	FEM : 1M ISO : M4	Dia. 15.0 mm Reeving 4/1	6.0	1,400	890	875	785	770	70
						9.0	1,400					
						12.0	1,700					
						15.0	2,000					
BMG-32.0D	32.0	Lifting 2-Speed : 3.3 / 0.8 Traversing 2-Speed : 20 / 5	Lifting 20.0 / 5.0 Traversing 2 x 1.3 (Inverter)	FEM : 2M ISO : M5	Dia. 11.0 mm Reeving 12/2	6.0	1,700	900	825	1,030	1,000	80
						9.0	2,000					
						12.0	2,400					
						15.0	2,800					
BMG-40.0D	40.0	Lifting 2-Speed : 4.9 / 0.8 Traversing 2-Speed : 20 / 5	Lifting 38.0 (Inverter) Traversing 2 x 1.9 (Inverter)	FEM : 1M ISO : M4	Dia. 15.0 mm Reeving 8/2	6.0	2,000	1,000	1,055	1,055	1,100	90
						9.0	2,200					
						12.0	2,500					
						15.0	2,800					
BMG-50.0D	50.0	Lifting 2-Speed : 3.2 / 0.8 Traversing 2-Speed : 20 / 5	Lifting 38.0 (Inverter) Traversing 2 x 1.9 (Inverter)	FEM : 2M ISO : M5	Dia. 15.0 mm Reeving 12/2	6.0	2,200	1,060	1,085	1,085	1,100	90
						9.0	2,700					
						12.0	3,100					
						15.0	3,600					

* Height of lift can be changed upon the usage.

* For other lifting speed, Please contact our sale department.

Electric Wire Rope Hoist - Model BMG-F

Technical Parameters



Main Characteristics

- Motor insulation : Class F
- Duty factor : 60%ED (40/20)
- Brake type : DC electromagnetic brake
- Overload protection : Load cell Type
- Limit switch : Up and Down directions
- Electretrical protection : Phase protection
- Motor protection : Temp. switch
- Lubrication : Oil bath
- Pendant control : 2 points with emergency
- Control voltage : 48VAC
- Power voltage : 3P 380VAC 50Hz
- Reeving : 4/1 (Standard)
4/2 (Option) - T.V.L. (True Vertical Lift)

Model	Rated Load (ton)	Lifting Height (m)	Speed (m/min)	Motor Output (kW)	Wire Rope	Duty Class.	Dimension (mm)	
							H	C
BMG-3.2F	3.2	6.0 / 9.0 12.0 / 15.0	2-Speed : 5.0 / 0.8	3.2 / 0.45	Dia. 6.0 mm Reeving 4/1	FEM 2M ISO M5	380	620
			1-Speed : 5.0 (Inverter)	3.2 (Inverter)				
			2-Speed : 10.0 / 1.6	6.1 / 1.0	Dia. 8.0 mm Reeving 4/2 (T.V.L.)		400	650
			1-Speed : 10.0 (Inverter)	6.1 (Inverter)				
BMG-5.0F	5.0	6.0 / 9.0 12.0 / 15.0	2-Speed : 5.0 / 0.8	6.1 / 1.0	Dia. 8.0 mm Reeving 4/1	FEM 2M ISO M5	400	650
			1-Speed : 5.0 (Inverter)	6.1 (Inverter)				
			2-Speed : 10.0 / 1.6	9.5 / 1.5	Dia. 11.0 mm Reeving 4/2 (T.V.L.)		510	780
			1-Speed : 10.0 (Inverter)	9.5 (Inverter)				

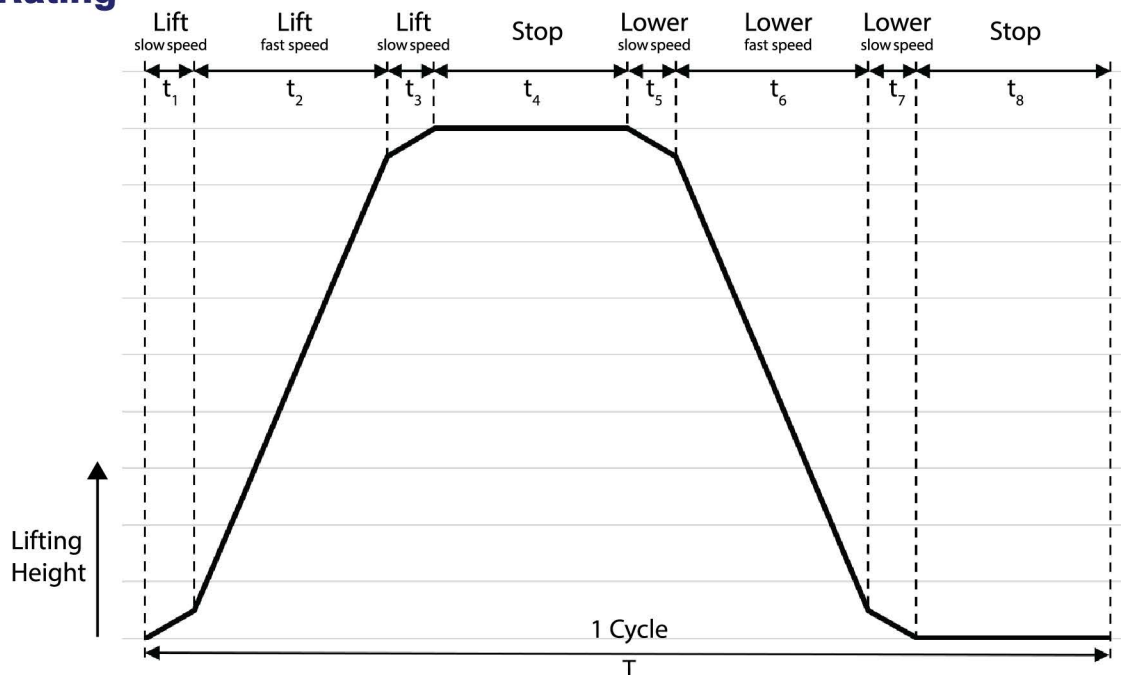
* Height of lift can be changed upon the usage.
* For other lifting speed, Please contact our sale department.

Electric Hoist BMS & BMG Series

FEM (9.511) Rating

Load Condition	Average Load ratio	Calculated total operating time (hours)						
		400	800	1,600	3,200	6,300	12,500	25,000
		Average operating time per day (hours)						
		≤0.25	≤0.5	≤1.0	≤2.0	≤4.0	≤8.0	≤16.0
L1 : Light	$K \leq 0.50$	-	1 Dm	1 Cm	1 Bm	1 Am	2 m	3 m
L2 : Medium	$0.50 < K \leq 0.63$	1 Dm	1 Cm	1 Bm	1 Am	2 m	3 m	4 m
L3 : Heavy	$0.63 < K \leq 0.80$	1 Cm	1 Bm	1 Am	2 m	3 m	4 m	5 m
L4 : Severe	$0.80 < K \leq 1.00$	1 Bm	1 Am	2 m	3 m	4 m	5 m	-

%ED Rating



$$\%ED = \frac{(\text{Motor ON time})}{(1 \text{ Cycle})}$$

$$\%ED (1^{\text{st}} \text{ speed}) = (t_1 + t_3 + t_5 + t_7) / T$$

$$\%ED (2^{\text{nd}} \text{ speed}) = (t_2 + t_6) / T$$

$$\%ED = (t_1 + t_2 + t_3 + t_5 + t_6 + t_7) / T$$

$$\text{OFF time / Rest time} = t_4 + t_8$$

Example: 1 Cycle = 1 hour, 60%ED (40/20)

Slow speed ON time = 12 minutes

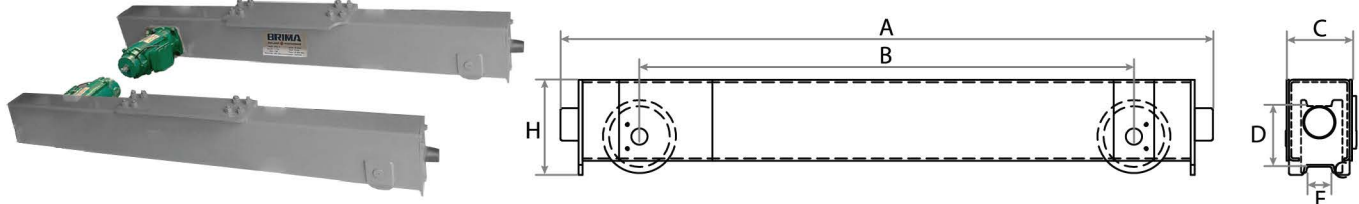
Fast speed ON time = 24 minutes

Both speed ON time = 36 minutes

OFF time / Rest time = 24 minutes

Top-running Motorized End Carriages - Model ET

Technical Parameters

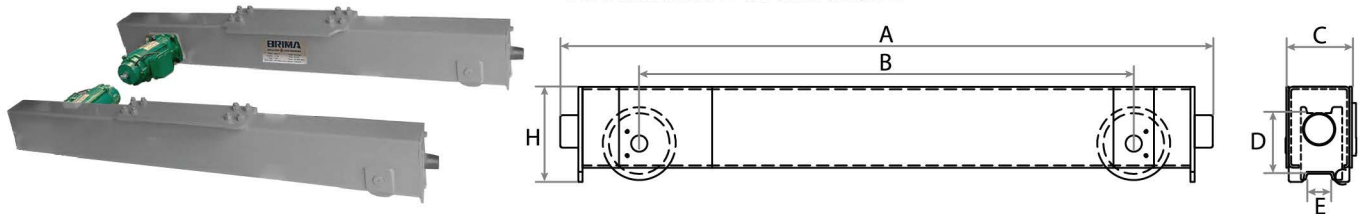


Rated Load (ton)	Max. Span (m)	Model	Speed (m/min)	Motor Output (kW)	Dimension (mm)						Net Weight [per set] (kg)
					A	B	C	D	E	H	
1.0 - 2.0	8.0	ET12-12-2.0	20.0	2 x 0.37	1,566	1,200	150	120	60	165	250
	12.0	ET12-17-2.0			2,066	1,700					286
	16.0	ET12-22-2.0			2,566	2,200					322
	19.0	ET12-27-2.0			3,066	2,700					364
	23.0	ET15-32-2.0			3,620	3,200					458
	26.0	ET15-35-2.0		3,920	3,500	150	70	218	268	566	
3.0	8.0	ET12-12-3.0	20.0	2 x 0.37	1,566	1,200	150	120	60	165	250
	12.0	ET12-17-3.0			2,066	1,700					286
	16.0	ET12-22-3.0			2,566	2,200					322
	19.0	ET15-27-3.0		3,120	2,700	150	70	218	432		
	23.0	ET15-32-3.0		3,620	3,200				268	537	
	26.0	ET15-35-3.0		3,920	3,500				318	596	
5.0	8.0	ET15-12-5.0	20.0	2 x 0.4	1,620	1,200	150	150	70	218	306
	12.0	ET15-17-5.0			2,120	1,700					348
	16.0	ET15-22-5.0			2,620	2,200					268
	19.0	ET20-27-5.0		3,180	2,700	200	70	320	578		
	23.0	ET20-32-5.0		3,680	3,200				633		
	26.0	ET20-35-5.0		3,980	3,500				826		
7.5	8.0	ET20-12-7.5	20.0	2 x 0.75	1,680	1,200	150	200	70	270	399
	12.0	ET20-17-7.5			2,180	1,700					476
	16.0	ET20-22-7.5			2,680	2,200					320
	19.0	ET25-27-7.5			3,280	2,700	200	250	80	325	786
	23.0	ET25-32-7.5			3,780	3,200					861
	26.0	ET25-35-7.5			4,080	3,500					925
10.0	8.0	ET25-12-10.0	20.0	2 x 0.75	1,780	1,200	200	250	80	325	552
	12.0	ET25-17-10.0			2,280	1,700					628
	16.0	ET25-22-10.0			2,780	2,200					704
	19.0	ET25-27-10.0			3,280	2,700					780
	23.0	ET25-32-10.0			3,780	3,200					980
	26.0	ET25-35-10.0		4,080	3,500	425				1,080	

End Carriages Top-running Series

Top-running Motorized End Carriages - Model ET

Technical Parameters

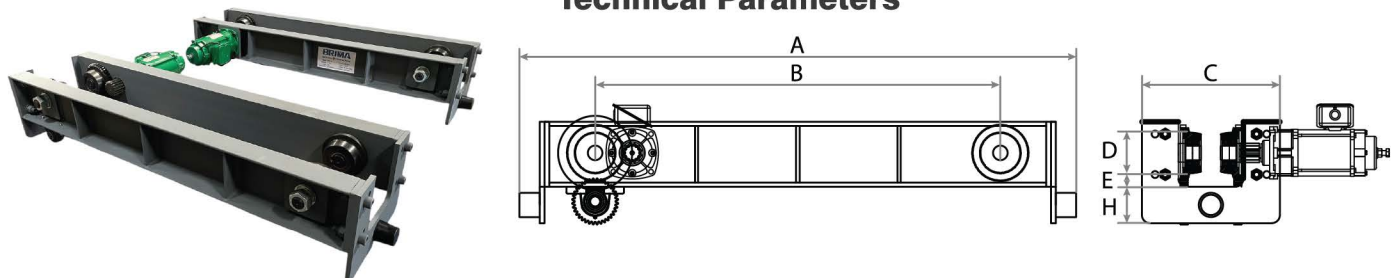


Rated Load (ton)	Max. Span (m)	Model	Speed (m/min)	Motor Output (kW)	Dimension (mm)						Net Weight [per set] (kg)	
					A	B	C	D	E	H		
12.5	8.0	ET25-12-12.5	20.0	2 x 0.75	1,780	1,200	200	250	80	325	562	
	12.0	ET25-17-12.5			2,280	1,700					638	
	16.0	ET315-22-12.5		2 x 1.1	2,880	2,200		315	90		420	982
	23.0	ET315-27-12.5			3,380	2,700						1,090
16.0	8.0	ET315-12-16.0	20.0	2 x 1.1	1,880	1,200	200	315	90	420		795
	12.0	ET315-17-16.0			2,380	1,700						886
	16.0	ET315-22-16.0			2,880	2,200					1,055	
	19.0	ET315-27-16.0			3,380	2,700					1,163	

*For other capacity, span and beam width, Please contact our sale department.

Under-running Motorized End Carriages - Model UT

Technical Parameters



Model	Rated Load (ton)	Max. Span (m)	Speed (m/min)	Motor Output (kW)	Beam Width (mm)	Dimension (mm)						Net Weight [per set] (kg)
						A	B	C	D	E	H	
UT02-10	1.0 - 2.0	8.0	20.0	2 x 0.4	100 / 125 / 150	1,374	1,000	340.6	100	33.5	90.0	200
UT03-12	3.0	10.0	20.0	2 x 0.4	125 / 150 / 175	1,700	1,200	387.1	125	39.8	90.0	320
UT05-15	5.0	12.0	20.0	2 x 1.1	125 / 150 / 175	1,900	1,500	387.1	125	39.8	90.0	320

*For other capacity, span and beam width, Please contact our sale department.

Crane Motor with Gear Box - Model BM

BM-030



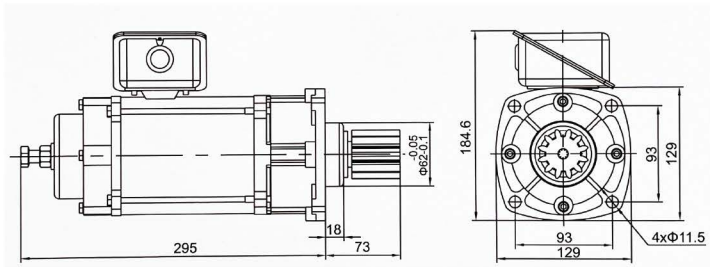
BM-050



BM-100



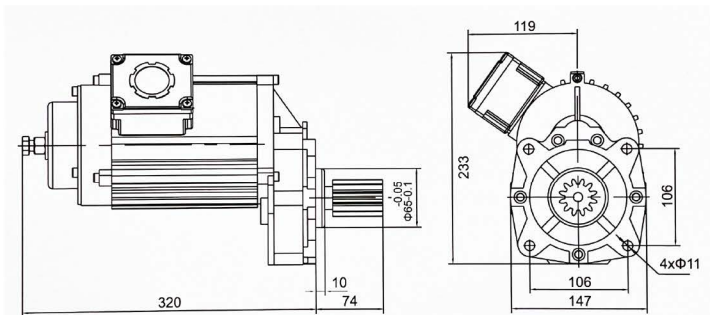
Technical Parameters



Model	Motor Output (kW x Pole)	Speed (50Hz)	Output Gear (Module x Teeth)
BM-030 (Ratio 10:1) 3P 380V	0.25kW x 4P	150 rpm	M4 x 10T , *
	0.25kW x 6P	90 rpm	*
	0.4kW x 4P	150 rpm	*

*Can be changed upon request.
Module: M3, M3.5, M4; Teeth: 10T, 12T, etc.

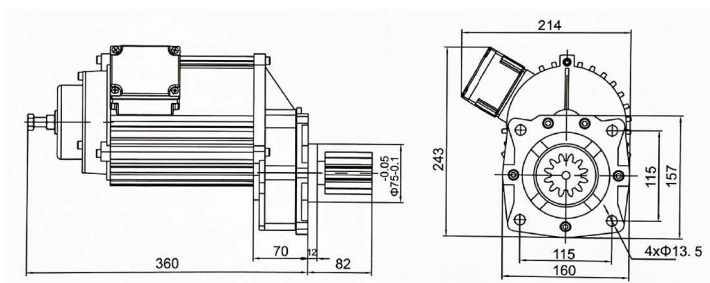
Technical Parameters



Model	Motor Output (kW x Pole)	Speed (50Hz)	Output Gear (Module x Teeth)
BM-050 (Ratio 8.5:1) 3P 380V	0.4kW x 4P	176 rpm	M4 x 10T , *
	0.37kW x 6P	115 rpm	*
BM-050 QX (Ratio 8.5:1) 3P 380V	0.75kW x 4P	176 rpm	*
	0.6kW x 6P	115 rpm	*

*Can be changed upon request.
Module: M3, M3.5, M4; Teeth: 10T, 12T, etc.

Technical Parameters



Model	Motor Output (kW x Pole)	Speed (50Hz)	Output Gear (Module x Teeth)
BM-100 (Ratio 7.7:1) 3P 380V	0.75kW x 4P	188 rpm	M4 x 10T , *
	0.6kW x 6P	123 rpm	*
	0.4/0.13kW x 4/12P	188/62 rpm	*
BM-100 QX (Ratio 7.7:1) 3P 380V	1.1kW x 4P	188 rpm	M4 x 13T , *
	0.75kW x 6P	123 rpm	*

*Can be changed upon request.
Module: M3, M3.5, M4; Teeth: 10T, 12T, etc.

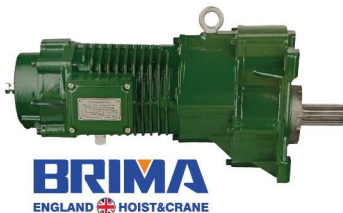
Crane Motor BM Series

Crane Motor with Gear Box - Model BM

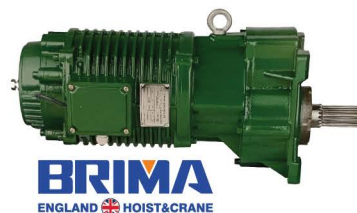
BM-150



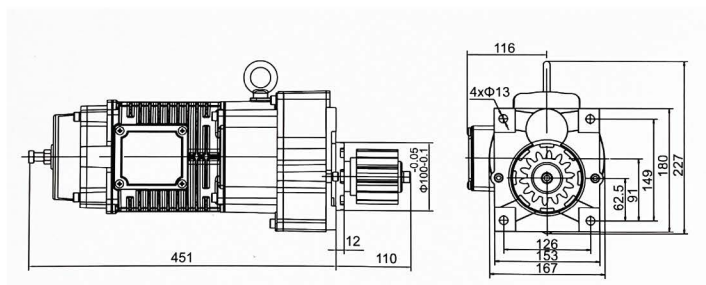
BM-200



BM-300



Technical Parameters

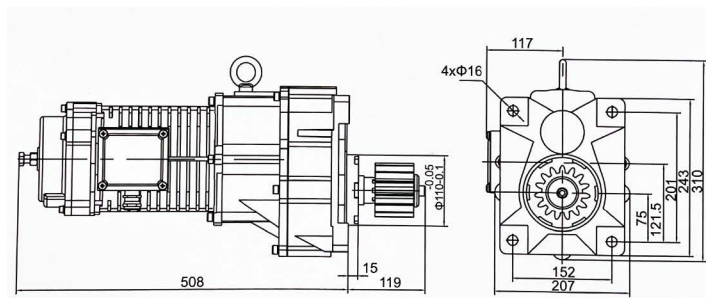


Model	Motor Output (kW x Pole)	Speed (50Hz)	Output Gear (Module x Teeth)
BM-150 (Ratio 13:1) 3P 380V	1.1kW x 4P	114 rpm	*
	0.75kW x 6P	67 rpm	*
	0.6/0.2kW x 4/12P	114/33 rpm	*
BM-150 QX (Ratio 13:1) 3P 380V	1.5kW x 4P	114 rpm	*
	1.1kW x 6P	67 rpm	*

*Can be changed upon request.

Module: M3, M3.5, M4; Teeth: 10T, 12T, etc.

Technical Parameters

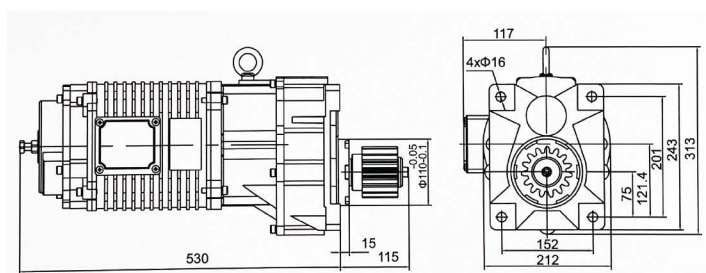


Model	Motor Output (kW x Pole)	Speed (50Hz)	Output Gear (Module x Teeth)
BM-200 (Ratio 16:1) 3P 380V	1.5kW x 4P	92 rpm	M4 x 13T , *
	1.1kW x 4P	92 rpm	*
	1.1kW x 6P	61 rpm	*
	0.75/0.25kW x 4/12P	92/30 rpm	*
BM-200 QX (Ratio 16:1) 3P 380V	2.2kW x 4P	92 rpm	*
	1.5kW x 6P	61 rpm	*

*Can be changed upon request.

Module: M3, M3.5, M4; Teeth: 10T, 12T, etc.

Technical Parameters

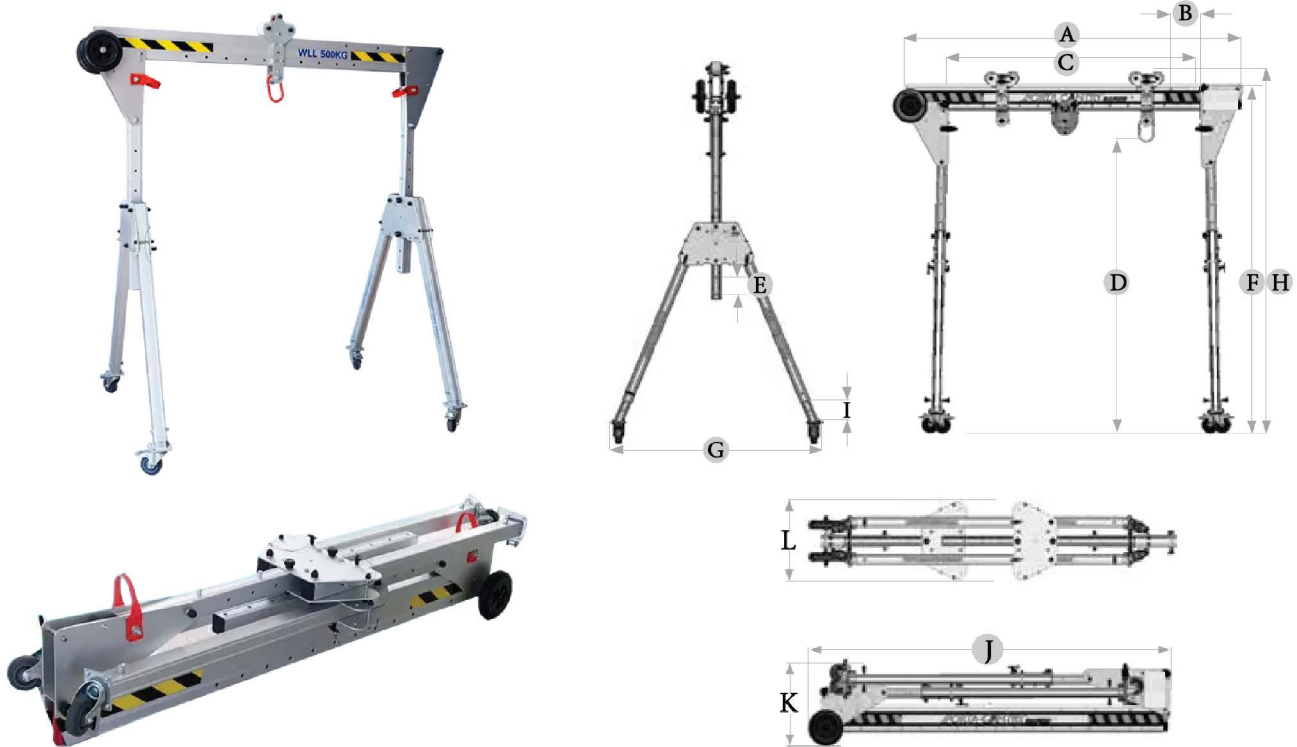


Model	Motor Output (kW x Pole)	Speed (50Hz)	Output Gear (Module x Teeth)
BM-300 (Ratio 16:1) 3P 380V	2.2kW x 4P	92 rpm	*
	1.5kW x 6P	61 rpm	*
	1.5/0.5kW x 4/12P	92/30 rpm	*

*Can be changed upon request.

Module: M3, M3.5, M4; Teeth: 10T, 12T, etc.

