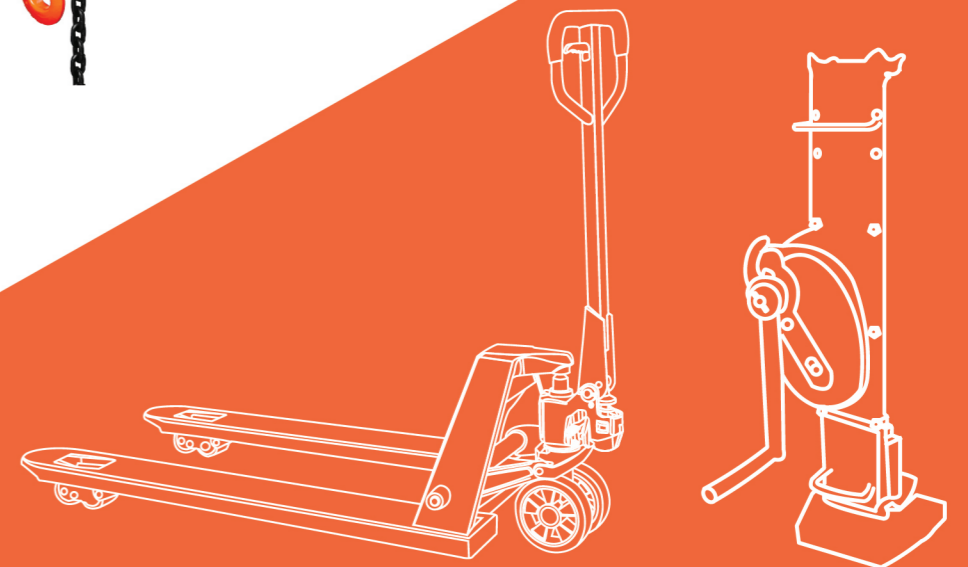
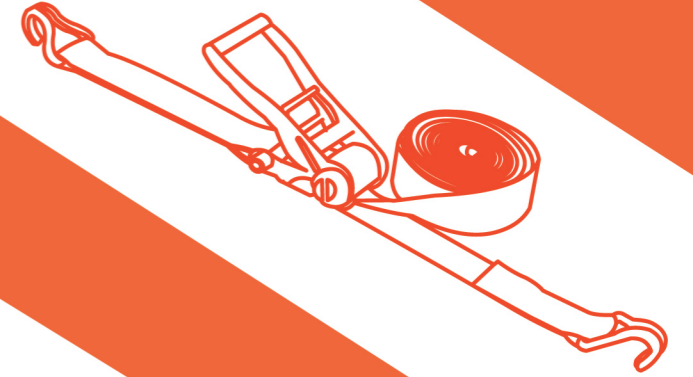




TOYO LIFT



TOYO CHAIN BLOCK MFG. CO.,LTD JAPAN

JAPAN ADD:Edobori Centre,2-1-1 Edbori,  
Nishi-ku, Osaka 550 0002 JAPAN.  
HTTP://toyo-crane.com/



Please scan the code to learn more



Regional distributor



## COMPANY PROFILE

TOYO CHAIN BLOCK MFG.JAPAN . company is joint-stock factory ,specializes in designing and manufacturing of excellent quality of manual chain hoist,lever hoist,electric chain hoist,lifting clamp ,rigging hardware and various high tensile sling.we get good reputation from our usual customer as our good quality ,janpan technical, competitive price .All products,ittings and assemblies are are factory rested and inspected according to stringent international standards. Our QC department promises that every materials are inspected before assembling and 100% products tested and inspected before delivery. all our test machine is from japan high quality equipment .We have a strong R&D Design ability to ensures that you are getting the latest products produced with the most advanced and cost effective technologies.Our products have been exported to many countries and regions throughout the world in Europe,North America,South America ,Australia,South-eastern Asia.South Africa etc.Our products get CE,GS certified. All products supplied and installed are warranted against defects in merchantable quality and workmanship.Our business aim is to provided you the best quality products at the most competitive prices.Theme : CUSTOMER FIRST ,POSITIVE , EMBRACE CHANGE !We expect a long term business relations with our customers,any comments or enquiry from you will receive our most careful and immediate attention, welcome to visit us and contact us.

## SERVICE&QUALITY CONTROL

### Mission statement

#### 1.To our customer

A progressive company providing values enhancing highest performance material lifting parts, products and services in a professional and innovative manner.

#### 2.To our employee

A forward looking company which rewards individuals of hard work and dedication and facilitate them to full potential.

#### 3.To our shareholders

A socially responsible company which yields better returns than other industry to shareholders in suitable ways.

### QUALITY MANAGEMENT SYSTEM

The company is committed to achieving high customer satisfaction through the four(4) pillars of our quality system:

#### CUSTOMER SATISFACTION:

We believe the only way to guarantee Customer Satisfaction is to ensure Process Consistency.Today's quality product supply ensures tomorrow's repeat order.We know and understand the concept that Excellence requires Continuous Improvement.


#### INTERNAL AUDITS:

Our Management Representative and Internal Quality Auditors plan and carryout auditing activities to ensure that the quality system is relevant and effective, Internal and External Audit Reports will be objectively analyzed and where applicable, have recommendations submitted for the continuous improvement of the Quality Management System.

#### QUALITY:

We work closely with our steel suppliers to ensure that the raw material meets our stringent specification.



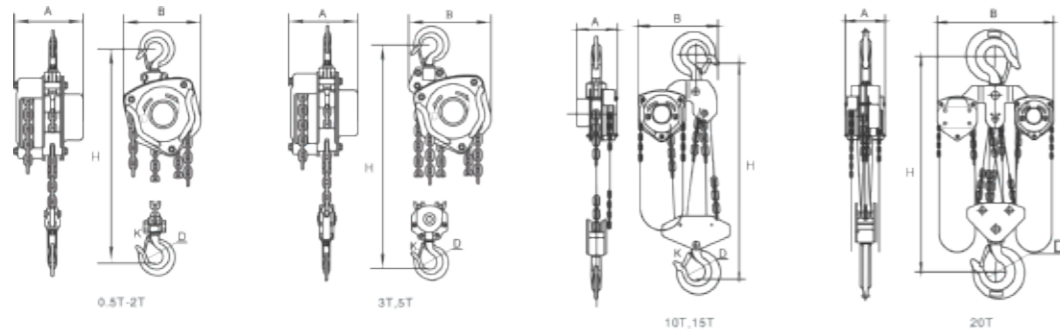
	<b>CHAIN HOIST</b>	←————→	<b>01 - 04</b>
	<b>LEVER HOIST</b>	←————→	<b>05 - 08</b>
	<b>ELECTRIC HOIST</b>	←————→	<b>09 - 20</b>
	<b>TEXTILE SLING</b>	←————→	<b>21 - 24</b>
	<b>TROLLEY SERIES</b>	←————→	<b>25 - 28</b>
	<b>LIFTING CLAMP</b>	←————→	<b>29 - 36</b>
	<b>PULLUY BLOCK</b>	←————→	<b>37 - 37</b>
	<b>CHAIN SLING</b>	←————→	<b>38 - 44</b>
	<b>HOOK &amp; LINK</b>	←————→	<b>45 - 48</b>
	<b>CRANE SCALE</b>	←————→	<b>49 - 49</b>
	<b>LIFTING JACK</b>	←————→	<b>50 - 56</b>
	<b>PULLER &amp; WINCH</b>	←————→	<b>57 - 58</b>
	<b>PALLET TRUCK</b>	←————→	<b>59 - 60</b>
	<b>RIGGING HARDWARE</b>	←————→	<b>61 - 66</b>





## CHAIN BLOCK

- All structural parts made of high quality steel.
- Alloy steel hooks.
- Gear made of alloy steel.
- Strong nut.
- Hollow structure increases strength.
- Casting safety latches.
- All Major components are strictly heat-treated.
- Load chain made by GERMAN machine.
- Emboss logo.
- Galvanized plate.



Model : VT

### SPECIFICATION

Model	Capacity (t)	Standard Lift (m)	Running test(t)	Effort required to lift max load(n)	No. of falls of load chain	Load chain diameter(mm)	Dimensions(mm)				Net weight (kg)	Packing (L*W*H)(cm)
							A	B	D	H		
VT-0.5T	0.5	2.5	0.5	350	1	5	126	145	28	285	8.4	22*14*15
VT-1T	1	2.5	1	330	1	6.3	151	159	32	315	12	25*19*16
VT-1.5T	1.5	2.5	1.5	348	1	7.1	151	178	36	340	16.2	33*24*16
VT-2T	2	3	2	365	1	8	183	205	36	380	20	33*24*19
VT-3T	3	3	3	360	2	7.1	151	208	46	475	24	34.5*24*16
VT-5T	5	3	5	410	2	9	183	264	46	600	41	40*30*19
VT-10T	10	3	10	410	4	9	188	398	57	720	79	48*42*18.5
VT-15T	15	3	15	435	6	9	190	580	75	870	120	69*56*20
VT-20T	20	3	20	435*2	8	9	192	630	82	890	193	78*68*20
VT-30T	30	3	30	435*2	12	9	330	670	106	1000	220	85*67*30
VT-50T	50	3	50	435*2	22	9	410	900	130	1950	1092	110*100*130

## FEATURES



**DOUBLE PAWL SPRING MECHANISM TO FURTHER INCREASE SAFETY**  
In case on pawl spring is damaged, the other maintains functions. This mechanism further increases safety.

Special heat treated hook, will never broken even under overload situation.

**2 TON** Embossed Logo and Capacity for permanent identification.

High strength alloy steel gears with special heat treatment to increase the strength.

Special pitch length, match hand wheel very well saving pulling force and no block during chain moving.

Rn type chain stop, easy disassembled Casting chain stop is optional.

High strength G80 Alloy Steel Load Chain.

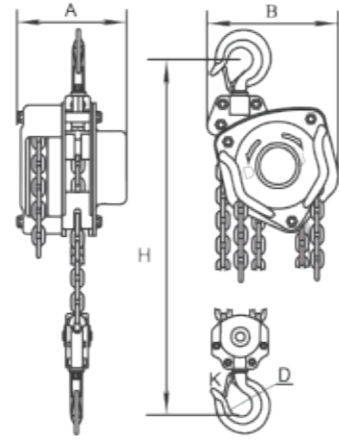
Special hook tip design, prevent latch slip out of hook, more safety.

**LOAD CHAIN GUIDE MECHANISM**  
Machined load wheel providing better match. Chain guide mechanism in flanged load sheave and guide roller facilitate smooth movement of load chain.



## CHAIN BLOCK

- Light weight robust construction;
- Low effort to lift maximum load;
- Fully forged hooks;
- Fully machines lift wheel;
- ISO high grade alloy chain;
- Zinc plated hand chain as standard;
- Double cover protection;
- Durable baked enamel paint protection;
- Overload protection device available upon request.



Model :VB



Overload Protection Device



Sealed Roller Bearings



Ratchet disk



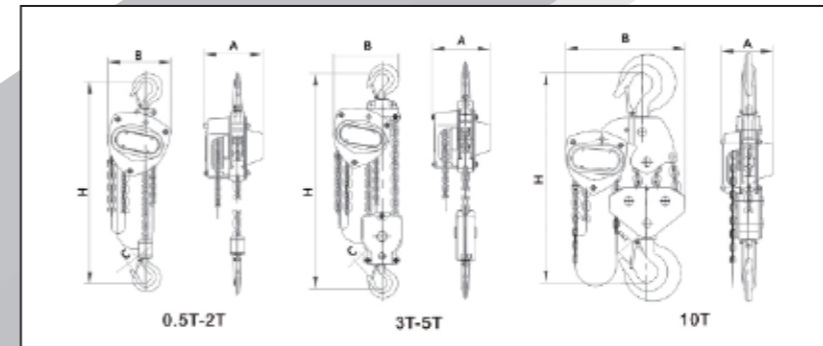
Unique Curled Edge

### SPECIFICATION

Model	VB-0.5	VB-1	VB-1.5	VB-2	VB-3	VB-5	VB-10	VB-20	VB-30	VB-50
Capacity load(t)	0.5	1	1.5	2	3	5	10	20	30	50
Standard lift(m)	2.5	2.5	2.5	3	3	3	3	3	3	3
Running testload(kn)	7.5	15	22.5	3	4.5	7.5	15	30	45	70
Effort required to lift max.load(N)	200(20.5)	320(32.5)	360(36.5)	365(37)	385(39)	435(44.3)	435(44.3)	435x2(44.3x2)	435x2(44.3x2)	435x2(44.3x2)
Load chain diameter number of falls(mm)	6.0x1	6.0x1	8.0x1	8.0x1	8.0x2	10.0x2	10.0x4	10.0x8	10.0x12	10.0x22
The distance of hand chain pulling when lifting height go up 1meter (mm)	32	40	72	72	144	158	316	636x2	948x2	1738x2
Net weight(kg)	8.4	11	16.2	18.5	25.6	42.8	79.5	193	220	1092
Extra weight meter of extra lift(kg)	1.7	1.7	2.3	2.3	3.7	5.6	9.7	19.4	26.4	48.4
Dimensions(mm)	A	131	140	161	161	186	207	215	350	406
	B	127	158	187	187	210	253	398	650	962
	C	270	317	399	414	465	636	798	890	1380
	D	35	40	45	50	58	64	85	110	110
K	30	34	38	41	48	52	64	85	85	130
Packing measurement (L*W*H)(cm)	22x15x19.5	23x18x19.5	28x21x24	28x21x24	32x21x26	40x21x21	64x21x21	64x38x64	72x50x68	110x100x130

## CHAIN HOIST

- All Steel Construction-Impact resistant covers that provided durability and protection.
- Double pawls and double guide rollers enhance performance, safety and reliability,
- Unique curling design-This feature enables the hand chain to successfully feed directly into the wheel sprocket from many directions and angles.
- Grade 80 load chain-Grade 80 black oxide coated load chain for durability.
- Forged alloy Steel Hooks-Industrial rated hooks rotate 360 degrees for easy rigging.Hooks slowly stretch.to indicate an overload situation increasing jobsite safety.
- Sealed roller bearings-Greatly improving performance and serve safety of the product. certification-Load tested to 150% of capacity with certificate.



Model :VD



Sealed Roller Bearings



Casting Guide Wheel



Unique Curled Edge

### SPECIFICATION

Model	Capacity (t)	Standard Lift (m)	Running test(t)	Effort required to lift max load(n)	No.of falls of load chain	Load chain diameter(mm)	Dimensions(mm)				Net weight (kg)	Packing (L*W*H)(cm)
							A	B	C	H		
VD-0.5T	0.5	2.5	0.75	240	1	5	132	148	28	345	11	24*19*18
VD-1T	1	2.5	1.5	250	1	6	151	172	32	376	12.5	28*21*21
VD-1.5T	1.5	2.5	2.25	265	1	7.1	173	196	36	442	17.8	34*26*20
VD-2T	2	3	3	363	2	8	175	210	36	470	19.5	34*26*20
VD-3T	3	3	4.5	343	2	10	176	230	46	565	29	34*26*20
VD-5T	5	3	7.5	360	2	9	189	280	46	688	41.3	41*32*24
VD-10T	10	3	15	380	4	9	189	463	57	765	78.5	48*42*18.5



## LEVER HOIST

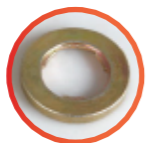
- All steel construction.
- Compact design.
- Double pawl braking system.
- Fully forged hooks.
- Long - lasting powder coating protection.
- High standard G80 load chain (black or galvanized).



Grip ring



Retaining Plate assembly



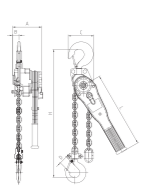
braking



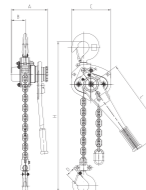
change



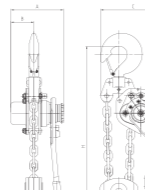
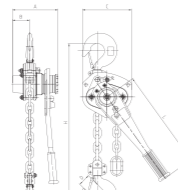
Safety Stop knob



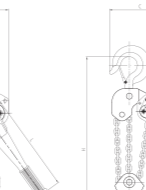
0.5T



0.75-3T



6T



9T



Model :VL



## LEVER HOIST

- The adoption of low-alloy structural steel plate, safe, reliable and durable.
- G80 high strength load chain, high safety factor and long service life.
- Steady rotation, high efficiency, small lever force.
- Products certified by CE and GS.
- Double pawl keep safe and reliable.
- The products have been widely used in nuclear power, thermal power transmission and transmission etc.
- Optional overload protection.