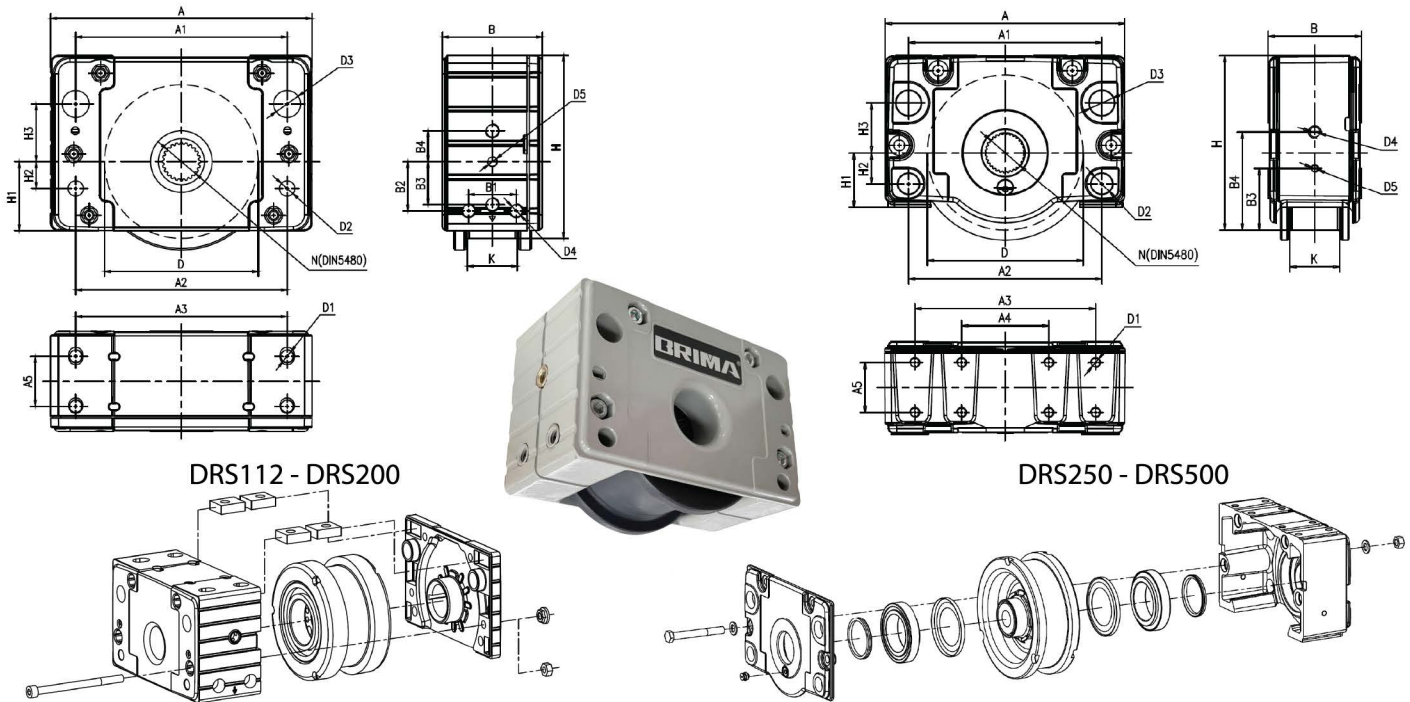
Portable Gantry Crane - Model PRG



Model	Rated Load (kg)	Dimension (mm)											Net Weight (kg)	
		A	B	C	D	E	F	G	H	I	J	K		L
PRGS20	500	2,000	2 x 200	1,100 - 1,500	1,450 - 2,050	6 x 100	1,776 - 2,376	1,158	1,856 - 2,456	100	2,080	420	440	33
PRGS23	400	2,300	3 x 200	1,200 - 1,800							2,380			35
PRGS40	250	4,000	4 x 200	2,700 - 3,500							4,080			40
PRGM20	400	2,000	2 x 200	1,100 - 1,500	1,454 - 2,154	7 x 100	1,780 - 2,480	1,215	1,860 - 2,560	100	2,080	420	440	35
PRGM23	400	2,300	3 x 200	1,200 - 1,800							2,380			36
PRGM40	250	4,000	4 x 200	2,700 - 3,500							4,080			41
PRGT20	250	2,000	2 x 200	1,100 - 1,500	1,928 - 2,928	10 x 100	2,254 - 3,254	1,586	2,334 - 3,334	100	2,645	420	440	39
PRGT23	250	2,300	3 x 200	1,200 - 1,800							2,380			40
PRGT40	250	4,000	4 x 200	2,700 - 3,500							4,080			45
PRG1S20	1,000	2,000	2 x 200	1,102 - 1,502	1,430 - 1,930	5 x 100	1,822 - 2,322	1,270	1,904 - 2,404	100	2,077	464	536	45
PRG1S30	1,000	3,000	3 x 200	1,902 - 2,502							3,077			53
PRG1S40	500	4,000	3 x 200	2,902 - 3,502							4,077			58
PRG1M20	1,000	2,000	2 x 200	1,102 - 1,502	1,740 - 2,440	7 x 100	2,061 - 2,761	1,484	2,143 - 2,843	100	2,200	464	536	49
PRG1M30	1,000	3,000	3 x 200	1,902 - 2,502							3,077			54
PRG1M40	500	4,000	3 x 200	2,902 - 3,502							4,077			59
PRG1T20	1,000	2,000	2 x 200	598 - 1,050	1,980 - 2,880	9 x 100	2,301 - 3,201	1,698	2,383 - 3,383	100	2,830	464	536	53
PRG1T30	1,000	3,000	3 x 200	1,417 - 2,017							3,077			58
PRG1T40	500	4,000	3 x 200	2,385 - 2,985							4,077			62

Crane Wheel Block DRS Series

European Crane Wheel Block - Model DRS



Model	Dimension (mm)													Max. Load (kN)
	D	A	B	H	K	H1	H2	H3	H4	B1	B2	B3	B4	
DRS112	112	190	96	131	60	47	30	40	80	40	30	-	24	27.5
DRS125	125	220	98	147.5	60	53.5	20	40	100	50	37	-	37.5	50
DRS160	160	275	110	187	65	70	25	55	100	54	47.5	-	20	70
DRS200	200	340	130	238	65	90	35	75	100	62	64	56	40	100
DRS250	250	385	150	281	75	89	50	80	-	-	-	100	-	160
DRS315	315	470	180	349.5	90	114	70	80	-	-	-	100	130	220
DRS400	400	580	210	440	100	144	95	130	-	-	-	100	130	300
DRS500	500	700	240	566	110	183	110	160	-	-	-	100	130	400

Model	Dimension (mm)											Net Weight (kg)
	A1	A2	A3	A4	A5	D1	D2	D3	D4	D5	N (DIN5480)	
DRS112	145	145	145	-	45	4 x M12	10.5	18.5	4 x M12	2 x M12	W30 x 1.25 x 30 ⁰ x 22 x 7H	10.0
DRS125	175	175	170	-	55	4 x M12	13	21	4 x M12	2 x M12	W30 x 1.25 x 30 ⁰ x 22 x 7H	15.0
DRS160	220	220	220	-	55	4 x M16	17	30	4 x M16	2 x M12	W45 x 2 x 30 ⁰ x 21 x 7H	26.0
DRS200	275	275	275	-	65	4 x M16	20	35	8 x M16	2 x M12	W50 x 2 x 30 ⁰ x 24 x 7H	41.0
DRS250	310	310	290	140	80	8 x M16	34	40	-	2 x M12	W65 x 2 x 30 ⁰ x 31 x 7H	70.0
DRS315	370	370	360	180	100	8 x M16	40	50	2 x M20	2 x M12	W65 x 2 x 30 ⁰ x 31 x 7H	130.0
DRS400	450	450	440	210	120	8 x M20	31	65	2 x M20	2 x M12	W90 x 3 x 30 ⁰ x 28 x 7H	220.0
DRS500	580	580	620	480	125	8 x M20	31	70	2 x M20	2 x M12	W90 x 3 x 30 ⁰ x 28 x 7H	380.0

Explosion-proof Electric Chain Hoist - Model BMFB (2-direction)



Model	Rated Load (ton)	Load Chain		Lifting Speed (m/min)	Lifting Motor Output (kW)	Min. Headroom (mm)
		Dia. (mm)	No. of falls			
BMFB0101	1.0	7.1	1	6.6	1.5	650
BMFB01501	1.5	10.0	1	8.8	3.0	800
BMFB0201	2.0	10.0	1	6.6	3.0	800
BMFB02501	2.5	11.2	1	6.6	3.0	845
BMFB0301	3.0	11.2	1	5.4	1.5	845
BMFB0502	5.0	11.2	2	2.7	3.0	1,030
BMFB1004	10.0	11.2	4	2.7	2 x 3.0	1,400

Explosion-proof Electric Chain Hoist - Model BMFB (4-direction)



Model	Rated Load (ton)	Load Chain		Lifting		Traversing		Beam Width (mm)	Min. Headroom (mm)
		Dia. (mm)	No. of falls	Speed (m/min)	Motor Output (kW)	Speed (m/min)	Motor Output (kW)		
BMFB0101	1.0	7.1	1	6.6	1.5	11 or 21	0.4	58 - 153	650
BMFB01501	1.5	10.0	1	8.8	3.0	11 or 21	0.4	82 - 178	770
BMFB0201	2.0	10.0	1	6.6	3.0	11 or 21	0.4	82 - 178	770
BMFB02501	2.5	11.2	1	6.6	3.0	11 or 21	0.75	100 - 178	830
BMFB0301	3.0	11.2	1	5.4	1.5	11 or 21	0.75	100 - 178	830
BMFB0502	5.0	11.2	2	2.7	3.0	11 or 21	0.75	100 - 178	1,015
BMFB07503	7.5	11.2	3	1.8	3.0	11 or 21	0.75	100 - 178	1,200
BMFB1004	10.0	11.2	4	2.7	2 x 3.0	11 or 21	2 x 0.75	150 - 220	1,190

Low-headroom Ex-proof Electric Chain Hoist - Model BMFB (4-direction)

Model	Rated Load (ton)	Load Chain		Lifting		Traversing		Beam Width (mm)	Min. Headroom (mm)
		Dia. (mm)	No. of falls	Speed (m/min)	Motor Output (kW)	Speed (m/min)	Motor Output (kW)		
BMFB0101	1.0	7.1	1	6.6	1.5	11 or 21	0.4	58 - 153	480
BMFB01501	1.5	10.0	1	8.8	3.0	11 or 21	0.4	82 - 178	570
BMFB0202	2.0	7.1	2	3.3	1.5	11 or 21	0.4	82 - 178	535
BMFB02501	2.5	11.2	1	6.6	3.0	11 or 21	0.75	100 - 178	640
BMFB0301	3.0	11.2	1	5.4	1.5	11 or 21	0.75	100 - 178	640
BMFB0502	5.0	11.2	2	2.7	3.0	11 or 21	0.75	100 - 178	740
BMFB07503	7.5	11.2	3	1.8	3.0	11 or 21	0.75	100 - 178	890
BMFB1004	10.0	11.2	4	2.7	2 x 3.0	11 or 21	2 x 0.75	150 - 220	890

Ex Mark :

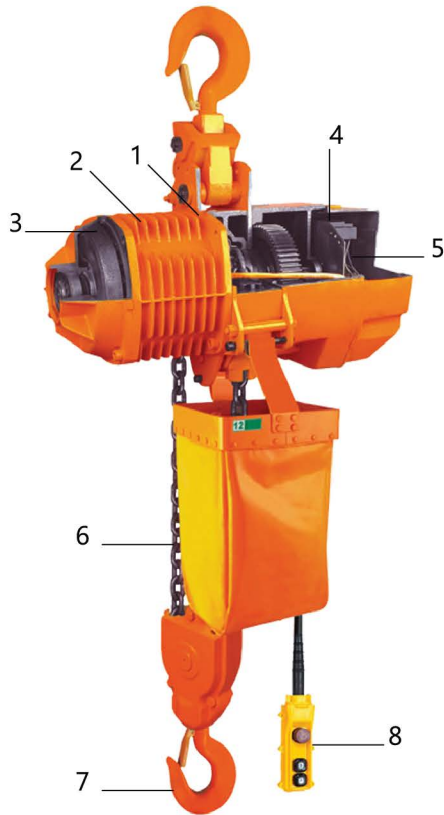
Hoist - Ex db IIB T4 Gb / Ex tb IIIC T135°C IP65
Trolley - Ex d IIC T4 Gb / Ex tD A21 T130°C IP65



Electric Chain Hoist

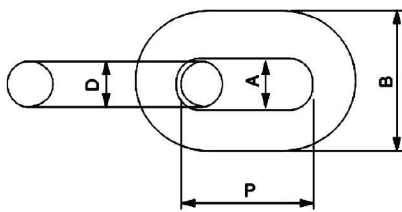
Scan to download
E-Catalog





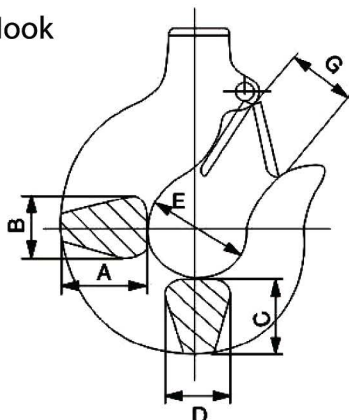
- 1 - Support frame : The loading support frame consists of two steel plates, which is extremely sturdy.
- 2 - Shell : It is made of light aluminum alloy shell, light but hard. The cooling fin is specially designed to ensure quick heat dissipation with the rate up to 40% and continuous working. The integral enclosed structure is applicable for chemical plant, electroplate factory, etc.
- 3 - Side magnetic braking device : The magnetic force generator is the latest design which allows instant brake when electric power is cut off. Thus the braking safety while loading is guaranteed.
- 4 - Reverse phase sequence protection device : It is the special electrical part which cut the control circuit in case of wiring error in the power supply.
- 5 - Transformer : The 24VAC transformer is used to prevent unexpected accidents caused by electric leakage.
- 6 - Load chain : The chain is a Japan special heat-treated alloy steel chain (FEC80). It can be safely used in poor environments such as rain, sea water and chemicals.
- 7 - Hook : It is hot forging with perfect strength that is hard to break. The operation safety of the lower hook is ensured by its 360 degrees rotation and safety latch.
- 8 - Push button switch : Waterproof push button switch is applied and come with emergency switch. It is light and durable.

Load Chain



Model	Dia. D (mm)	Pitch P (mm)	Inside Width A (mm)	Outside Width B (mm)
BM0.5-01S	6.3	19.0	7.9	22.0
BM01-01S	7.1	21.0	8.9	25.0
BM02-01S	10.0	30.0	12.5	35.0
BM03-01S	11.2	34.0	14.0	39.0
BM05-02S				
BM7.5-03S				
BM10-04S				

Hook



Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	G (mm)
BM0.5-01S	27	18	25	17	35	28
BM01-01S	34	34	30	24	42	32
BM02-01S	46	46	39	30	49	40
BM03-01S	56	56	49	34	59	48
BM05-02S	67	67	57	44	60	48
BM7.5-03S	82	55	80	48	85	80
BM10-04S						

Electric Chain Hoist

BM Series

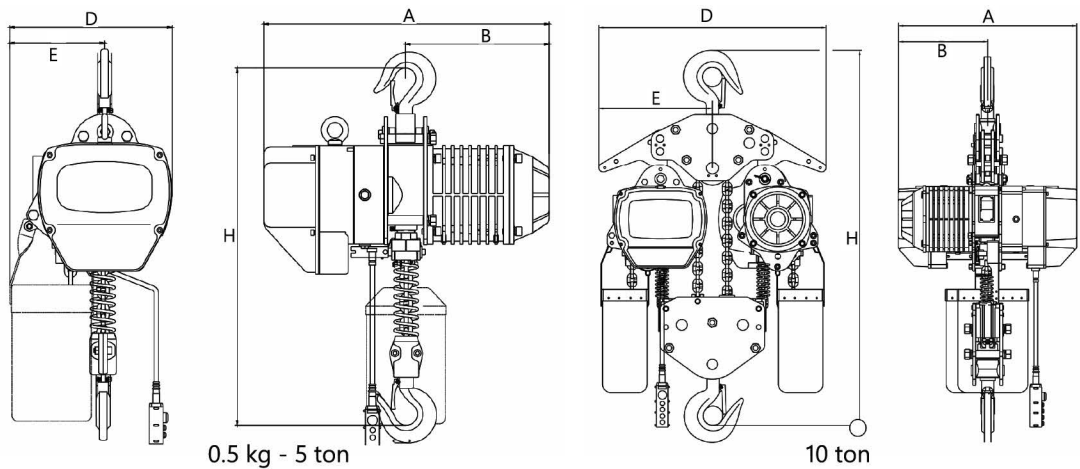


Electric Chain Hoist with Hook - Model BM-S



Main Features

- Light aluminium alloy shell, light-weight but hard, is adopted to be easy for heat dissipation
- Reverse phase sequence protection device will cut the control circuit in case of wiring error in the power supply.
- Limit switch is installed to protect overtravelling while lifting or lowering.
- 24VAC control system is used to prevent electric leakage.
- The side magnetic brake device provides immediate braking when power fails, thus ensuring safe braking during loading.
- The chain shall adopt the Japan FEC80 ultra heat-treated alloy steel chain.



Model	Rated Load (ton)	Load Chain		Lifting Speed (m/min)	Lifting Motor (kW)	Net Weight (Lift 6 m) (kg)
		Dia. (mm)	No. of fall			
BM0.5-01S	0.5	6.3	1	7.2	0.75	42
BM01-01S	1.0	7.1		6.8	1.5	61
BM02-01S	2.0	10.0		6.6	3.0	115
BM03-01S	3.0	11.2		5.6		122
BM05-02S	5.0		2	2.8		151
BM7.5-03S	7.5		3	1.8	176	
BM10-04S	10.0		4	2.8	2 x 3.0	300

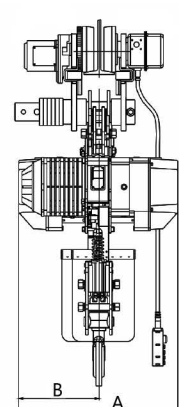
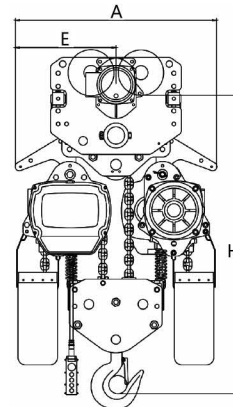
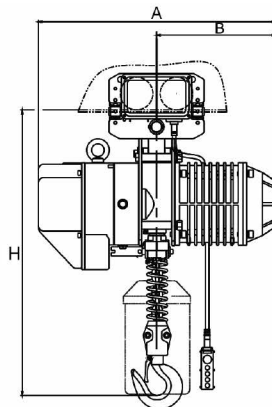
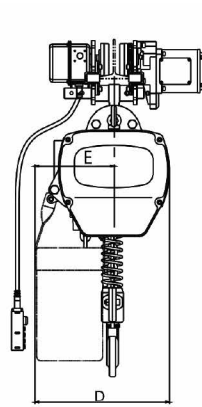
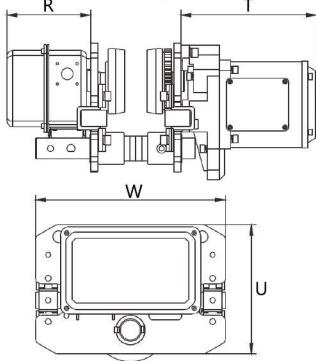
Model	Rated Load (ton)	Dimension (mm)				Min. Headroom H (mm)
		A	B	D	E	
BM0.5-01S	0.5	460	230	288	178	530
BM01-01S	1.0	520	260	300	176	650
BM02-01S	2.0	615	295	430	265	800
BM03-01S	3.0	615	295	430	265	845
BM05-02S	5.0	615	295	430	325	1,030
BM7.5-03S	7.5	615	295	505	320	1,200
BM10-04S	10.0	630	315	890	445	1,400

Electric Chain Hoist with Electric Trolley - Model BM-SET



Main Features

- Light aluminium alloy shell, light-weight but hard, is adopted to be easy for heat dissipation
- Reverse phase sequence protection device will cut the control circuit in case of wiring error in the power supply.
- Limit switch is installed to protect overtravelling while lifting or lowering.
- 24VAC control system is used to prevent electric leakage.
- The side magnetic brake device provides immediate braking when power fails, thus ensuring safe braking during loading.
- The chain shall adopt the Japan FEC80 ultra heat-treated alloy steel chain.



0.5 kg - 5 ton

10 ton

Model	Rated Load (ton)	Load Chain		Lifting Speed (m/min)	Lifting Motor (kW)	Traversing Speed (m/min)	Traversing Motor (kW)	Net Weight (Lift 6 m) (kg)
		Dia. (mm)	No. of fall					
BM0.5-01SET	0.5	6.3	1	7.2	0.75	21.0	0.4	86
BM01-01SET	1.0	7.1		6.8	1.5			102
BM02-01SET	2.0	10.0		6.6	3.0			163
BM03-01SET	3.0	11.2		5.6				184
BM05-02SET	5.0		2	2.8		234		
BM7.5-03SET	7.5		3	1.8	265			
BM10-04SET	10.0		4	2.8	440			

Model	Rated Load (ton)	Dimension (mm)								Beam Width (mm)	Min. Radius (mm)	Min. Headroom H (mm)
		A	B	D	E	R	T	U	W			
BM0.5-01SET	0.5	460	230	288	178	142	231	212	315	58 - 153	0.7	635
BM01-01SET	1.0	520	260	300	176	142	231	212	315	58 - 153	0.8	650
BM02-01SET	2.0	615	295	430	265	142	231	220	325	85 - 178	0.9	770
BM03-01SET	3.0	615	295	430	265	142	231	250	340	100 - 178	1.0	830
BM05-02SET	5.0	615	295	430	325	142	231	291	400	100 - 178	1.5	1,015
BM7.5-03SET	7.5	615	295	505	320	142	231	291	400	100 - 178	1.8	1,200
BM10-04SET	10.0	630	315	890	445	142	231	371	500	150 - 220	2.0	1,400



Air Hoist
Air Trolley

Scan to download
E-Catalog

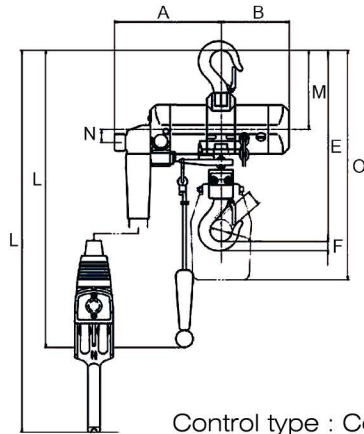


Regular Type Air Chain Hoist - Model TCR (250 kg)

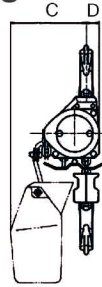


TCR-250DPE

Technical Parameters



Control type : Cord (C)



Main Features

- Precise variable speed control
- Classification (ISO) : M4
- Compact design
- Lightweight aluminum housing
- Failsafe automatic internal disc brake
- Overtraveling limiter
- Alloy safety swivel hook with safety latch

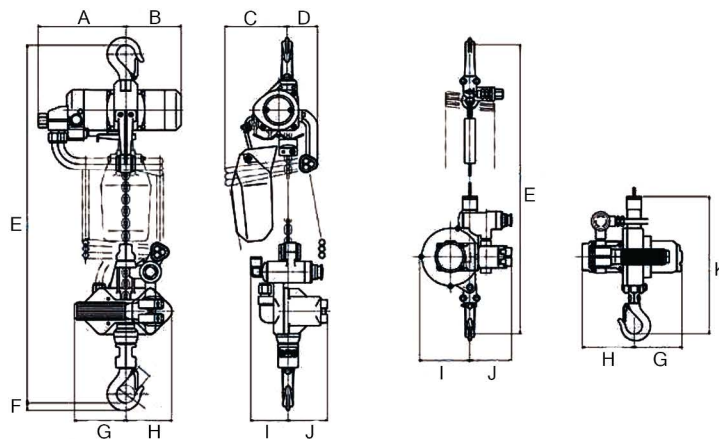


Manipulator Type Air Hoist - Model TCR (250 kg) / TMM (140 kg)



TCR-250ME

Technical Parameters



TMM-140AE

Model	Rated Load (kg)	Load Chain (Wire Rope)		Lifting Speed (m/min)		Air Consumption (m ³ /min)		Air Pressure (Bar)	Min. Headroom E (mm)	Hose Size (mm)	Net Weight (Lift 3 m) (kg)
		Dia. (mm)	No. of falls	Up	Down	Up	Down				
TCR-250DPE	250	4.0	1	8.1	16.5	0.7	0.8	4 - 6	305	9.5	7.0
TCR-250C				9.0	17.4	0.8	0.9		9.6		
TCR-250ME				8.0	16.5	0.7	0.8		11.2		
TMM-140AE	140	(4.0)	(1)	11.0	18.0	0.63	0.65		305		10.0 (Lift 2 m)

* For manipulator type, left-handed operation by changing handle direction

Model	Rated Load (kg)	Dimension (mm)													
		A	B	C	D	F	G	H	I	J	K	L	M	N	O
TCR-250DPE	250	174	112	124	21	15	-	-	-	-	-	2,414	130	21	375
TCR-250C		135										1,660			
TCR-250ME		175		123	61							102	92	74	
TMM-140AE	140	-	-	-	-	-	108	116	114	94	308	-	-	-	-

Air Chain Hoist TCR Series

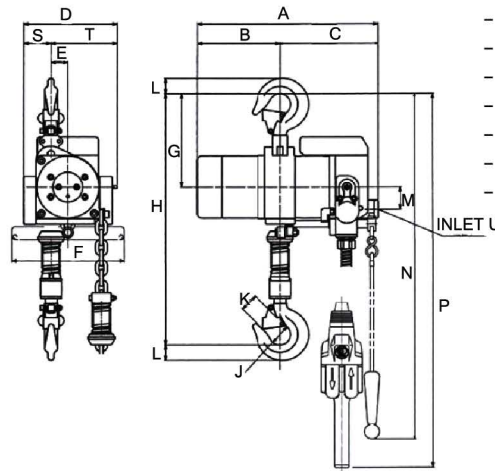


Regular Type Air Chain Hoist - Model TCR (500 kg - 2 Ton)



TCR-1000C TCR-2000P2E

Technical Parameters



Main Features

- Built-in load limiter without loss of headroom
- Precise variable speed control
- Compact design
- Durable cast iron housing
- Failsafe automatic internal disc brake
- Overtraveling limiter
- Alloy safety swivel hook with safety latch

Control type : Cord (C)



Model	Rated Load (ton)	Load Chain		Lifting Speed (m/min)		Air Consumption (m ³ /min)		Air Pressure (Bar)	Min. Headroom H (mm)	Hose Size (mm)	Net Weight (Lift 3 m) (kg)
		Dia. (mm)	No. of falls	Up	Down	Up	Down				
TCR-500PE	0.5	6.3	1	10.0	16.0	1.4	1.6	4 - 6	462	12.7	32.1
TCR-500C				5.0	8.1						30.1
TCR-1000P2E	1.0	7.1	2	5.0	8.1	1.4	1.7	4 - 6	466	12.7	36.2
TCR-1000C2				5.8	9.3						34.2
TCR-1000PE	2.0	7.1	1	5.8	9.3	1.4	1.7	4 - 6	597	12.7	34.9
TCR-1000C				2.9	4.7						32.9
TCR-2000P2E	2.0	7.1	2	2.9	4.7	1.4	1.7	4 - 6	597	12.7	40.7
TCR-2000C2				2.9	4.7						38.7

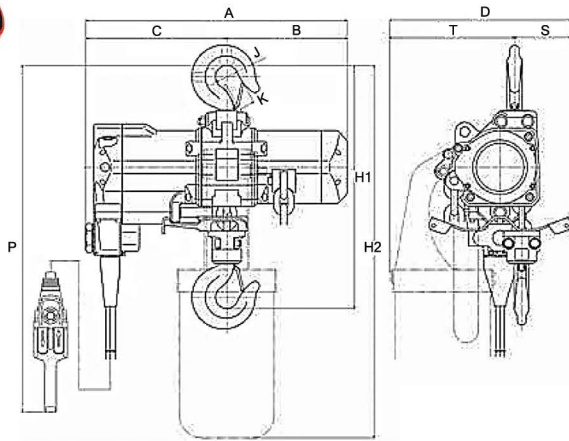
* Height of lift can be changed upon the usage.

Model	Rated Load (ton)	Dimension (mm)													
		B	C	E	F	G	J	K	L	M	N	P	S	T	U
TCR-500PE	0.5	156	186	32	-	177	40	29	29	42	-	2,620	52	124	RC 1/2
TCR-500C					212						1,860	-			
TCR-1000P2E	1.0	156	186	56	-	177	40	29	29	42	-	2,620	47	148	RC 1/2
TCR-1000C2					212						1,860	-			
TCR-1000PE	2.0	156	186	32	-	177	40	29	29	42	-	2,620	40	124	RC 1/2
TCR-1000C					212						1,860	-			
TCR-2000P2E	2.0	156	186	59	-	211	45	37	37	42	-	2,620	50	152	RC 1/2
TCR-2000C2					212						1,860	-			

Multi-Utility Type Air Chain Hoist - Model TMH (3 Ton - 30 Ton)



Technical Parameters



Main Features

- The fastest operation speed in each class
- Low head clearance
- Classification (ISO) : M4 (3 Ton to 25 Ton)
- Built-in load limiter without loss of headroom
- Precise variable speed control
- Compact design
- Durable cast iron housing
- Failsafe automatic internal disc brake
- Overtravel limiter
- Alloy safety swivel hook with safety latch
- Lubrication free hoist (Option)



Control type : Cord (C)

Model	Rated Load (ton)	Load Chain		Lifting Speed (m/min)		Air Consumption (m ³ /min)		Air Pressure (Bar)	Min. Headroom H1 (mm)	Hose Size (mm)	Net Weight (Lift 3 m) (kg)
		Dia. (mm)	No. of falls	Up	Down	Up	Down				
TMH-3000PE	3.0	13.0	1	5.4	10.5	3.5	4.3	4 - 6	537	19.0	101.4
TMH-3000C											100.4
TMH-6000P2E	6.0	16.0	2	2.7	5.2	3.3	3.9		742		132.0
TMH-6000C2											131.0
TMH-10TP2E	10.0	23.5	2	1.6	3.2	6.5	10.8	890	1,290	38.1	205.6
TMH-10TC2											205.6
TMH-25TP2E	25.0	23.5	2	1.4	3.0	6.5	10.8	5 - 6	1,290	38.1	582.8
TMH-25TC2											580.8
TMH-30TP2E	30.0	23.5	2	1.0	2.7	6.5	10.0	5 - 6	1,290	38.1	582.8
TMH-30TC2											580.8

* Height of lift can be changed upon the usage.