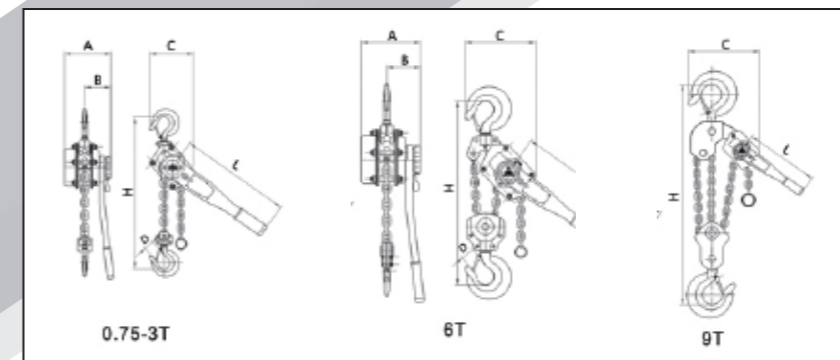
Stamping Handwheel



Overload Protection Handwheel



Overload Protection Device



0.75-3T

6T

9T



Model :VJ

### SPECIFICATION

MODEL	Load Capacity(t)	Standard Lift(m)	Running Test(t)	Effort required to lift max load (N)	Load Chain		Lifting Motor						Net Weight (kg)	Packing (L*W*H)(cm)	Extra weight meter of extra lift (kg)
					Chain Fall Number	Diameter (mm)	H	A	B	C	D	L			
VL0.5	0.5	1.5	0.75	330	1	5	270	105	24	85	31	265	3.5	33.5x12.5x9	0.55
VL0.75	0.75	1.5	1.125	230	1	6.3	303	150	55	128	32	254	6.6	34x12x17	0.88
VL1	1	1.5	1.5	250	1	6.3	303	150	55	128	32	254	6.6	34x12x17	0.88
VL1.5	1.5	1.5	2.25	295	1	7.1	365	165	64	149	36	366	11	45x16x18	1.12
VL2	2	1.5	3	315	1	7.1	365	165	64	149	36	366	11	45x16x18	1.12
VL3	3	1.5	4.5	414	1	9	485	195	85	182	46	366	17	47x20x21	1.78
VL6	6	1.5	9	430	2	9	600	195	85	240	46	366	27.5	47x20x21	3.74
VL9	9	1.5	13.5	430	3	9	700	195	85	335	57	366	47	62x48.5x26	5.61

### SPECIFICATIONS

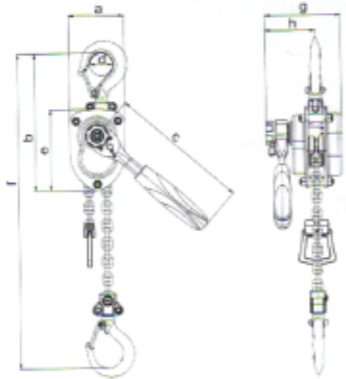
Model	Capacity (t)	Standard Lift (m)	Running test(t)	Effort required to lift max load(n)	No. of falls of load chain	Load chain diameter(mm)	Dimensions(mm)						Net weight (kg)	Packing (L*W*H)(cm)	
							A	B	C	D	L	H			
VJ-0.5T	0.5	1.5	0.75	140	1	5	102	80	95					3.5	33.5*12.5*9
VJ-0.75T	0.75	1.5	1.125	140	1	6	148	87.5	135	32	290	320		7	37*14*17
VJ-1T	1	1.5	1.5	140	1	6	148	88	135	32	290	320		7.5	37*14*17
VJ-1.5T	1.5	1.5	2.25	240	1	8	175	102	157	36	415	380		11	52*14*18
VJ-2T	2	1.5	3	240	1	8	176	102	155	36	415	380		11.5	52*14*18
VJ-3T	3	1.5	4.5	320	1	10	195	109	210	45	415	480		19	55*16*21
VJ-5T	5	1.5	7.5	340	2	10	195	109	253	45	415	600		32	55*16*21
VJ-9T	9	1.5	11.25	360	3	10	195	109	319	57	415	700		47	62*48.5*26



## MINI LEVER HOIST

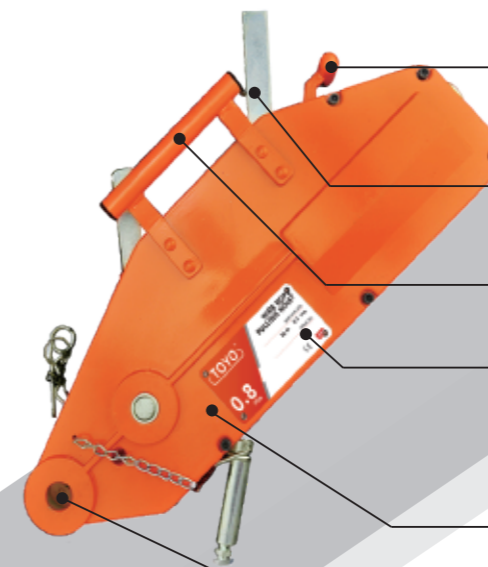
**HSH Lever Hoist is an efficient and versatile lifting tool.** Superior Grade 100load chain-chrome plated. Forged and heat treated load hooks with batch trace ability and stretch indicators. Double pawls brake system

MINI HSH Specification				
Capacity(kg)	250	500	750	
Standard lift(m)	1.5	1.5	1.5	
Test load(kg)	375	750	1125	
Hand-pull to lift(n)	260	260	200	
Extra weight for one meter chain added(kg/m)	0.346	0.346	0.541	
Load chain(dia.Xpitch)(mm)	φ4x12	φ4x12	φ5x15	
A	62	70	92	
B	158	194	230	
C	156	156	232	
Dimensions(mm)	D	30	35	38
E	84	105	136	
F	240	300	350	
G	96	116	128	
H	77	79	84	
N.W./G.W.(kg)	2.15/2.2	3.1/3.2	4.75/4.85	



Model :HSH

## WIRE ROPE PULLING HOIST (TIRFOR)



Model :ZNL

### Rope clamp system

Easily disengaged with a lever allowing smooth installation of the wire rope.

### Backward lever&Forward lever

Placed in tandem providing a slim design and assuring power transfer along the center.

### Spares hear pins

Two spares hear pins located in the carrying handle.

### Stamped serial number

for easy identification.

### High strength cast aluminium alloy body

Lightweight, simple to operate, Smooth contour design with large, flat bottom surface for increased stability in horizontal as well vertical working position.

### Anchor bolt

Offers numerous and versatile connection possibilities with load hooks, sling ropes and sling chains.

### Galvanized steel wire rope mounted on a reel

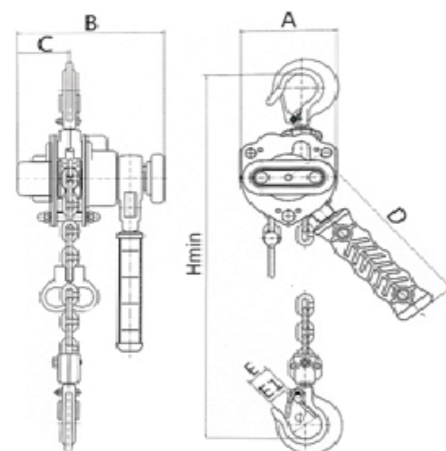
Every rope is operationally tested to 150% of the rated capacity and issued with an individual test certificate.



### Adjustable handle

For easy operation.

## V3 LEVER BLOCK



Model	Capacity (T)	Standard lift (ft)	Min. Distance between hooks(in.) "A"	No.of falls	Load chain diameter (mm)	Lift per full turn (in.)	Lbs. Pull to Lift capacity	Lever Length (in.) "B"	(in.) "C"	Overall width (in.) "D"	Hook Throat Opening (in.) "E"	Net weight (lbs)
V3-25- 5	0.25	5	1.40	1	3.2	0.42	44.97	5.71	2.68	3.43	0.83	3.53
V3-25-10	0.25	10	1.40	1	3.2	0.42	44.97	5.71	2.68	3.43	0.83	4.41
V3-25-15	0.25	15	1.40	1	3.2	0.42	44.97	5.71	2.68	3.43	0.83	5.29
V3-50- 5	0.5	5	1.65	1	4.3	0.33	54.01	6.30	3.19	3.96	0.96	5.51
V3-50-10	0.5	10	1.65	1	4.3	0.33	54.01	6.30	3.19	3.96	0.96	7.05
V3-50-15	0.5	15	1.65	1	4.3	0.33	54.01	6.30	3.19	3.96	0.96	8.60

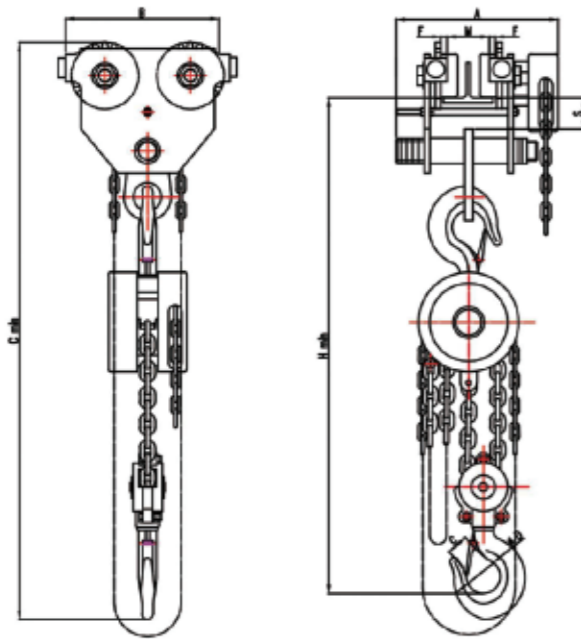
### ZNL Specification

Item No.	ZNL 08	ZNL 16	ZNL 32	ZNL 54
Lifting capacity(kg)	800	1600	3200	5400
Pulling capacity(kg)	1300	2800	6000	10125
Tested to(kg)	1500	3000	6000	10125
Steel wire rope dia.(mm)	IWRC8.3	IWR11	IWRC16	IWRC20
Wire rope safety factor load capacity(kg)	5xWLL	5xWLL	5xWLL	5xWLL
Breaking strength of wire rope(kg)	5430	9680	17200	27000
Overall structure breaking strength(kg)	4xWLL	4xWLL	4xWLL	4xWLL
Safety device	Safety pins	Safety pins	Safety pins	Safety pins
Net weight wire rope (20m)	7	12	24	45.5
Net weight (without wire Rope)(kg)	6.4	12	23	54.5

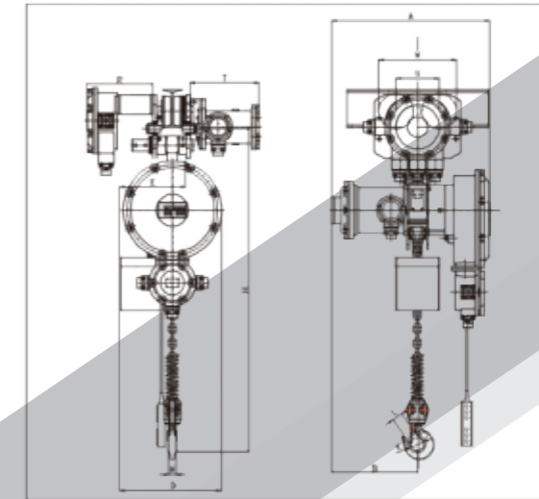


## HBSQ-Z

type explosion-proof chain hoist (combinde)



## EXPLOSION-PROOF ELECTRIC CHAIN HOIST



### TECHNICAL PARAMETERS

### TECHNICAL PARAMETERS

MODEL	Capacity (t)	Test load (kn)	Standard Lifting height (m)	Hand pull (horizontal straight) N	Dimension (mm)					Track width (mm)	Net weight (kg)	
					B	S	Hmin	C	F		GABL	GGBT
GABL1	1	1.5	3	50	245	170	170	170	90-122	90-122	15	13
GGBT1	1	1.5	3	50	245	170	170	170	90-122	90-122	15	13
GABL2	2	3	3	90	245	190	190	190	102-152	102-152	20	17
GGBT2	2	3	3	90	245	190	190	190	102-152	102-152	20	17
GABL3	3	4.5	3	95	275	220	200	200	110-165	110-165	26	23
GGBT3	3	4.5	3	95	275	220	200	200	110-165	110-165	26	23
GABL5	5	7.5	3	140	350	240	210	210	122-172	122-172	34	30
GGBT5	5	7.5	3	140	350	240	210	210	122-172	122-172	34	30
GABL10	10	15	3	240	380	265	230	230	130-210	130-210	51	47
GGBT10	10	15	3	240	380	265	230	230	130-210	130-210	51	47
GABL20	20	30	3	250	420	265	320	320	130-210	130-210	115	106
GGBT20	20	30	3	250	420	265	320	320	130-210	130-210	115	106

Type	Lifting Motor						Operating Motor						I-Beam (mm)	
	Capacity (t)	Lifting Speed (m/min)	Power (kw)	Rotation Speed (r/min)	Phases	Voltage (v)	Frequency (hz)	Power (kw)	Rotation Speed (r/min)	Operating Speed (m/min)	Phases	Voltage (v)		Frequency (hz)
HHBDB1-3	1	6.8	1.5	1440	3	220-440	50/60	0.4	1440	10-20	3	220-440	50/60	80/160
HHBDB2-3	2	6.8	3.0	1440	3	220-440	50/60	0.4	1440	10-20	3	220-440	50/60	82-160
HHBDB2-3	2	3.4	1.5	1440	3	220-440	50/60	0.4	1440	10-20	3	220-440	50/60	82-160
HHBDB3-3	3	5.4	3.0	1440	3	220-440	50/60	0.4	1440	10-20	3	220-440	50/60	100-178
HHBDB3-3	3	3.4	3.0	1440	3	220-440	50/60	0.4	1440	10-20	3	220-440	50/60	100-180
HHBDB5-3	5	2.7	3.0	1440	3	220-440	50/60	0.75	1440	10-20	3	220-440	50/60	110-170
HHBDB10-3	10	2.8	3.0*2	1440	3	220-440	50/60	0.75*2	1440	10-20	3	220-440	50/60	130-200
HHBDB15-3	15	1.9	3.0*2	1440	3	220-440	50/60	0.75*2	1440	10-20	3	220-440	50/60	140-200
HHBDB20-3	20	1.4	3.0*2	1440	3	220-440	50/60	0.75*2	1440	10-20	3	220-440	50/60	140-200
HHBDB25-3	25	1.1	3.0*2	1440	3	220-440	50/60	0.75*2	1440	10-20	3	220-440	50/60	150-220
HHBDB30-3	30	0.9	3.0*2	1440	3	220-440	50/60	0.75*2	1440	10-20	3	220-440	50/60	150-220
HHBDB35-3	35	0.7	3.0*2	1440	3	220-440	50/60	/	/	/	/	/	/	/

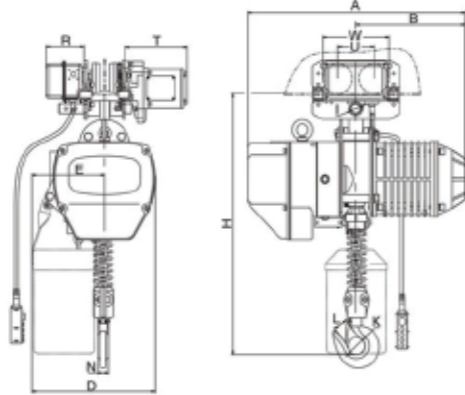
Type	Capacity (t)	Unit (mm)											Chain
		H	A	B	D	E	K	L	N	M	J	Q	
HHBDB1-3	1	600	657	377	300	176	Φ40	31	24	/	/	/	Φ 7.1
HHBDB2-3	2	800	745	397	430	265	Φ49	35	30	/	/	/	Φ 10.0
HHBDB2-3	2	750	654	377	300	230	Φ49	35	30	/	/	/	Φ 7.1
HHBDB3-3	3	845	654	397	430	265	Φ59	42	35	/	/	/	Φ 11.2
HHBDB3-3	3	950	745	397	430	320	Φ59	42	35	/	/	/	Φ 10.0
HHBDB5-3	5	1030	745	397	430	325	Φ60	45	43	/	/	/	Φ 11.2
HHBDB10-3	10	1400	794	397	890	445	Φ90	70	50	/	/	/	Φ 11.2
HHBDB15-3	15	1360	794	397	1030	/	Φ110	80	85	88	Φ 70	520	Φ 11.2
HHBDB20-3	20	1250	794	397	1220	/	Φ110	80	85	88	Φ 70	/	Φ 11.2
HHBDB25-3	25	1700	794	397	1315	/	Φ140	100	95	96	Φ 80	/	Φ 11.2
HHBDB30-3	30	1640	914	457	1380	/	Φ140	100	95	300	Φ 80	/	Φ 11.2
HHBDB35-3	35	1890	914	457	1600	/	Φ140	140	135	300	/	/	Φ 11.2



## ELECTRIC HOIST WITH TROLLEY



- INVERTER ADVANTAGE:**  
 Good protection for the motor, could extend the motor life, start smooth, so that the motor heat and noise are less than before.
- DOUBLE SPEED ADVANTAGE:**  
 1. With double speed is the latest generation setting, for slow speed could be control the speed based on the actual use of customer requirements.  
 2. The hoist with double speed is mainly used in the precise controlling the lifting height, to ensure accurate positioning of the lifting objects.
- SIDE MAGNETIC BRAKING DEVICE:**  
 This device shall realize the instant brake in case of the power dump.
- CHAIN BAG:** It shall be light, handsome and durable.

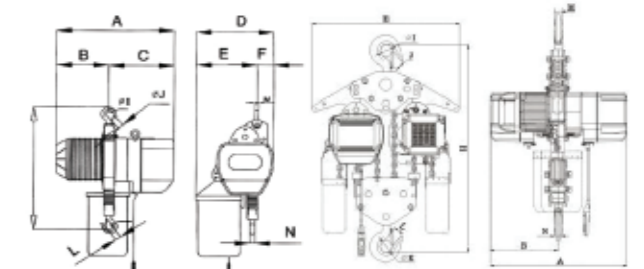


### TECHNICAL PARAMETERS

Product Code	Capacity (t)	Lifting Height (m)	Lifting Speed (m/min)	Power (kw)	Rotation Speed (r/min)	Phases	Lifting Motor Voltage(v)	Frequency (hz)	Power (kw)	Operating Rotation Speed (r/min)	Motor Operating Speed (m/min)	Phases	Voltage (v)	Frequency (hz)	I-Beam (mm)
HHBD 0101	1	3/9	6.6	1.5	1440	3	220-440	50/60	0.4	1440	11/21	3	220-440	50/60	58-153
HHBD 0151	1.5	3/9	8.8	3.0	1440	3	220-440	50/60	0.4	1440	11/21	3	220-440	50/60	82-178
HHBD 0201	2	3/9	6.6	3.0	1440	3	220-440	50/60	0.4	1440	11/21	3	220-440	50/60	82-178
HHBD 0202	2	3/9	3.3	1.5	1440	3	220-440	50/60	0.4	1440	11/21	3	220-440	50/60	82-178
HHBD 0251	2.5	3/9	5.4	3.0	1440	3	220-440	50/60	0.75	1440	11/21	3	220-440	50/60	100-178
HHBD 0301	3	3/9	5.4	3.0	1440	3	220-440	50/60	0.75	1440	11/21	3	220-440	50/60	100-178
HHBD 0302	3	3/9	4.4	3.0	1440	3	220-440	50/60	0.75	1440	11/21	3	220-440	50/60	100-178
HHBD 0303	3	3/9	2.2	1.5	1440	3	220-440	50/60	0.75	1440	11/21	3	220-440	50/60	100-178
HHBD 0502	5	3/9	2.7	3.0	1440	3	220-440	50/60	0.75	1440	11/21	3	220-440	50/60	100-178
HHBD 1004	10	3/9	2.7	3.0	1440	3	220-440	50/60	0.75	1440	11/21	3	220-440	50/60	150-220

## ELECTRIC CHAIN HOIST HHBD

- SHELL:** Light aluminium alloy shell shall be adopted which is light but hard and fit for the use in the terrible work environment with a high heat dissipation rate and all tightness design.
- INVERSE PHASE SEQUENCE PROTECTING DEVICE:**  
 It is the special electrical installation which control the circuit not to work in case of wiring error in the power supply.
- LIMIT SWITCH:** The limit switch device is installed where the weight is lifted on and off to make the motor to stop automatically so as to prohibit the chains from exceeding for safety.
- 24V/36V DEVICE:** It is used to prohibit the emergencies from occurring in case of the leakage in the switch.