Model	Rated Load (ton)	Dimension (mm)							
		B	C	H2	J	K	P	S	T
TMH-3000PE	3.0	265	311	823	29	34	2,690	125	275
TMH-3000C							1,800		
TMH-6000P2E	6.0	300	267	1,500	60	40	2,752	127	331
TMH-6000C2							1,862		
TMH-10TP2E	10.0	352	356	1,473	100	71	-	530	188
TMH-10TC2							-		
TMH-25TP2E	25.0	352	356	1,473	100	71	2,980	223	805
TMH-25TC2							2,024		
TMH-30TP2E	30.0	352	356	1,473	100	71	2,980	223	805
TMH-30TC2							2,024		

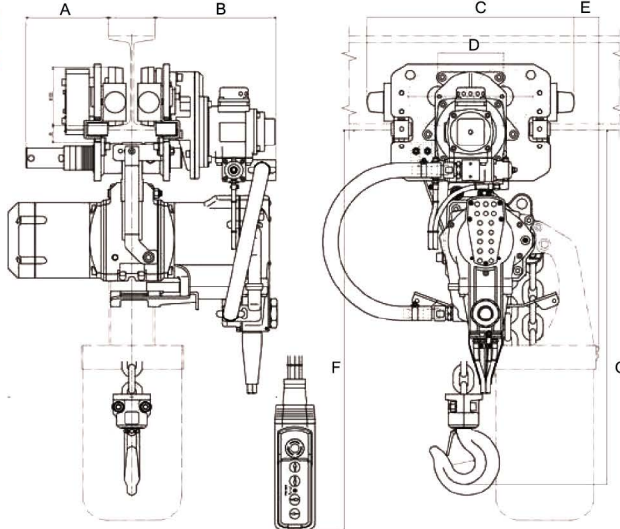
Air Chain Hoist TMTCR Series



Air Chain Hoist with Air Trolley - Model TMTCR (500 kg - 2 Ton)



Technical Parameters



Main Features

- Beam-size adjustable trolley
- 4 Button Pendant with emergency stop for hoist and trolley control
- 2 flangeless wheel and 2 drive wheels for low friction
- Automatic brake function
- Durable cast iron housing

Model	Rated Load (ton)	Lifting Hoist	Travelling Trolley	Speed (m/min)			Air Pressure (Bar)	Air Consumption (m ³ /min)		Hose Size (mm)	Net Weight (Lift 3 m) (kg)
				Up	Down	Travelling		Up	Down		
TMTCR-500PE	0.5	TCR-500PE	TMTNC-1	10.5	17.9	20.0	4 - 6	1.5	1.6	19.0	85.1
TMTCR-1000P2E	1.0	TCR-1000P2E		5.3	9.0						93.2
TMTCR-1000PE		TCR-1000PE		6.0	10.3						89.9
TMTCR-2000P2E	2.0	TCR-2000P2E	TMTNC-3	3.0	5.2			112.7			
TMTMH-3000PE	3.0	TMH-3000PE		5.4	10.5			181.4			
TMTMH-6000P2E	6.0	TMH-6000P2E	TMTNC-6	2.7	5.2			250.0			

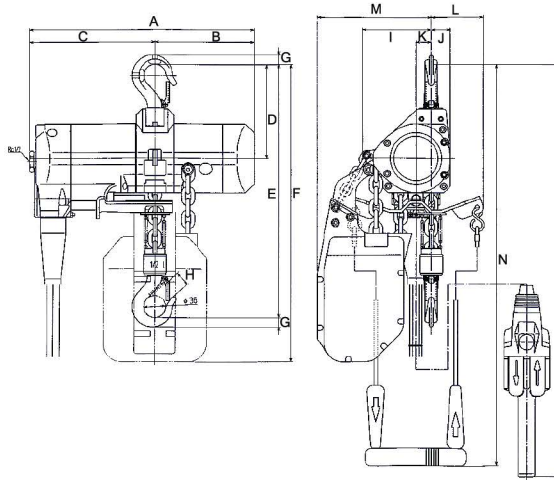
* Height of lift can be changed upon the usage.

Model	Rated Load (ton)	Dimension (mm)						Min. Headroom G (mm)	Beam Width (mm)	Min. Curve Radius (mm)
		A	B	C	D	E	F			
TMTCR-500PE	0.5	Max. 171	256	397	111.3	41	2,380	490	75 (100 / 125)	3,500 (800)
TMTCR-1000P2E	1.0							547		
TMTCR-1000PE								496		
TMTCR-2000P2E	2.0	Max. 176	260	442	140.0	51	2,400	609	100 (125 / 150)	3,500 (800)
TMTMH-3000PE	3.0							549		
TMTMH-6000P2E	6.0	Max. 209	271	502	156.0	81	2,600	706	100 / 125 / 150	2,000

Extreme High Speed Type Air Chain Hoist - Model TCS

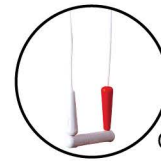


Technical Parameters



Main Features

- Extreme high speed
- Classification (ISO) : M4
- Precise variable speed control
- Compact design
- Lightweight aluminum housing
- Failsafe automatic internal disc brake
- Overtraveling limiter
- Alloy safety swivel hook with safety latch
- Lubrication free hoist (Option)



Control type : Cord (C)

Model	Rated Load (kg)	Load Chain		Liftint Speed (m/min)		Air Consumption (m³/min)		Air Pressure (Bar)	Min. Headroom E (mm)	Hose Size (mm)	Net Weight (Lift 3 m) (kg)
		Dia. (mm)	No. of falls	Up	Down	Up	Down				
TCS-250PE	250	6.3	1	34.0	63.0	1.7	2.0	6	414	12.7	21.1
TCS-250C											20.1
TCS-500PE	490			17.0	34.0						27.2
TCS-500C											
TCS-1000P2E	980		2	8.5	17.0						26.2
TCS-1000C2											

* Height of lift can be changed upon the usage.

Model	Rated Load (kg)	Dimension (mm)																					
		B	C	D	F	G	H	I	J	K	L	M	N	O									
TCS-250PE	250	161	204	151	555	15	25	112	31	25	85	197	-	2,480									
TCS-250C													1,700	-									
TCS-500PE	490												173	577	29.5	29	136	37	49	70	221	-	2,480
TCS-500C																						1,700	-
TCS-1000P2E	980			173	577	29.5	29	136	37	49	70	221	-	2,480									
TCS-1000C2													1,700	-									



KHC



Air Hoist
Air Trolley
Air Balancer
Light Track System (Steel)
Light Track System (Aluminium)

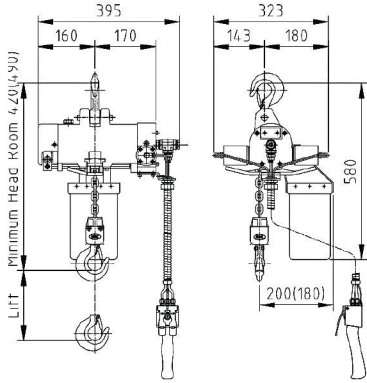
Scan to download
E-Catalog



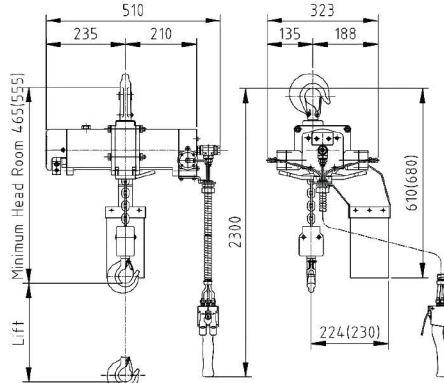


Air Chain Hoist & Air Trolley KA1 & KA2 Series

Air Chain Hoist - Model KA1S & KA2S



KA1S-025, 050 (100)



KA2S-100 (200)



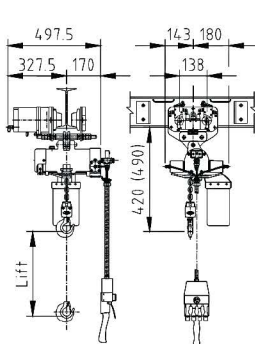
Main Features

- Superior operational efficiency and durability at high temperature, humidity and moisture
- Free speed control, low noise level and vibration
- Explosion proof at hazardous atmospheres
- Durable drum brake for safety breaking
- Compact design : light weight and portable

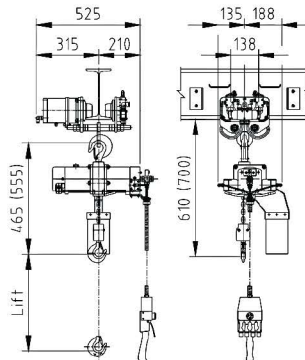
Model	Rated Load (ton)	Load Chain		Lifting Speed (m/min)				Air Pressure (Bar)	Air Consumption (m ³ /min)	Hose Dia. (mm)	Net Weight (Lift 3 m) (kg)
		Dia. (mm)	No. of falls	No Load		Rated Load					
				Up	Down	Up	Down				
KA1S-025 PB	0.25	6.3	1	17.0	13.0	10.0	19.0	6	1.4	Ø12 (L=1~10 m) Ø16 (L=10~22 m)	23
KA1S-050 PB	0.5			17.0	15.0	7.5	24.0				23
KA1S-100 PB	1.0			8.5	6.5	3.5	12.0				33
KA2S-100 PB	1.0	7.1	1	9.0	7.0	5.0	9.0	1.8	Ø12 (L=1~10 m) Ø16 (L=10~22 m)	40	
KA2S-200 PB	2.0			4.5	3.5	2.3	5.5			45	

* Height of lift can be changed upon the usage.

Air Chain Hoist with Air Trolley - Model KA1M & KA2M



KA1M-025, 050 (100)



KA2M-100 (200)

Model	Rated Load (ton)	Traversing Speed (m/min)	Net Weight (Lift 3 m) (kg)
KA1M-025 PB	0.25	10 - 25	41
KA1M-050 PB	0.5		47
KA1M-100 PB	1.0		57
KA2M-100 PB	1.0	10 - 20	78
KA2M-200 PB	2.0		86

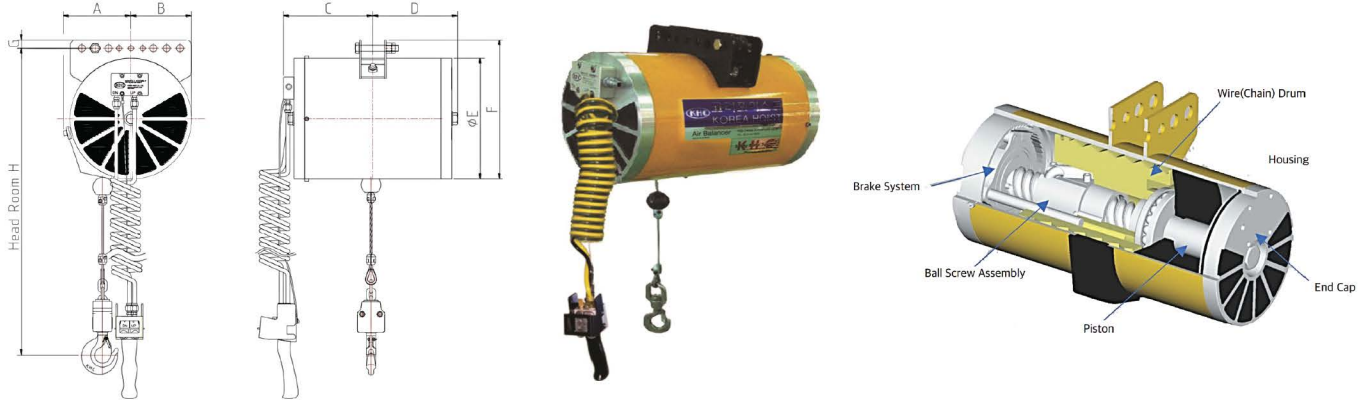
* Traversing Beam Width : 100 - 150 mm
* Min. Radius : 1,500 mm

Air Balancer

Air & Zero Balancer

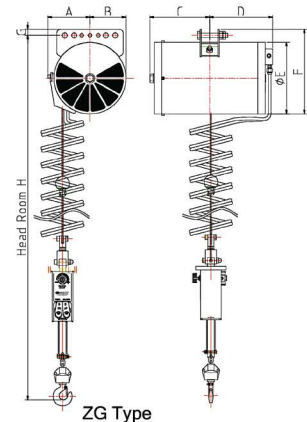
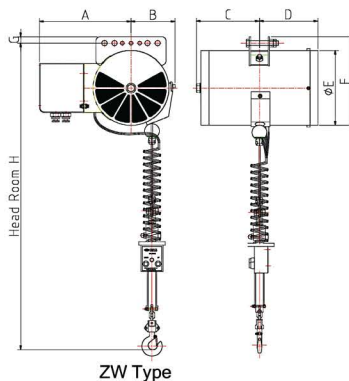


Air Balancer - Model KAB



Model	Rated Load (kg)	Lift (m)	Air Pressure (bar)	Dimension (mm)								Net Weight (kg)
				A	B	C	D	E	F	G	H	
KAB-070-200	60	2.0	7	108	108	221	214	167	214	19	600	23
KAB-100-300	100	3.0		151	130	228	220	260	307	22	700	42.5
KAB-160-200	150	2.0		172	155	228	220	310	357	22	780	40
KAB-230-200	220	2.0										

Zero Balancer - Model KAB-ZW / KAB-ZG

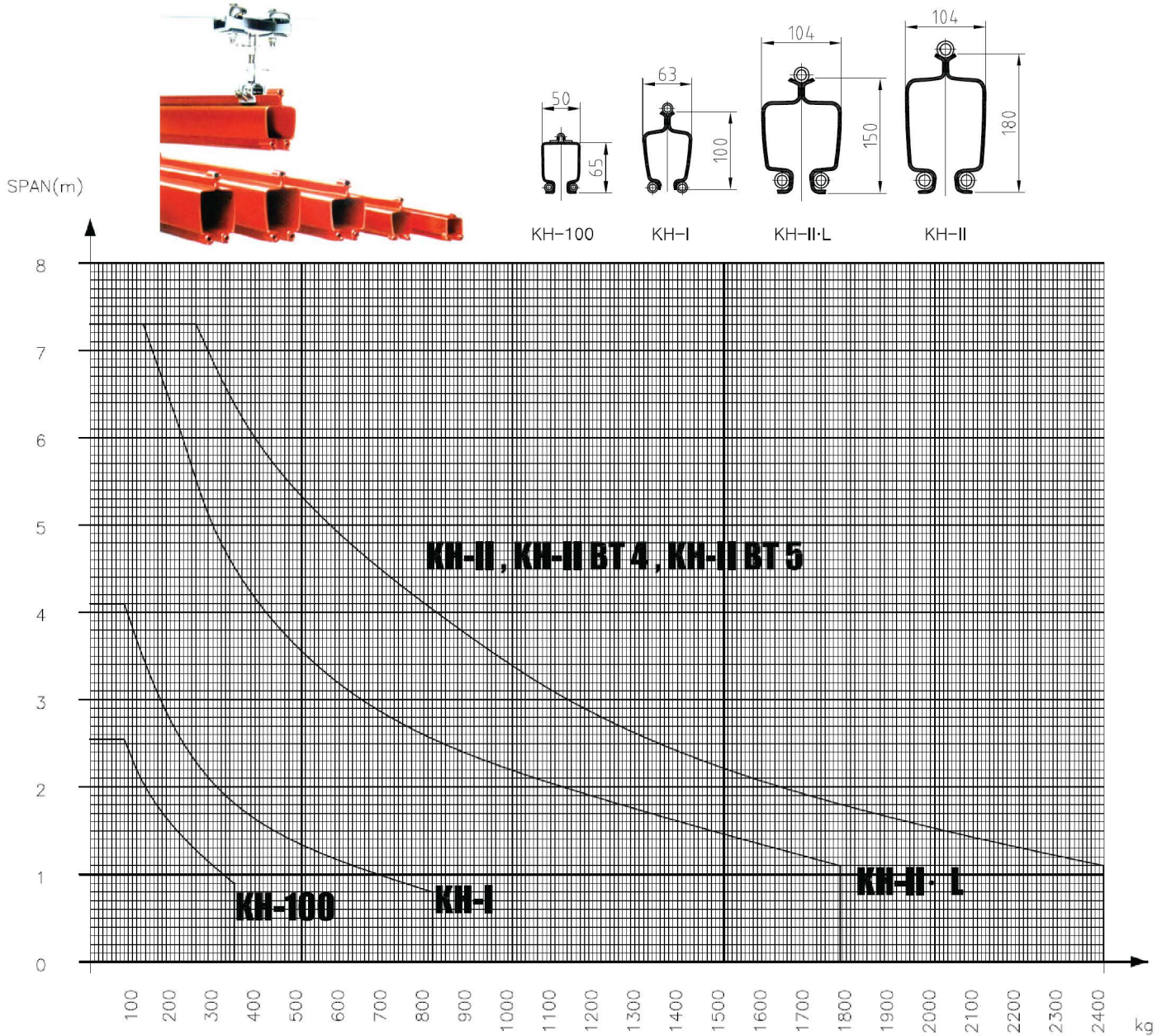


Model	Rated Load (kg)	Lift (m)	Air Pressure (bar)	Dimension (mm)								Net Weight (kg)	
				A	B	C	D	E	F	G	H		
KAB-070 ZW	60	2.0	7	267	108	214	199	167	217	19	1,000	33	
KAB-100 ZW	100	3.0		314	151	220	200	260	307	22	1,100	53	
KAB-160 ZW	153	2.0		108	108	214	221	167	214	19	1,100	50	
KAB-070 ZG	60	2.0		152	130	216	228	260	307	22	1,200	25	
KAB-100 ZG	100	3.0											45
KAB-160 ZG	153	2.0											42

* ZW Type : Dual control method - Control by 5-10% force of weight with weight sensor / Control by grip

* ZG Type : Single control method - Control by grip

Steel Track Type Light Track System - Model KH (KT)



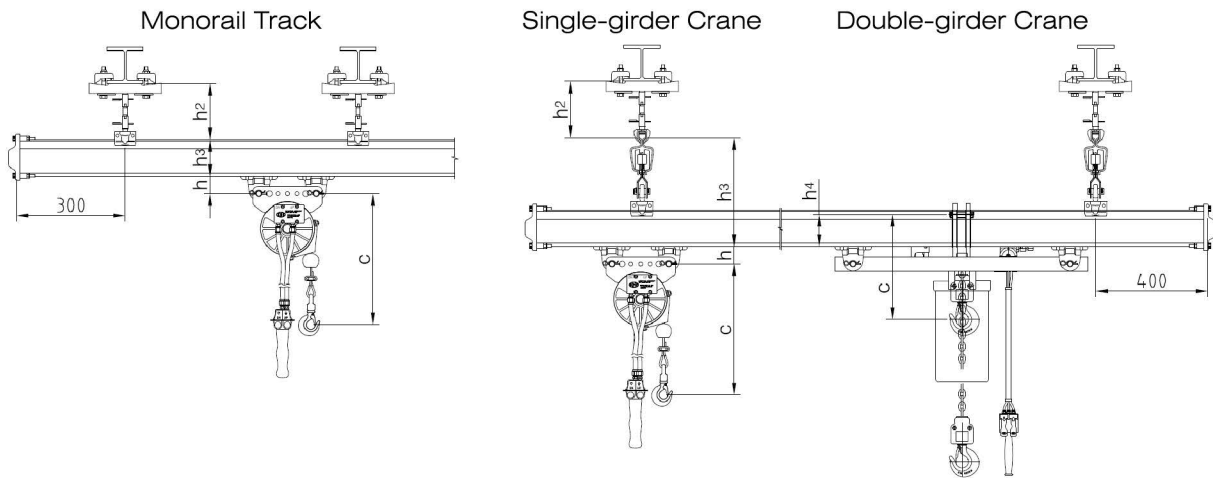
Model	Section Inertia Moment [I_x] (cm ⁴)	Adjustable Headroom (mm)	Neutral Axis Approx.	Load Capacity (kg)					Unit Weight (kg/m)	
				80	125	250	500	1,000		
KH-100	26	220	35 mm from lower edge	2.5	2.0	-	-	-	4.1	
KH-I	80	250	Section Center Line	Max. Support Distance [Span] (m)	4.1	3.3	2.3	1.3	-	6.4
KH-II-L	345	370			7.3	5.2	3.5	2.1	13.2	
KH-II	660	400			7.3	5.2	3.3	17.0		

Light Track System

Steel Track

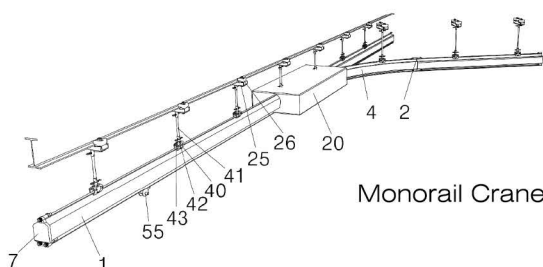
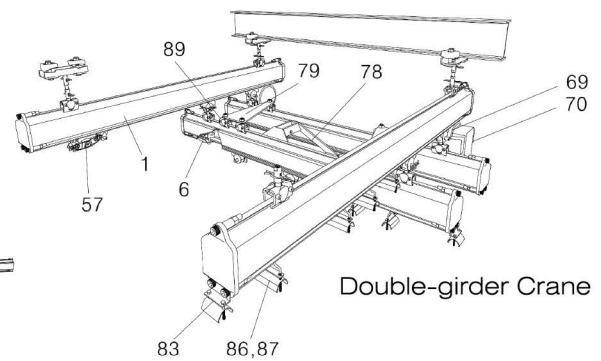
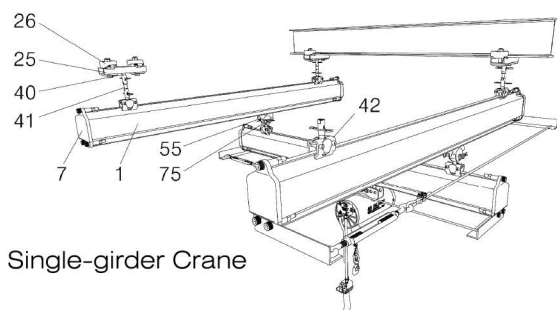


Dimension of System

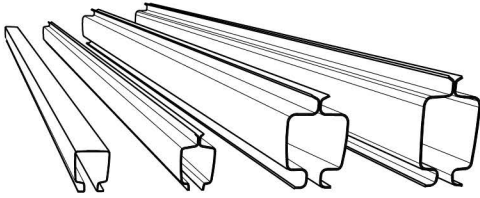


Model	h (mm)	Short Suspension Fitting	h_2 (mm)					h_4 [Crab Frame] (mm)
			Long Suspension Fitting					
			Length of Suspension Rod (mm)					
			80	100	300	600	1,000	
KH-100	50	100	155	-	375	675	1,075	-
KH-I	48	95	150	-	370	670	1,070	94.3
KH-III	46	140	-	220	420	720	1,120	169
KH-II								

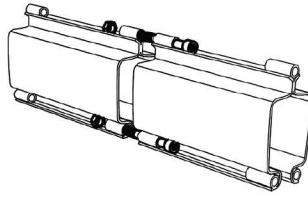
System	h_3 (mm)															
Runway	KH-100			KH-I				KH-III				KH-II				
Girder	100	I	III	100	I	III	II	100	I	III	II	100	I	III	II	
Single-girder	242	272	337	272	302	367	397	320	350	415	445	350	380	445	475	
Double-girder																
Monorail	65			100				150				180				



Steel Track Type Light Track Components



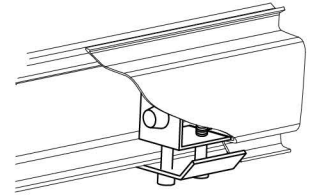
01
Straight Track



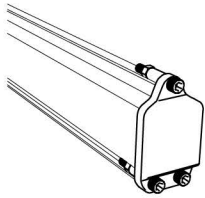
02
Joint Bolt Set



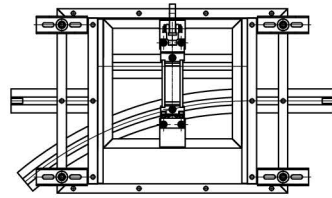
04
Curve Track



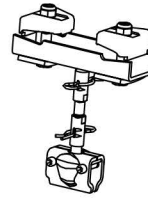
06
Internal Buffer Stop



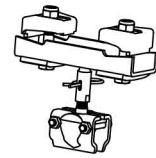
07
End Cap with Buffer



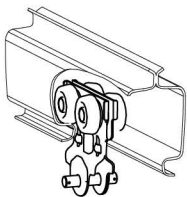
20
Track Switch



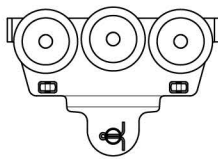
25 (X)L
Upper Suspension
Assembly
Long Type



25 (X)S
Upper Suspension
Assembly
Short Type



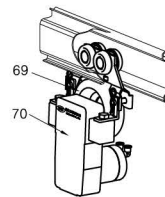
55
Trolley



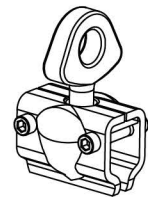
55-1
3-wheel
Trolley



57
Load Bar

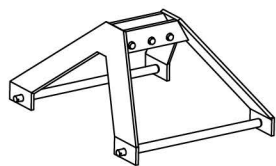


69
Trolley for
Friction Wheel

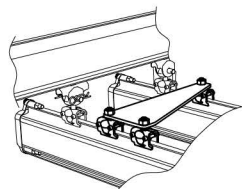


70
Friction Wheel
Travel Drive

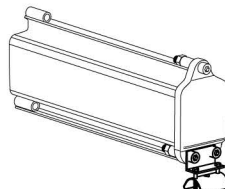
75
Crane
Suspension Eye



78
Crab Frame



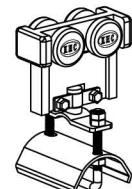
79
Bracing Frame



83
Cable Clamp



86
Hose Trolley
(Steel)



87
Cable Trolley
(Plastic)

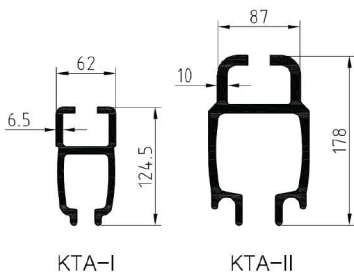
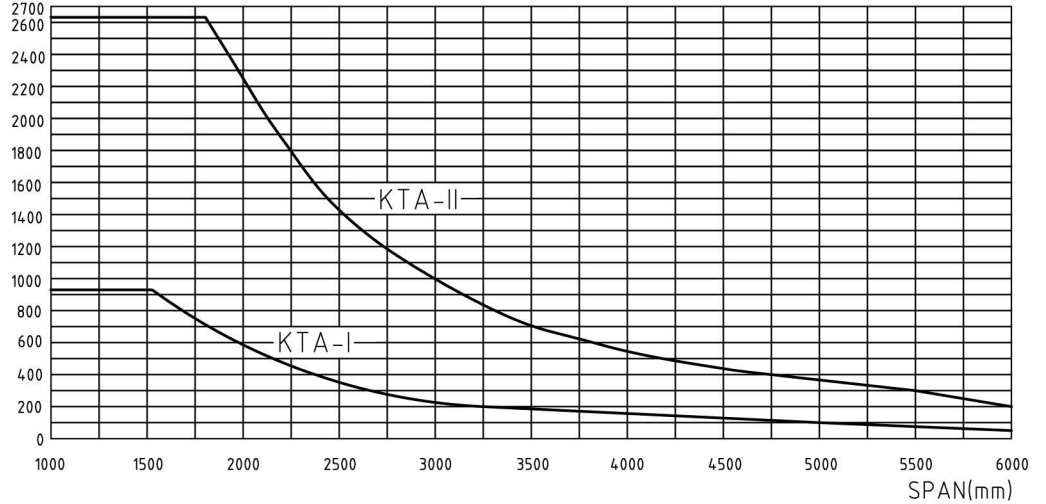
Light Track System Aluminium Track



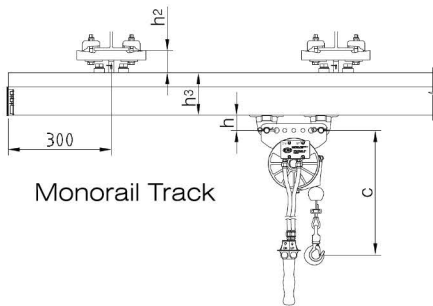
Aluminium Track Type Light Track System - Model KTA



CAPACITY(kg)

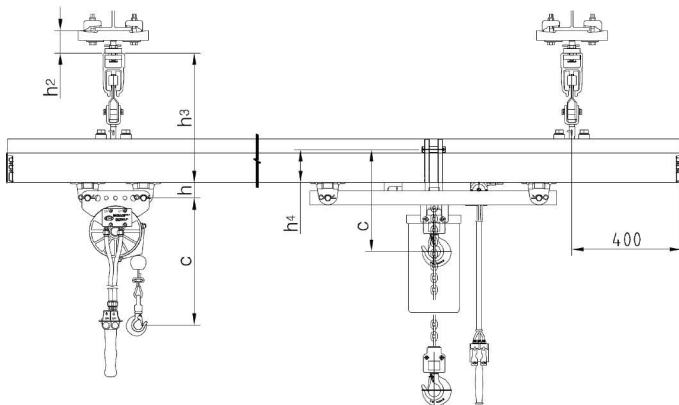


Model	Adjustable Headroom (mm)	Max. Support Distance [Span] (m)	Load Capacity (kg)					Unit Weight (kg/m)
			150	250	350	500	1,000	
KTA-I	250	-	4.1	2.8	2.5	2.3	-	5.70
KTA-II	400		-	-	5.1	4.2	3.0	11.59



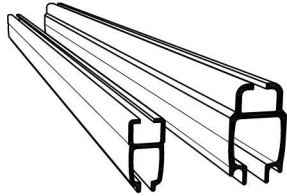
Model	h (mm)	Short Suspension Fitting	h ₂ (mm)					h ₄ (mm)
			Long Suspension Fitting					
			Length of Suspension Rod (mm)					
			80	100	300	600	1,000	
KTA-I	44	64	120	-	340	640	1,040	-
KTA-II	46	91	-	163	363	633	1,063	94.3

Single-girder Crane Double-girder Crane

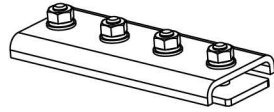


System	h ₃ (mm)			
Runway	KTA-I		KTA-II	
Girder	I	II	I	II
Single-girder	367	425	430	500
Double-girder				
Monorail	124.5		178	

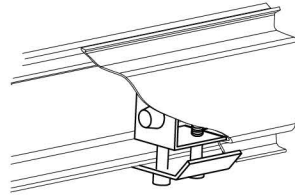
Aluminium Track Type Light Track Components



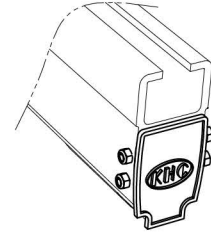
01
Straight Track



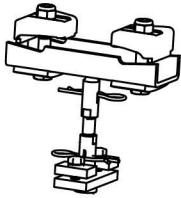
02
Joint Bolt Set



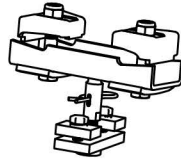
06
Internal Buffer Stop



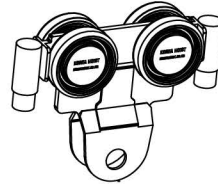
07
End Cap



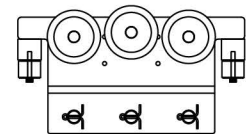
25 (X)L
Upper Suspension
Assembly
Long Type



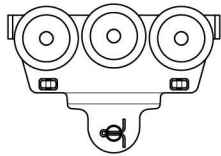
25 (X)S
Upper Suspension
Assembly
Short Type



55
Trolley



55-1
3-wheel
Trolley



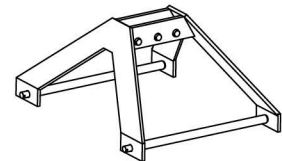
55-1
3 Wheel
Trolley



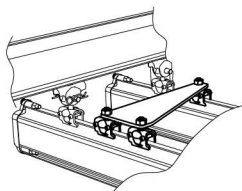
57
Load Bar



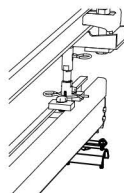
75
Crane
Suspension Eye



78
Crab Frame



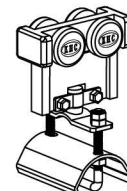
79
Bracing Frame



83
Cable Clamp



86
Hose Trolley
(Steel)

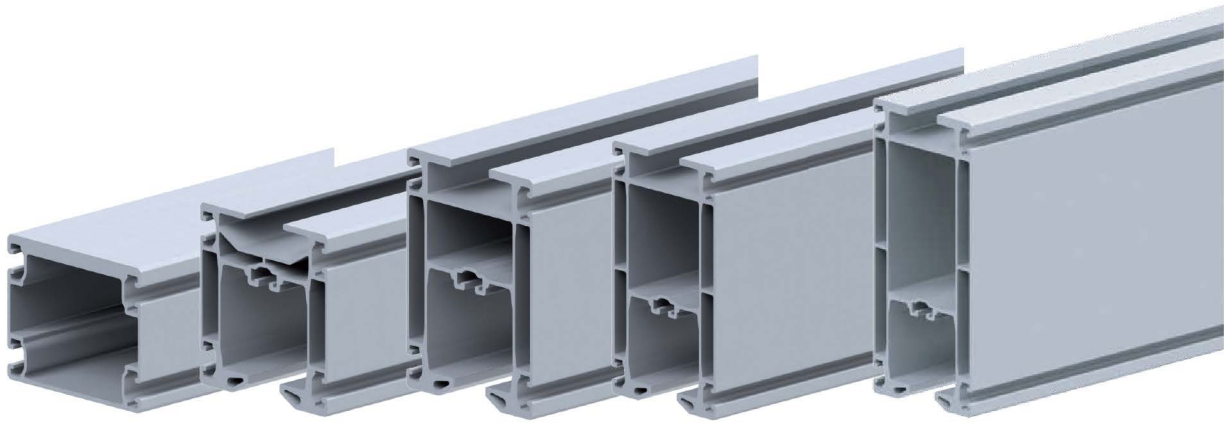


87
Cable Trolley
(Plastic)



NOVA
HOIST&CRANE

NOVA

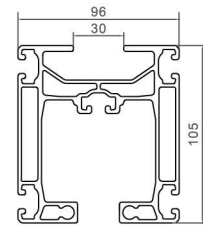
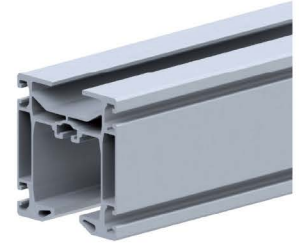
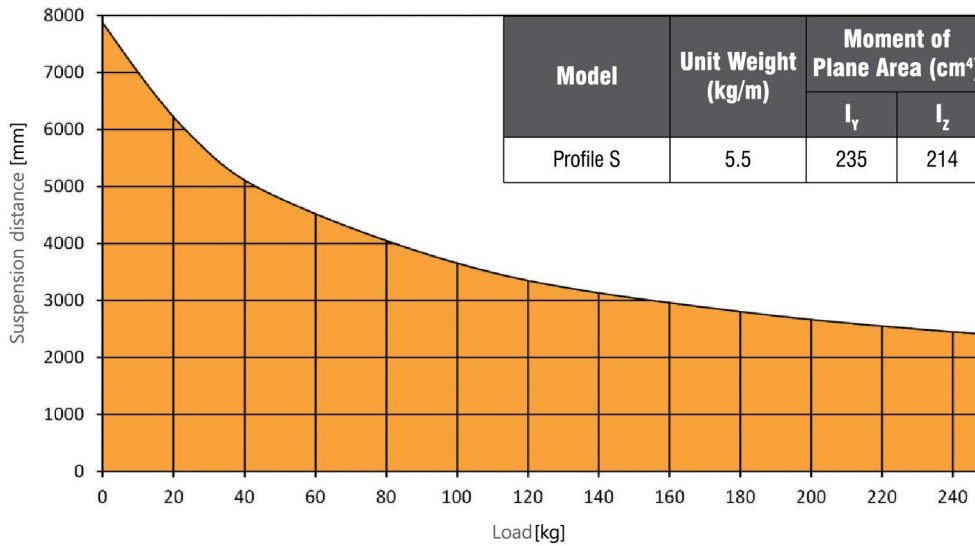


Light Track System (Aluminium)

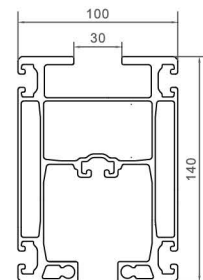
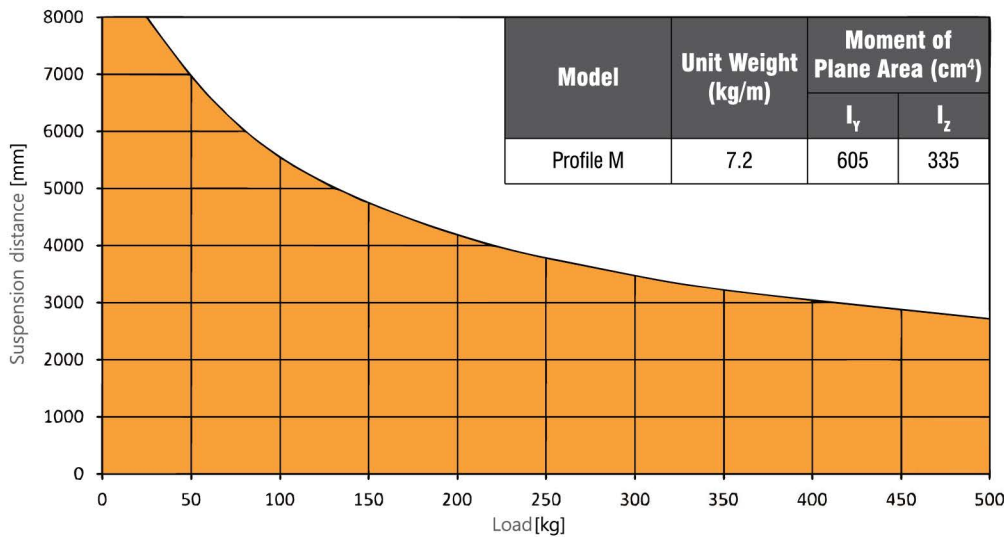
Scan to download
E-Catalog



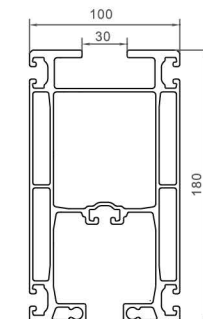
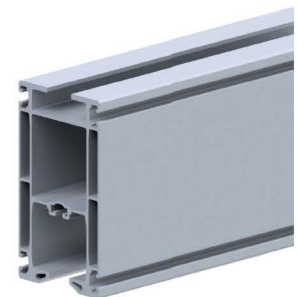
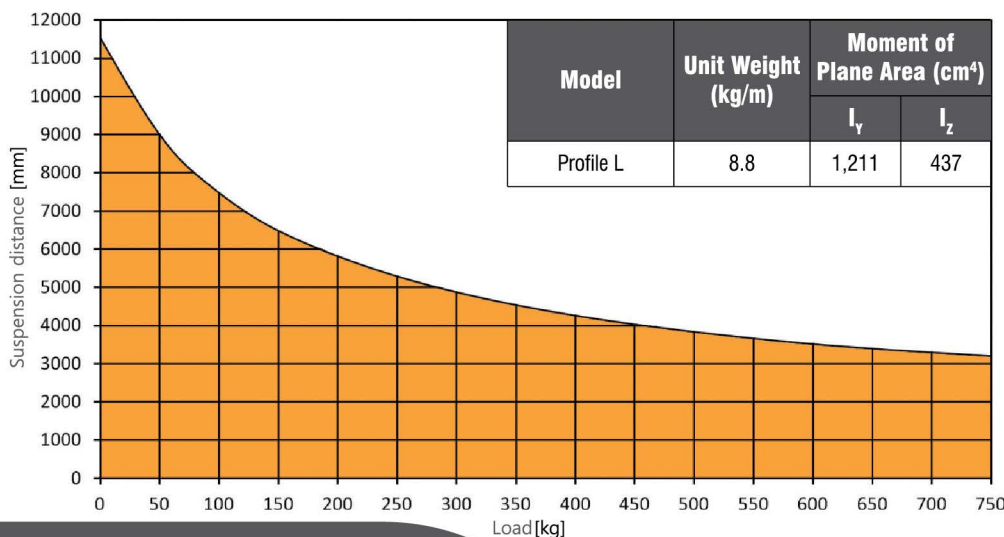
Aluminium Track - Profile S



Aluminium Track - Profile M



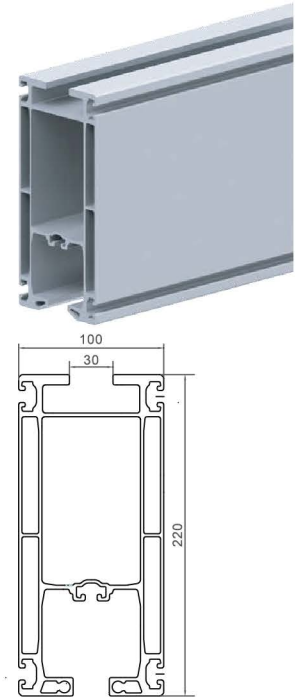
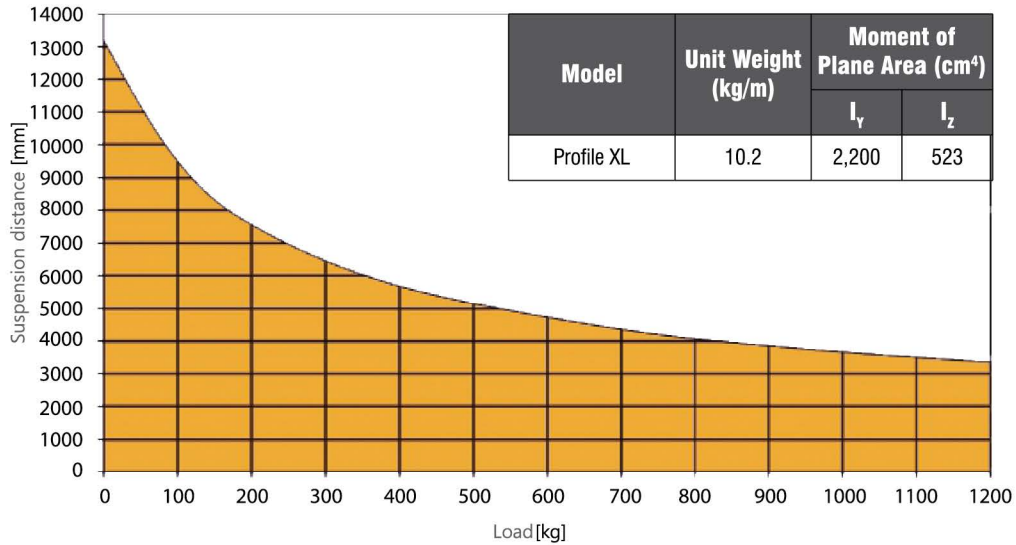
Aluminium Track - Profile L



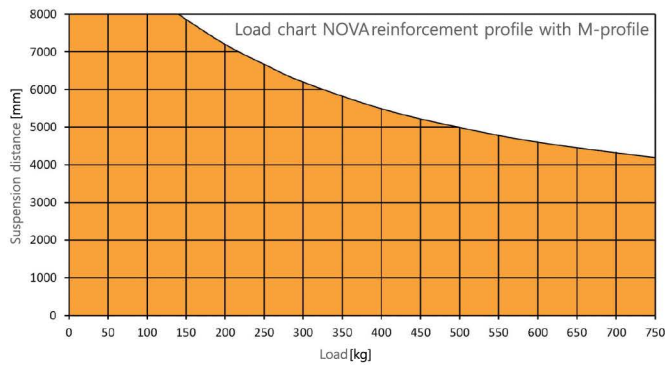
Light Track System Aluminium Track



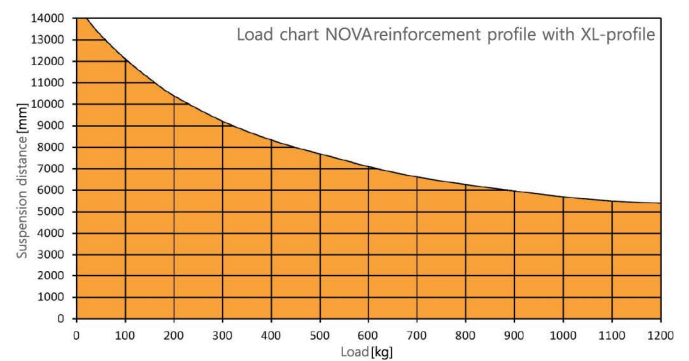
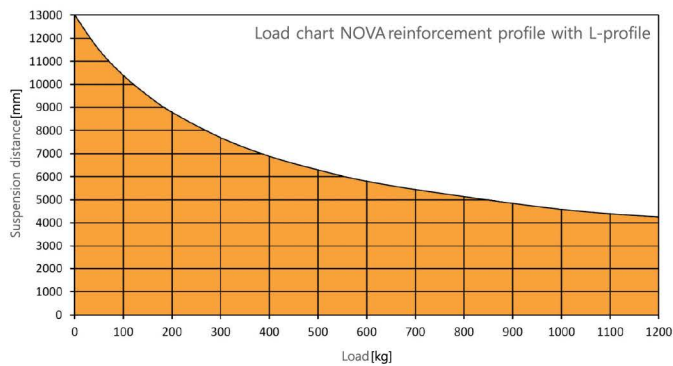
Aluminium Track - Profile XL



Reinforcement for Aluminium Track



Model	Unit Weight (kg/m)	Moment of Plane Area (cm ⁴)	
		I _y	I _z
Profile M with Reinforcement	11.2	2,141	511
Profile L with Reinforcement	12.8	3,515	619
Profile XL with Reinforcement	14.2	5,211	695



Aluminium Track Type Light Track Components



014 / 022 / 030 / 037
Light Track



045
Reinforcement



056 / 057 / 058
Pendular Mounting



059 / 060 / 061
Rigid Mounting



069 / 070 / 071 / 072
End Cap



062
Grab Trolley



064
Hinge Trolley



065
Tandem Hinge Trolley



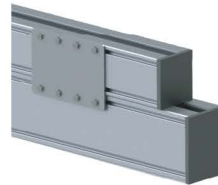
066
Tandem Grab Trolley



068
Trolley Frame



075 / 076 / 077 / 078
Joint Set
(for Light Track)



085
Joint Set
(for Reinforcement)



086 / 087 / 088 / 089
Spacer
(Exclude Light Track)



079
Crane Girder
Suspension - 0°



080
Crane Girder
Suspension - 90°



082
End Stop
(Fixed Type)



083
End Stop
(Adjustable Type)



124
Electric Trolley



107 / 110
Cable Clamp
(Flat / Round)



103 / 106
Cable Trolley
(Flat / Round)



111 / 114
Cable Tow Arm
(Flat / Round)



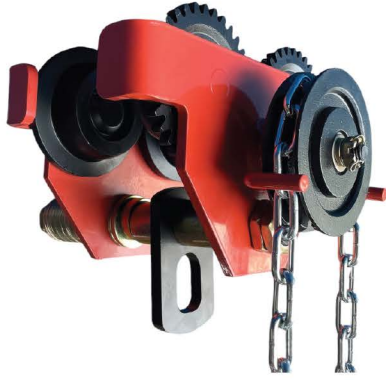
099
Safety Sling
(Runway)



100
Safety Sling
(Girder)



101
Safety Sling
(Hoist)



Manual Hoist
Manual Trolley

Scan to download
E-Catalog



All-steel Construction & Premium Power Coated Finish :

Impact resistant all-steel construction ensures added durability and protection, featuring a specifically designed long lasting powder coat finish, for providing a long and dependable service life even in harsh environments.

Upgrade High-strength Alloy Side Plates :

The load carrying side plates carry most of the load on the hoist. Our side-plates are 20% stronger because we upgraded to alloy steel rather than carbon steel like most competitors. This gives our product the strongest structure in the industry.

Caged & Sealed Roller Bearing :

The roller bearings provides smooth, controlled operation of the gears and shafts. This ensures maintenance-free lubrication and increased efficiency.

Weston-style Brake System :

The load brake system has a chrome plated twin ratchet pawl brake design to reduce rusting. Fusing one brake disc to each side of the pawl allows the load to be divided between two disc and helps eliminates premature brake-disc failure.

High Performance Lithium Grease :

The lithium grease effectively prolongs the re-lubrication interval, even under conditions of heavy loading.

Heavy-duty Black Phosphate Chain :

The hardened steel load chain we manufacture is 100% load-tested and features an industry-leading Black Phosphate finish, providing maximum corrosion protection compared to ordinary black oxide and nickel plating. Our Grade 100 load chain also has smaller, more compact links that are 25% stronger than Grade 80 load chain.

360-degree Hook Rotation :

The 360 Degree swivel hook design allows the operator to work in confined spaces with quick and easy positioning of the hoist in any directions.

Forged Identity Markings :

We are one of the only manufacturers to embed our identifying marks, batch number, and the rated hoist's capacity directly onto the sides of the hook during the drop forge process. This ensures traceability, which is a key component of being an ISO certified manufacturer.

Hook Strength Pads :

Small raised pads at the base and tip of each hook are permanent measuring points to check the hook's throat opening for signs of "stretching"—an indication that the hoist has been overloaded and that the hook should be replaced.

Heavy-duty Cast Steel Safety Latch :

This new heavy-duty cast-steel safety latch design bulk up the base of the latch where the torque and side load stresses are greatest, this is where ordinary stamped latches fail and will bend out of compliance. The latch also has a bolt-and-lock nut connection which simplifies changing latches in the field.



Manual Chain Hoist ACH Series

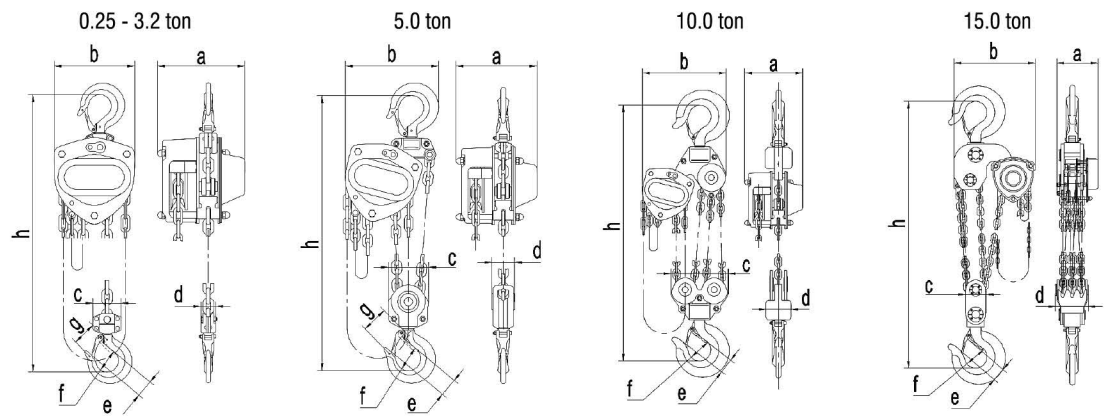
Manual Chain Hoist - Model ACH (TH. Spec)



Main Features

- Impact resistant, all high strength alloy steel construction
- High performance Lithium grease
- Dual pawl & Dual brake disc for brake system
- Caged & Sealed roller bearing
- Swivel hooks with cast safety latch
- Electrophoresis, black phosphate finished G100 load chain
- Complied with ANSI / ASME B30.16 & HST-2 Standards

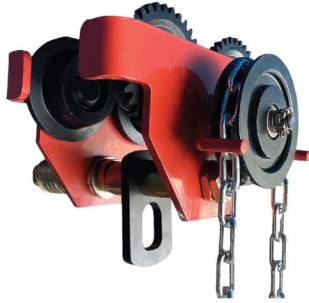
Technical Parameters



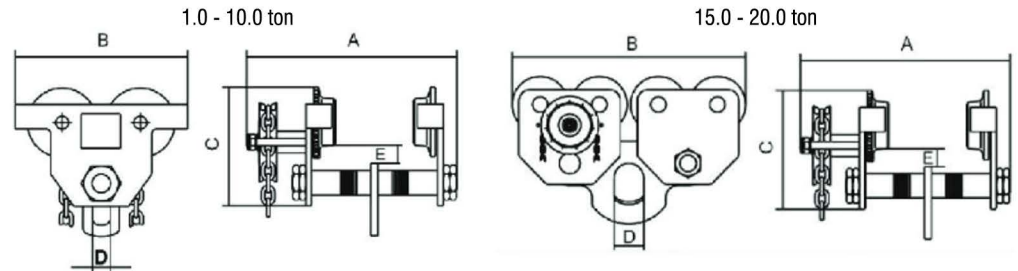
Model	Rated Load (ton)	Load Chain		Pulling Effort (N)	Dimension (mm)								Test Load (ton)	Net Weight (Lift 6 m) (kg)
		Dia. (mm)	No. of falls		a	b	c	d	e	f	g	h		
ACH-0025	0.25	V 4.0	1	220	96	109	29.5	21	27	32	35.5	250	0.375	3.9
ACH-005	0.5	V 5.0		260	130	139.5	43	25	27	32	35	285	0.75	10.8
ACH-010	1.0	V 6.3		308	161	161	51	30	33	40	45	295	1.5	12.4
ACH-015	1.5	V 7.1		348	170	182	64	34	33.5	42	47	350	2.25	15.6
ACH-020	2.0	V 8.0		379	183.5	202.5	64	34	37	46	52	375	3.0	20.0
ACH-032	3.2	V 10.0		381	190.5	235	68.5	38.6	43	49.5	62	485	4.8	27.4
ACH-050	5.0	V 10.0	2	353	192	282	133	64	51	60	79	600	7.5	41.0
ACH-100	10.0		4	379	192	360	263	95	64	85		760	15.0	99.1
ACH-150	15.0		6	409	220	492	110	170	80	100		1,000	22.5	153.0
ACH-200	20.0		8	445	230	655	286	123	82	110		1,150	25.0	205.0

* Height of lift can be changed upon the usage.

Geared Trolley - Model AGT



Technical Parameters



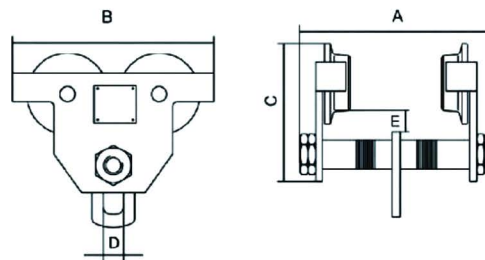
Model	Rated Load (ton)	Beam Width (mm)	Min. Curve Radius (m)	Dimension (mm)					Test Load (ton)	Net Weight (H.C. 3 m) (kg)
				A	B	C	D	E		
AGT-010	1.0	64 - 203	1.0	344	257	181	30	23.5	1.5	17.0
AGT-020	2.0	88 - 203	1.1	362	300	214.5	36	23.5	3.0	23.5
AGT-030	3.0	100 - 203	1.3	383	340	252	45	32.5	4.5	38.7
AGT-050	5.0	114 - 203	1.4	416	380	290	60	28	7.5	55.7
AGT-100	10.0	125 - 210	1.7	461	389	364.5	80	48	15.0	93.0
AGT-150	15.0			480	789	364.5	100	48	22.5	176.0
AGT-200	20.0			480	789	364.5	100	48	30.0	191.0

* Length of hand chain (H.C.) can be changed upon the usage.

Plained Trolley - Model APT



Technical Parameters



Model	Rated Load (ton)	Beam Width (mm)	Min. Curve Radius (m)	Dimension (mm)					Test Load (ton)	Net Weight (kg)
				A	B	C	D	E		
APT-005	0.5	50 - 152	1.0	230	218	155	24	21.7	0.75	7.1
APT-010	1.0	64 - 203	1.0	296	257	181	30	23.5	1.5	12.8
APT-020	2.0	88 - 203	1.1	313	300	214.5	36	23.5	3.0	18.8
APT-030	3.0	100 - 203	1.3	334	340	252	45	32.5	4.5	33.7
APT-050	5.0	114 - 203	1.4	363	380	290	60	28	7.5	50.7
APT-100	10.0	125 - 210	1.7	410	389	364.5	80	48	15.0	88.0

AKITA

AKITA



Electric Chain Hoist
Manual Hoist
Lever Hoist
Manual Trolley
Wire Rope Pulling Hoist
Beam Clamp
Plate Clamp

Scan to download
E-Catalog



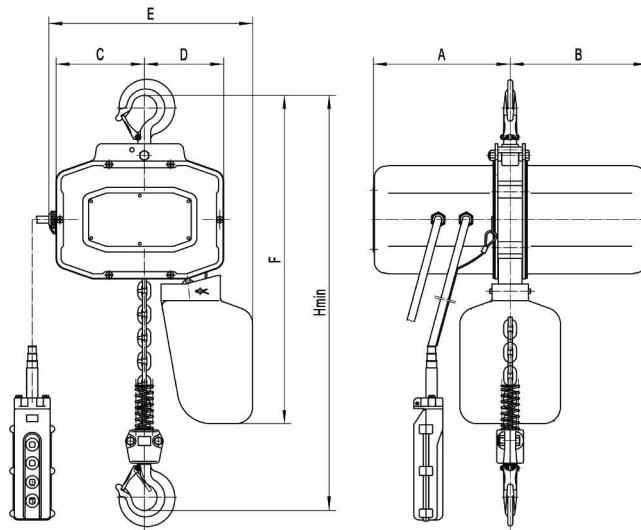
Electric Chain Hoist - Model B-1



Main Features

- Electromagnetic brake holds a load even if power is interrupted
- Upper and lower limit switches prevent over-travel
- Built-in chain bag keeps chain out of the way during operation
- Ventilated heavy-duty motor shut down to prevent overheating
- Heat-treated, drop-forged hooks swivel 360 degree for easy rigging
- Permanently lubricated gear train delivers a long life with low maintenance
- Integrated slip clutch ensures continuous duty and tension control and protects transmission from overload

Technical Parameters



1Phase 220V

Model	Rated Load (ton)	Lifting Speed (m/min)	Motor Output (kW)	Duty Class	%ED	Motor Insulation Class	Load Chain		Test Load (ton)	Net Weight (Lift 6 m) (kg)
							Dia. (mm)	No of falls		
B-1-005	0.5	7.0	1.2	M4	30%	F	7.1	1	0.625	55
B-1-010	1.0	6.0							1.25	60
B-1-020	2.0	3.0						2	2.50	65

* Height of lift can be changed upon the usage.