Model :HHBD

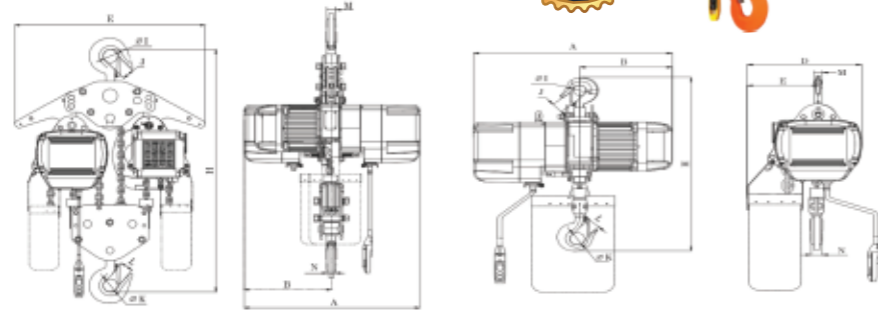
### SIZE SPECIFICATION

Product code	Capacity (t)	Unit(mm)														Chain
		H	A	B	D	E	I	K	L	N	E	U	R	T		
HHBD0101	1	650	520	260	300	176	Φ31	Φ42	32	24	206	111	142	231	Φ7.1	
HHBD0151	1.5	770	615	295	430	265	Φ36	Φ49	40	30	237	127	142	231	Φ10.0	
HHBD0201	2	770	615	295	430	265	Φ36	Φ49	40	30	237	127	142	231	Φ10.0	
HHBD0202	2	815	520	260	300	236	Φ36	Φ49	40	30	237	127	142	231	Φ7.1	
HHBD0251	2.5	830	615	295	430	265	Φ43	Φ59	48	35	265	140	142	231	Φ11.2	
HHBD0301	3	830	615	295	430	265	Φ43	Φ59	48	35	265	140	142	231	Φ11.2	
HHBD0302	3	930	615	295	430	320	Φ43	Φ59	48	35	265	140	142	231	Φ10.0	
HHBD0303	3	940	520	260	350	205	Φ43	Φ59	48	35	265	140	142	231	Φ7.1	
HHBD0502	5	1015	615	295	430	325	Φ54	Φ60	48	43	297	156	142	231	Φ11.2	
HHBD1004	10	1207	620	310	310	380	Φ70	Φ90	80	60	890	191	142	231	Φ11.2	





## ELECTRIC CHAIN HOIST



Model :KD

### TECHNICAL SPECIFICATION

Model	Load Capacity (t)	Lifting Height (m)	Load Chain		Lifting Speed (m/min)	Travelling Speed (m/min)	Lifting Motor				Running Motor				I-Steel Track (mm)	Net Weight (kg)	Gross Weight (kg)			
			Diameter (mm)	Chain Fall Number			Power (Kw)	E.D. Rating(%)	Rotary Speed (m/min)	Phase	Voltage (V)	Frequency (Hz)	Power (Kw)	Rotary Speed(m/min)				Phase	Voltage (V)	Frequency (Hz)
ELECTRIC HOIST KD	0.5T	6	6.3	1	6.8	11	0.75	40	1440	3Phase	380V	50	0.4	1440	3Phase	380V	50	85-125	44	51
	0.5T	12	6.3	1	6.8	11	0.75	40	1440	3Phase	380V	50	0.4	1440	3Phase	380V	50	85-125	50	57
	1T	6	7.1	1	6.6	11	1.5	40	1440	3Phase	380V	50	0.4	1440	3Phase	380V	50	68-153	56	65
	1T	12	7.1	1	6.6	11	1.5	40	1440	3Phase	380V	50	0.75	1440	3Phase	380V	50	68-153	62	71
	2T	6	10	1	5.4	11	3	40	1440	3Phase	380V	50	0.75	1440	3Phase	380V	50	82-178	106	127
	2T	12	10	1	5.4	11	3	40	1440	3Phase	380V	50	0.75	1440	3Phase	380V	50	82-178	118	145
	3T	6	11.2	1	5.4	11	3	40	1440	3Phase	380V	50	0.75	1440	3Phase	380V	50	100-178	114	145
	3T	12	11.2	1	5.4	11	3	40	1440	3Phase	380V	50	0.75	1440	3Phase	380V	50	100-178	132	165
	5T	6	11.2	2	2.7	11	3	40	1440	3Phase	380V	50	0.75	1440	3Phase	380V	50	112-178	145	195
	5T	12	11.2	2	2.7	11	3	40	1440	3Phase	380V	50	0.75	1440	3Phase	380V	50	112-178	181	245
10T	6	11.2	4	2.7	11	3.0*2	40	1440	3Phase	380V	50	0.75	1440	3Phase	380V	50	150-220	335	455	
10T	12	11.2	4	2.7	11	3.0*2	40	1440	3Phase	380V	50	0.75	1440	3Phase	380V	50	150-220	407	555	

### DIMENSION SPECIFICATION

Model	Load Capacity (t)	Dimensions(mm)											Net weight (kg)	Gross Weight (kg)
		H	A	B	D	E	I	J	K	L	M	N		
ELECTRIC HOIST KD	0.5T	455	566	266	285	165	26	27	34	25	17	17	19	22
	1T	520	627	302	300	176	26	32	41	32	24	24	36	44
	2T	640	733	343	430	265	31	38	49	40	28	28	47	52
	3T	685	733	343	430	265	36	48	59	48	34	34	57	63
	5T	870	733	343	430	325	43	48	60	48	42	42	76	83
10T	1270	780	890	-	890	85	70	85	70	104	60	124	135	



**PERFECT MATCH**

The hoist body is parallel to electric trolley.

#### SIDE MAGNETIC BRAKING DEVICE

This magnetic force generator is the latest design which is featured for generating magnetic force. It allows instant brake as soon as the electric power is cut off. Thus the breaking safety while loading is guaranteed. Long period operation.



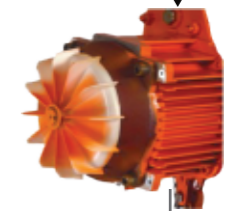
#### LIMIT SWITCH WITHOUT GUIDE FRAME

No guide frame ensures hoist lift and drag the weight diagonally.



#### COOLING FAN

Prevent motor over heat when long time continuous usage. Hollowed-out fan cover and cooling fan not only enhance fan heat dissipation capacity, but make fan operated more quietly.



#### CLUTCH

As emergency overload protection, clutch will functions and motor will slip when abnormal load.



#### HAND SWITCH

An ergonomic shape design ensures hand switch operated friendly. The button with a light soft operating sensation satisfied the operator not fatigued after a long period operation. Fully functional emergency stop button and back lug easily for firm grip.



#### HOOK

It is hot forging with perfect strength that is hard to break. The operation safety of the lower hook is ensured its 360 degrees rotation and safety tongue piece.



## ELECTRIC HOIST

- Aluminum Alloy Casing, solid and light with simple structure.
- Copper wire winding motor, small resistance, high temperature resistance, not easy to burn the motor.
- Adopts anti-rotation aviation special steel wire rope with high safety factor and long service life.
- It is made of High Quality alloy material and is forged into a 360 - degrees rotating. Anti-skid hook, The safety performance is higher.



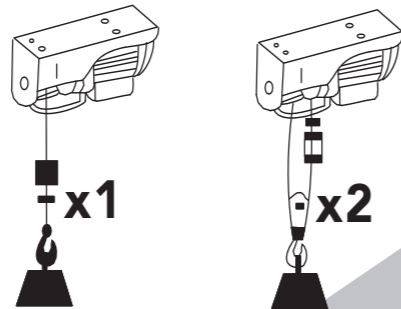
### LOW - NOISE

Ultra Quiet deceleration system, high transmission efficiency.



### SMART LIMITER

The limit device automatically stops the operation when the limit baffle hits the limiter.



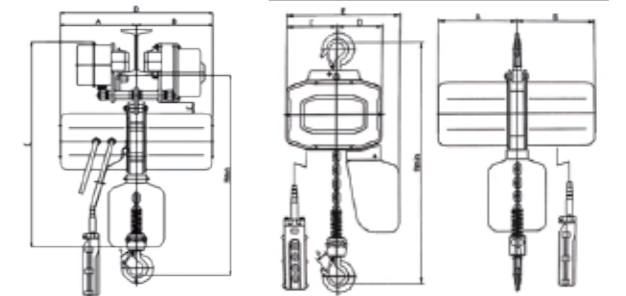
Model :PA

## ELECTRIC CHAIN HOIST

- **Compact and high efficient motor:** DC brake system without asbestos, consumption of electricity reduced efficiently.
- **Hoist body** Pressing steel structure, high strength body, light and compact.
- **Most tensile safety hooks:** Both the top and bottom hook made of high tensile alloy steel, with special Treatment, it guarantees the hook will not break, and will deform gradually under a sudden extraload.
- **Compact and beauty chain container:** High strength plastic container has outstanding durability.
- **Limit switch devices:** Fitted at top and bottom ends, switch off power automatically to prevent Load chain from running out.
- **Phase error relay:** A specially designed current-post, prevents motor from running at incorrect Wire connection.



Model :HHBT



## SPECIFICATION

Model	HHBT-0.5a	HHBT-1.0a	HHBT-2.0a	HHBT-3.0a	HHBT-5.0a	HHBT-10.0a
Capacity(t)	0.5	1.0	2.0	3	5.0	10.0
Standard lift (m)	3	3	3	3	3	3
Running test load(t)	0.625	1.25	2.5	3.75	6.25	12.5
Motor power(kw)	0.8	1.6	1.6	1.6	3.0	2×3.0
No.of chain	1	1	2	3	3	6
Load chain diameter(mm)	7.1	7.1	7.1	7.1	7.1	7.1
Lifting speed(m/min)	7	7	3.5	2.3	2.6	2.6
Power Supply	380V/50HZ/3P	380V/50HZ/3P	380V/50HZ/3P	380V/50HZ/3P	380V/50HZ/3P	380V/50HZ/3P
Control Voltage (V)	24V	24V	24V	24V	24V	24V
Dimensions(mm)	A	245	245	245	245	265
	B	245	245	245	245	265
	C	158	158	124	124	127
	D	142	142	176	176	205
	E	350	350	350	350	393
	F	600	600	610	620	738
Net weight(kg)	50	55	60	65	100	950
Extra Weight Per Meter of Extra lift(KG)	1.1	1.1	2.2	3.3	5.2	10.4

## SPECIFICATION

Model	PA200	PA250	PA400	PA500	PA600	PA800	PA1000	PA1200
Rated volt(V)	220/230V 50HZ		S320%10min					
Input Power(w)	510	530	980	1020	1200	1300	1600	1900
Capacity load(t)	100/200	125/250	200/400	250/500	300/600	400/800	500/1000	600/1200
Lifting height(m)	12/6	12/6	12/6	12/6	12/6	12/6	12/6	12/6
Lifting speed (m/min)	10/5	10/5	10/5	10/5	10/5	10/5	10/5	10/5
Packing dimensions(cm)	38×32×25	38×32×25	45×34×27	45×34×27	45×34×27	45×34×27	54×25×32	54×25×32
G.W/N.W(kg)	24/22	25/24	25/33	36/34	41/38	38/36	40/38	32.5/31.5
Quan/CTM(pcs)	2	2	2	2	2	2	1	1



## WIRE ROPE ELECTRIC HOIST

- **Reducer:** Third-class dead axel helical gear transmission structure is adopted; gear and gear axel are made of heat treated alloy steel; case and case cover with precise assembly and good seal are made of quality cast iron. The reducer is independent, so it's easy to load and unload it.
- **Control Box:** It has device with up and down stroke protection of break off limiter and can cutoff main circuit in an emergency, which ensures safe operation of electric block electric elements are of long service life and operational safety.



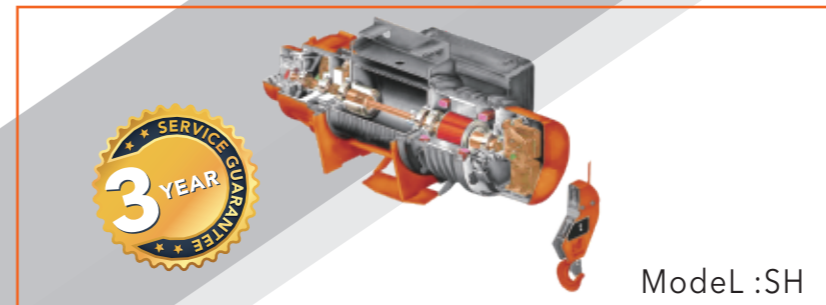
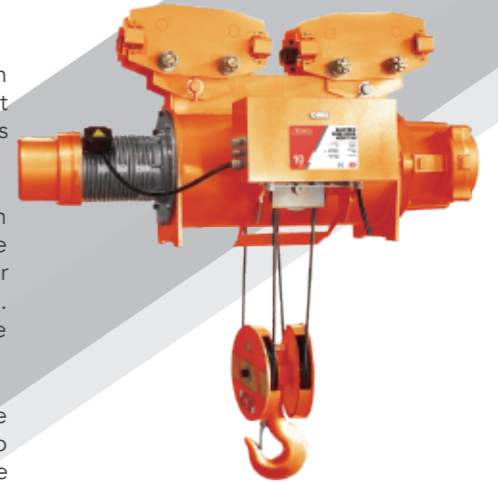
Model :CD1/MD1

- **Steel wire rope:** It uses GB1102-74(6x37+1) hoist steel wire rope which is durable in use.
- **Conical Motor:** The hoist motor uses conical rotors of relatively stronger starting torque to brake asynchronous motor and F grade insulation and it's grade of protection is IP 44/IP 54.
- **Button Switch:** It's hand-operated, easy to handle, and has two modes of cord operation and cordless remote control.



## ELECTRIC WIRE ROPE HOIST

- **MOTOR:** It uses cylindrical rotor motor, with high performance, high torque, easy to heat, high pressure resistance, large output power, it can be turning on frequently. Working class is level 5, protection class is IP54.
- **GEAR BOX:** The gear uses alloy steel and the shaft is high carbon steel with teh heat treatment, high quality and long service life. The gear box cover uses high strength nodular cast iron, machining center processing to ensure the machining accuracy and reduce vibration. The cover assembly uses the special seal washer which could be reliable for sealing.
- **BRAKE:** The device uses electromagnetic brake system, when the brake disc wear, it can automatically adjust the brake in order to ensure the safety. Once the main braking device caused the declne of goods fell too fast, the auxiliary brake system will turn on, which is in order to prevent the goods fall, forming double brake mechanism.



Model :SH

### SPECIFICATION

CD1/MD1(CD1Y/MD1Y)																																			
Capacity(t)	0.5		1		2		3		5		10																								
Inorm Working Level	M3		M3		M3		M3		M3		M3																								
Hoisting Height(m)	6	9	12	18	24	30	6	9	12	18	24	30	6	9	12	18	24	30	6	9	12	18	24	30	6	9	12	18	24						
Hoisting Speed (m/min)	8(8/0.8)		8(8/0.8)		8(8/0.8)		8(8/0.8)		8(8/0.8)		7(7/0.7)																								
Operating speed (suspended type)(m/min)	20(20/6.7) 30(30/10)		20(20/6.7) 30(30/10)		20(20/6.7) 30(30/10)		20(20/6.7) 30(30/10)		20(20/6.7) 30(30/10)		20(20/6.7)																								
Multiplying power of Chain Wheel	2/1		2/1		2/1		2/1		2/1		4/2																								
Type and power of Hoisting Electric Motor(kw)	ZDY11-4(0.8)		ZDY22-4(1.5)		ZD31-4(3)		ZDY32-4(4.5)		ZD41-4(7.5)		ZD51-4(13)																								
(Motor type and power (suspended type) (kw)	ZDSI-0.2/0.8(0.2/0.8)		ZDS-0.2/1.5(0.2/1.5)		ZDSI-0.4/3(0.4/3)		ZDSI-0.4/4.5(0.4/4.5)		ZDSI-0.8/7.5(0.8/7.5)																										
Level of Protection	IP44 IP54		IP44 IP54		IP44 IP54		IP44 IP54		IP44 IP54		IP44 IP54																								
Type of I-Steel Track	116a~128b		116a~128b		120a~145c		120a~145b		125a~163c		140a~163c																								
Minimum Turning Back(s/m)	1	1	1	1.8	2.5	3.2	1	1	1.2	1.8	2.5	3.2	1.2	1.2	1.5	2.0	2.8	3.5	1.2	1.2	1.5	2.0	2.8	3.5	1.5	1.5	1.5	2.5	3.0	4.0	1.5	1.5	1.5	2.5	3.0
Net weight(kg)	90	115	119	134	149	164	110	130	140	165	182	197	193	198	228	260	300	330	242	246	285	320	370	381	355	365	420	480	540	600	760	840	920	1000	1080

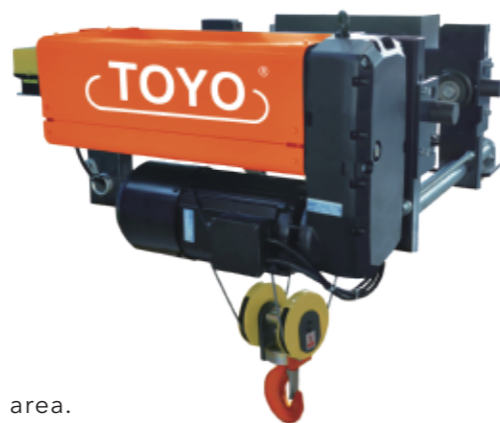
### SPECIFICATION

Model	SH10	SH20	SH30	SH50	SH100				
Capacity(Ton)	1	2	3	5	10				
Lifting Height(m)	6	12	6	12	6	12	9	12	12
Lifting Motor(Kw)	3	3	5.5	7.5	11				
Lift Speed(M/min)	11	6.2	7.5	6.7	5				
Trolley Speed(M-min)	21	21	21	21	14				
Ropes	2Ropes	2Ropes	2Ropes	4Ropes	4Ropes				
Wire Rope	Rope Dia.(mm) φ8	φ12	φ14	φ12	φ16				
Wire Dia.(mm)	0.34	0.5	0.6	0.6	0.7				
Structure Form	6×19-B	6×37-B	6×37-B	6×37-B	6×37+1-B				
I-BEAM Type	20a-45a	20a-45a	30a-63a	45a-63a	45a-63a				
Min.Curve Radius(m)	1.5	1.8	2.0	3.0	Straight line				
Hoisting Motor	Type 1M6	2M7	3M6	5M5	10M				
Power(kw)	3kw	3kw	6kw	7.5kw	11kw				
Rotation	1380	1380	1380	1380	1380				
Speed(r/min)	1380	1380	1380	1380	1380				
Voltage(F)	Frequency 380V/3F/50Hz	380V/3F/50Hz	380V/3F/50Hz	380V/3F/50Hz	380V/3F/50Hz				
Current(Amp.)	6.44	6.44	12.8	15.6	22				
Trolley Motor	Type 1T5	2T5	3T5	5T5	5T5				
Power(kw)	0.4kw	0.4kw	0.4kw	0.75kw	0.75×2kw				
Rotation	1380	1380	1380	1380	1380				
Speed(r/min)	1380	1380	1380	1380	1380				
Voltage(F)	Frequency 380V/3F/50Hz	380V/3F/50Hz	380V/3F/50Hz	380V/3F/50Hz	380V/3F/50Hz				
Current(Amp.)	1.5	1.5	1.5	2.2	2.2				
Work Class	M4/30% ED	M4/30% ED	M4/30% ED	M4/30% ED	M4/30% ED				
Packaging Size(cm)	99*60*52	118*60*52	106*71*64	126*71*64	118*73*68	140*73*68	164*83*75	185*83*75	223*94*80
Gross Weight(kgs)	206	236	340	376	454	495	739	785	2840
Net Weight (kgs)	196	213	305	336	417	450	670	713	2640



## ELECTRIC WIRE ROPE HOIST

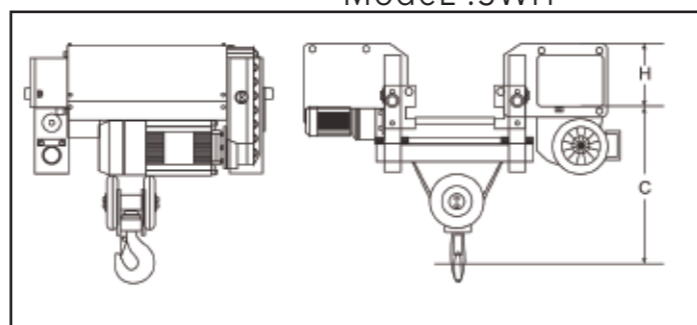
Advanced technology and components can make sure the hoist in a optimal state even been used on limited size and height, on the premise of guarantee high performance, make the size as small as possible, TWH electric wire rope hoists occupy large working seppe compared with other hoists which used in the same workshop and same working area, increase workshop use ratio and decrease blind area.