Model	Rated Load (ton)	Dimension (mm)						Min. Headroom H (mm)
		A	B	C	D	E	F	
B-1-005	0.5	245	245	158	142	350	600	520
B-1-010	1.0			550				
B-1-020	2.0			124	176		650	630

Manual Chain Hoist VIT-II Series

AKITA

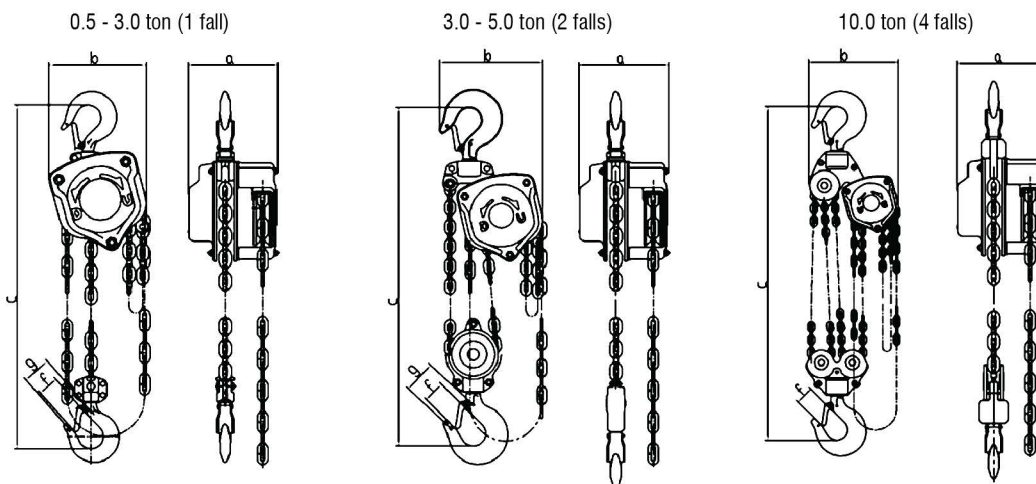
Manual Chain Hoist - Model VIT-II



Main Features

- Meets all pertinent world standards
- Lightweight high strength grade 100 alloy steel load chain
- Compact design for limited headroom applications
- High strength steel frame and gear case built to be durable for the rugged needs of construction and maintenance rigging
- Heat-treated spur gear efficiently designed to provide smooth load handling and low hand chain pull
- Reinforced double pawl brake system and larger dia. pawl springs ensure reliable brake
- Open frame design for self-cleaning, quick load sheave inspection and easy hoist maintenance

Technical Parameters



Model	Rated Load (ton)	Load Chain		Pulling Effort (N)	Dimension (mm)					Test Load (ton)	Net Weight (Lift 3m) (kg)
		Dia. (mm)	No. of falls		a	b	c	f	g		
VIT05	0.5	V 5.0	1	250	127	144	285	27	35	0.75	9.0
VIT10	1.0	V 6.3		330	147	157	315	33	45	1.5	12.2
VIT15	1.5	V 7.1		340	147	174	340	33.5	47	2.25	14.5
VIT20	2.0	V 8.0		340	179	204	380	37	52	3.0	21.0
VIT30	3.0	V 7.1	2	350	147	206	475	43.5	62.5	4.5	22.0
VIT30B	3.0	V 9.0	1	380	182	263	550	43.5	62.5	4.5	34.0
VIT50	5.0		2	390	179	263	600	51	78	7.5	40.0
VIT100	10.0		4	410	179	367	740	64	-	15.0	89.4 (Std. 5 m)

* Height of lift can be changed upon the usage.

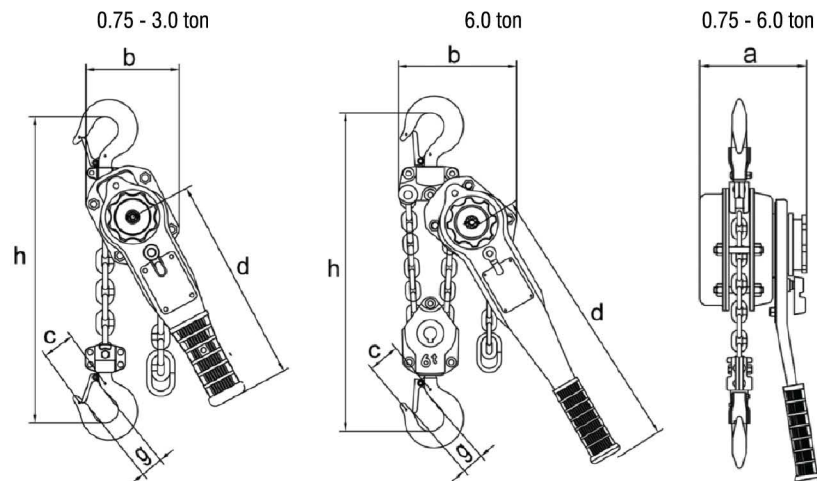
Lever Chain Hoist (Steel body) - Model KIT-III



Main Features

- High impact gear and brake cover
- Simple load chain guide system - allows horizontal operation
- Reasonable pulling force to rated capacity
- Light weight - ultra compact design
- Stop knob can protect the hoist even the user wrongly put the load on end reing
- G100 load chain - 25% stronger than G80 load chain
- Superior rubber grip
- Simple design makes inspection or maintenance fast and easy
- Complied with EN13157

Technical Parameters

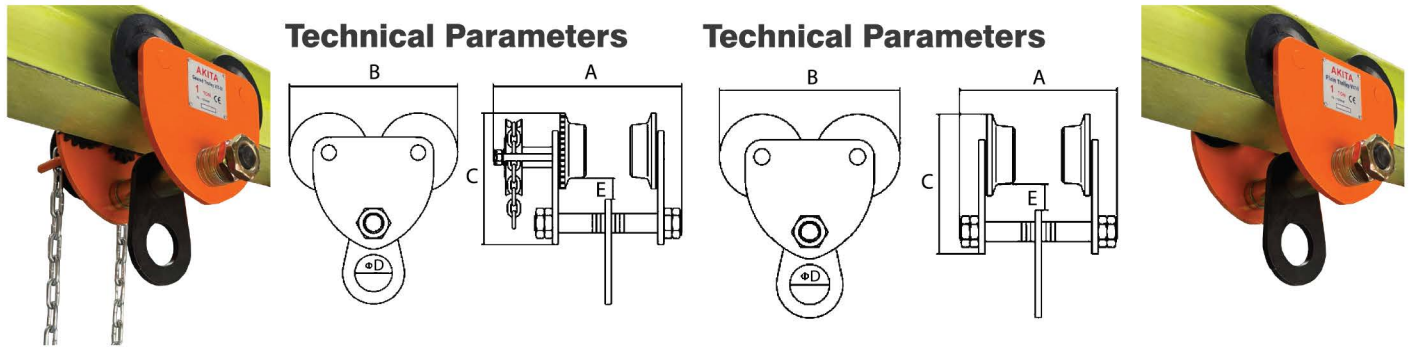


Model	Rated Load (ton)	Load Chain		Pulling Effort (N)	Dimension (mm)						Test Load (ton)	Net Weight (Lift 1.5 m) (kg)
		Dia. (mm)	No. of falls		a	b	c	d	g	h		
KIT3075	0.75	V 5.6	1	237	148	121	37.5	265	27.0	280	1.13	6.2
KIT3150	1.5	V 7.1		258	165.5	141	47.0	415	33.5	350	2.25	9.6
KIT3300	3.0	V 10.0		366	194.5	178	62.5	415	43.5	420	4.5	15.5
KIT3600	6.0		2	376	194.5	228	78.0	415	51.0	570	9.0	27.0

* Height of lift can be changed upon the usage.

Manual Trolley VIT-III & VIT-II & QIT Series

AKITA



Technical Parameters

Technical Parameters

Geared Trolley - Model VIT-III

Model	Rated Load (ton)	Beam Width (mm)	Min. Curve Radius (m)	Dimension (mm)					Test Load (ton)	Net Weight (H.C. 3 m) (kg)
				A	B	C	D	E		
VIT010B	1.0	75 - 125	1.0	255	204	164	45	18.25	1.5	11.6
VIT020B	2.0	100 - 150	1.1	292	233	180	60	21	3.0	16.1
VIT030B	3.0	100 - 150	1.3	314	279	224.5	70	17	4.5	24.7
VIT050B	5.0	125 - 175	1.4	360	306	252	80	16.5	7.5	37.1

* Length of hand chain (H.C.) can be changed upon the usage.

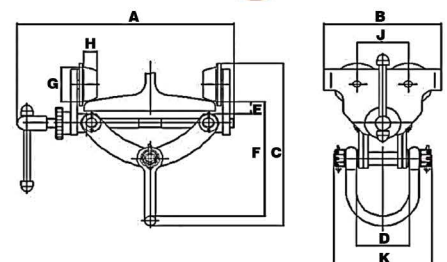
Plained Trolley - Model VIT-II

Model	Rated Load (ton)	Beam Width (mm)	Min. Curve Radius (m)	Dimension (mm)					Test Load (ton)	Net Weight (kg)
				A	B	C	D	E		
VIT005A	0.5	75 - 125	0.9	200	170	134.5	35	19.5	0.75	4.6
VIT010A	1.0	75 - 125	1.0	210	204	164.0	44	18.25	1.5	7.4
VIT020A	2.0	100 - 150	1.1	242	233	180.0	60	21.0	3.0	11.9
VIT030A	3.0	100 - 150	1.3	262	279	224.5	45	17.0	4.5	20.0
VIT050A	5.0	125 - 175	1.4	297	306	252.0	60	16.5	7.5	32.1

Quick Install Plained Trolley - Model QIT

Model	Rated Load (ton)	Beam Width (mm)	Min. Curve Radius (m)	Test Load (ton)	Net Weight (kg)
QIT05	0.5	75 - 130	0.7	0.75	4.6
QIT10	1.0		1.0	1.5	6.2
QIT20	2.0	75 - 200		3.0	7.5

Model	Rated Load (ton)	Dimension (mm)									
		A	B	C	D	E	F	G	H	J	K
QIT05	0.5	240	170	195 - 220	60	22	120 - 145	57	20	78	110
QIT10	1.0		174	258 - 278	80		178 - 198				150
QIT20	2.0		330	178			271 - 315				



Wire Rope Pulling Hoist – Model YAL

Backward & Forward lever
placed in tandem providing a slim design and assuring power transfer along the center

Built-in shearing pin
prevent overload
It functions at approx. 25% overload.
The pins can be replaced without removing the load.

Safety pin
fastens the anchor bolt



Anchor bolt
offers numerous and versatile connection possibilities with load hooks, sling ropes and sling chains

Spare shear pins
Two pieces of spare shear pins located in the carrying handle

Rope clamp system
easily disengaged with a lever allowing smooth installation of the wire rope

High strength cast aluminium alloy body
Light weight
Simple to operate
Smooth contour design with large, flat bottom surface for increased stability in horizontal as well as vertical working position

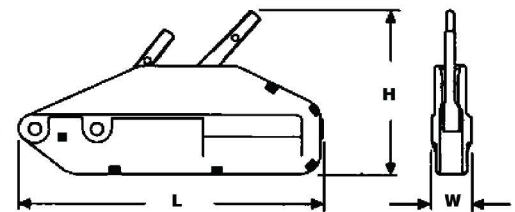
Stamped serial number
for easy identification

Galv. steel wire rope mounted on a reel

Every rope is operationally tested to 150% of the rated capacity and is issued with an individual test certificate



Adjustable lever handle
for easy operation

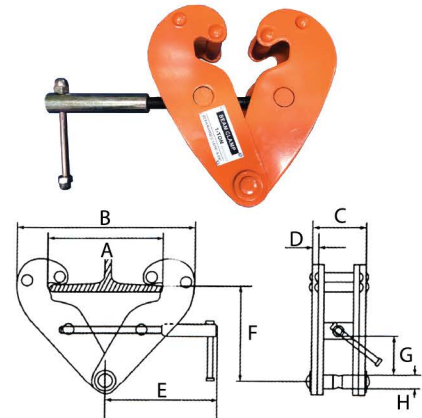


Model	Rated Load (ton)	Pulling Capacity* (ton)	Wire Rope Dia. (mm)	Forward Travel (mm)	Effort at Rated Load (N)	Dimension (mm)			Net Weight (kg)		
						L	H	W	Body	20m Wire rope	Lever Handle
YAL008	0.8	1.2	8.3	52	284	440	255	70	6.4	7.0	1.15
YAL016	1.6	2.4	11.0	55	412	560	295	100	12.4	11.5	2.50
YAL032	3.2	4.0	16.0	28	441	675	350	120	23.3	23.5	2.50

* Observe local regulations.

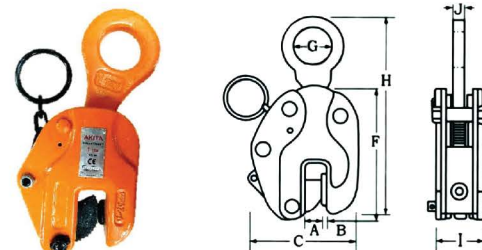
Beam Clamp - Model TBC

Model	Rated Load (ton)	Beam Width (mm)	Dimension (mm)							Net Weight (kg)
			A (max)	B	C	E	F	G	H	
TBC-1	1.0	75 - 220	260	180	64	215	102	25	22	4.0
TBC-2	2.0			360	74		155			
TBC-3	3.0	80 - 320	354	235	103	260	140	45	24	9.1
TBC-5	5.0			490	110		225			



Vertical Plate Clamp - Model PCE

Model	Rated Load (ton)	Grab Opening (mm)	Dimension (mm)			Net Weight (kg)
			C	G	H	
PCE10	1.0	0 - 20	125	50	260	3.8
PCE20	2.0	0 - 30	165	58	304	6.0
PCE30	3.0	0 - 35	175	60	362	9.3
PCE50	5.0	0 - 45	218	65	416	18.5





Manual Chain Hoist
Lever Chain Hoist
Manual Trolley
Wire Rope Pulling Hoist
Pulley Block
Hand Winch
Webbing Sling
Magnetic Lifter
Chain Binder
Wire Rope

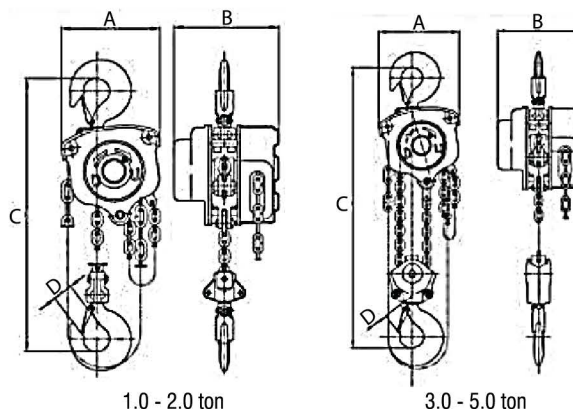
Scan to download
E-Catalog



Manual Chain Hoist - Model KT-C



Technical Parameters



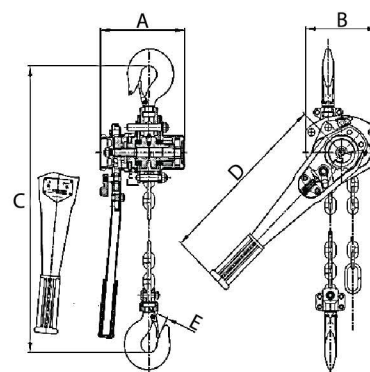
Model	Rated Load (ton)	Load Chain		Pulling Effort (N)	Dimension (mm)				Test Load (ton)	Net Weight (Lift 3 m) (kg)
		Dia. (mm)	No. of falls		A	B	C	D		
KT-C10	1.0	T 6.0	1	324	156	131	334	24	1.5	10.5
KT-C15	1.5	T 7.1		395	180	142	415	36	2.25	15.5
KT-C20	2.0	T 8.0		330	156	131	459	34	3.0	16.0
KT-C30	3.0	T 7.1	2	402	180	142	536	35	4.5	23.0
KT-C50	5.0	T 10.0		430	230	171	660	47	7.5	39.0

* Height of lift can be changed upon the usage.

Lever Chain Hoist - Model KT-L



Technical Parameters



Model	Rated Load (ton)	Load Chain		Pulling Effort (N)	Dimension (mm)					Test Load (ton)	Net Weight (Lift 1.5 m) (kg)
		Dia. (mm)	No. of falls		A	B	C	D	E		
KT-L10	1.0	T 6.0	1	185	152	128	295	256	24	1.5	8.0
KT-L15	1.5	T 7.1		234	175	148	335	368	36	2.25	10.6
KT-L20	2.0	T 8.0		251	175	160	385	368	34	3.0	14.8
KT-L30	3.0	T 10.0		363	195	181	450	368	35	4.5	20.0

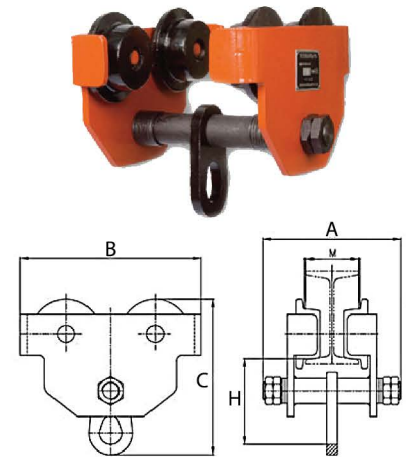
* Height of lift can be changed upon the usage.

Trolley & Pulling Hoist Pulley Block



Plain Trolley - Model KT-P

Model	Rated Load (ton)	Beam Width (mm)	Dimension (mm)				Test Load (ton)	Net Weight (kg)
			A	B	C	H		
KT-PT05	0.5	68 - 126	208	196	190	108	0.75	5.5
KT-PT10	1.0	80 - 146	242	236	211	115	1.5	9.5
KT-PT20	2.0	80 - 168	280	273	236	130	3.0	13.5
KT-PT30	3.0	88 - 168	300	320	295	164	4.5	25.0
KT-PT50	5.0	100 - 170	316	366	334	177	7.5	44.0

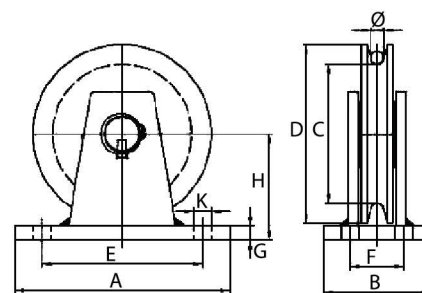


Wire Rope Pulling Hoist – Model ZNL



Model	Rated Load (ton)	Pulling Capacity (ton)	Wire Rope Dia. (mm)	Forward Travel (mm)	Effort at Rated Load (N)	Dimension (mm)				Net Weight (kg)
						Body Length	Body Height	Body Width	Handle Length	
ZNL-800	0.8	1.2	8.3	52	341	426	238	64	800	14.6
ZNL-1600	1.6	2.4	11.0	55	438	545	284	97	800 / 1,200	26.4
ZNL-3200	3.2	4.0	16.0	28	438	660	325	116	800 / 1,200	49.3

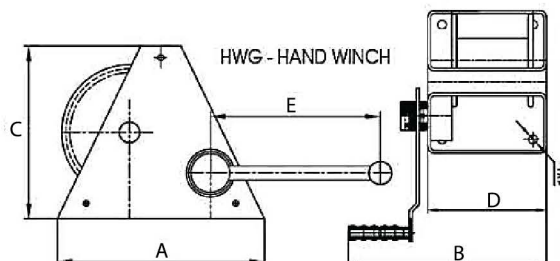
Pulley Block – Model DU



Model	Rated Load (ton)	Wire Rope Dia. (mm)	Dimension (mm)									Net Weight (kg)
			A	B	C	D	E	F	G	H	K	
DU-05	0.5	7.0	120	60	78	100	90	30	8	60	10	1.5
DU-10	1.0	8.0	140	60	98	125	110	35	10	77	12	2.4
DU-20	2.0	10.0	180	80	118	150	140	40	12	92	14	4.5

Spur Geared type Hand Winch – Model HWG (GR)

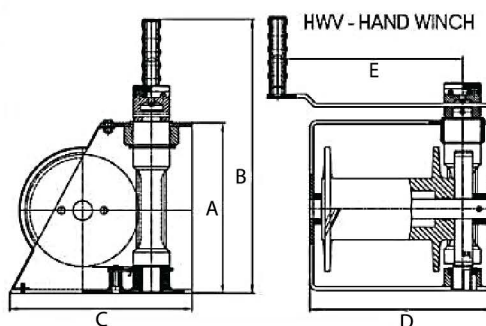
Technical Parameters



Model	Rated Load (ton)	Wire Rope (Not Included)		Number of Layers	Drive Ratio	Dimension (mm)					Net Weight (kg)
		Dia. (mm)	Max. Length (m)			A	B	C	D	E	
GR150	0.15	4.0	22	6	2.84 : 1	180	325	150	150	350	8.0
GR300	0.3	5.0	40		6.67 : 1	240	385	200	200	250	16.0
GR500	0.5	6.8	25	4	7.75 : 1	412	485	300	300	350	17.0
GR1000	1.0	9.0	25		23.75 : 1						38.0

Worm Geared type Hand Winch – Model HWV (VS)

Technical Parameters



Model	Rated Load (ton)	Wire Rope (Not Included)		Number of Layers	Drive Ratio	Dimension (mm)					Net Weight (kg)
		Dia. (mm)	Max. Length (m)			A	B	C	D	E	
VS250	0.25	5.0	20	4	15 : 1	150	330	150	200	240	10.0
VS500	0.5	6.8	25		21 : 1	180	360	180	260	240	16.0
VS1000	1.0	9.0	35		26 : 1	300	490	300	300	370	40.0

Webbing Sling Magnetic Lifter & Binder



Webbing sling (Double Ply)

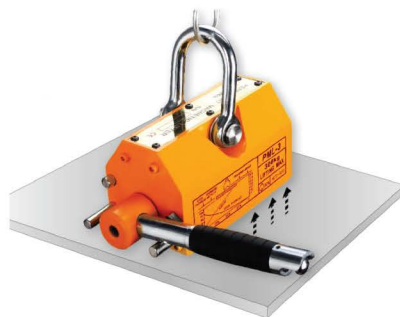
Main Features

- 100% high tenacity polyester
- With reinforced lifting eye
- Low elongation
- According to EN 1492-1:2000

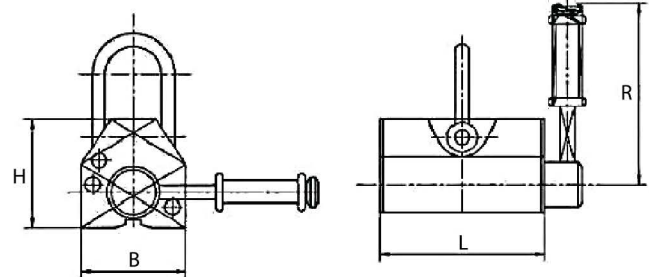


Rated Load for Webbing Sling (ton)	Lifting with 1 Webbing Sling					Lifting with 2 Webbing Slings				
Type of Lifting	Straight Lift	Choked Lift	$\beta \leq 7^\circ$	$7^\circ < \beta \leq 45^\circ$	$45^\circ < \beta \leq 60^\circ$	Straight Lift $\beta \leq 45^\circ$	Straight Lift $45^\circ < \beta \leq 60^\circ$	Choked Lift $\beta \leq 45^\circ$	Choked Lift $45^\circ < \beta \leq 60^\circ$	
Load Factor	1.0	0.8	2.0	1.4	1.0	1.4	1.12	1.0	0.8	
Trade Size	Color									
WLL 1 Ton	Violet	1.0	0.8	2.0	1.4	1.0	1.4	1.12	1.0	0.8
WLL 2 Ton	Green	2.0	1.6	4.0	2.8	2.0	2.8	2.24	2.0	1.6
WLL 3 Ton	Yellow	3.0	2.4	6.0	4.2	3.0	4.2	3.36	3.0	2.4
WLL 4 Ton	Grey	4.0	3.2	8.0	5.6	4.0	5.6	4.48	4.0	3.2
WLL 5 Ton	Red	5.0	4.0	10.0	7.0	5.0	7.0	5.60	5.0	4.0

Permanent Magnetic Lifter – Model PML



Technical Parameters



Model	Rated Lifting Strength (kgF)	Cylindrical Lifting Strength (kgF)	Max. Pull-off Strength (kgF)	Dimension (mm)				Net Weight (kg)
				L	B	H	R	
PML-1	100	30	350	92	62	67	140	3.0
PML-3	300	100	1,050	163	92	93	180	10.0
PML-6	600	200	2,100	234	122	118	220	24.0

* Operation Temperature : -40°C to +80°C

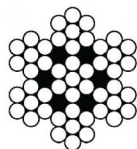
Chain Binder - Model CBD

Model	Rated Load (ton)	Load Chain Dia. (mm)	Test Load (ton)	Net Weight (kg)
CBD-010	1.0	6.0	1.5	5.5

* Length of chain can be changed upon the usage.

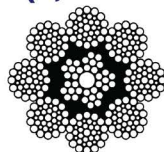


**Stainless Steel Wire Rope
7 x 7 - JIS G3540
Grade SUS304 / SUS316**



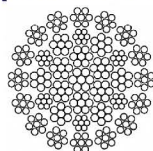
Dia. (mm)	Breaking Strength (kN)		Unit Weight (kg/m)
	SUS304	SUS316	
1.2	1.12	0.94	0.006
1.5	1.67	---	0.010

**Galv. Steel Wire Rope
8 x WS(36)+IWRC
Grade SC (2,160 N/mm²)**



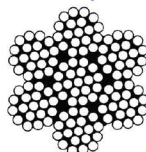
Dia. (mm)	Breaking Strength (kN)	Unit Weight (kg/m)
8.0	49.2	0.267
9.0	62.3	0.338
10.0	76.9	0.417
11.0	93.0	0.505
12.0	111.0	0.600
13.0	130.0	0.705
14.0	151.0	0.817
16.0	197.0	1.070
20.0	307.5	1.670

**Ungalv. Steel Wire Rope
35(W) x 7 [Non-Rotating]
Grade C (1,960 N/mm²)**



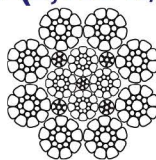
Dia. (mm)	Breaking Strength (kN)	Unit Weight (kg/m)
11.0	85.4	0.553
14.0	138.0	0.896
16.0	181.0	1.170

**Stainless Steel Wire Rope
7 x 19 - JIS G3540
Grade SUS304 / SUS316**



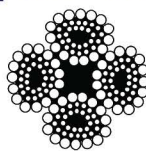
Dia. (mm)	Breaking Strength (kN)		Unit Weight (kg/m)
	SUS304	SUS316	
2.0	2.72	---	0.017
3.0	6.13	5.54	0.034
4.0	10.68	10.10	0.061
4.8	15.35	16.50	0.095
6.0	24.11	20.76	0.138
8.0	41.75	36.90	0.243

**Galv. Steel Wire Rope
8 x K(19)S PWRC [Compact]
Grade SC (2,160 N/mm²)**



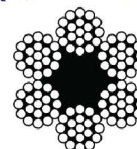
Dia. (mm)	Breaking Strength (kN)	Unit Weight (kg/m)
6.4	38.9	0.209
8.0	60.8	0.326
9.0	76.9	0.413
11.0	115.0	0.617

**Ungalv. Steel Wire Rope
4 x SeS(39) PP
Grade C (1,960 N/mm²)**



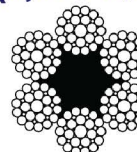
Dia. (mm)	Breaking Strength (kN)	Unit Weight (kg/m)
10.0	73.1	0.412
11.2	91.7	0.517
12.5	114.2	0.644

**Ungalv. Steel Wire Rope
6 x W(19)+FC
Grade B (1,770 N/mm²)**



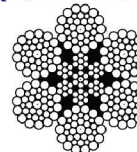
Dia. (mm)	Breaking Strength (kN)	Unit Weight (kg/m)
6.3	23.0	0.153

**Ungalv. Steel Wire Rope
6 x FI(29)+FC
Grade B (1,770 N/mm²)**



Dia. (mm)	Breaking Strength (kN)	Unit Weight (kg/m)
8.0	37.9	0.253
10.0	59.2	0.396
11.2	74.3	0.496
12.5	92.5	0.618

**Ungalv. Steel Wire Rope
6 x WS(36)+IWRC
Grade C (1,960 N/mm²)**



Dia. (mm)	Breaking Strength (kN)	Unit Weight (kg/m)
8.0	44.7	0.282
9.0	56.5	0.356
10.0	69.8	0.440
11.0	84.4	0.552
12.5	109.0	0.688
14.0	137.0	0.863
16.0	178.6	1.130
20.0	279.1	1.760



THIELE®

THIELE



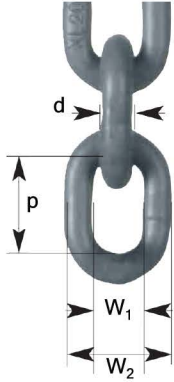
Grade 100 Chain
Grade 100 Components
Lifting Point

Scan to download
E-Catalog





(XL-200) Grade 100 Round Steel Link Chain - Model TWN 0072



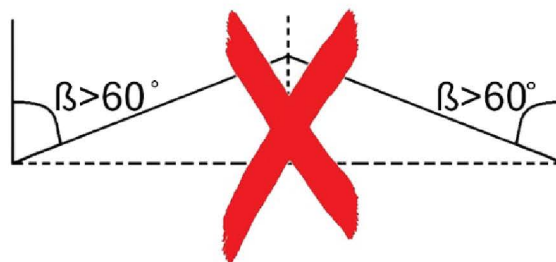
Trade Size	Rated Load (ton)	Dimension (mm)				Net Weight (kg/m)
		d	p	W1	W2	
6-10	1.4	6.0	18.0	8.4	22.2	0.8
8-10	2.6	8.0	24.0	11.3	29.6	1.5
10-10	4.0	10.0	30.0	13.4	37.0	2.3
13-10	6.8	13.0	39.0	18.0	48.1	3.9
16-10	10.3	16.0	48.0	21.4	59.2	5.8

- * Factor = Rated Load : Test Load : Breaking Load = 1 : 2 : 4
- * Working Temperature : -40°C to 205°C
- * According to ASTM 973 and DIN EN 818 Standards
- * Elongation at break : min. 20%

Rated Load for Direct Sling in (ton)

Rated Load for Direct Sling (ton)		1-Leg	2-Leg		3-Leg and 4-Leg	
Inclination Angle		$\beta = 0^\circ$	$0^\circ < \beta \leq 45^\circ$	$45^\circ < \beta \leq 60^\circ$	$0^\circ < \beta \leq 45^\circ$	$45^\circ < \beta \leq 60^\circ$
Load Factor		1.0	1.4	1.0	2.1	1.5
Trade Size	Chain Size (mm)	1.0	1.4	1.0	2.1	1.5
6-10	6.0	1.4	2.0	1.4	3.0	2.12
8-10	8.0	2.5	3.55	2.5	5.3	3.75
10-10	10.0	4.0	5.6	4.0	8.0	6.0
13-10	13.0	6.7	9.5	6.7	14.0	10.0
16-10	16.0	10.0	14.0	10.0	21.2	15.0

Inclination Angle (β) over 60° are prohibited.



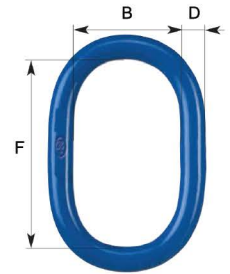
Grade 100 Components

TWN 1813 & 1814 & 1820



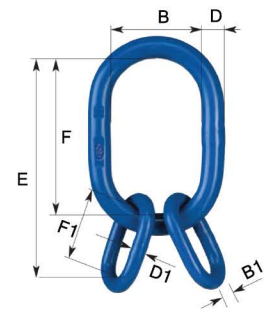
Grade 100 Master Link Form A - Model TWN 1813

Trade Size / Chain Size (mm)		Rated Load (ton)	Dimension (mm)			Net Weight (kg)
1-Leg	2-Leg		D	F	B	
6-10 (7-10)	6-10	2.5	13	90	50	0.29
8-10	(7-10)	4.0	16	110	60	0.53
10-10	8-10	5.0	18	130	70	0.79
-	10-10	6.0	20	140	80	1.10
13-10	-	7.1	22	160	90	1.50
16-10	13-10	10.0	26	180	100	2.30
(18-10)	16-10	15.0	32	230	125	4.40



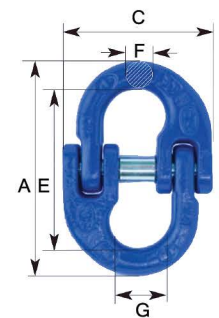
Grade 100 Master Link Assembly - Model TWN 1814

Trade Size	Chain Size (mm)	Rated Load (ton)	Dimension (mm)							Net Weight (kg)
			D	F	B	E	D1	F1	B1	
6-10	6.0	4.0	16	110	60	170	13	60	30	0.94
8-10	8.0	6.0	20	140	80	210	16	70	35	1.80
10-10	10.0	10.0	26	180	100	270	20	90	45	3.80
13-10	13.0	15.0	32	230	125	350	26	120	60	7.70
16-10	16.0	23.6	40	290	160	420	28	130	65	13.00



Grade 100 Connecting Link - Model TWN 1820

Trade Size	Chain Size (mm)	Rated Load (ton)	Dimension (mm)					Net Weight (kg)
			A	C	E	F	G	
6-10	6.0	1.4	61	38.5	45	8	14	0.07
8-10	8.0	2.5	85	55	62	10	19	0.20
10-10	10.0	4.0	97	66.5	72	13	24	0.35
13-10	13.0	6.7	125	82.5	87	17	28	0.74
16-10	16.0	10.0	146	109	105	21	34	1.20



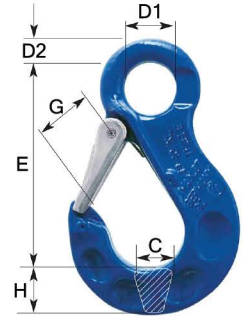


THIELE®

Grade 100 Components TWN 1841/1 & 1840/1 & 1830

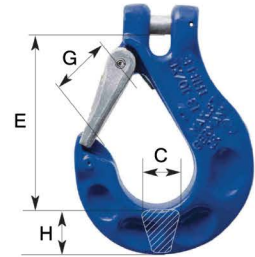
Grade 100 Eye Sling Hook with Latch - Model TWN 1841/1

Trade Size	Chain Size (mm)	Rated Load (ton)	Dimension (mm)						Net Weight (kg)
			E	D1	D2	G	H	C	
6-10	6.0	1.4	92	21	11	20	20	17	0.36
8-10	8.0	2.5	118	28	14	27	25	20	0.76
10-10	10.0	4.0	146	36	18	34	32	29	1.50
13-10	13.0	6.7	168	42	21	41	41	35	2.55
16-10	16.0	10.0	210	54	25	48	50	41	4.65



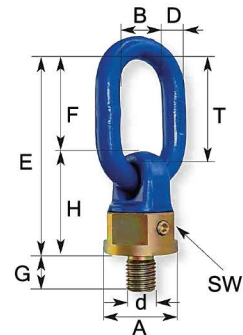
Grade 100 Clivis Sling Hook with Latch - Model TWN 1840/1

Trade Size	Chain Size (mm)	Rated Load (ton)	Dimension (mm)				Net Weight (kg)
			E	G	H	C	
6-10	6.0	1.4	76	20	20	17	0.36
8-10	8.0	2.5	94	27	25	22	0.76
10-10	10.0	4.0	114	34	32	28	1.41
13-10	13.0	6.7	134	41	41	35	2.48
16-10	16.0	10.0	162	48	50	42	4.40



Grade 100 X-TREME Lifting Swivel - Model TWN 1830

Trade Size	Screw Size [d x G]	Rated Load (ton)			Dimension (mm)								Net Weight (kg)
		Vertical Y	Extreme Z	Hinged X	E	F	B	T	D	H	SW	A	
X-TRE 1.40	M16 x 20	2.8	1.4	1.7	101	47	33	55	13	55	36	39	0.50
X-TRE 2.50	M20 x 25	5.3	2.5	2.8	121	59	34	70	16	63	46	50	0.94
X-TRE 3.50	M24 x 30	7.0	3.5	4.0	148	72	40	85	18	76	50	57	1.50
X-TRE 5.30	M30 x 40	10.0	5.3	6.3	171	83	50	100	22	88	65	73	2.72



Rated Load for X-TREME Lifting Point (ton)	1-Leg		2-Leg					3-Leg and 4-Leg		
Inclination Angle	$\beta=0^\circ$	$\beta=90^\circ$	$\beta=0^\circ$	$\beta=90^\circ$	$0^\circ < \beta \leq 45^\circ$	$45^\circ < \beta \leq 60^\circ$	Asymmetry	$0^\circ < \beta \leq 45^\circ$	$45^\circ < \beta \leq 60^\circ$	Asymmetry
Screw Size										
M16	2.8	1.7	5.6	3.4	2.4	1.7	1.7	3.6	2.6	1.7
M20	5.3	2.8	10.6	5.7	4.0	2.8	2.8	5.9	4.2	2.8
M24	7.0	4.0	14.0	8.0	5.7	4.0	4.0	8.5	6.0	4.0
M30	10.0	6.3	20.0	12.6	8.9	6.3	6.3	13.4	9.5	6.3





BST

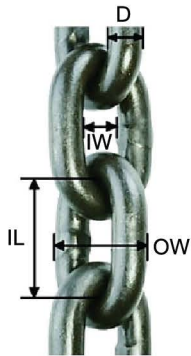


Grade 80 Chain
Grade 80 Components
Wire Rope Clip
Turnbuckle
Snatch Block
Shackle

Scan to download
E-Catalog

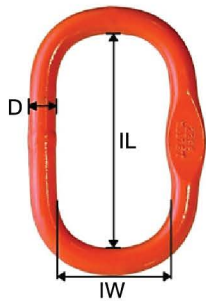


Grade 80 Round Steel Link Chain - Model G8C



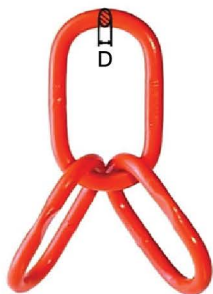
Model	Chain Size (mm)	Rated Load (ton)	Dimension (mm)				Net Weight (kg/m)
			D	IL	IW	OW	
G8C6	6.0	1.12	6.0	18.0	8.0	21.0	0.8
G8C7	7.0	1.50	7.0	21.0	10.3	25.4	1.1
G8C8	8.0	2.00	8.0	24.0	10.8	28.0	1.4
G8C10	10.0	3.15	10.0	30.0	13.5	35.0	2.2
G8C13	13.0	5.30	13.0	39.0	17.5	45.5	3.8
G8C16	16.0	8.00	16.0	48.0	21.5	56.0	5.7

Grade 80 Master Link - Model M



Model	Chain Size (mm)		Rated Load $0^\circ < \beta \leq 45^\circ$ (ton)	Dimension (mm)			Net Weight (kg)
	1-Leg	2-Leg		D	IL	IW	
M11	6.0	-	2.1	11	83	40	0.2
M13	7.0 / 8.0	6.0	2.6	13	95	54	0.3
M16	10.0	7.0 / 8.0	3.8	16	120	70	0.6
M20	13.0	10.0	6.4	20	150	80	1.1
M20B	-	-	5.8	20	170	90	1.3
M22	16.0	-	7.6	22	170	90	1.6
M25	18.0	13.0	10.0	25	190	100	2.3
M28	20.0	-	12.7	28	210	110	3.2
M32	22.0	16.0	15.2	32	270	140	5.3
M38	26.0	20.0	25.0	38	270	140	7.5
M45	32.0	22.0	34.0	45	320	170	12.5

Grade 80 Master Link Assembly - Model MA



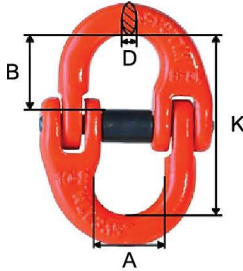
Model	Chain Size (mm) 3-Leg and 4-Leg	Rated Load $0^\circ < \beta \leq 45^\circ$ (ton)	Dimension refer to Masterlink [M]		Net Weight (kg)
			Main Link	Inter Link	
MA16/13	6.0	3.8	M16	M13	1.2
MA20/16	7.0	5.8	M20B	M16	2.5
MA22/20	8.0	7.6	M22	M20	3.8
MA25/20	-	10.0	M25	M20	4.5
MA28/22	10.0	12.7	M28	M22	6.4
MA32/25	-	15.2	M32	M25	9.9
MA38/32	13.0	25.0	M38	M32	18.2
MA45/38	16.0	34.0	M45	M38	27.7

Grade 80 Components

CLE & SHE & SHC & GHC

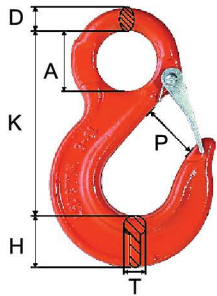


Grade 80 Connecting Link - Model CLE



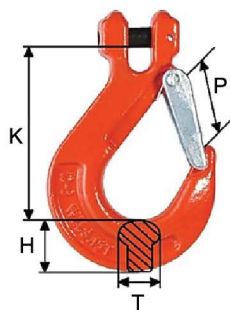
Model	Chain Size (mm)	Rated Load (ton)	Dimension (mm)				Net Weight (kg)
			D	K	A	B	
CLE6	6.0	1.12	7	43	15	21.0	0.8
CLE8	7.0 / 8.0	2.00	9	56	20	28.0	1.4
CLE10	10.0	3.15	13	68	26	35.0	2.2
CLE13	13.0	5.30	16	88	30	45.5	3.8
CLE16	16.0	8.00	19	104	36	56.0	5.7

Grade 80 Eye Sling Hook with Latch - Model SHE



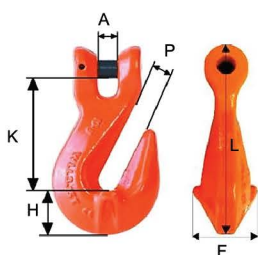
Model	Chain Size (mm)	Rated Load (ton)	Dimension (mm)						Net Weight (kg)
			D	K	P	A	T	H	
SHE6	6.0	1.12	9	80	24	20	16	20	0.3
SHE8	7.0 / 8.0	2.00	11	98	30	25	19	23	0.4
SHE10	10.0	3.15	15	121	36	32	23	31	0.9
SHE13	13.0	5.30	18	152	43	40	28	38	1.7
SHE16	16.0	8.00	22	183	47	50	32	47	3.2
SHE20	20.0	12.5	27	217	52	60	43	48	5.2
SHE22	22.0	15.0	32	240	70	60	50	74	8.5
SHE26	26.0	21.0	34	270	80	66	60	80	12.7

Grade 80 Clevis Sling Hook with Latch - Model SHC



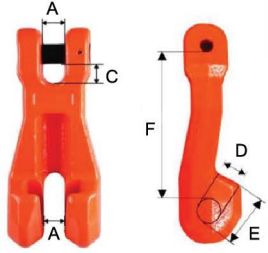
Model	Chain Size (mm)	Rated Load (ton)	Dimension (mm)				Net Weight (kg)
			K	P	T	H	
SHC6	6.0	1.12	78	22	15	18	0.3
SHC8	7.0 / 8.0	2.00	95	30	19	23	0.5
SHC10	10.0	3.15	120	36	23	31	1.0
SHC13	13.0	5.30	147	44	28	38	2.1
SHC16	16.0	8.00	169	46	32	44	3.7

Grade 80 Clevis Grab Hook with Wings - Model GHC



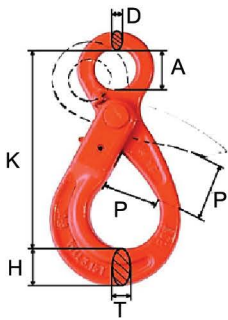
Model	Chain Size (mm)	Rated Load (ton)	Dimension (mm)						Net Weight (kg)
			A	P	H	L	K	F	
GHC6	6.0	1.12	7	7	16	75	41	25	0.2
GHC8	7.0 / 8.0	2.00	9	10	25	93	55	30	0.3
GHC10	10.0	3.15	12	13	35	128	77	41	0.8
GHC13	13.0	5.30	15	16	42	152	97	53	1.5
GHC16	16.0	8.00	17	20	45	180	102	58	2.9

Grade 80 Clevis Shortening Clutch - Model SCC



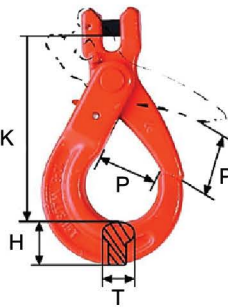
Model	Chain Size (mm)	Rated Load (ton)	Dimension (mm)					Net Weight (kg)
			A	C	D	E	F	
SCC6	6.0	1.12	6	8	7	11	45	0.2
SCC8	7.0 / 8.0	2.00	8	10	9	16	62	0.4
SCC10	10.0	3.15	12	14	12	25	87	0.9
SCC13	13.0	5.30	16	17	15	32	115	1.9
SCC16	16.0	8.00	20	19	19	39	143	3.2

Grade 80 Eye Self Locking Safety Hook - Model SLE



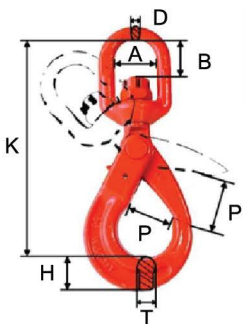
Model	Chain Size (mm)	Rated Load (ton)	Dimension (mm)						Net Weight (kg)
			D	K	P	A	T	H	
SLE6	6.0	1.12	10	110	29	21	15	20	0.5
SLE8	7.0 / 8.0	2.00	11	136	35	25	20	24	0.8
SLE10	10.0	3.15	13	167	45	32	26	30	1.4
SLE13	13.0	5.30	16	207	54	40	30	38	2.7
SLE16	16.0	8.00	21	252	62	52	40	48	5.6

Grade 80 Clevis Self Locking Safety Hook - Model SLC



Model	Chain Size (mm)	Rated Load (ton)	Dimension (mm)				Net Weight (kg)
			K	P	T	H	
SLC6	6.0	1.12	100	28	14	19	0.5
SLC8	7.0 / 8.0	2.00	119	34	19	24	0.8
SLC10	10.0	3.15	143	45	24	31	1.5
SLC13	13.0	5.30	179	54	27	40	2.8
SLC16	16.0	8.00	212	63	36	53	5.6

Grade 80 Swivel Self Locking Safety Hook - Model SLS

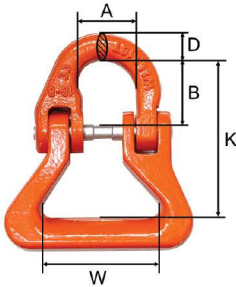


Model	Chain Size (mm)	Rated Load (ton)	Dimension (mm)							Net Weight (kg)
			D	K	P	A	B	T	H	
SLS6	6.0	1.12	11	123	29	32	17	15	22	0.6
SLS8	7.0 / 8.0	2.00	13	151	35	36	21	20	26	1.1
SLS10	10.0	3.15	16	171	45	41	24	26	34	2.0
SLS13	13.0	5.30	21	209	53	46	27	30	42	4.0
SLS16	16.0	8.00	23	265	62	60	40	40	55	6.8

Grade 80 Components Rigging & Snatch Block

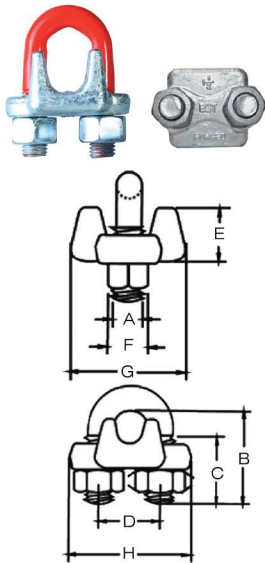


Grade 80 Connecting Link for Polyester Sling - Model PCLE



Model	Chain Size (mm)	Polyester Sling Size	Rated Load (ton)	Dimension (mm)					Net Weight (kg)
				D	K	A	B	W	
PCLE6	6.0	1 ton	1.12	7	55	15	17	39	0.2
PCLE8	7.0 / 8.0	2 ton	2.00	9	66	19	22	45	0.3
PCLE10	10.0	3 ton	3.15	13	76	25	26	55	0.6
PCLE13	13.0	5 ton	5.30	16	96	30	36	65	1.2

Wire Rope Clip (US Type) - Model HG-3450



Wire Rope Size		Dimension (mm)								Net Weight (kg)
(mm)	(inch)	A	B	C	D	E	F	G	H	
6.0	1/4	7.9	26.2	12.7	19.0	16.8	14.2	30.2	36.3	0.086
8.0	5/16	9.7	35.1	19.0	22.4	18.5	17.5	33.3	42.2	0.127
9.0 - 10.0	3/8	11.2	38.1	19.0	25.4	23.1	19.0	41.4	49.3	0.227
11.0	7/16	12.7	47.8	25.4	30.2	28.7	22.4	48.5	57.9	0.353
12.0 - 13.0	1/2	12.7	47.8	25.4	30.2	28.7	22.4	48.5	57.9	0.362
14.0 - 15.0	9/16	14.2	57.2	31.8	33.2	34.0	23.9	52.3	63.5	0.494
16.0	5/8	14.2	57.2	31.8	33.2	34.0	23.9	52.3	63.5	0.498
18.0 - 20.0	3/4	15.8	69.9	36.6	38.1	35.3	26.9	57.2	72.1	0.644
22.0	7/8	19.0	79.2	41.1	44.4	40.1	31.8	62.0	80.2	0.961
24.0 - 26.0	1	19.0	88.9	46.0	47.8	45.0	31.8	66.8	88.1	1.140

Turnbuckle - Model TU

Dai. (inch) x Take Up (inch)	Rated Load (ton)	Net Weight (kg)	
		TUEE	TUJJ
1/4 x 4	0.23	0.14	0.18
3/8 x 6	0.54	0.36	0.42
1/2 x 12	1.00	1.00	1.09
5/8 x 12	1.59	1.46	1.70
5/8 x 18		2.09	2.27
3/4 x 12	2.36	2.49	2.63
3/4 x 18		3.13	3.31
1 x 12	4.54	5.00	5.67
1 x 18		6.50	7.17
1-1/4 x 12	6.89	8.62	10.7
1-1/4 x 18		10.9	12.1

Snatch Block - Model BKSH

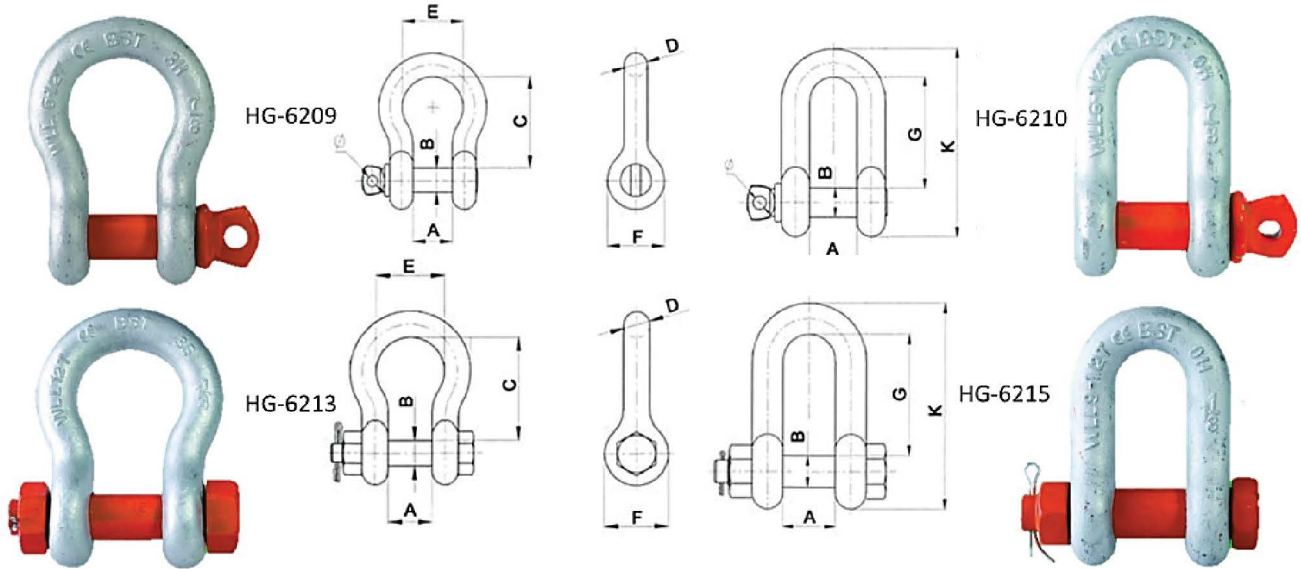
Dia. of Wheel (inch)	Rated Load (ton)	Rope Dia. (mm)	Dimension (mm)			Net Weight (kg)
			H	W	L	
3	0.5	8.0	50	87	268	1.6
4	1.0	10.0	55	112	311	3.5
5	1.5	13.0	63	140	370	4.6
6	2.0	16.0	101	168	442	7.7



- * Safety Factor = 5 : 1
- * According to U.S. Federal Specification FF-T-791b
- * Hot Dipped Galvanized Finish

Anchor (Bow) Shackle Model HG-6209 & HG-6213

Chain (Dee) Shackle Model HG-6210 & HG-6215



Rated Load (ton)	D (inch)	Dimension (mm)										Net Weight (kg)			
		HG-6209 (Screw Pin Type) HG-6213 (Bolt & Nut Type)					HG-6210 (Screw Pin Type) HG-6215 (Bolt & Nut Type)					HG-6209	HG-6213	HG-6210	HG-6215
		A	B	C	E	F	A	B	G	K	F				
0.5	1/4	11.9	8.0	28.0	19.8	15.5	11.9	8.0	19.0	40.4	15.5	0.04	0.05	0.04	0.05
0.75	5/16	13.5	9.5	30.2	21.3	19.0	13.5	9.5	25.0	48.5	19.0	0.08	0.10	0.07	0.10
1.0	3/8	16.8	11.1	35.7	26.2	23.1	16.8	11.1	31.0	58.4	23.1	0.13	0.15	0.12	0.14
1.5	7/16	19.0	12.7	42.2	29.5	26.9	19.0	12.7	36.0	67.6	26.9	0.20	0.21	0.17	0.18
2.0	1/2	20.6	16.0	47.2	33.1	30.2	20.6	16.0	41.0	77.0	30.2	0.31	0.34	0.30	0.32
3.25	5/8	27.0	19.0	60.0	42.0	39.0	27.0	19.0	51.0	96.0	39.0	0.62	0.68	0.57	0.65
4.75	3/4	31.8	22.1	71.0	51.0	47.0	31.8	22.1	60.0	114	47.0	1.00	1.11	0.98	1.03
6.5	7/8	36.6	25.1	84.0	58.0	54.0	36.6	25.1	71.0	134	54.0	1.60	1.66	1.46	1.62
8.5	1	42.9	28.5	95.0	68.0	60.0	42.9	28.5	81.0	152	60.0	2.30	2.35	1.96	2.18
9.5	1-1/8	46.0	31.7	108	74.0	66.0	46.0	31.7	91.0	168	66.0	3.05	3.22	2.75	2.87
12.0	1-1/4	51.5	35.1	119	82.0	76.0	51.5	35.1	100	189	76.0	4.31	4.98	4.11	4.60
13.5	1-3/8	57.0	38.0	131	89.0	84.0	57.0	38.0	111	208	84.0	6.00	6.36	5.20	6.00
17.0	1-1/2	60.5	41.5	148	98.0	92.0	60.5	41.5	124	230	92.0	7.21	8.14	6.81	7.69
25.0	1-3/4	73.0	50.8	177	127	109	73.0	50.8	146	272	109	12.7	14.3	11.3	12.7
35.0	2	82.5	57.1	197	146	127	82.5	57.1	171	314	127	18.2	20.1	16.5	17.9
55.0	2-1/2	104	69.8	267	184	150	104	69.8	203	378	150	40.2	43.6	34.2	37.8