Model :SWH



Model :DWH



### TECHNICAL PARAMETERS- SWH

Capacity(kg)	Lift Height(m)	Lifting Speed(m/min)	Traveling Speed(m/min)	Traveling Power(kw)	Hoist Work Group(fem/iso)	H Size(mm)	C Size(mm)
1000	6/9/12/15/18	1.6/10	5/20	0.2	4m/M7	235	485
1250	6/9/12/15/18	1.6/10	5/20	0.2	3m/M6	235	485
1600	6/9/12/15/18	0.8/5	5/20	0.2	3m/M6	235	555
1600	6/9/12/15/18	1.3/8	5/20	0.2	4m/M7	235	555
2000	6/9/12/15/18	0.8/5	5/20	0.31	2m/M5	235	585
2000	6/9/12/15/18	1.3/8	5/20	0.31	3m/M6	235	595
2500	6/9/12/15/18	0.8/5	5/20	0.31	3m/M6	235	595
2500	6/9/12/15/18	1.3/8	5/20	0.31	2m/M5	235	595
3200	6/9/12/15/18	1.0/6.3	5/20	0.31	2m/M5	235	595
3200	6/9/12/15/18	0.8/5	5/20	0.44	2m/M5	235	595
5000	6/9/12/15/18	0.8/5	5/20	0.44	2m/M5	251	595
5000	6/9/12/15/18	1.3/8	5/20	0.44	1Am/M4	251	595
5000	6/9/12/15/18	1.6/10	5/20	0.44	2m/M5	317	765
5000	6/9/12/15/18	1.3/8	5/20	0.44	3m/M6	317	765
6300	6/9/12/15/18	0.8/5	5/20	0.64	2m/M5	251	595
6300	6/9/12/15/18	1.0/6.3	5/20	0.64	3m/M6	317	765
6300	6/9/12/15/18	0.8/5	5/20	0.64	4m/M7	317	765
8000	6/9/12/15/18	1.3/8.0	5/20	0.64	3m/M6	317	765
8000	6/9/12/15/18	1.0/6.3	5/20	0.96	1Am/M4	317	765
10000	6/9/12/15/18	0.8/5	5/20	0.96	2m/M5	317	765
10000	6/9/12/15/18	1.0/6.3	5/20	0.96	1Am/M4	317	765
12500	6/9/12/15/18	0.66/4	5/20	0.96	2m/M5	317	765
12500	6/9/12/15/18	0.8/5	5/20	0.96	1Am/M4	317	765
5000	18/22/26/30	1.6/10	5/20	0.44	2m/M5	317	765
8000	18/22/26/30	1.3/8	5/20	0.96	2m/M5	364	900
10000	18/22/26/30	1.3/8	5/20	0.96	1Am/M4	364	900
16000	6/9/12/15/18	0.66/4	5/20	0.96×2	2m/M5	364	850

## PRODUCT FEATURES

Modular design ,more options meet customers' various needs.



**High performance wire rope**  
Imported high-performance wire rope, tensile strength 2160Mpa Galvanized surface treatment, corrosion resistance.

**Over lifting limit switches**  
Adjustable screw-type lifting height Limit switch precision is high, the adjusting range is extensive, safe and reliable. Automatic cut-off of the lifting and lowering motions in the upper and lower limit positions.

**Safety monitor**  
COOL IF T STAR intelligent monitoring system, safe and practical, friendly human-machine interface, simple operation can monitor and record the hoist's running time, overload time etc., easy to maintain. The intelligent interface has the function of brake facing wear alarm regularly reminded, it can extend functionality.

**Rope guide**  
Using the high strength nylon (or nodular cast iron), with lightweight, good wear resistance, effectively reduce the wear of wire rope prevent the wire rope loose, jumping from groove, etc.

**Drum**  
The material is Q 345 seamless steel tube. Advanced processing methods to ensure drum concentricity. The depth of rope groove conform to FEM. High strength pressing plate and bolts are fastening at the end of wire rope. Ensure the safety of lifting.

**Hosit drive**  
Hoist motor, gearbox and brake three in one Large lifting torque.Small size, smooth running, low impact, low noise, high efficiency, long lifetime, continuous operation duration factor is 60% could meet the requirement of high frequency handing.

**Hook block**  
DIN standard hook with safety buckle and wire ropes heath. Ergonomic design. T-grade high-strength material. Hook with the Non-destructive Test certificate.

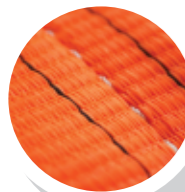
**Cross travel drives**  
Imports of drive three in one, compact-sized and running smoothly. Gearbox made of aluminum, good heat dissipation, long lifetime. Frequency conversion control, low-noise design. Starting and braking balance, low impact Asbestos-free in brake disc Normal service life is 1 million times.

**Electric control box**  
Design reasonable, frequency conversion control, precision control, accurate output, a variety of security protection to ensure the safe operation of equipment operation component arrangement uniform, clearline number for easy trouble shooting More options to meet the different requirements. Stainless steel cabinet, cooling fan, heater, temperature monitoring can be chosen.



## TEXTILE SLING EB WEBBING SLING

- Material Double Ply Polyester web sling width reinforced lifting eyes.
- Web Sling colour coded according to EN 1492-1(7:1).
- Each sling is packed with CE declaration of conformity.



### POLYESTER MATERIAL

Elongation at breaking force	ca. 12%
Elongation at WLL	ca. 3%
Elongation - resistance in wet condition	100%
Compared wear - resistance	80
Specific weight	1.38



**PRODUCT IDENTITY**  
TOYO Webbing Sling original product with label tag logo on polyester material.

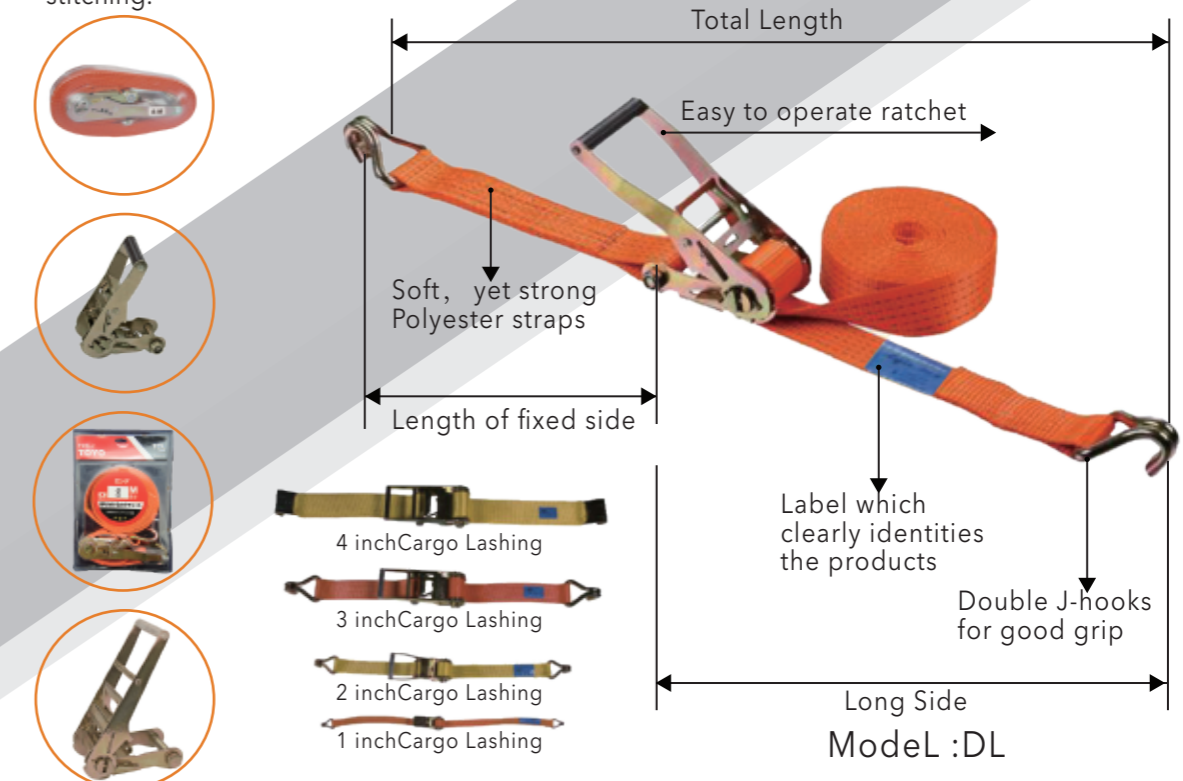


### EB Webbing Sling's lifting method and maximum Safety Working Load parameter.

Code	Color	Max. SWL= Mode Coefficient P* Working Load Limit						Max. SWL of Lifting Method				Approx. Width (mm)	Min. Length (m)	Max. Length (m)		
		Single Max. Working Load Limit						2-Leg Max. Working Load Limit								
		Upright	Choked	β				Upright 45°	Choked 45°	Upright 45°-60°	Choked 45°-60°					
				0°-7°	7°-45°	45°-60°	45°									
EB-01		1000	800	2000	1400	1000	700	1400	1120	1000	800	5:1	6:1	7:1	1	100
EB-02		2000	1600	4000	2800	2000	1400	2800	2240	2000	1600	25	50	60	1	100
EB-03		3000	2400	6000	4200	3000	2100	4200	3360	3000	2400	75	75	90	1	100
EB-04		4000	3200	8000	5600	4000	2800	5600	4480	4000	3200	100	100	120	1	100
EB-05		5000	4000	10000	7000	5000	3500	7000	5600	5000	4000	125	125	150	1	100
EB-06		6000	4800	12000	8400	6000	4200	8400	6720	6000	4800	150	150	180	1	100
EB-08		8000	6400	16000	11200	8000	5600	11200	8960	8000	6400	200	200	240	1	100
EB-10		10000	8000	20000	14000	10000	7000	14000	11200	10000	8000	250	250	300	1	100
EB-12		12000	9600	24000	16800	12000	8400	16800	13440	12000	9600	300	300	300	1	100
EB-15		15000	12000	30000	21000	15000	10500	21000	16800	15000	12000	200	200	240	1	100
EB-20		20000	16000	40000	28000	20000	14000	28000	22400	20000	16000	250	250	300	1	100
EB-25		25000	20000	50000	35000	25000	17500	35000	28000	25000	20000	300	300	300	1	100
EB-30		30000	24000	60000	42000	30000	21000	42000	33600	30000	24000	300	300	300	1	100
EB-40		40000	32000	80000	56000	40000	28000	56000	44800	40000	32000				1	100
EB-50		50000	40000	100000	70000	50000	35000	70000	56000	50000	40000				1	100

## GARGO LASHING SERIES

- Our range of tie downs, are manufactured as well with Ultra high tenacity Yarns, either in Polyester or in Polypropylene.
- Our Polypropylene tie downs series, are guaranteed to a usage under UV light for 3 years.
- Our new series of tie downs include, edge cutting resistant tapes, and others as antisliding, properties up to a 100% over other's existent in the market, or in our catalog, also we include the New series of automatic Retractable ratchet 50 and 25.
- All our manufacturing is automated as possible, to avoid as minimum labor error, i.e. our stitching.



Model	Explanation	Working Load(kg)	Working length(m)	Webbing width(mm)/(inch)
DL010	1 T,4~8m	1000	4~8	25 (1")
DL015	1.5 T,4~8m	1500	4~8	25 (1")
DL020	2 T,4~8m	2000	4~8	38 (1.5") /50 (2")
DL030	3 T,4~12m	3000	4~12	38 (1.5") /50 (2")
DL040	3 T,4~12m	3000	4~12	50 (2")
DL050	5 T,4~12m	5000	4~12	50 (2")
DL080	8 T,5~12m	8000	4~12	75 (3")
DL100	10 T,5~12m	10000	4~12	100 (4")



## ROUND SLING

- Round sling has the maximum load upto 3000T, effective length upto 100m, safety factor adopted is normally 7: 1, 6: 1.
- Round sling is made of high tension industrial yam(100%PES), the strands inside areas a form of endless cycle. The outside sleeve is also made of 100%PES, not for the loading, but to protect the strands inside.



Model :EA

EA Round Sling's lifting method and maximum Safety Working Load parameter.

Type	WLL(T)	Width(mm)	Color	Working Load Limit					Multi-set	
				Vertical	Choker	Basket	7' <b><45' Basket	7' <b><60' Basket	B<45'	B<45'
				100%	80%	200%	140%	100%	140%	112%
EA005	0.5	1" /25		500	400	1000	700	500	700	560
EA010	1	2" /50		1000	800	2000	1400	1000	1400	1120
EA015	1.5	3" /75		1500	1200	3000	2100	1500	2100	1680
EA020	2	4" /100		2000	1600	4000	2800	2000	2800	2240
EA025	2.5	5" /125		2500	2000	5000	3500	2500	3500	2800
EA030	3	6" /150		3000	2400	6000	4200	3000	4200	3360
EA040	4	8" /200		4000	3200	8000	5600	4000	5600	4480
EA050	5	10" /250		5000	4000	10000	7000	5000	7000	5600
EA060	6	12" /300		6000	4800	12000	8400	6000	8400	6720

## EA-A ROUND SLING

The unique advantages of round slings:

- Especially suitable for loading round object.
- The surface of round sling is smooth, does not cause damages to tender objects loaded.
- Various loading methods, including dragging or pulling loaded object.
- Various loading methods and load is bear evenly, enable the sling's usage life last longer.
- High strength/weight ratio.



Model :EA-A



Round Sling in Choker Hitch



Round Sling in Straight Lift

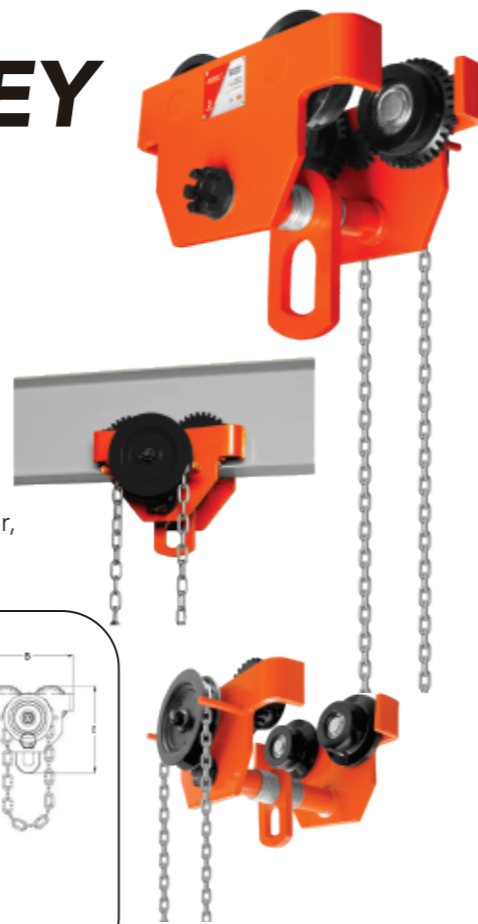
EA-A Round Sling's lifting method and maximum Safety Working Load parameter.

Code	Color	Max. SWL=Mode Coefficient P*Working Load Limit						Max. SWL of Lifting Method				Approx. Width (mm)	Min. Length (m)	Max. Length (m)
		Single Max. Working Load Limit						2-Leg Max. Working Load Limit						
		Upright	Choked	β				Upright	Choked	Upright	Choked			
				0°-7°	7°-45°	45°-60°	45°							
EA-A-01		1000	800	2000	1400	1000	700	1400	1120	1000	800	50	1	100
EA-A-02		2000	1600	4000	2800	2000	1400	2800	2240	2000	1600	60	1	100
EA-A-03		3000	2400	6000	4200	3000	2100	4200	3360	3000	2400	70	1	100
EA-A-04		4000	3200	8000	5600	4000	2800	5600	4480	4000	3200	75	1	100
EA-A-05		5000	4000	10000	7000	5000	3500	7000	5600	5000	4000	80	1	100
EA-A-06		6000	4800	12000	8400	6000	4200	8400	6720	6000	4800	90	1	100
EA-A-08		8000	6400	16000	11200	8000	5600	11200	8960	8000	6400	100	1	100
EA-A-10		10000	8000	20000	14000	10000	7000	14000	11200	10000	8000	110	1	100
EA-A-12		12000	9600	24000	16800	12000	8400	16800	13440	12000	9600	125	1	100
EA-A-15		15000	12000	30000	21000	15000	10500	21000	16800	15000	12000	150	1	100
EA-A-20		20000	16000	40000	28000	20000	14000	28000	22400	20000	16000	180	1	100
EA-A-25		25000	20000	50000	35000	25000	17500	35000	28000	25000	20000	200	1	100
EA-A-30		30000	24000	60000	42000	30000	21000	42000	33600	30000	24000	220	1	100
EA-A-40		40000	32000	80000	56000	40000	28000	56000	44800	40000	32000	250	1	100
EA-A-50		50000	40000	100000	70000	50000	35000	70000	56000	50000	40000	270	1	100
EA-A-60		60000	48000	120000	84000	60000	42000	84000	67200	60000	48000	280	1	100
EA-A-80		80000	64000	160000	112000	80000	56000	112000	89600	80000	64000	300	1	100
EA-A-100		100000	80000	200000	140000	100000	70000	140000	112000	100000	80000	320	1	100



## GEARED TROLLEY

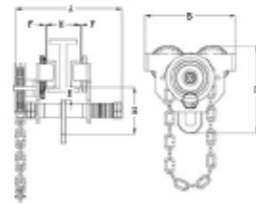
- High grade sealed ball bearings.
- With anti - drop plates.
- Galvanized hand chain.
- All structural parts made of high quality steel.
- Adjustable to any beam width, simply by adjusting the number of collars.
- For geared trolley, the standard operating length is 3 meter, other length is available upon request.



Model :GCL-B



**ADJUSTABLE WIDTH**  
The wheels are made to fit any shape of a beam.



**GEAR GUIDE MECHANISM**  
Gear guide mechanism in flanged load sheave and guide roller facilitate smooth movement.

### TECHNICAL SPECIFICATION

Capacity (t)	I-BEAM(mm) M	Dimensions(mm)						Net weight (kg)	Carton Size (mm)
		A	B	C	E	H	F		
1T*5M	75-125mm	258	250	214	11	118	1, 5-3	13.2	305*160*175
2T*5M	100-150mm	284	270	227	14	125	1, 5-3	17.8	330*170*205
3T*5M	100-150mm	312	315	304	8	165	1, 5-3	26.1	390*200*235
5T*5M	125-175mm	365	358	334	21	183	1, 5-3	39.4	440*235*270
10T*5M	110-200mm	458	430	434	36	250	1, 5-3	75	590*310*400
20T*5M	110-300mm	595	518	524	45	324	1, 5-3	190	610*415*525

## PLAIN TROLLEY

- All structural parts made of high quality steel.
- Adjustable to any beam width, simply by adjusting the number of collars.
- High grade sealed ball bearings.
- With anti - drop plates.
- Galvanized hand chain.



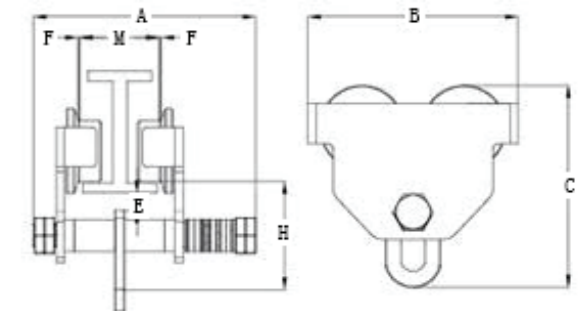
**MOVEMENT MECHANISM**  
Trolley moves smoothly on cast iron flanged wheels equipped with sealed, lubed for life ball bearings.



**ADJUSTABLE WIDTH**  
The wheels are made to fit any shape of a beam.



Model :GCT-B

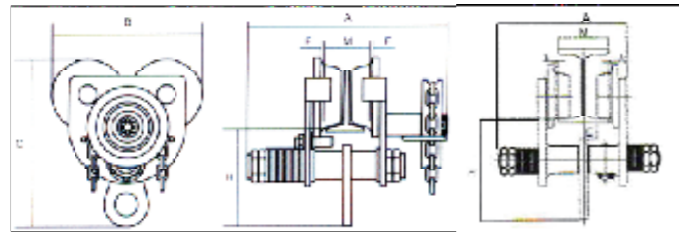


### TECHNICAL SPECIFICATION

Capacity (t)	I-BEAM(mm) M	Dimensions(mm)						Net weight (kg)	Carton Size (mm)
		A	B	C	E	H	F		
0.5T	75-125mm	198	204	188	23	113	1.5-3	6	295*75*185
1T	75-125mm	220	250	214	11	118	1.5-3	8	310*100*200
2T	100-150mm	243	270	227	14	125	1.5-3	11	340*130*210
3T	100-150mm	268	315	304	8	165	1.5-3	22	395*130*250
5T	125-175mm	305	358	334	21	183	1.5-3	30	440*150*300
10T	110-200mm	405	430	434	36	250	1.5-3	79	500*280*350



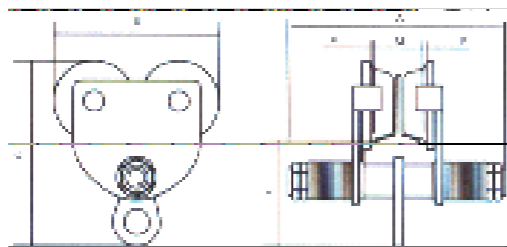
## SERIES GEARED TROLLEY



Model :GCL-A

Model	Capacity(t)	Compatible Rail Size(mm)		Geared Trolley GCL-A Specification									Min.rotation Radius(mm)	Net Weight (kg)
		Width(W) Min.	Width(W) Max.	Height(H) Min.	Height(H) Max.	A	B	C	D	E	F	K		
GCL-A10	1	75	125	125	250	206	231	120	Φ45	Φ80	27	117	1300	14.0
GCL-A20	2	100	150	150	400	241	271	155	Φ60	Φ100	33	119	1500	23.5
GCL-A30	3	100	150	180	400	261	311	185	Φ70	Φ113	47	134	2000	33.5
GCL-A50	5	125	175	250	450	294	351	220	Φ80	Φ125	53	134	2600	53.5
GCL-A100	10	150	175	250	450	294	721	165	-	Φ125	53	134	-	101.0

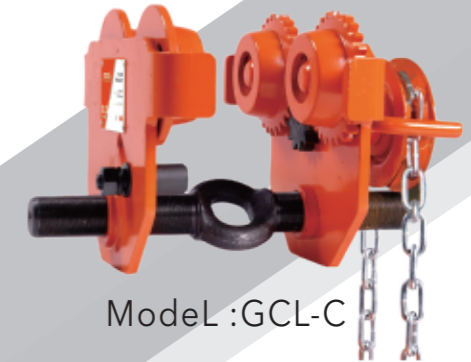
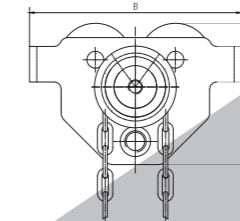
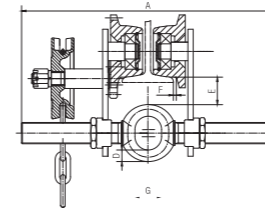
- Heavy duty construction with premium quality.
- Close headroom by design.
- Choose from either push or hand geared travel.
- Available to suit larger beam widths up to 310mm.



Model :GCT-A

Model	Capacity(t)	Compatible Rail Size(mm)		Plain Trolley GCT-A Specification									Min.rotation Radius(mm)	Net Weight (kg)
		Width(W) Min.	Width(W) Max.	Height(H) Min.	Height(H) Max.	A	B	C	D	E	F	K		
GCT-A05	0.5	75	125	100	150	206	174	120	Φ45	Φ55	27	-	900	6.0
GCT-A10	1	75	125	125	250	206	231	120	Φ45	Φ80	27	-	1300	10.0
GCT-A20	2	100	150	150	400	241	271	155	Φ60	Φ100	33	-	1500	18.5
GCT-A30	3	100	150	180	400	261	311	185	Φ70	Φ113	47	-	2000	26.0
GCT-A50	5	125	175	250	450	294	351	220	Φ80	Φ125	53	-	2600	44.0
GCT-A100	10	150	175	250	450	291	721	165	-	Φ125	53	-	-	96.0

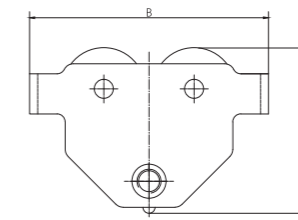
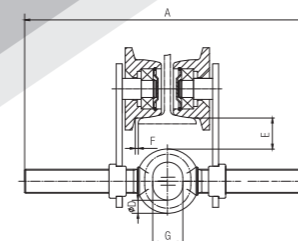
## MANUAL GEAR TROLLEY



Model :GCL-C

MANUAL GEAR TROLLEY (MODEL: GCL-C)									
Model	t	TGT-005	TGT-010	TGT-020	TGT-030	TGT-050	TGT-100*	TGT-200*	TGT-300*
Capacity	t	0.5	1	2	3	5	10	20	30
Proof Load	t	0.75	1.5	3	4.5	7.5	12.5	25	37.5
I-Beam Width	mm	50-220	58-220	66-220	74-220	90-220	125-203	136-203	144-250
Dimensions (mm)	A	352.5	353.5	362	406.5	434.5	487.5	523	570
	B	198	238	277	324	373	455	642	642
	C	158	183	208	249	296.5	490	622	622
	D	12.5	17	20	26	28	82	110	110
	E	40	31	31	31	40	36.5	54	50
	F	≈3	≈3	≈3	≈3	≈5	≈5	≈5	≈5
	G	25	29	36	46	52			
Net Weight	kg	8.5	12.5	17	28	45	93	247.5	254

## MANUAL PUSH TROLLEY



Model :GCT-C

MANUAL PUSH TROLLEY (MODEL: GCT-C)						
Model	t	TPT-005	TPT-010	TPT-020	TPT-030	TPT-050
Capacity	t	0.5	1	2	3	5
Proof Load	t	0.75	1.5	3	4.5	7.5
I-Beam Width	mm	50-220	58-220	66-220	74-220	90-220
Dimensions (mm)	A	285	300	300	328	354
	B	198	238	277	324	373
	C	158	183	208	249	296.5
	D	12.5	17	20	26	28
	E	40	31	31	31	40
	F	≈3	≈3	≈3	≈3	≈5
	G	25	29	36	46	52
Net Weight	kg	5	8.8	14	23	40





## LIFTING CLAMP PLATE HORIZONTAL

**WORKING LOAD LIMIT (WLL)  
800 - 16000 kgs.**

- The PDB Horizontal Plate clamps are suitable for lifting and transport of steel plates.
- Construction and profiled bar in horizontal position.
- Manufactured from high quality carbon steel.
- Avoid snatch re shock load the screw jaw of the body can be changed, also have a safety button.



Model : PDB

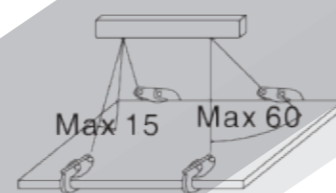
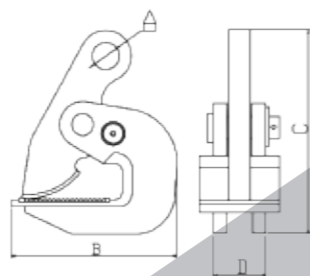
**NB : The top angle between the chain / rope legs must not exceed 45 degree from vertical.**



**EUROPE MODEL**  
Suitable for lifting and horizontal transfer of steel plates structures.



**SOLID BODY**  
Made of High - quality Low - carbon alloy steel with a safety button.



model	Jaw Opening [mm]	Load Capacity [kg/par]	A (mm)	B (mm)	C (mm)	D (mm)	Weight (kg)
PDB 0.8	0-25	800	22	125	165	40	2.5
PDB 1	0-30	1000	25	148	205	40	3.5
PDB 1.6	0-30	1600	30	148	205	45	4
PDB 2	0-40	2000	30	172	245	47	5
PDB 3.2	0-45	3200	30	180	245	50	6
PDB 4	0-50	4000	30	170	260	52	6.5
PDB 5	0-55	5000	30	180	260	56	7.5
PDB 6	0-65	6000	37	210	308	62	10.5
PDB6B	0-130	6000	37	316	310	62	22
PDB 8	0-100	8000	55	400	400	65	22
PDB 10	0-125	10000	55	500	500	75	33
PDB 16	100-180	16000	60	410	690	90	51

## LIFTING CLAMP PLATE VERTICAL

**WORKING LOAD LIMIT (WLL) 800 - 30000 kgs.**

- Standard design clamp for vertical lifting of steel plates and steel structures.
- The spring - loaded tightening lock mechanism assures a positive initial clamping force.
- Clamps are equipped with a safety mechanism, ensuring the clamp does not slip when lifting force is applied and when load is being lowered.
- High - frequency quenching of die - forged special alloy steels gives greater durability to the cam.



Model : CDH

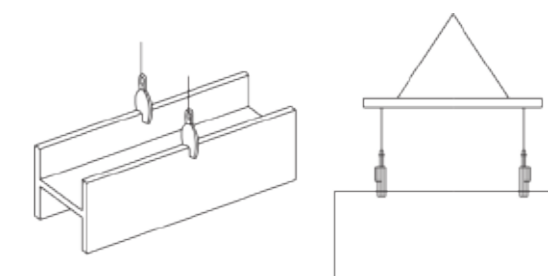
**NB : The plate surface of the material must a hardness level below HRC30 / Brinell 300**



**JAPAN MODEL**  
Suitable for lifting and vertical transfer of steel plates structures.

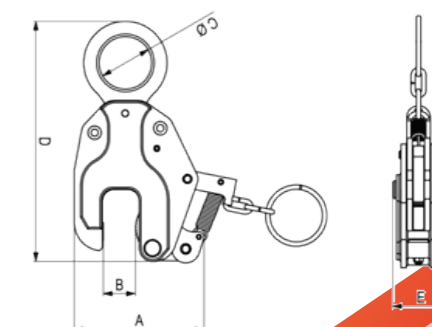


**SOLID BODY**  
Made of High - quality Low - carbon alloy steel with a safety puller.



### RACHET STRAP

Model	WLL(tonnes)	Jaw Opening(mm)	Weight(kg)
CDH-B 0.8	0.8	0-16	2.8
CDH-B 1	1	0-22	3.6
CDH-B 2	2	0-30	5.5
CDH-B 3.2	3.2	0-40	10
CDH-B 5	5	0-50	17
CDH-B 8	8	0-60	26
CDH-B 10	10	0-80	32
CDH-B 12	12	25-90	48
CDH-B 16	16	60-125	80
CDH-B 30	30	80-220	125



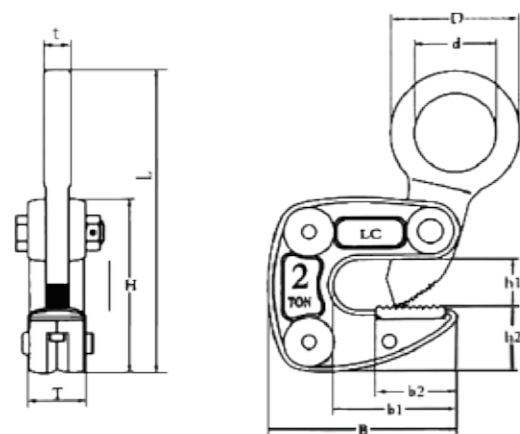


# PLUS HORIZONTAL LIFTING CLAMP

- This LC clamp is used for horizontal lifting and transfer of steel. Working fields plates and is particularly suited to this application due to the special thing round plate and buffer cams which facilitate easy insertion and removal under the plate being lifted. It can also be used hanging vertically under a spreader.
- These clamps are light in weight relative to their lifting capacity.
- Please note that the WLL of these clamps is given based on apai.
  1. At building construction field
  2. At shipbuilding field for surface hardness esupto37RC(345HB).
  3. Metal production workshop
  4. At subway construction(civil engineering construction) sites



Model :LC



- Safety technical features
  1. Embossed branding, Plcode for good trace ability and quality guarantee.
  2. All forged parts with stock availability at anytime
  3. High strength and durability with MBL of 500% of capacity, or better.

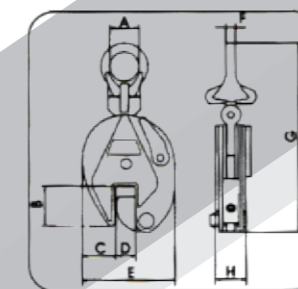
**Jaw and floor Material: 35Cr Mu Ti Meets standard BS EN 13155**

Item No.	WLL (t/pair)	Opening (mm)	L	t	T	Dimensions(mm)					d	Weight (kg)		
						H	h1	h2	B	b1			b2	
LC1	1	1~13	166	12	32	100	22	36	102	64	42	70	46	2.1
LC2	2	3~22	235	16	40	132	33	46	130	84	56	92	56	4.7
LC3	3	12~35	276	18	44	178	40	66	172	92	70	82	42	8.4

# PLATE LIFTING CLAMP

## Technical Specialities

- The universal vertical CD clamp is designed to ensure that the load can be lifted and turned(180°). Whilst at the same time ensuring that the load is positively retained.
- These clamps have a wide range of uses and are particularly suited for the lifting and turning of steel plates, ship sections and the extraction of pile sheets.



Model :CD



- The clamp is fitted with a safety latch which ensures the proper use by means of a double locking device, both in open as well as closed position.
- This also guarantees a pre-load on the material being lifted.

Part No	Model	WLL (tonnes)	Jaw Opeing (mm)	Weight (kg)
0001	CD0.8	0.8	0-15	2
0002	CD1	1.0	0-15	4
0003	CD1(B)	1.0	0-20	5
0004	CD1.6	1.6	0-20	7
0005	CD2	2.0	0-25	8
0006	CD3.2	3.2	0-25	15
0007	CD3.2(B)	3.2	0-30	15
0008	CD5	5.0	0-30	21
0009	CD5(B)	5.0	0-50	23
0010	CD8	8.0	0-45	37
0011	CD12	12.0	0-70	50
0012	CD16	16.0	60-100	65
0013	CD30	30.0	60-220	120

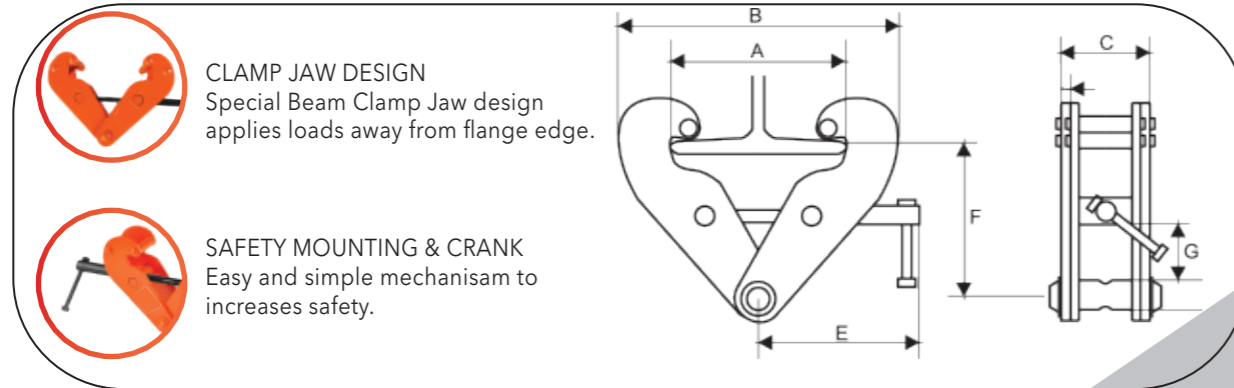


## BEAM CLAMP

- Provides a quick and versatile rigging point for hoisting equipment, pulley blocks or loads.
- Flexible application due to wide adjustment range.
- The central threaded spindle allows easy attachment and a safe and secure grip.
- The spindle can be secured against loosening.
- Fits wide range of beams and flange widths, low headroom design.
- Widely option for flange width.



Model :JG



## DRUM LIFTER

- Provides a quick and versatile rigging point for hoisting equipment, pulley blocks or loads.
- Flexible application due to wide adjustment range.
- Widely option for flange width.