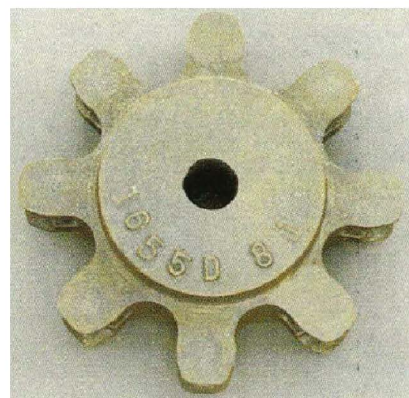
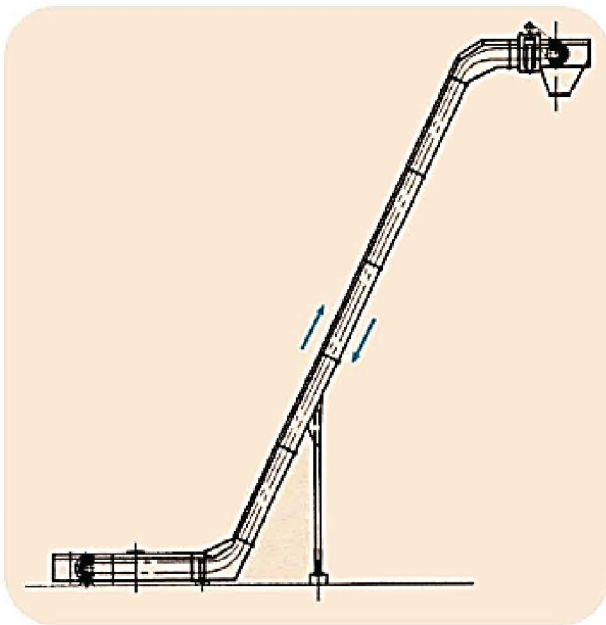
* Safety Factor = 6 : 1

* According to U.S. Federal Specification RR-C-271

* Hot Dipped Galvanized Finished



SKS



- Conveyor System
- Conveyor Chain
- Conveyor Shackle
- Conveyor Bolt&Nut
- Conveyor Coupling
- Conveyor Scraper
- Conveyor Sprocket Wheel

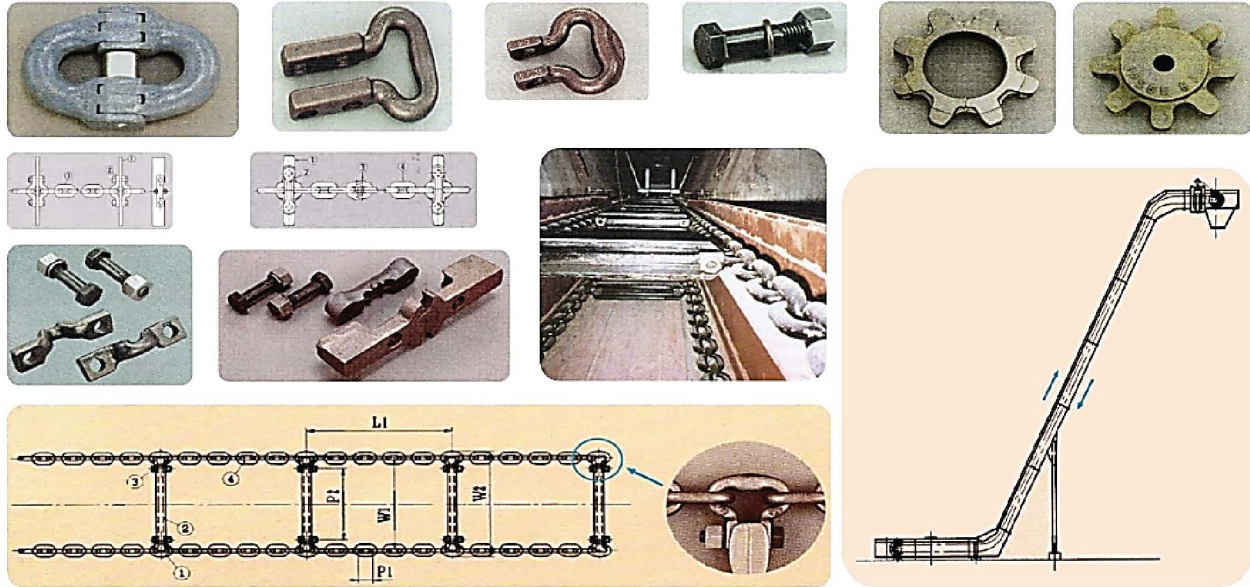
Scan to download
E-Catalog



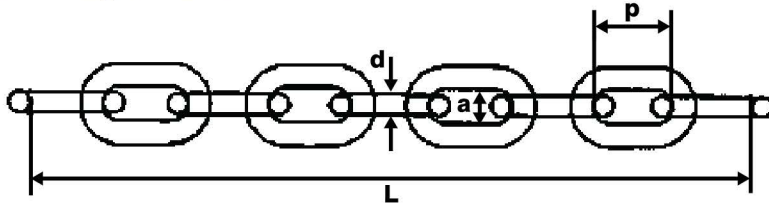


Conveyor System and Parts System & Chain

Conveyor System



Conveyor Chain



Type of Conveyor Chain

- H-C : Standard-strength
- SR-D : High-strength, Wear-resistant
- SR-WH : High Wear-resistant
[Surface Hardness - HV 600 (min)]
- SR-U630: Corrosion-resistant
[SUS 630 / Use below 400°C]
- SR-SUZ : Corrosion-resistant, Wear-resistant

Model	Dimension (mm)				Std. Length (L)		H-C		SR-D		SR-WH		SR-U630		SR-SUZ		Unit Weight (kg/m)
	d	p	a(min)	b(max)	No. of Links	Length (mm)	T.L. (kN)	B.L. (kN)	T.L. (kN)	B.L. (kN)	T.L. (kN)	B.L. (kN)	T.L. (kN)	B.L. (kN)	T.L. (kN)	B.L. (kN)	
1143	11±0.4	43±0.4	12.5	36.5	13	559 ^{+1.9} _{-1.3}	100	150	-	-	-	-	-	-	-	-	2.34
1450	14±0.5	50±0.5	17.0	48.0	15	750 ^{+2.4} _{-1.6}	160	250	160	300	70	150	-	-	80	160	3.95
1655	16±0.5	55±0.5	18.5	52.0	15	825 ^{+2.7} _{-1.8}	210	320	210	400	100	200	210	300	100	200	5.21
1864	18±0.5	64±0.6	21.0	61.0	15	960 ^{+3.2} _{-2.1}	270	410	270	510	160	330	-	-	-	-	6.93
1964	19±0.5	64±0.6	21.0	63.0	15	960 ^{+3.2} _{-2.1}	300	450	300	570	170	350	300	420	140	280	7.36
2064	20±0.6	64±0.6	23.0	67.0	15	960 ^{+3.2} _{-2.1}	330	500	330	630	200	400	-	-	-	-	8.37
2272	22±0.7	72±0.7	26.0	75.0	13	936 ^{+3.2} _{-2.1}	400	610	400	760	-	-	-	-	-	-	10.1
2280	22±0.7	80±0.7	26.0	75.0	11	880 ^{+3.2} _{-2.1}	400	610	400	760	240	480	400	570	190	380	9.65
2286	22±0.7	86±0.8	26.0	75.0	11	946 ^{+3.5} _{-2.3}	400	610	400	760	-	-	-	-	-	-	9.40
2586	25±0.8	86±0.9	27.0	81.0	11	946 ^{+3.5} _{-2.3}	480	720	-	-	-	-	-	-	-	-	11.5
2590	25±0.8	90±0.9	30.0	82.0	11	990 ^{+3.6} _{-2.4}	520	780	520	960	310	620	-	-	240	480	12.5
30108	30±0.9	108±1.0	34.0	97.0	11	1,188 ^{+4.4} _{-2.9}	750	1,130	750	1,270	440	880	-	-	-	-	17.9

* We can produce for other size and other material upon request.

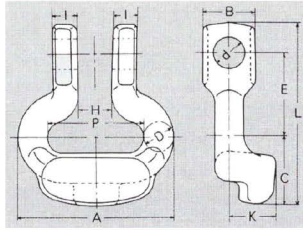
* T.L. = Test Load (ton)

* B.L. = Breaking Load (ton)

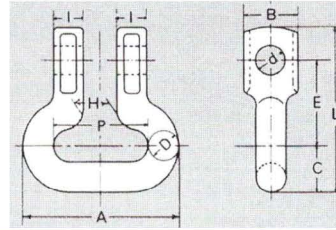
Conveyor Parts Shackle



Conveyor Shackle - C Type



Conveyor Shackle - CA Type

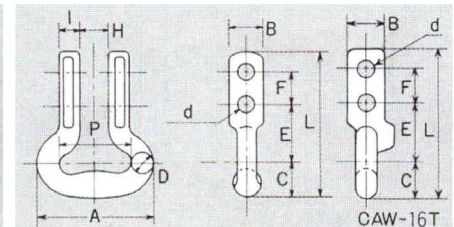


Model	Dimension (mm)												B.L. (kN)	Applicable with			Net Weight (kg)
	D	P	A	B	C	E	H	I	K	L	d	Chain		Scraper	Bolt		
C Type	C-1143	12	43	67	28	27.5	37.5	14	11	20	80	15	120	1143	Made to Order	B-14	0.3
	C1450SR	15	50	80	30	29	42.5	16	13.5	23	94.5	15	150	1450	S14-26	B-14	0.5
	C1655SR	16	54.5	86	30	32	46	18	13	25	94	18	220	1655	S16-27	B-16W	0.6
	C-1864	20	63.5	103.5	43	44	55	21	18	29.5	120	21	380	1864	Made to Order	B-20	1.2
	C6-18 (1964)	20	63	103	35	47	55	20	18	31	122	21	380	1964	Made to Order	B-20	1.1
	C-2590	26	90	142	50	60	75	28	22	41	163	27	650	-	-	-	2.6
CA Type	CA-14	14	50	78	28	23	35	18	11.5	-	72	14	150	1450	S14-26	B-14	0.3
	CAS-14	14.5	50	79	28	23	42.5	18	11.5	-	79.5	14	150	1450	S14-26	B-14	0.32
	CA-16SR	16	55	87	30	29	46	18	13	-	91	18	200	1655	S16-27	B-16W	0.43
	CA-19SR	19	64	102	43	33	55	22	18	-	109	21	320	1864 1964	S18-39	B-20	0.85

* We can produce for other size and other material upon request.

* B.L. = Breaking Load (ton)

Conveyor Shackle - CAW Type



Model	Dimension (mm)											B.L. (kN)	Applicable with		Net Weight (kg)
	D	P	A	B	C	E	F	H	I	L	d		Chain	Bolt	
CAW-14	14	50	78	24	23	40	25	18	11.5	103	12	150	1450	M10x55	0.33
CAW-16 FN	16	55	87	30	26	46	35	17	15	122	17	200	1655	B-16W	0.54
CAW-16 T	16	55	87	35	26	45	35	18	16.5	121	18	250	1655	B-16W	0.70
CAW-19 FT	19	64	102	42	31	55	50	20	19	156	21	300	1864 1964	B-20	1.06
CAW-2280	23	80	126	42	38.5	65	45	25	21	173.5	22	500	2280	B-2094-1	1.80
CAW-2692	27	92	146	52	45	91	65	29	26	230	29	550	2692	M27x120	3.50
CAW-30108	31	108	170	58	51	90	65	34	28	238	32	750	30108	B-30-2	4.20

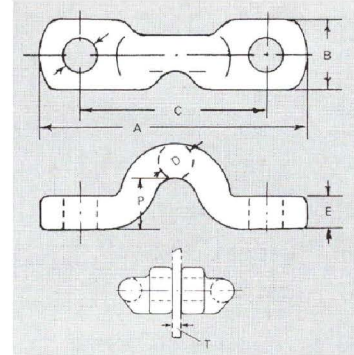
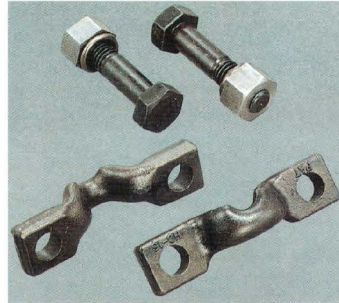
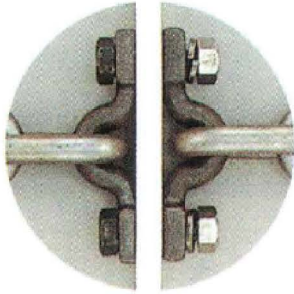
* We can produce for other size and other material upon request.

* B.L. = Breaking Load (ton)



Conveyor Parts Shackle & Bolt&Nut & Coupling

Conveyor Shackle - HC Type (Chain can be replaced partly easily)



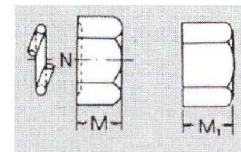
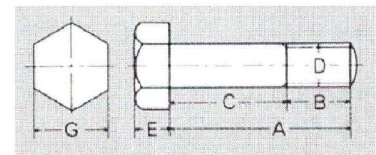
Model	Dimension (mm)								B.L. (kN)	Applicable with		Net Weight (kg)
	D	P	T	A	B	C	d	E		Chain	Bolt	
HC-14	14	20.5	9	115	30	84	14	12	110	1450	B-14	2 x 0.25
HC-16	16	21.5	12	124	30	92	17	14	180	1655	B-16W	2 x 0.30
HC-19	20	24	16	154	35	110	20	20	220	1864 1964	M18x80	2 x 0.85

* We can produce for other size and other material upon request.

* B.L. = Breaking Load (ton)

Conveyor Bolt&Nut

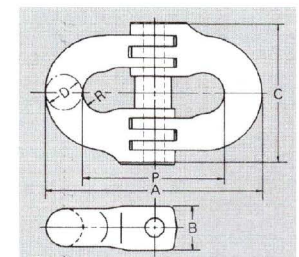
Model	Dimension (mm)								Net Weight (kg)
	A	B	D	E	G	M	N	M1	
B-10	55	20	M10	7	17	-	-	8	0.06
B-14	55	20	W1/2	9	21	10	3.5	-	0.12
B-16W	70	32	W5/8	11	26	16	4	-	0.20
B-20	85	30	M20	15	32	20	5	-	0.40
B-2094	94	30	M20	15	32	20	5	-	0.42
B-24	102	37	M24	17	36	24	5.4	-	0.56
B-27-2	110	45	M27	17	36	-	-	22	0.90



Conveyor Coupling

Model	Dimension (mm)							B.L. (kN)	Applicable with Chain	Net Weight (kg)
	D	P	A	B	C	R	Pin Holes			
SK-11	11	43	65	13	41	6.5	5.5	120	1143	0.15
SK-14	14	50	78	15	52	7.7	6.3	170	1450	0.27
SK-16	16	55	87	18	59	8.7	7.0	250	1655	0.4
SK-20	19.5	64	103	21	72	10.5	8.5	400	1964 2064	0.7
SK-22	23	85	131	26	82	12.5	11.0	500	2286	1.0
SK-30	31	108	170	34	112	17.0	15.0	930	30108	2.6

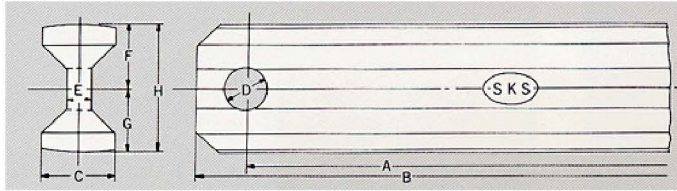
* B.L. = Breaking Load (ton)



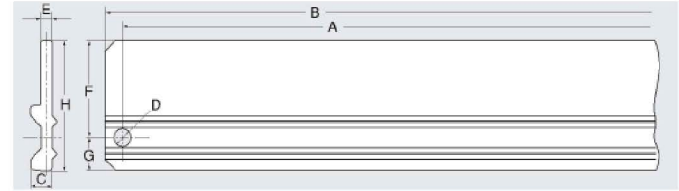
Conveyor Parts Scraper & Bucket Elevator Chain



Conveyor Scraper



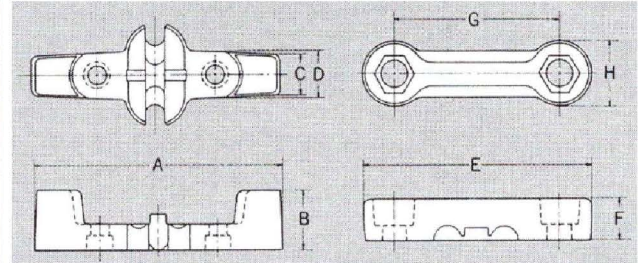
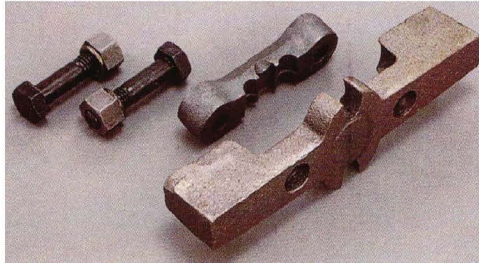
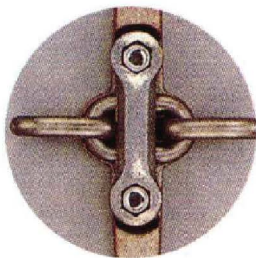
S14-26 / S16-27 / S18-FL



S18-SF

Model	Dimension (mm)								Applicable with		Net Weight (kg)
	A	B	C	D	E	F	G	H	Chain	Shackle	
S14-26	260	290	25	15	13	21.5	26.5	48	1450	C-1450	1.6
S16-27	270	306	30	18	14	23	29	52	1655	C-1655	2.0
S18-FL	Made to Order	Made to Order	36	18	12	31.5	31.5	63	1655	C-1655 CA-16 SR	11.5 per meter
				21					1964	CA-19 SR	
S18-SF	Made to Order	Made to Order	36	18	12	93.5	31.5	125	1655	C-1655 CA-16 SR	15.0 per meter
				21					1964	CA-19 SR	

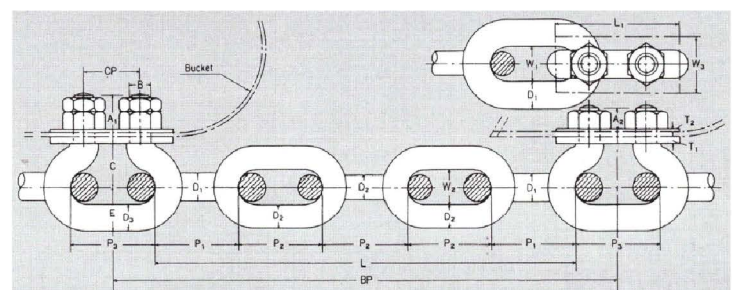
Conveyor Scraper - SC Type (Scraper can be easily fixed to any position along the chain)



Model	Dimension (mm)								Applicable with Chain	Bolt	Net Weight (kg)
	A	B	C	D	E	F	G	H			
S-14C-185	185	46	26	36	130	24	94	36	1450	M12x35 with U-nut	1.9
S-14C-235	235	46	26	36	130	24	94	36			2.2
S-14C-285	285	46	26	36	130	24	94	36			2.8

Bucket Elevator Chain

Bucket Size	Dimension (mm)						
	D ₁	P ₁	W ₁	D ₂	P ₂	W ₂	D ₃
600 / 500 / 450	22	65	28	19	65	26	22
400 / 350	19	60	26	16	60	24	19
300 / 250	16	60	24	13	60	19	16



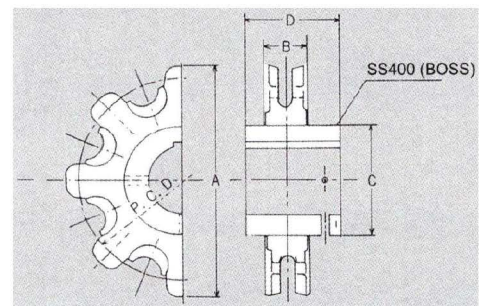
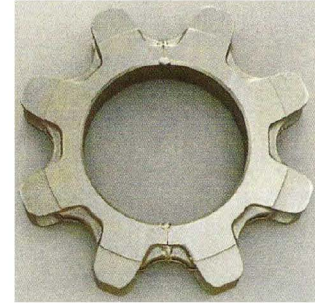
Bucket Size	Dimension (mm)							Plate
	P ₃	B	CP	A ₁	A ₂	C	E	
600 / 500 / 450	75	3/4" 7/8"	50	45 48	32 35	35	35	T ₁ , T ₂ , W ₃ , L ₁ Upon Request
400 / 350	235 65	3/4" 7/8"	50	40 45	30 32	32	32	
300 / 250	285 60	3/4" 7/8"	45	35 40	35 40	28	28	



Conveyor Parts Sprocket Wheel

Conveyor Sprocket Wheel - Machining Type

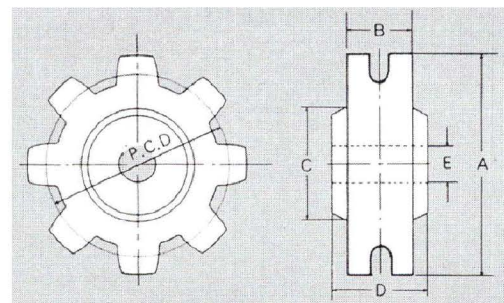
Model	Number of Pocket	P.C.D.	Dimension (mm)			Applicable with Chain
			A	B	C	
W1450M-6	6	193.7	220	52	120	H-1450
W1450M-8	8	256.6	280	52	145	H-1450
W1655M-6	6	213.1	240	62.5	130	H-1655
W1655M-8	8	282.4	320	62.5	172	H-1655
W1864M-6	6	248.0	280	70	130	H-1864
W1864M-8	8	328.6	366	70	175-200	H-1864
W1964M-8	8	328.6	366	70	200	H-1964
W1964M-10	10	409.6	445	68	240	H-1964
W2064M-6	6	248.1	280	70	130	H-2064
W2064M-8	8	328.7	366	70	175-200	H-2064
W2280M-8	8	410.7	450	82	230	H-2280
W2280M-10	10	511.9	556	82	260	H-2280



* We can produce for other size upon request.
* The D dimension can be processed to the requirement.

Conveyor Sprocket Wheel - Casting Type (material FCD-500)

Model	Number of Pocket	P.C.D.	Dimension (mm)					Applicable with Chain	Net Weight (kg)
			A	B	C	D	E		
W1143-6	6	166.5	185	39	90	66	40	H-1143	5.5
W1143-10	10	275.1	298	46	120	70	35	H-1143	15
W1450-6	6	193.7	220	56	110	86	40	H-1450	10
W1450-7	7	225.2	250	56	125	86	40	H-1450	13
W1450-8	8	256.6	280	56	150	86	40	H-1450	21
W1655-6	6	213.1	240	60	130	106	40	H-1655	16
W1655-7	7	247.7	275	60	130	86	50	H-1655	25
W1655-8	8	282.4	310	60	180	106	40	H-1655	35
W1864-6	6	248.0	280	75	140	106	50	H-1864	32
W1864-7	7	288.2	320	70	200	106	50	H-1864	36
W1864-8	8	328.6	365	70	200	106	50	H-1864	50
W1964-8	8	328.6	366	68	220	106	60	H-1964	45



* We can produce for other size upon request.

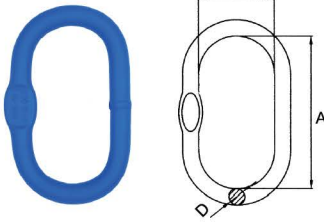


- Grade 100 Components
- Stainless Components
- Lifting Point
- Cable Trolley
- Push Button Switch
- Power Rail
- Crane Accessory
- Load Binder
- Balancer
- Hand Winch
- Snatch Block
- Other Accessories

Scan to download
E-Catalog

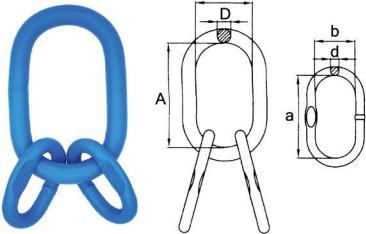


Grade 100 Master Link - Model GQ001



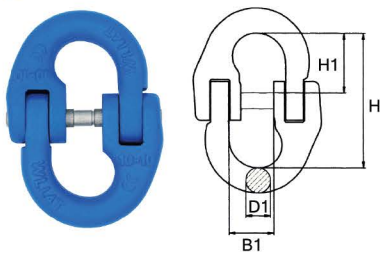
Trade Size	Chain Size (mm)		Rated Load $0^\circ < \beta \leq 45^\circ$ (ton)	Dimension (mm)			Net Weight (kg)
	1-Leg	2-Leg		D	A	B	
76 - 10	6.0 (7.0)	6.0	2.3	13	110	60	0.34
87 - 10	8.0	7.0	3.5	16	110	60	0.53
108 - 10	10.0	8.0	5.0	18	135	75	0.86
1310 - 10	13.0	10.0	7.6	23	160	90	1.60

Grade 100 Master Link Assembly - Model GQ023



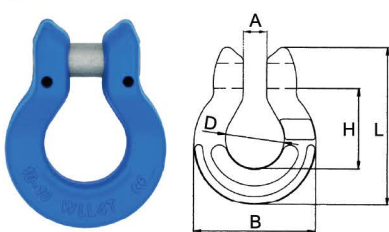
Trade Size	Chain Size (mm) 3-Leg and 4-Leg	Rated Load $0^\circ < \beta \leq 45^\circ$ (ton)	Dimension (mm)						Net Weight (kg)
			D	A	B	d	a	b	
6 - 10	6.0	3.0	19	135	75	13	84	25	1.30
8 - 10	8.0	5.3	23	160	90	16.5	70	35	2.33
10 - 10	10.0	8.0	27	180	100	19	85	40	3.70
13 - 10	13.0	14.0	33	200	110	23	115	50	6.50

Grade 100 Connecting Link - Model GQ005



Trade Size	Chain Size (mm)	Rated Load (ton)	Dimension (mm)				Net Weight (kg)
			B1	D1	H1	H	
6 - 10	6.0	1.4	15.2	7.5	18.0	45.5	0.08
8 - 10	8.0	2.5	19.5	9.3	25.0	62.0	0.18
10 - 10	10.0	4.0	25.0	11.8	28.0	69.8	0.34
13 - 10	13.0	6.7	30.0	15.0	37.0	89.0	0.68

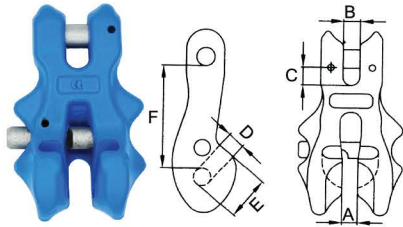
Grade 100 Omega Link - Model GQ007



Trade Size	Chain Size (mm)	Rated Load (ton)	Dimension (mm)					Net Weight (kg)
			A	B	D	H	L	
6 - 10	6.0	1.4	8.0	41	20.5	25.5	52	0.12
8 - 10	8.0	2.5	10.0	52	23.5	34.0	68	0.22
10 - 10	10.0	4.0	12.0	62	31.5	40.5	81	0.36
13 - 10	13.0	6.7	15.5	81	41.0	54.0	108	0.71

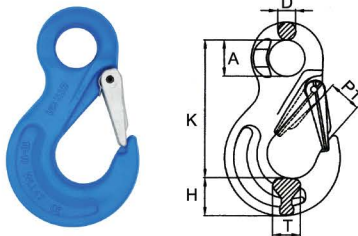
Grade 100 Components Stainless Components

Grade 100 Clevis Chain Clutch with Shelf Pin - Model GQ035



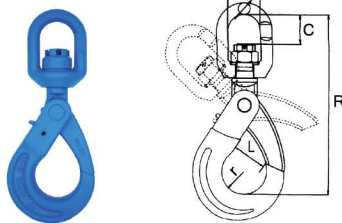
Trade Size	Chain Size (mm)	Rated Load (ton)	Dimension (mm)						Net Weight (kg)
			A	B	C	D	E	F	
6 - 10	6.0	1.4	7	7	10	18	18	50	0.30
8 - 10	8.0	2.5	10	10	10	24	24	56	0.50
10 - 10	10.0	4.0	12	12	12	28	28	66	0.90
13 - 10	13.0	6.7	15	15	16	39	39	88	2.10

Grade 100 Eye Sling Hook with Latch - Model GQ004



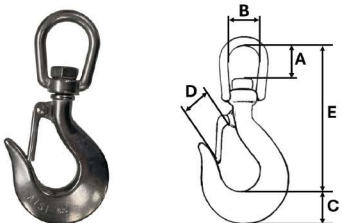
Trade Size	Chain Size (mm)	Rated Load (ton)	Dimension (mm)						Net Weight (kg)
			A	D	H	K	P1	T	
6 - 10	6.0	1.4	20	10.5	21.0	85.0	16	15.0	0.31
8 - 10	8.0	2.5	25	11.8	28.9	104.5	21	18.6	0.61
10 - 10	10.0	4.0	34	17.0	35.0	129.2	27	26.0	1.25
13 - 10	13.0	6.7	43	19.0	42.0	166.0	35	34.8	2.32

Grade 100 Swivel Self Locking Safety Hook - Model GQ012



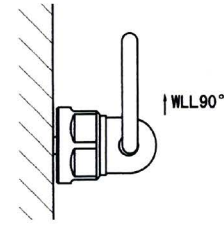
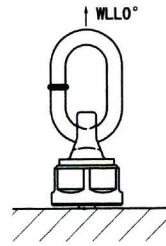
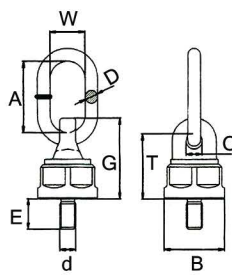
Trade Size	Chain Size (mm)	Rated Load (ton)	Dimension (mm)						Net Weight (kg)
			B	C	D	L	R	r	
6 - 10	6.0	1.4	32	24.5	11.5	28.3	149.5	16.5	0.75
8 - 10	8.0	2.5	35	25.4	12.7	33.7	182.0	21.0	1.25
10 - 10	10.0	4.0	42	32.2	15.0	43.1	215.5	27.5	2.00
13 - 10	13.0	6.7	49	43.0	17.5	50.9	265.5	33.6	4.00

Grade 316 Stainless Steel Sling Hook with Latch



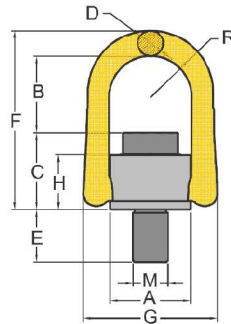
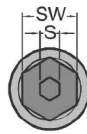
Trade Size	Rated Load (ton)	Dimension (mm)					Net Weight (kg)
		A	B	C	D	E	
0.5 ton	0.5	29	22	24	20	109	0.26
1.0 ton	1.0	30	30	30	19	131	0.51

Grade 80 Lifting Swivel - Model GS503



Model [d x Pitch]	Rated Load (ton)		Dimension (mm)								Net Weight (kg)
	Vertical - 0°	Hinge - 90°	E	A	B	C	D	G	T	W	
M 12 x 1.75	1.00	0.50	18	55	36	15.5	13	52	44	30	0.46
M 16 x 2.00	2.00	1.12	20								0.50
M 20 x 2.50	4.00	2.00	30	85	60	22.5	18	81	69	40	1.57
M 24 x 3.00	6.30	3.15									1.61

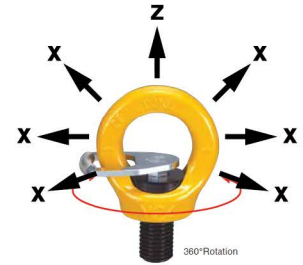
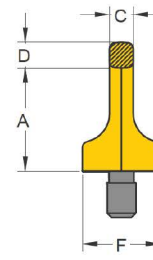
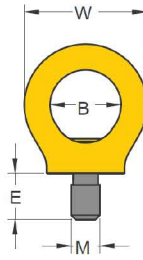
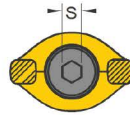
Anchor Point - Model 8-231



Model [d x Pitch]	Rated Load (ton)	Dimension (mm)											Net Weight (kg)
		E	B	C	A	D	F	G	H	R	S	SW	
M 8 x 1.25	0.5	12	42	28	33	11	80	58	23	17	6	13	0.3
M 10 x 1.5	0.7	15	41	29							6	17	0.3
M 12 x 1.75	1.0	18	40	31							8	19	0.3
M 14 x 2.00	1.5	21	56	45	51	17	117	90	36	27	10	22	0.9
M 16 x 2.00	2.0	24	54	46							10	24	0.9
M 18 x 2.50	2.5	27	78	57	65	20	153	108	44	34	12	30	1.9
M 20 x 2.50	4.0	30	52	49	51	17	117	90	36	27	12	30	1.0
M 24 x 3.00	5.0	36	81	59	72	22	162	125	44	37	14	36	2.6
M 27 x 3.00	5.6	38	96	79	87	30	205	148	62	46	17	41	4.9
M 30 x 3.50	7.8	48	94	81							17	46	5.0
M 36 x 4.00	12.5	54	112	98	110	38	246	188	75	57	22	55	9.6
M 42 x 4.50	15.6	63	101	109					83		24	65	10.9
M 48 x 5.00	20.0	72	97	113					27	75	11.6		
M 56 x 5.50	22.0	84	113	123	123	38	273	202	91	64	---	85	15.0
M 64 x 6.00	22.5	96	112	124							---	95	16.3

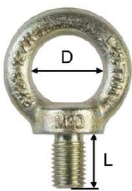
Key Eye Point - Model 8-291K

YOKE



Model [d x Pitch]	Rated Load (ton)		Dimension (mm)								Net Weight (kg)
	Vertical - Z	Hinge - X	E	A	B	C	D	F	S	W	
M 8 x 1.25	1.0	0.3	12	38	25	9	9	25	6	44	0.1
M 10 x 1.50	1.0	0.4	15								
M 12 x 1.75	2.0	0.75	18	45	30	10	11	33	8	52	0.2
M 16 x 2.00	4.0	1.5	24	52	35	14	13	35	10	61	0.4
M 20 x 2.50	6.0	2.3	30	60	40	16	15	44	12	70	0.6
M 24 x 3.00	8.0	3.2	36	72	49	19	18	53	14	84	1.1
M 30 x 3.50	12.0	4.5	45	91	61	24	22	62	17	105	2.1
M 36 x 4.00	16.0	7.0	54	110	73	29	27	76	22	126	3.7
M 42 x 4.50	24.0	9.0	63	128	83	34	32	89	24	147	5.8
M 48 x 5.00	32.0	12.0	72	145	95	38	37	105	27	168	8.6
M 56 x 5.50	34.0	16.0	84	148	102	40	43	124	27	178	11.0
M 64 x 6.00	36.0	18.0	96								11.8

Zinc Plated Eye Bolt (Metric Thread - DIN Standard)



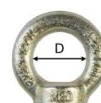
Trade Size [d x Pitch]	Rated Load (ton)	Dimension (mm)		Net Weight (kg)
		D	L	
M 6 x 1.00	0.09	19	15	0.05
M 8 x 1.25	0.14	18	13	0.06
M 10 x 1.50	0.23	23	13	0.11
M 12 x 1.75	0.34	27	20	0.18
M 14 x 2.00	0.50	27	21	0.28
M 16 x 2.00	0.70	32	28	0.29
M 18 x 2.50	0.93	32	28	0.33
M 20 x 2.50	1.20	39	30	0.45
M 22 x 2.50	1.50	37	30	0.67
M 24 x 3.00	1.80	50	35	0.87
M 30 x 3.50	3.60	55	45	1.66
M 36 x 4.00	5.10	70	55	2.65
M 42 x 4.50	7.00	75	65	4.1
M 48 x 5.00	8.60	88	70	6.2
M 64 x 6.00	16.0	114	93	12.4

Zinc Plated Eye Bolt (Metric Thread - JIS Standard)

Trade Size [d x Pitch]	Rated Load (ton)	Dimension (mm)		Net Weight (kg)
		D	L	
M 8 x 1.25	0.08	20	50	0.05
M 10 x 1.50	0.15	25	50	0.08
M 12 x 1.75	0.22	30	50	0.14
M 16 x 2.00	0.45	35	50	0.26
M 20 x 2.50	0.63	40	50	0.40
M 24 x 3.00	0.95	50	65	0.80



*** All Dimension and Net Weight ***
could be changed without notice.



Zinc Plated Eye Nut
are also available.



Stainless Steel types
(SUS304 & SUS316)
are also available.

Cable Trolley - Model CK



CK - 0



CK - 10 ZZ



CK - 100



CK - 200



B - 01



B - 02



B - 03



B - 04



B - 05



B - 06

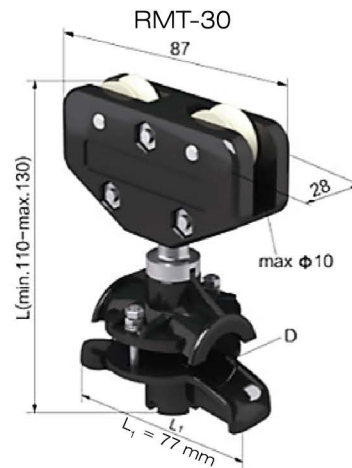
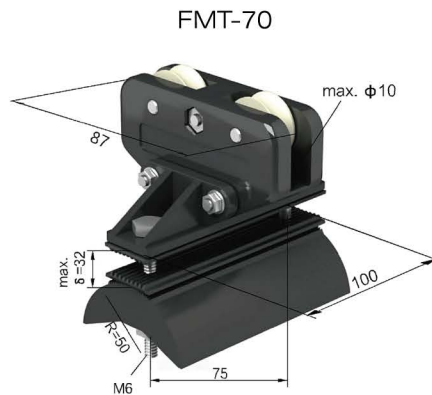


B - 01 RF

Model	Hanger			Base		
	Part No.	Wire Rope Dia. (mm)	Traversing Rail Width (mm)	Part No.	Round Cable Dia. / Flat Cable Width	No. of Round Cable / Flat Cable Thickness
CK - 01	CK - 0	3.0 - 8.0	---	B - 01	10 - 20 mm	1
CK - 02				B - 02	10 - 20 mm	2
CK - 03				B - 03	20 - 30 mm	1
CK - 01 RF				B - 01 RF	Round : 10 - 20 mm Flat : 50 mm	Round : 1 Flat : 10 mm
CK - 11 ZZ	CK - 10 ZZ	5.0 - 16.0	---	B - 01	10 - 20 mm	1
CK - 12 ZZ				B - 02	10 - 20 mm	2
CK - 13 ZZ				B - 03	20 - 30 mm	1
CK - 14 ZZ				B - 04	30 - 45 mm	1
CK - 15 ZZ				B - 05	20 - 35 mm	2
CK - 16 ZZ				B - 06	45 - 70 mm	1
CK - 11 RF				B - 01 RF	Round : 10 - 20 mm Flat : 50 mm	Round : 1 Flat : 10 mm
CK - 101	CK - 100	---	75 - 100	B - 01	10 - 20 mm	1
CK - 102				B - 02	10 - 20 mm	2
CK - 103				B - 03	20 - 30 mm	1
CK - 104				B - 04	30 - 45 mm	1
CK - 105				B - 05	20 - 35 mm	2
CK - 106				B - 06	45 - 70 mm	1
CK - 101 RF				B - 01 RF	Round : 10 - 20 mm Flat : 50 mm	Round : 1 Flat : 10 mm
CK - 201	CK - 200	---	125 - 150	B - 01	10 - 20 mm	1
CK - 202				B - 02	10 - 20 mm	2
CK - 203				B - 03	20 - 30 mm	1
CK - 204				B - 04	30 - 45 mm	1
CK - 205				B - 05	20 - 35 mm	2
CK - 206				B - 06	45 - 70 mm	1
CK - 201 RF				B - 01 RF	Round : 10 - 20 mm Flat : 50 mm	Round : 1 Flat : 10 mm

Cable Trolley for Wire Rope

KOMAY



Model	Dia. of Wire Rope	Dimension of Cable	Max. Weight of Cable (kg)	Temperature Resistance	Max. Travelling Speed (m/min)	Net Weight (kg)
FMT-70	6 - 8 mm (Max. 10 mm)	Flat : Max. Width 75 mm , Max. Thickness 32 mm	12.0	-30°C to +100°C	120	0.2
RMT-30		Round : Max. Dia. 30 mm	8.0			0.2

Other Type of Cable Trolley



Model	Traversing Rail Type	Beam Width (mm)	Dia. of Cable (mm)
CH-2090-1 (2-wheel)	Straight Track	75 / 100 / 125 / 150	10
CH-2090-2 (3-wheel)			

Model	Beam Width (mm)	Dia. of Cable (mm)
KY-OIW075100	75 - 100	10 - 20
KY-OIW125150	125 - 150	



Model	Traversing Rail Type	Round Cable Dia. / Flat Cable Width	No. of Round Cable / Flat Cable Thickness
HS-C30	C30 Track (30 x 32 mm)	10 - 20 mm	Round : 10 - 20 mm
HS-C30RF		Round : 10 - 20 mm Flat : 50 mm	Round : 1 Flat : 10 mm

Model	Dia. of Wire Rope (mm)	Dia. of Cable (mm)
DM-01S	5 - 6 mm	10 & 12
DM-01L		14 & 16

Pendant Type Push Button Switch



Type of Button	Operation	Up - Down : 1-speed / 2-speed
		East - West : 1-speed / 2-speed
		North - South : 1-speed / 2-speed
	Safety	Emergency switch
	On / Off	On - Off
		Start - Stop
Key Switch		
Lamp	Selector : 2-position / 3-position	
	Pilot Lamp : 12V / 24V / 48V / 220V / 380V	

Radio Remote Type Push Button Switch



Type of Button	Operation	Up - Down : 1-speed / 2-speed
		East - West : 1-speed / 2-speed
		North - South : 1-speed / 2-speed
	Safety	Emergency switch
On / Off	On - Off	
	Start - Stop	
Power Supply	AC	24V / 48V / 220V / 380V
	DC	12V / 24V

Power Rail

High Tro-reel & Tro-reel



High Tro-reel type Power Rail

Labels in diagram: middle power feeding, 3P or 4P Rail, Current collector, End tension power in, Runway, Fix square bar, 3P / 4P / 6P Current Collector Arm, 30A / 60A / 100A Carbon Brush.

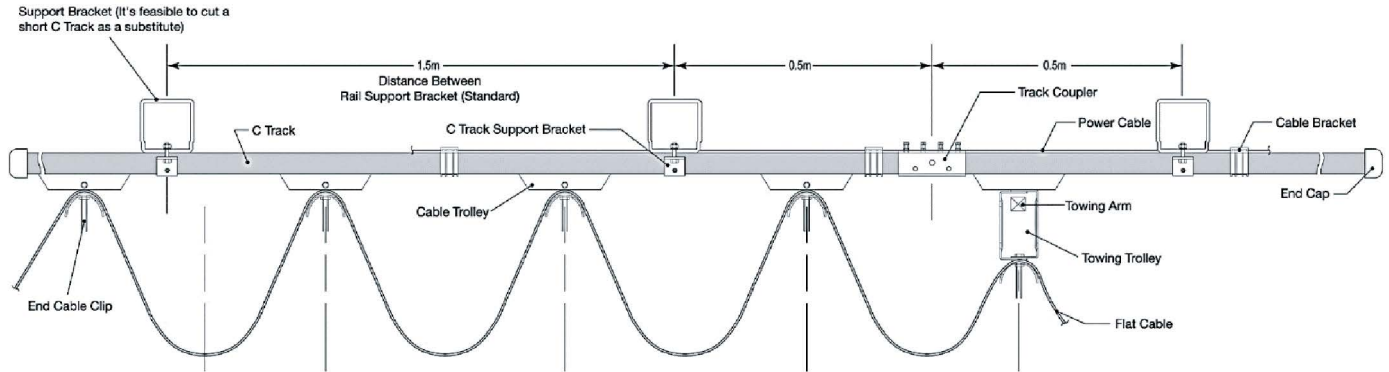
- 3P / 4P / 6P Hanger Clamp
- 3P / 4P / 6P 75A / 100A / 150A / 200A High Tro-reel Rail
- 3P / 4P / 6P Middle Power Feed-in
- 3P / 4P / 6P End Tension & Power In
- Fix Square Bar
- 30A / 60A / 100A Carbon Brush

Tro-reel type Power Rail

Labels in diagram: below 6000mm, below 500mm, below 500mm, below 500mm, Supports & Hanger Clamp, Safety Power Rail, Current Collector & guide, Hanger Correct Bar, Power In, End Tension & Power In.

- 3P / 4P / 6P Hanger Clamp
- 3P / 4P / 6P 75A / 100A / 150A / 200A Tro-reel Rail
- 3P / 4P / 6P Middle Power Feed-in
- 3P / 4P / 6P End Tension & Power In
- Fix Square Bar
- 3P / 4P / 6P 30A / 60A / 100A Current Collector Arm
- 30A / 60A / 100A Carbon Brush

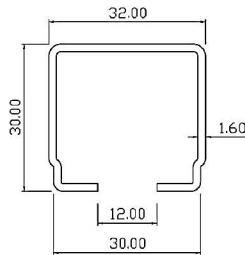
C-rail Type Power Rail



C30 : H 30 mm x W 32 mm



C30 Track



C30 Support Bracket



C30 Track Coupler



C30 End Cap



C30 End Cable Clip



C30 Cable Trolley (Plastic)



C30 Cable Trolley (Steel)



C30 Towing Trolley



C30 Cable Connected Trolley (16P)



C30 Track Clip



C30 Towing Arm

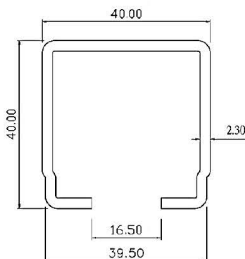


C30 End Stop

C40 : H 40 mm x W 40 mm



C40 Track



C40 End Cable Clip



C40 Cable Trolley (Steel)



C40 Towing Trolley

*** Stainless Steel "SUS304" Material is also available ***

Rotating Limit Switch for 2-speed Traversing Crane



Model	No. of Contact	Rated Insulation Voltage [UI]	Rated Impact Withstand Voltage [UIMP]	Protection Level	Duty of Contact
XLSP54D-PP	CW : 1NC + 1NC CCW : 1NC + 1NC	500 V (Pollution Degree 3)	6 kV	IP65	AC-15 (240VAC 3A)

*** According to EN/IEC 60947-5-1

Warning Light (with Buzzer)

Qlight



Model	Bulb	Buzzer	Voltage	Dimension	Len Color	Protection Level
S100U	24V 10W (24VDC) 12V 10W (220VAC) (LED is optional)	---	24VDC 220VAC	Dia. 100 mm Height 152 mm	Red / Amber Green / Blue	IP44
S100U-BZ		Max. 90dB at 1 m				

*** 48VAC voltage is available (modified).

Current Type Load limiter



No. of Coil	Load Current (A)	No. of Contact	Duty of Contact	Starting Time (s)	Buffering Time (s)	Overload Actuation Time (s)	Working Temp.
2 (H+L)	0.5 - 99.9	2 (1NO/1NC)	250VAC 10A	0.1 - 25	0.1 - 25	0.1 - 25	-25°C to +60°C

Knock down Type Crane End Stop



Beam Width (mm)	Flange Thickness (mm)	Length of Rod (mm)	Max. Speed of Trolley (m/min)	Net Weight (kg)
75 - 300	7 - 25	370	25.0	2.5

Spring Cable Reel

KYEC 坤溢企業



Model	Max. Length [Horizontally Furl]	Max. Poles	Max. Current	Net Weight (kg) [Excluding Cable]
CRS 1	3C x 2.0Sq.mm. ; L=10m	8P	15A	8
CRS 11	3C x 2.0Sq.mm. ; L=13m	8P	15A	10
CRS 2W	3C x 3.5Sq.mm. ; L=18m	12P	30A	14
CRS 216W	3C x 5.5Sq.mm. ; L=16m	12P	30A	16
CRS 3W	3C x 3.5Sq.mm. ; L=25m	12P	30A	18
CRS 4W	3C x 5.5Sq.mm. ; L=18m	16P	40A	32
CRS 4T	3C x 5.5Sq.mm. ; L=27m	16P	40A	41
CRS 4F	3C x 5.5Sq.mm. ; L=38m	16P	40A	45
CRS 4F20	3C x 14.0Sq.mm. ; L=22m	4P	40A	46

Ratchet Type Load Binder



Trade Size	Chain Dia. (mm)	Rated Load (ton)	Min. Breaking Strength (ton)	Net Weight (kg)
5/16" - 3/8"	8.0 - 10.0	2.45	8.62	4.8
3/8" - 1/2"	10.0 - 13.0	4.17	15.0	5.9
1/2" - 5/8"	13.0 - 16.0	5.90	20.9	6.6

Lever Type Load Binder



Trade Size	Chain Dia. (mm)	Rated Load (ton)	Min. Breaking Strength (ton)	Net Weight (kg)
5/16" - 3/8"	8.0 - 10.0	2.45	8.62	3.8
3/8" - 1/2"	10.0 - 13.0	4.17	15.0	5.5
1/2" - 5/8"	13.0 - 16.0	5.90	20.9	8.9

Spring Balancer - Standard



Model	Rated Load (kg)	Wire Rope		Net Weight (kg)
		Stroke (m)	Dia. (mm)	
TSB-1N	0.5 - 1.5	2.0	1.9	0.3
TSB-1	0.5 - 1.5	1.0	1.9	0.45
TSB-3	1.0 - 3.0	1.65	3.18	1.4
TSB-6.5	3.0 - 6.5	1.65	3.18	1.6
TSB-9	4.5 - 9.0	1.3	4.0	3.4
TSB-15	9.0 - 15.0	1.3	4.0	3.8
TSB-22	15.0 - 22.0	1.5	4.76	7.2
TSB-30	22.0 - 30.0	1.5	4.76	7.6
TSB-40	30.0 - 40.0	1.5	4.76	9.8
TSB-50	40.0 - 50.0	1.5	4.76	10.4
TSB-60	50.0 - 60.0	1.5	4.76	11.6
TSB-70	60.0 - 70.0	1.5	4.76	11.8

*** Only TSB-1N has plastic body, others are steel.

Spring Balancer - Long Stroke



Model	Rated Load (kg)	Wire Rope		Net Weight (kg)
		Stroke (m)	Dia. (mm)	
STL-0	0.5 - 1.5	2.0	1.9	0.9
STL-3	1.5 - 3.0	2.7	3.0	2.0
STL-5	2.5 - 5.0	2.7	3.0	2.1

Hand Winch



Model	Rated Load (kg)	Brake Type
W06-516G	725	Brake Disc
HW-1200	540	Pawl & Ratchet
HW-1600	725	
HW-2000	900	
HW-2500	1,130	

Portable Hand Puller



Model	Rated Load (ton)		Wire Rope			Net Weight [with Case] (kg)
	Horizontal Pulling	Vertical Lifting	Dia. (mm)	No. of falls	Length (m)	
HP-01P-2	0.5 (1.0)	0.25 (0.5)	5.0	1 (2)	3.0 (1.5)	3.6

Snatch Block Drum Lifter & Plate Clamp



Heavy Duty Type Snatch Block



Wheel Dia. (inch)	Rated Load (ton)	Dia. of Wire Rope (inch)	Net Weight (kg)	
			Hook Type	Shackle Type
3.0	2.0	3/8	2.26	1.80
4.5	4.0	1/2	5.76	6.26
6.0	8.0	3/4	12.0	12.5

Marine Type Snatch Block



Wheel Dia. (inch)	Rated Load (ton)	Dia. of Wire Rope (mm)	Net Weight (kg)
4.0	2.0	16 - 18	3.2
5.0	3.0	18 - 20	6.7
6.0	5.0	20 - 22	10.8

Closed Type Snatch Block



Wheel Dia. (inch)	Rated Load (ton)	Dia. of Wire Rope (mm)	Net Weight (kg)	
			Single Wheel	Double Wheel
3.0	0.5	8.0	1.55	2.80
4.0	1.0	10.0	2.60	4.30
5.0	1.5	13.0	4.00	7.80
6.0	2.0	16.0	6.5	12.2
8.0	4.0	22.0	12.5	31.0
10.0	5.0	25.0	16.5	48.0

SUS304 Type Snatch Block (Single Wheel)



Wheel Dia. (mm)	Rated Load (kg)	Max. Dia. of Rope (mm)	Overall Length (mm)	Net Weight (kg)
15	35	6.0	60	0.04
20	75	8.0	70	0.06
25	150	11.0	82	0.11
32	250	12.0	95	0.16
50	400	13.0	124	0.37
75	750	15.0	175	0.83
100	1,500	16.5	200	1.56

*** Double wheel type is also available.

Drum Lifter

Rated Load	1.0 ton
Length	690 mm
Dia. of Master Link	13.0 mm
Dia. of Load Chain	6.3 mm
Test Load	2.0 ton
Net Weight	3.6 kg



Horizontal Plate Clamp

Model	Rated Load (ton)	Grab Opening (mm)	Eye Dia. D (mm)	Net Weight (kg)
HLC-1	1.0	1 - 13	72.0	1.6
HLC-2	2.0	3 - 22	96.0	3.9
HLC-3	3.0	12 - 35	80.0	9.0

Other Accessory



Inverter



Main Switch



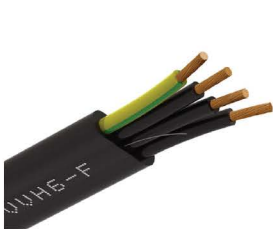
Buzzer



Bumper



F.R. Unit & F.R.L. Unit



Power Cable



Control Cable



Clevis Grab Hook



Eye Sling Hook with Latch



Eye Sling Hook



Automobile Tow Hook



Alloy Steel Swivel Sling Hook with Latch



Snap Hook & Quick Link



Fashion Carabiner



Safety Latch



Pulley Block



Safety Harness



Ratchet Belt



1 to 4-Leg Slings



Turnbuckle



Roller Chain



Aluminium Ferrule



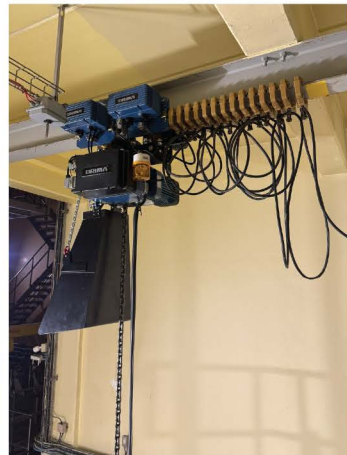
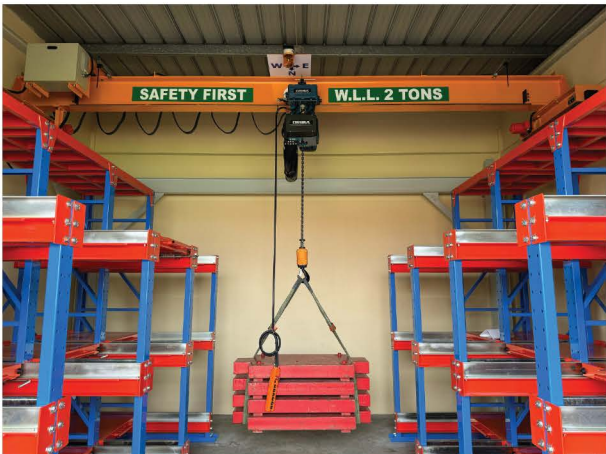
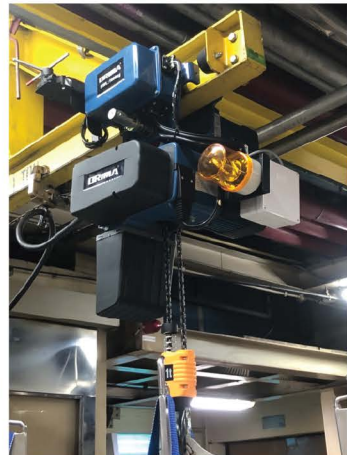
Swivel

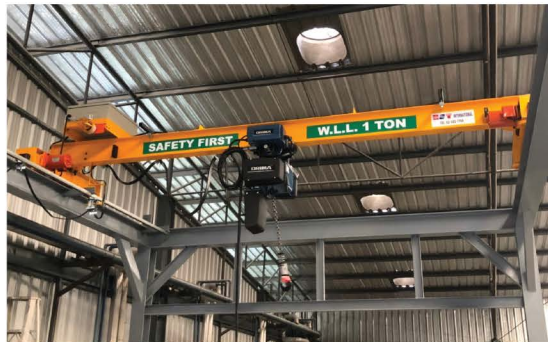


Thimble



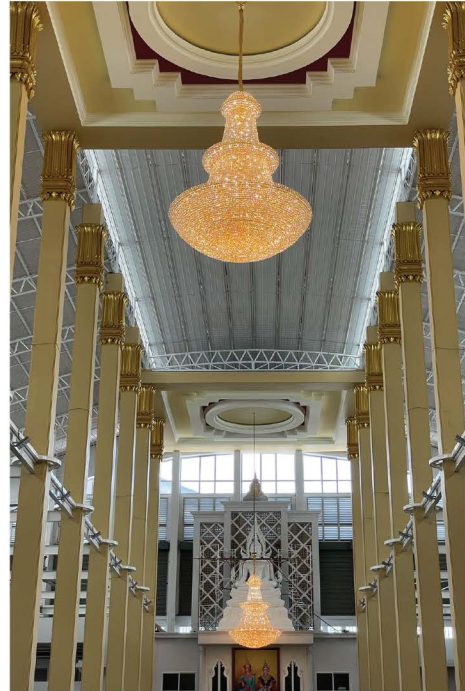
Wire Rope Clip













HST INTERNATIONAL

in association with



HST International Co., Ltd.

2415 Moo.7, Theparak Rd., T. Theparak, A. Muang, Samut Prakarn 10270

Tel: 0-2383-7766 (Auto), 0-2383-7461-7, 080-992-9664 Fax: 0-2383-7469

Website: www.hstinter.com Email: hst@hstinter.com

Scan to contact us :