**CLAMP JAW DESIGN**  
Special Beam Clamp Jaw design applies loads away from flange edge.



**SAFETY MOUNTING & CRANK**  
Easy and simple mechanism to increase safety.



Model :CDL



Model :CDLP



### TECHNICAL SPECIFICATION

Capacity	Chain Size	Length of lift chain	Net weight / New
(kg)	(mm)	(mm)	(kg)
1000	6×18	500	3.6 / 5.38

Model	Capacity Load [t]	Test Load [kn]	I-Beam Width Range(mm)	A Max	B		C	E	F		G	Net weight (kg)
					Min	max			Min	max		
JG-1	1	12.3	75-220	260	180	360	64	215	102	155	25	3.8
JG-2	2	24.5	75-220	260	180	360	74	215	102	155	25	4.6
JG-3	3	36.8	80-320	354	235	490	103	260	140	225	45	9
JG-5	5	61.3	80-320	354	235	490	110	260	140	225	45	11
JG-10	10	122.5	90-320	365	320	505	120	280	170	235	50	16

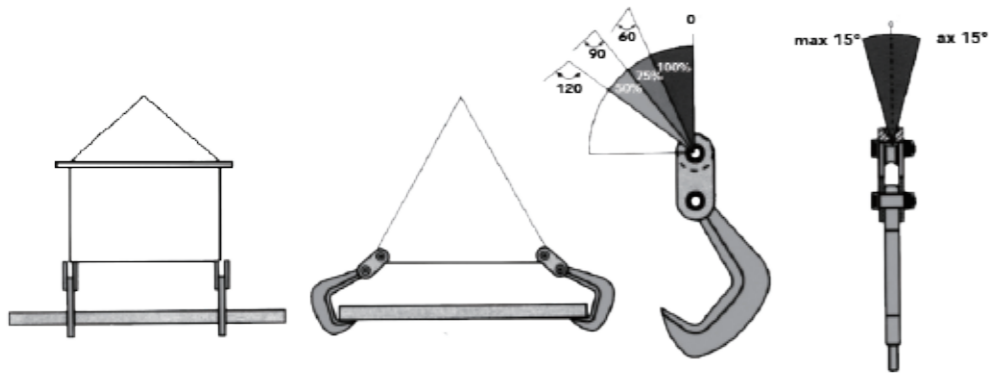


## PDQ SINGLE STEEL PLATE CLAMP

- Suitable for lifting and transport single or multi steel plates.
- Manufactured from high quality carbon steel.
- Avoid snatch or shock loading. Lifting beam must be in use.
- The roller at the head of the hook will not damage the sling rope.
- The working load limit is the maximum load that the clamps are authorized to support when used in pairs with a lift angle of 60°.
- In lifting operations four clamps must at least always be used. Automatic unloading.



Model : PDQ



Part No	Model	WLL (tonnes)	Jaw Opening (mm)	Weight (kg)
0077	PDQ 1	1.0	0-50	3
0078	PDQ 2	2.0	0-60	5
0079	PDQ 3. 2	3.2	0-90	12
0080	PDQ 5	5.0	0-120	17
0081	PDQ 8	8.0	0-130	25
0082	PDQ 10	10.0	0-150	30
0083	PDQ 12	12.0	0-150	32
0084	PDQ 20	20.0	0-250	69

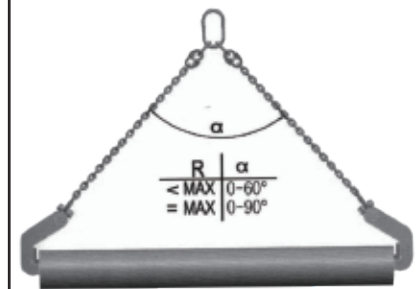
## TPH PIPE PLATE CLAMP

- For horizontal lifting and transporting of steel and concrete pipes.
- Compact shapes and relatively low own weight with a high lifting capacity.
- The surface is equipped with "special" plastic.
- The TPH will be delivered perpair.
- Plastic cover is easy to change.

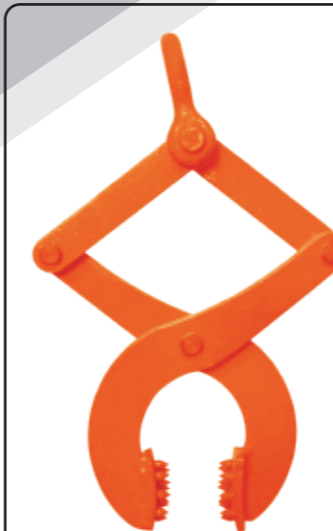


### TECHNICAL PARAMETERS

Part No	Model	WLL (tonnes)	Jaw Opening (mm)	Weight (kg)
0159	TPH 1. 5	1.5	40	1.5
0160	TPH 3	3.0	40	2
0161	TPH 4	4.0	50	2.8
0162	TPH 6	6.0	50	3.2
0163	TPH 8	8.0	70	5
0164	TPH 12	12.0	70	13
0165	TPH 16	16.0	70	15.8
0166	TPH 18	18.0	70	22



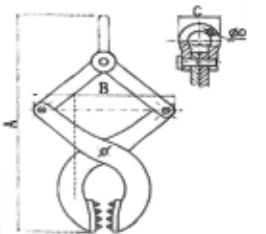
Model : TPH



Model : PCT

### PALLET CLAMP

- The pallet pullers are used to pull loaded pallets, slide heavy crates, etc., to edge of dock or truck, so it can be picked up with forklift truck.
- Variable jaw width grabs pallet securely and automatically releases.



Item No.	PCT10	PCT15	PCT20	PCT25
Capacity(t)	1	1.5	2	2.5
Beam width(mm)	30~100	30~180	30~200	30~135
Dimensions(mm)	A max	412	520	552
	A min	260	310	340
	B max	310	335	390
	B min	258	245	310
	C	12	86	86
	D	16	20	20



## PERMANENT MAGNET LIFTER

### MAIN USAGE AND CHARACTERISTICS

- The permanent magnet Lifter of PML Series is mainly used to magnetism plant shape or column ironware materials and workpiece.
- It is provided with the characteristics of light structure, easy operation and powerful magnetism.
- It has been widely used as the hoisting tool in factory tool in factory, dock storehouse and transportation.



Model :PML



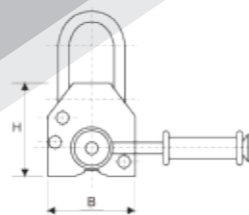
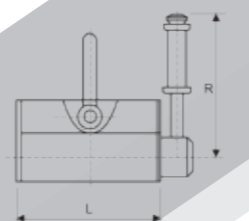
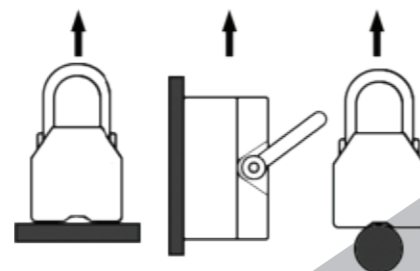
### WORKING PERFORMANCE

Stable and lasting working performance magnet lifter.



### SAFETY FACTOR

High safety factor, strong pull - off - strength and strong permanent magnet circuit.



Type	Rated Lifting weight(kg)	Max pulling power(kg)	Dimension(mm)				Net weight(kg)
			L	B	H	R	
PML-100	100	300	135	63	75	160	3
PML-200	200	600	170	67	80	160	4
PML-300	300	900	190	92	94	215	10
PML-400	400	1200	190	92	94	215	10
PML-600	600	1800	240	120	115	240	20
PML-1000	1000	3000	300	136	138	270	35
PML-2000	2000	6000	390	160	168	368	65
PML-3000	3000	9000	480	160	168	368	82
PML-5000	5000	15000	570	230	220	490	200

## SBH CHAMPION SNATCH PULLEY (hook Type)

Model	S.W.L (t)	Sheave Dia D(mm)	A2 (mm)	B (mm)	C (mm)	For Wire Dia (mm)	N.W. (kg)
SBH- 3"x 1	2	75	292	82	70	7-9	4
SBH- 4-1/2" x 1	4	115	358	120	70	10-12	6.1
SBH- 6" x 1	4	150	412	160	70	16-18	13.8
SBH- 6" x 1	8	150	498	160	93	20-22	14.4
SBH- 8" x 1	8	200	549	210	93	20-22	16
SBH- 8" x 1	15	200	672	230	102	2224	24
SBH-10" x 1	10	250	695	260	115	24-26	37.5
SBH-10" x 1	12	250	701	260	115	24-26	42
SBH-12" x 1	12	300	797	310	133	24-26	56
SBH-12" x 1	15	300	797	310	133	26-26	65
SBH-14" x 1	22	355	960	365	140	28-32	90
SBH-16" X 1	22	4D0	1027	415	140	28-32	108
SBH-16" x 1	30	400	1085	415	155	32-35	135
SBH- 20" x 1	30	500	1177	514	162	32-35	210
SBH- 24" X 1	50	600	1445	625	240	46-50	408

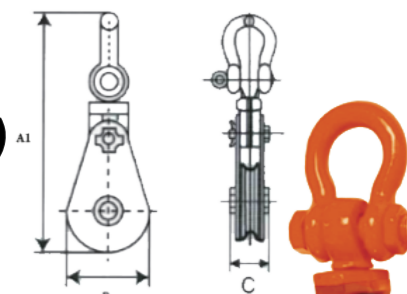


Model :SBH

## SBS CHAMPION SNATCH PULLEY (shackle Type)

### SPECIFICATIONS

Model	S.W.L (t)	Sheave Dia D(mm)	A1 (mm)	B (mm)	C (mm)	For Wire Dia (mm)	N.W. (gk)
SBS- 3"x 1	2	75	286	82	70	7-9	4
SBS- 4-1/2" x 1	4	115	345	120	70	10-12	6.1
SBS- 6" x 1	4	150	399	160	70	16-18	13.8
SBS- 6" x 1	8	150	475	160	93	20-22	14.4
SBS- 8" x 1	8	200	528	210	93	20-22	16
SBS- 8" x 1	15	200	663	230	102	2224	24
SBS-10" x 1	10	250	679	260	115	24-26	37.5
SBS-10" x 1	12	250	679	260	115	24-26	42
SBS-12" x 1	12	300	767	310	133	24-26	56
SBS-12" x 1	15	300	884	310	133	26-26	65
SBS-14" x 1	22	355	952	365	140	28-32	90
SBS-16" X 1	22	4D0	1019	415	140	28-32	108
SBS-16" x 1	30	400	1126	415	155	32-35	135
SBS- 20" x 1	30	500	1256	514	162	32-35	210
SBS- 24" X 1	50	600	1525	625	240	46-50	408

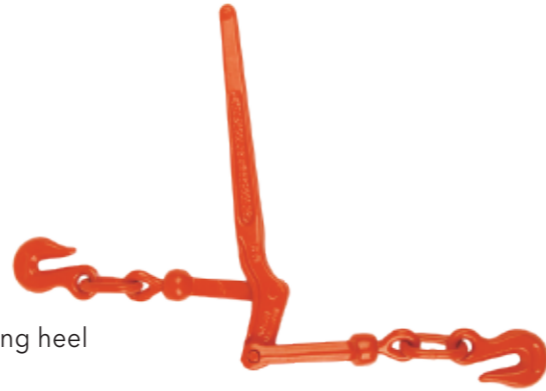


Model :SBS

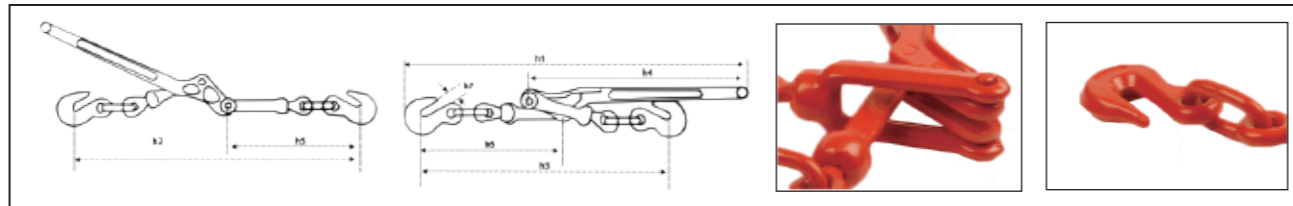


## FORGED LEVER LOAD BINDER

- Made from quenched and tempered alloy steel.
- Extra heavy construction at leverage point to prevent spreading heel of binder toggles away from load, permitting easy release.
- Ball and socket swivel joints at hook assemblies permit a straightline pull



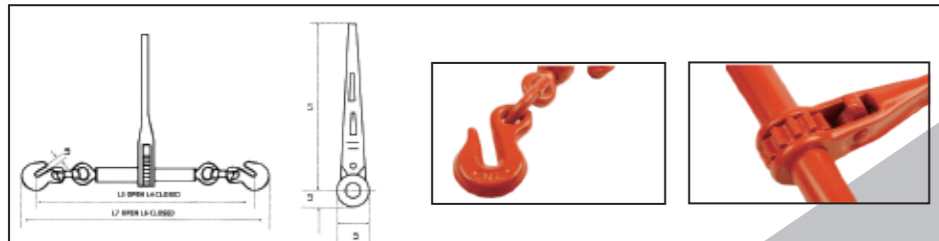
Model :LLB



### SPECIFICATIONS

Min-Max chain size (in.)	WLL (lbs)	Proof load (lbs)	Min ultimate load (lbs)	Weight (lbs)	Handle length (in.)	Dimensions(in.)						
						H1	H2	H3	H4	H5	H6	H7
1/4-5/16	2600	5200	7800	3.52	11.42	18.5	17.3	14.17	11.42	8.27	8.07	0.35
5/16-3/8	5400	10800	19000	8.37	15.43	25.2	23.2	19.49	15.55	11.22	11.22	0.51
3/8-1/2	9200	18400	28000/33000	12.11/12.20	17.24	28.5	26.38	22.05	17.64	12.99	12.20	0.59
1/2-5/8	11000	22000	44000	19.7	21.00	33.86	30.12	25.78	20.87	14.37	14.37	0.74

## FORGED RATCHET LOAD BINDER



Model :RLB

### SPECIFICATIONS

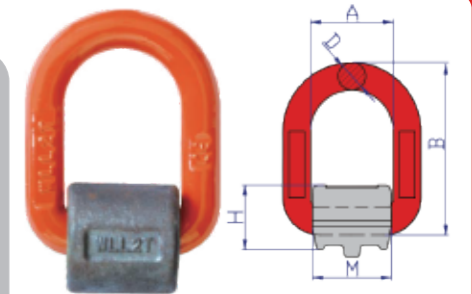
Min-max chain size (in.)	WLL (lbs)	Proof load (lbs)	Min ultimate load (lbs)	Weight (lbs)	Handle length (in.)	Dimensions(in.)							
						L1	L2	L3	L4	L5	L6	L7	L8
1/4-5/16	2600	5200	7800	3.52	7.16	7.16	0.89	1.77	16.22	21.26	17.79	22.83	0.35
5/16-3/8	5400	10800	19000	10.50	13.42	13.92	1.30	2.60	22.64	30.64	25.25	33.24	0.51
3/8-1/2	9200	18400	33000	12.90	13.92	13.92	1.30	2.60	24.13	32.13	27.04	33.04	0.59
1/2-5/8	13000	26000	46000	14.38	13.92	13.92	1.30	2.60	26.45	34.45	30.07	38.07	0.74

## FORGED D-RINGS WITH WRAPS

- Material: Forged superalloy steel.
- 100% magna flux crack detection.
- Breakage test.
- Welding is to be performed by a qual fied welder.



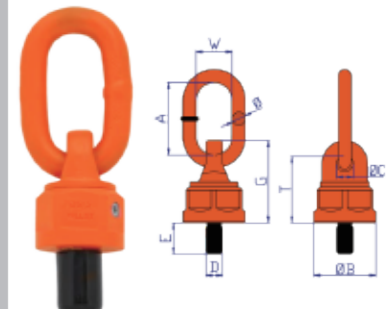
Stock No.	Dimensions(mm)					W.L.L.(T)	Weight(KG)
	A	B	D	H	M		
DRW50101	41.0	78.0	13.0	30.0	37.0	1.12	0.40
DRW50105	42.0	88.0	14.0	33.0	40.0	2	0.48
DRW50110	45.0	94.0	17.0	35.0	42.5	3.15	0.69
DRW50115	55.0	118.0	22.0	47.5	51.0	5.3	1.50
DRW50120	70.5	140.0	26.0	56.5	65.0	8	2.50
DRW50125	85.0	165.0	30.0	70.0	90.0	10	4.25
DRW50130	98.0	189.0	34.0	77.0	90.0	15	5.79
DRW50135	147	278	46.0	85.0	121	20	15.1



Model :DRW

### Muti -Directional Using Lifting Swivel

Stock No.	Size DxE	Dimensions(mm)						W	Ø	W.L.L.(T)		Weight(KG)
		A	B	C	G	T	90°			0°		
DLS50308	M8x13	55.0	36.0	15.5	52.0	44.0	30.0	13.0	0.3	0.6	0.43	
DLS50310	M10x19	55.0	36.0	15.5	52.0	44.0	30.0	13.0	0.45	0.9	0.45	
DLS50312	M12x19	55.0	36.0	15.5	52.0	44.0	30.0	13.0	0.5	1	0.46	
DLS50313	M12x31.8	55.0	36.0	15.5	52.0	44.0	30.0	13.0	0.5	1	0.47	
DLS50314	M14x22	55.0	36.0	15.5	52.0	44.0	30.0	13.0	1.12	2	0.48	
DLS50315	M14x31.8	55.0	36.0	15.5	52.0	44.0	30.0	13.0	1.12	2	0.49	
DLS50316	M16x31.8	55.0	36.0	15.5	52.0	44.0	30.0	13.0	1.12	2	0.50	
DLS50320	M20x30	85.0	60.0	22.5	81.0	69.0	40.0	18.0	2	4	1.57	
DLS50321	M20x38.1	85.0	60.0	22.5	81.0	69.0	40.0	18.0	2	4	1.58	
DLS50322	M22x30	85.0	60.0	22.5	81.0	69.0	40.0	18.0	2	4	1.58	
DLS50323	M22x38.1	85.0	60.0	22.5	81.0	69.0	40.0	18.0	2	4	1.59	
DLS50324	M24x30	85.0	60.0	22.5	81.0	69.0	40.0	18.0	3.15	6.3	1.61	
DLS50325	M24x38.1	85.0	60.0	22.5	81.0	69.0	40.0	18.0	3.15	6.3	1.62	
DLS50327	M27x35	85.0	60.0	22.5	81.0	69.0	40.0	18.0	3.15	6.3	1.62	
DLS50330	M30x35	115.0	80.0	26.5	110.0	90.0	50.0	25.0	5.3	10.6	3.72	
DLS50331	M30x50	115.0	80.0	26.5	110.0	90.0	50.0	25.0	5.3	10.6	3.75	
DLS50332	M33x35	115.0	80.0	26.5	110.0	90.0	50.0	25.0	8	11.8	3.75	
DLS50333	M33x50	115.0	80.0	26.5	110.0	90.0	50.0	25.0	8	11.8	3.77	
DLS50336	M36x54	115.0	80.0	26.5	110.0	90.0	50.0	25.0	8	11.8	3.81	
DLS50339	M39x58	115.0	80.0	26.5	110.0	90.0	50.0	25.0	8	8	3.86	



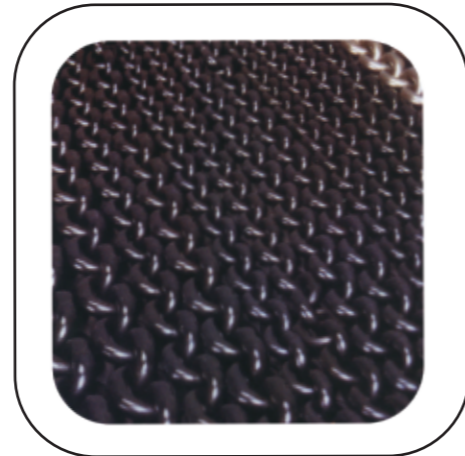
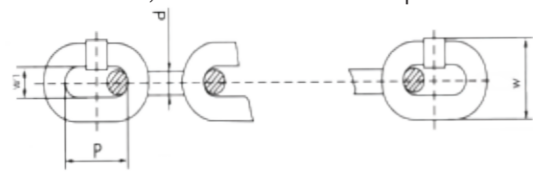
Model :DLS



## CHAIN AND CHAIN SLING

Alloy chain is designed and manufactured for superior performance and usage. It can easily withstand more abuse, abrasion resistance, greater load lifting per size and is lighter to handle for application.

Alloy steel Material, heat treated and proof tested



Model :AW

## GUIDE FOR SAFER AND LONGER USE OF SLING

### Do

- Do select right capacity slings including angles of sling leg.
- Do ensure that the chain slings are not kinked and twisted.
- Do lift uniformly the load in the multi-leg slings.

### Do Not

- Do not expose the chain slings to excessive heat, as working load limit is affected by the heat higher than the temperature in the table.
- Do not drag the chain slings on the ground.
- Do not heat the chain slings.



Model :TDC

Tie Down chain GR80 type: TDC		
Chain Dia.(mm)	Length(ft.)	N.W.(kg)
7.1	9	3.3
8.0	9	4.2
10.0	9	6.5
13.0	9	10.8
7.1	18	6.3
8.0	18	8.5
10.0	18	13.2
13.0	18	21.6

Item No.	Chain Dia. p (mm)	Inside Length P (mm)	Alloy Chain GR80		WLL(t)	Ultimate Load(t)	Weight Approx(kg)
			Outside Width W (mm)	Inside Width W1 (mm)			
AW-80-05	5	15.00	16.25	6.80	0.65	2.60	0.50
AW-80-06	6	18.00	19.50	8.00	1.00	4.00	0.80
AW-80-063	6.3	19.80	21.50	8.50	1.41	5.00	0.84
AW-80-07	7	21.00	22.75	9.00	1.41	5.00	1.10
AW-80-071	7.1	21.30	24.00	9.30	1.60	6.40	1.15
AW-80-08	8	24.00	26.00	10.00	2.00	8.00	1.40
AW-80-09	9	27.00	29.25	12.20	2.50	10.00	1.82
AW-80-10	10	30.00	32.50	13.30	3.20	12.80	2.20
AW-80-112	11.2	34.00	36.00	13.70	3.80	15.20	2.70
AW-80-13	13	39.00	42.25	17.50	5.00	20.00	3.70
AW-80-16	16	48.00	52.00	21.50	8.00	32.00	5.60

- Original Germany WAFIOS Kniting, Spot welding calibrating and heat treatment machines and facilities are used for our daily production.

Item No.	Chain Dia.		Inside length (mm)	SUPER HIGH STRENGTH CHAIN GR100		WLL(t)	Ultimate load(t)	Weight Approx(kg)
	mm	in.		Outside width (mm)	Inside width (mm)			
AW-100-05	5	0.20	15.00	16.25	10.00	0.65	3.25	0.53
AW-100-06	6	0.24	18.00	19.50	12.00	1.00	5.00	0.85
AW-100-08	8	0.31	24.00	26.00	16.00	2.00	10.0	1.46
AW-100-10	10	0.39	30.00	32.50	20.00	3.20	16.0	2.30
AW-100-13	13	0.51	39.00	42.25	26.00	5.00	25.0	3.82



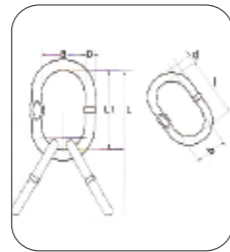
Model :BC70

Size	Binder chain grade70 type: BC70									
	W.T.(kg)	ASTM80 WLL(ld)	MBS(ld)	NACM90 W.T.(kg)	WLL(ld)	MBS(ld)	W.T.(kg)	MACM96 WLL(ld)	MBS(ld)	Pes per drum
1 / 4" × 14'	5.0	3,150	12,600	4.5	3,150	12,100	4.5	3,150	12,600	50
1 / 4" × 16'	6.0	3,150	12,600	5.0	3,150	12,100	5.0	3,150	12,600	40
5 / 16" × 14'	7.5	4,700	18,800	7.0	4,700	18,800	7.0	4,700	18,800	35
5 / 16" × 16'	8.5	4,700	18,800	8.0	4,700	18,800	8.0	4,700	18,800	30
5 / 16" × 16'	9.5	4,700	18,800	9.0	4,700	18,800	9.0	4,700	18,800	30
5 / 16" × 20'	10.5	4,700	18,800	10.0	4,700	18,800	10.0	4,700	18,800	25
5 / 16" × 25'	13.0	4,700	18,800	12.0	4,700	18,800	12.0	4,700	18,800	20
5 / 16" × 30'	15.5	4,700	18,800	14.5	4,700	18,800	14.5	4,700	18,800	20
3 / 8" × 14'	10.5	6,600	26,400	9.5	6,600	24,700	10.0	6,600	26,400	25
3 / 8" × 16'	12.0	6,600	26,400	11.0	6,600	24,700	11.5	6,600	26,400	20
3 / 8" × 20'	15.0	6,600	26,400	13.5	6,600	24,700	14.5	6,600	26,400	20
3 / 8" × 25'	18.5	6,600	26,400	16.5	6,600	24,700	18.0	6,600	26,400	15



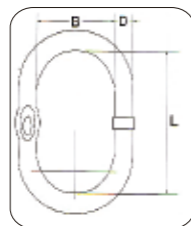
## MASTER LINK

- High grade Alloy Steel (Quenched and Tempered) material
- Design Factor of 4: 1 for chain and 5: 1 for wire rope.
- Individually Proof Tested to 2.5 times the Working Load Limit(4: 1), unless otherwise noted, with certification.



Model :MLA

Alloy Master Link Assembly Grade 80 Welding Type: MLA									
Product Code	Size D (mm)	Dimensions(mm)						WLL 4:1 (t)	Weight (kg)
		L	L1	B	d	b	l		
MLA-8-16	16	214	120	70	13	60	115	4.1	1.4
MLA-8-20	20	267	170	90	16	70	120	6.5	2.5
MLA-8-22	22	310	170	90	20	90	170	8.2	4.2
MLA-8-25	25	329	190	100	20	90	170	10.7	4.5
MLA-8-28	28	407	270	140	22	90	170	12.9	6.4
MLA-8-32	32	424	270	140	25	100	190	17.1	9.9
MLA-8-38	38	493	270	140	32	140	270	28.1	18.2
MLA-8-45	45	540	320	170	38	140	270	39.3	27.7



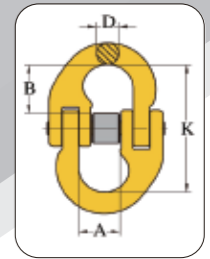
Model :MLW

- Each link has a Product Identification Code(PIC) for material traceability, along with the size and the manufacture mark.
- Larger inside width and length for use with thimble.

Alloy Master Link Grade 80 Welding Type: MLW					
Product Code	Size D (mm)	Dimensions(mm)		WLL 4:1 (t)	Weight (kg)
		L	B		
MLW-8-13	13	115	60	2.50	0.4
MLW-8-16	16	120	70	4.25	0.8
MLW-8-16A	16	170	100	4.25	0.80
MLW-8-20	20	170	90	6.70	1.30
MLW-8-22	22	170	90	8.20	1.60
MLW-8-22A	22	210	110	8.20	1.65
MLW-8-25	25	190	103	10.70	2.30
MLW-8-28	28	270	140	11.80	4.00
MLW-8-32	32	270	140	17.10	5.30
MLW-8-38	38	270	140	28.10	7.50
MLW-8-45	45	320	170	39.3	12.3

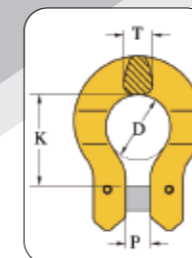
## ALLOY STEEL CONNECTING LINK

- The C Link's simple design allows instant assembly, dismantling and reassembly of dependably safe slings.
- Assembly only one chain or fitting to each C link body half.
- When reassembly a C link, we recommend you use a new pin and stud assembly. These are inexpensive and readily available.



Model :LTC

Item No.	Working load limit(t)	For grade 80 chain(mm)	Alloy connecting link grade 80 type: LTC Dimensions(mm)				N.W. (kg)
			K	A	D	B	
LTC006	1.12	6	44	15	7	17	0.1
LTC007	2.0	7.8	59	18	9	22	0.2
LTC010	3.15	10	68	25	13	26	0.3
LTC013	5.3	13	91	30	16	35	0.7
LTC016	8.0	16	100	36	19	38	1.1
LTC018	12.5	18,20	122	42	23	48	1.7
LTC022	15.0	22	152	49	24	60	3.0
LTC026	21.2	36	162	55	31	62	4.6
LTC032	31.5	32	202	69	38	79	8.6



Model :LTO

- Rated for alloy chain Grade 80 and Grade100 for lifting application.
- Locking system that provides for simple assembly and disassembly-no special tools needed.
- Marked with brand, WLL, Batch No.and Size

Item No.	Working load limit(t)	For grade 80 chain(mm)	Alloy omega link grade 80 type: LTO Dimensions(mm)				N.W. (Kg)
			K	D	T	P	
LTO006	1.12	6	30	21	9	8	0.1
LTO007	2.0	7,8	36	27	11	9	0.2
LTO010	3.15	10	44	32	15	12	0.4
LTO013	5.3	13	55	42	17	16	1.0
LTO016	8.0	16	69	50	22	18	1.4
LTO018	12.5	18,20	71	58	28	20	2.3





## ALLOY STEEL SAFETY HOOKS



## LARGE HOOKS W/LATCH

- Breakage test.
- Ultimate load is 4 times working load limit.
- Fatigue tested at 1.5 times Working Load Limit for 20000 cycles.

### Eye Safety Hook

Item No.	Size (mm)	L	A	B	D	E	F	G	H	WLL 4:1 (t)	Weight (kg)
HSE006	6	107	28	28	70	22	10.5	16	22	1.2	0.5
HSE007	7	132	31	36	88	25	12	20	24	2.0	0.8
HSE010	10	164	48	41	106	32	15	26	30	3.2	1.5
HSE013	13	206	60	52	138	40.5	20	32	40	5.4	3.2
HSE016	16	249	73	60	170	55	23	40	51	8.2	6.1
HSE018	18	270	77	79	187	64	27	45	56	12.5	7.5
HSE022	22	310	90	88	204	70	30	52	65	15.0	13.4

Model : HSE

### Clevis Safety Hook

Item No.	Size (mm)	L	A	B	C	D	E	F	G	H	WLL 4:1 (t)	Weight (kg)
HSC006	6	95	31	26	7.8	70	8.5	32	16	22	1.2	0.45
HSC007	7	117	39	36	9.2	89	9	37	20	24	2.0	0.85
HSC010	10	140	52	44	13.2	107	12	47.5	26	30	3.2	1.45
HSC013	13	176	65	52	16.3	139	15	60	32	40	5.4	2.90
HSC016	16	210	75	63	20.2	168	18	73	40	51	8.2	5.60
HSC018	18	232	83	76	24.3	186	25	81	45	56	12.5	6.50
HSC022	22	265	88	80	28.2	204	25.5	98	52	65	15.0	16.00

Model : HSC

### Swivel Safety Hook

Item No.	Working Load Limit(t)	For Grade 80 Chain(mm)	K	P	B	A	D	T	H	N.W. (kg)
HSA006	1.12	6	149	29	22	31	12	15	21	0.6
HSA007	2.0	7.8	186	34	29	36	14	20	25	1.1
HSA010	3.15	10	220	44	34	40	16	26	31	2.0
HSA013	5.3	13	267	52	43	46	22	34	40	4.0
HSA016	8.0	16	328	60	52	60	24	41	52	6.8
HSA018	12.5	18.20	388	90	82	75	26	48	62	11.6
HSA022	15.0	22	457	80	95	97	33	49	63	16.0

Model : HSA

### Eye Hook With Latch

Stock No.	Dimensions(mm)				W.L.L.(T)	Weight(KG)
	B	E	R	T		
UEH01501	19.0	20.0	81.0	19.0	1.25	0.26
UEH01505	22.5	22.0	90.5	20.5	1.6	0.41
UEH01510	27.0	27.0	105.0	27.0	2.5	0.61
UEH01515	32.0	32.0	123.5	30.0	3.2	0.98
UEH01520	39.0	37.0	147.0	37.0	5.4	1.68
UEH01525	50.0	48.0	190.0	48.0	8	3.63
UEH01530	64.0	53.0	230.0	53.0	11.5	6.72
UEH01535	70.5	60.0	25.0	60.0	16	10.04
UEH01540	89.0	77.0	316.0	77.0	22	16.20

Model : UEH

### Swivel Hook With Latch

Stock No.	Size(mm)	Dimensions(mm)							W.L.L.(T)	Weight(KG)
		A	E	B	H	K	L	M		
USH03306	6	31.8	22.3	23.8	9.5	113.5	142.5	16.0	1.12	0.40
USH03308	8	44.5	25.4	41.3	15.9	152.8	195.7	21.0	2.0	1.03
USH03310	10	44.5	28.4	39.7	15.9	161.9	207.9	23.0	3.15	1.29
USH03313	13	50.8	34.0	44.5	19.1	188.1	244.2	28.0	5.3	2.33
USH03316	16	63.5	42.9	58.7	25.4	243.7	315.7	35.5	8.0	4.72
USH03320	20	69.9	52.2	60.3	28.6	282.6	368.4	41.0	12.5	7.37
USH03322	22	79.4	57.0	71.4	31.8	303.2	403.7	56.5	15.0	10.63
USH03326	26	105.0	81.0	114.0	40.0	431.0	546.0	69.0	21.2	21.40
USH03332	32	105.0	82.5	105.0	40.0	472.0	596.0	76.2	31.5	32.00

Model : USH

### Container Hook

Stock No.	Size(mm)	Dimensions(mm)						W.L.L.(T)	Weight(KG)
		B	L	E	E1	R	Ø		
UCH01301	6	26.5	149.0	47.0	39.0	83.5	24.0	2	0.68
UCH01302	8	35.5	179.0	49.0	40.0	95.0	30.0	3	1.38
UCH01303	10	38.5	198.0	54.0	45.0	105.5	33.5	5	1.72
UCH01304	13	52.0	250.0	69.5	61.0	127.5	43.0	8	3.50

Model : UCH

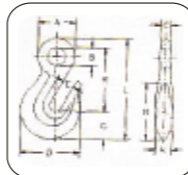


## ALLOY STEEL GRAB HOOK

- Material is highgrade alloy steel(quenched and tempered).
- Used with alloy chain Grade 80 for lifting application.
- Marked with Brand, WLL, Batch No.and Size.
- 100% 4 times of capacity proof load tested.
- Ulimtate load is 7 times of capacity.

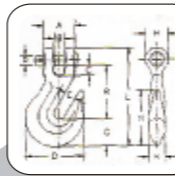


Chain Size(in.)	Stock No.	WLL(lbs)	Weight Each (lbs)	Alloy Eye Grab Hook Type: A-323											
				Dimensions(in.)											
				A	B	C	D	E	G	K	L	N	R		
1/4	1132384	3500	0.28	1.09	0.53	0.31	1.81	0.34	0.88	0.47	3.05	1.75	1.88		
5/16	1132400	4700	0.45	1.31	0.62	0.38	2.12	0.44	0.97	0.59	3.59	2.06	2.28		
3/8	1132428	7100	0.79	1.56	0.75	0.44	2.53	0.50	1.17	0.72	4.28	2.34	2.69		
1/2	1132464	12000	1.75	1.94	0.88	0.53	3.56	0.66	1.53	0.78	5.44	2.97	3.28		
5/8	1132482	15800	3.25	2.38	1.06	0.66	4.39	0.78	1.78	1.09	6.66	4.31	4.11		
3/4	1132507	24700	5.94	2.88	1.38	0.75	5.22	0.94	2.13	1.31	8.06	5.09	5.16		



Model :A-323

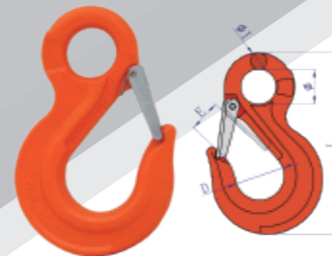
Chain Size(in.)	Stock No.	WLL(lbs)	Weight Each (lbs)	Alloy Clevis Swivel Grab Hook Type: A-330											
				Dimensions(in.)											
				A	B	C	D	E	G	H	K	L	N	P	R
1/4	1123249	3500	0.36	1.00	0.32	0.31	1.81	0.34	0.88	0.72	0.47	3.05	1.75	0.31	1.64
5/16	1123267	4700	0.62	1.22	0.43	0.36	2.12	0.44	0.97	0.91	0.59	3.66	2.06	0.38	2.02
3/8	1123285	7100	1.00	1.42	0.48	0.49	2.53	0.50	1.17	1.00	0.72	4.42	2.34	0.44	2.41
7/16	1123301	8750	1.31	1.66	0.66	0.62	3.09	0.56	1.31	1.13	0.69	4.94	2.66	0.56	2.75
1/2	1123329	12000	2.22	1.88	0.57	0.51	3.56	0.66	1.53	1.25	0.78	5.72	2.97	0.63	3.19
5/8	1123347	15800	4.41	2.31	0.71	0.67	4.39	0.78	1.78	1.56	1.09	6.83	4.31	0.75	4.09
3/4	1123365	24700	6.50	2.62	0.94	0.94	5.22	0.94	2.13	1.88	1.31	8.13	5.09	0.88	4.63



Model :A-330

### Eye Sling Hook With Latch

Stock No.	Size(mm)	Dimensions(mm)						W.L.L.(T)	Weight(KG)
		D	E	L	I	Ø			
ESH01106	6	32.4	25.0	107.0	9.0	20.0	1.12	0.30	
ESH01108	7/8	37.2	30.0	131.5	10.5	25.0	2.0	0.55	
ESH01110	10	43.8	32.5	167.0	16.0	38.0	3.15	1.15	
ESH01113	13	55.0	37.0	213.0	19.5	42.5	5.3	2.32	
ESH01116	16	68.9	42.0	256.0	23.0	50.0	8.0	3.45	
ESH01120	20	87.4	51.0	305.0	27.0	61.0	12.5	6.60	
ESH01122	22	98.0	72.0	344.0	33.0	68.3	15.0	8.50	
ESH01126	26	112.5	85.0	392.5	34.5	63.0	21.2	13.00	
ESH01132	32	140.0	106.0	480.5	37.0	88.0	31.5	17.00	



Model :ESH

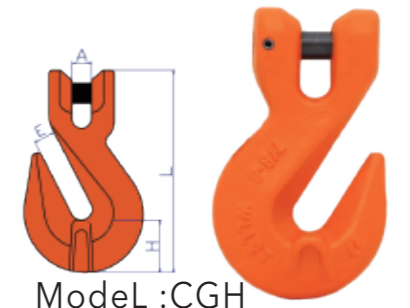
## CLEVIS SHORTENING GRAB HOOK

Stock No.	Size(mm)	Dimensions(mm)				W.L.L.(T)	Weight(LBS)
		A	E	H	L		
EGH00806	6	8.0	8.0	18.5	76.5	1.12	0.12
EGH00808	7/8	9.5	11.0	21.0	90.7	2	0.32
EGH00810	10	12.5	13.5	29.5	124.5	3.15	0.78
EGH00813	13	15.3	17.0	42.0	160.5	5.3	1.65
EGH00816	16	19.5	20.0	44.0	182.0	8	2.86
EGH00820	20	24.0	24.0	54.8	215.7	12.5	5.05
EGH00822	22	27.0	28.0	67.5	252.0	15	6.32
EGH00826	26	30.0	30.0	78.5	304.5	21.2	14.50



Model :EGH

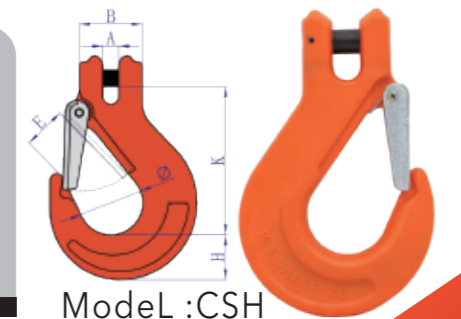
Stock No.	Size(mm)	Dimensions(mm)					W.L.L.(T)	Weight(LBS)
		R	H	E	Ø	L		
CGH00906	6	49.2	18.5	8.0	13.5	76.0	1.12	0.17
CGH00908	8	60.0	21.0	11.0	17.0	90.3	2	0.25
CGH00910	10	78.0	29.0	13.2	20.0	120.0	3.15	0.65
CGH00913	13	98.0	42.8	16.5	26.0	156.0	5.3	1.39
CGH00916	16	106.5	43.5	19.4	30.0	167.0	8	2.20
CGH00920	20	140.0	54.8	24.0	37.0	217.3	12.5	4.60
CGH00922	22	162.2	68.0	28.0	44.0	255.2	15	8.20
CGH00926	26	193.5	78.5	30.0	49.0	304.5	21.2	9.80
CGH00932	32	228.0	95.0	38.0	57.0	360.5	31.5	19.40



Model :CGH

### Clevis Sling Hook With Latch

Stock No.	Size(mm)	Dimensions(mm)						W.L.L.(T)	Weight(LBS)
		A	B	Ø	H	K	E		
CSH01006	6	9.0	35	27.0	20.5	74.0	21.0	1.12	0.17
CSH01008	7/8	9.3	36.8	37.5	26.5	86.5	26.0	2	0.25
CSH01010	10	12.4	46.6	44.5	33.5	104.0	30.0	3.15	0.65
CSH01013	13	16.9	54.6	56.3	41.0	128.0	43.0	5.3	1.39
CSH01016	16	21.5	70.5	63.5	49.5	157.0	47.0	8	2.20
CSH01020	20	24	88.5	75.5	56.5	186.5	52.0	12.5	4.60
CSH01022	22	28	90.0	98.0	63.0	205.0	68.0	15	8.20
CSH01026	26	31.1	116.0	114.0	75.0	245.4	85.0	21.2	9.80
CSH01032	32	35	150.0	140.0	88.0	317.0	106.0	31.5	19.40



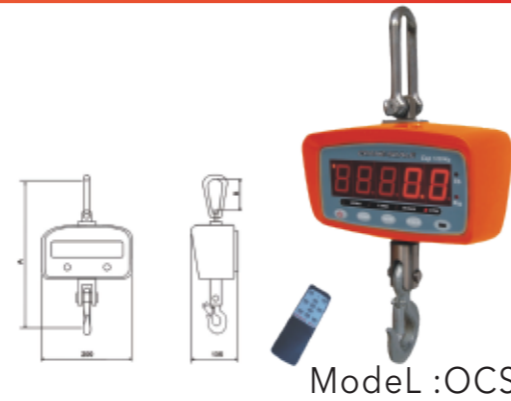
Model :CSH



## CRANE SCALE

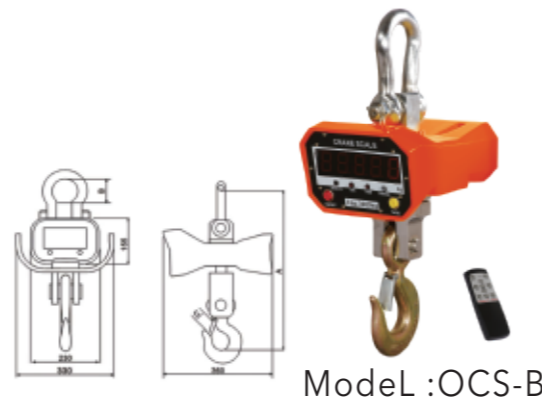
- 30mm(1.2") LED /LCDdisplay(OCS-M).
- Hold function.
- Gross/Net weight display convertible.

Model	Max Cap(kg)	Min Division(kg)	Dimensions(mm)			N.W.(kg)
			A	B	C	
OCS-05	50	0.02	350	80	20	4
OCS-01	100	0.05	350	80	20	4
OCS-02	200	0.1	350	80	20	4
OCS-03	300	0.1	350	80	20	4
OCS-05	500	0.2	370	85	30	4.5
OCS-01	1000	0.5	370	85	30	4.5



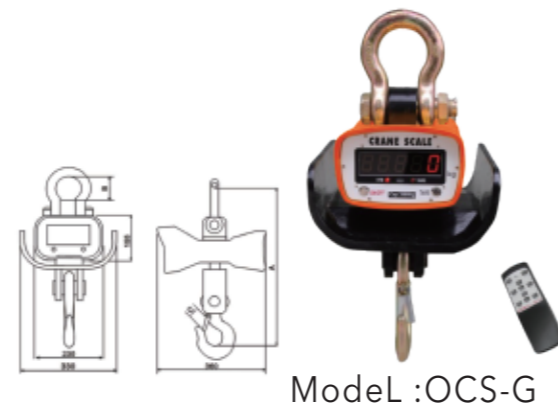
- Weight accumulation function.
- Auto shut function.
- Remote control calibration.

Model	Max Cap(kg)	Min Division(kg)	Dimensions(mm)			N.W.(kg)
			A	B	C	
OCS-1-B	1000	0.5	420	65	35	12
OCS-2-B	2000	1	600	80	45	14
OCS-3-B	3000	1	600	80	45	14
OCS-5-B	5000	2	730	100	55	24
OCS-10-B	10000	5	850	120	70	44
OCS-15-B	15000	5	900	140	70	60
OCS-20-B	20000	10	900	140	70	60



- Easy to replace battery.
- AC/DC power adaptor: output DC9V/1.5A.
- 6V/10Ah rechargeable scaled leadacid battery.
- Remote distance: min.10m.

Model	Max Cap(kg)	Min Division(kg)	Dimensions(mm)			N.W.(kg)
			A	B	C	
OCS-1-G	1000	0.5	420	65	35	12
OCS-2-G	2000	1	600	80	45	14
OCS-3-G	3000	1	730	100	55	24
OCS-5-G	5000	2	850	120	70	44
OCS-10-G	10000	5	900	140	70	60
OCS-15-G	15000	10	900	140	70	60



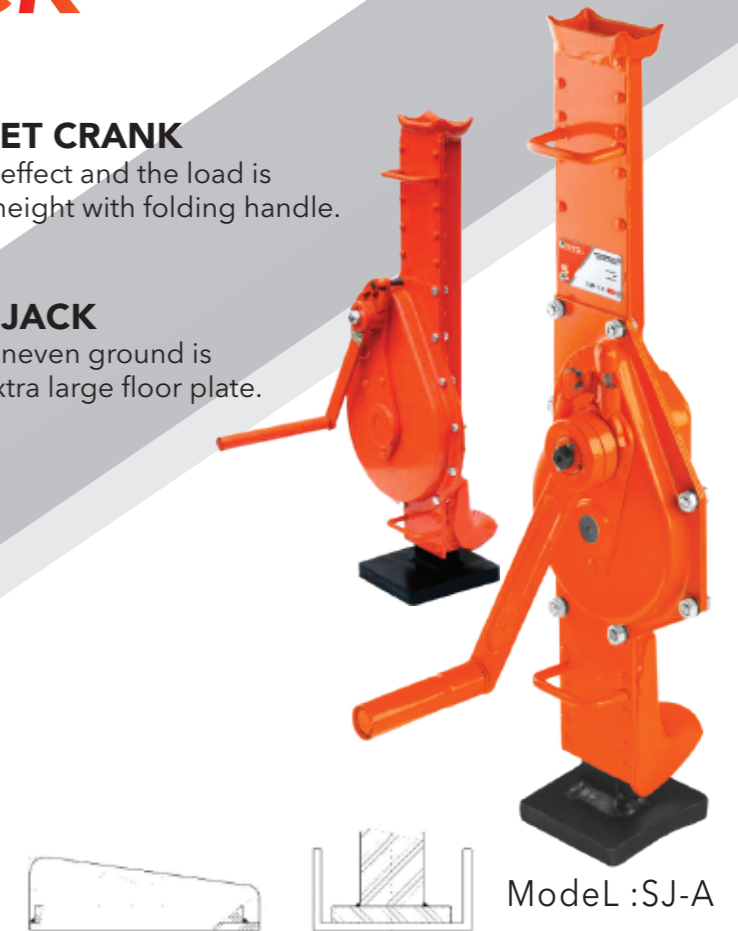
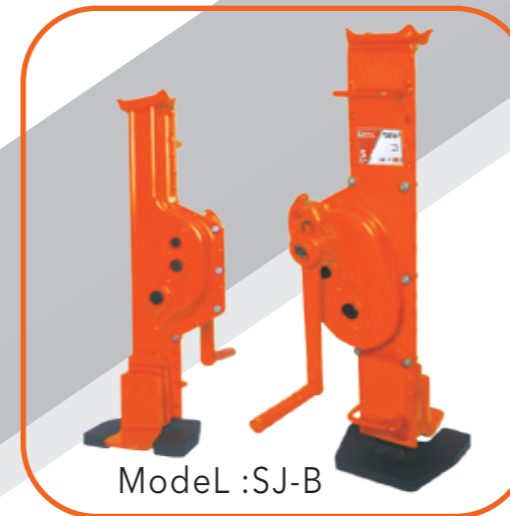
## MECHANICAL STEEL JACK



**SAFETY RACTHET CRANK**  
One - sided braking effect and the load is held safety at every height with folding handle.



**SAFETY RAIL JACK**  
High stability on uneven ground is ensured by the extra large floor plate.



Model	Safe Working Load (t)	Height of Load (mm)	Lifting Height (mm)	Height of Claw in Lowest Position (mm)	Net Weight (kg)
SJ-A 1.5	1.5	725	300	70	13
SJ-A 3	3.0	725	300	75	20
SJ-A 5	5.0	725	350	70	27
SJ-A 10	10	800	350	90	47
SJ-A 16	16	950	400	95	64
SJ-A 20	20	950	400	95	73
SJ-A 1.5	1.5	570	300	70	11
SJ-B 3	3.0	570	300	75	18
SJ-B 5	5.0	600	300	70	22
SJ-B 10	10	650	300	80	38



## LIFTING JACK

### Manual Hydraulic Cylinder with Toe-lift

Widely used in mechanical equipment, bridge construction, railway track and other aspects of the installation and maintenance, transportation heavy loading and unloading, car tractor repair.



Model :HTL

## STANDARD FLOOR JACK

- Large Steel Casters and swivel casters for easy maneuverability.
- Lightweight for easy mobility and transport.
- All welded steel frame construction with rust resistant finish for longer tool life.
- Meet ANSI/AS ME&CE/GS standards.



Model :HFJ

Model	Capacity (T)	Head Capacity (T)	Min.toc Height (cm)	Max.toc Height (cm)	Min.Head Height (cm)	Max.Head Height (cm)	Packing size (mm)	Net Weight (kg)
HTL1102	5	2.5	16	130	235	362	215x160x260mm	10
HTL1105	10	5	25	148	295	418	305x220x320mm	24
HTL1110	20	10	32	173	330	471	325x275x355mm	38
HTL1115	30	15	32	200	345	520	330x280x360mm	48
HTL1125	50	25	40	160	390	520	395x300x420mm	80

Model	Lifting Wt (ton)	Min.H(mm)	Lifting.H.(mm)	Max H.(mm)	Net.WT(kg)	GR.WT.(Kg)	Quantity (pcs)	Package	Measurement (cm)	20' Container (pcs)
HFJ-A 050101	2	125	175	300	6.5	7.5	1	Blow case	45x22.5x14.5	2400
HFJ-A 050102	2	125	175	300	6.5	7	1	Color box	43x20x13.5	2600
HFJ-A 050103	2	135	200	335	7.5	8.5	1	Blow case	48x23.3x15.5	1900
HFJ-A 050103	2	135	200	335	7.5	8	1	Color box	45.5x20x14.5	2100
HFJ-A 050105	2	135	200	335	8.5	9.5	1	Blow case	48x23.3x15.5	1900
HFJ-A 050105	2	135	200	335	8.5	9	1	Color box	45.5x21x14.5	2100
HFJ-A 050107	2	135	215	350	9.5	11	1	Blow case	53x23.0x15.0	1500
HFJ-A050108	2	135	215	350	9.5	10	1	Color box	50.5x21x15.0	1400
HFJ-A 050114	1.5	125	175	300	7	8	1	Blow case	45x22.5x14.5	2400
HFJ-A 050115	1.5	125	175	300	7	7.5	1	Color box	43x20x13.5	2600

## Hydraulic Jack

- The load must be stable during lifting.
- Unit must be used on flat surfaces able on carry the load.



Model :HYJ

Model	Rated lifting Capacity (t)	Min.toc Height (mm)	Lifting stroke (mm)	N.W/G.W.(kg)	Packing size (mm)
HYJ 1305	5	25	230	21	365x200x430
HYJ 1310	10	30	260	30	380x225x485
HYJ 1325	25	58	273	101	540x320x615

## Hydraulic Bottle Jack Standard Type

High performance, low failure, long life.



Model :HBJ

Model	Capacity (T)	Min.H(mm)	Lifting.H.(mm)	Adjust H.(mm)	N.W.(Kg)	Qty/Ctn(pcs)
HBJ002	2	148	80	50	2.2	10
HBJ004	4	180	110	60	3	5
HBJ006	6	185	110	60	3.8	5
HBJ008	8	200	125	60	4.8	4
HBJ010	10	200	125	60	5.3	4
HBJ012	12	210	125	60	6.5	4
HBJ016	16	225	140	60	7.5	2
HBJ020	20	235	145	60	10	2
HBJ050	50	255	150	60	20	1
HBJ 050	50	230	120	60	19.5	1
HBJ100	100	335	180		68	1
HBJ200	200	370	200		138	1



# DOUBLE-ACTING hydraulic cylinders series

- Double-acting, allowing for both push and pull forces.
- Baked enamel finish for increased corrosion resistance.
- Built-in safety valve prevents accidental overload.



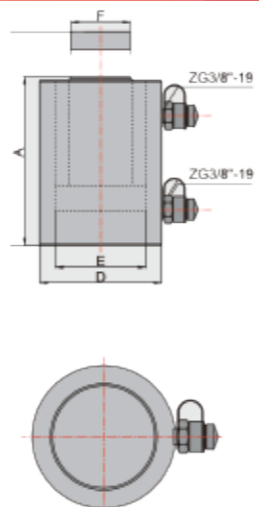
HHYG cylinder is the best solution to precise controlled heavy loads.



Replacing adjustment rolls under a fly-over with RR cylinders, for controlled lifting an lowering.

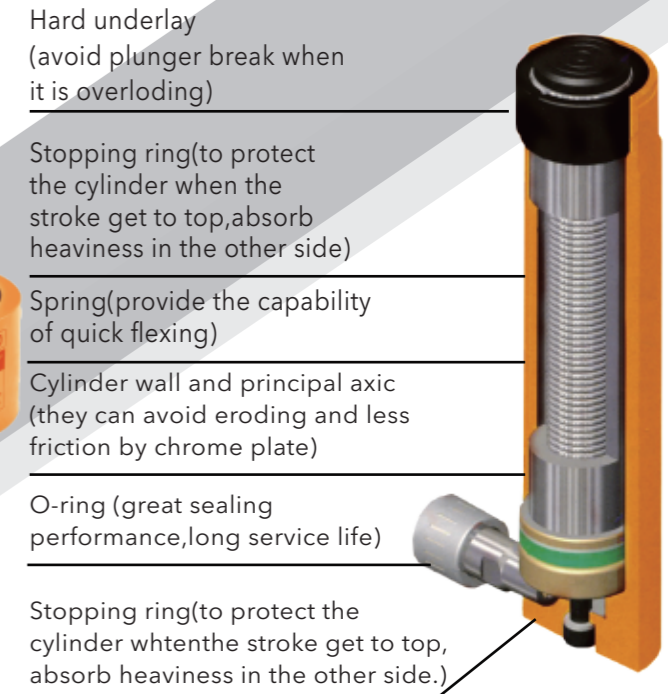
## SPECIFICATION

Model	Tonnage (T)	Stroke (mm)	Oil capacity (cm <sup>3</sup> )	Closed height A (mm)	Extended Height B (mm)	Outside Dia. (mm)	Inside Dia. E (mm)	Piston Dia. F (mm)	G.W. (Kg)
PR-10250	10	250	491	380	630	70	45	36	11
PR-10300	10	300	589	430	730	70	45	36	11
PR-20250	20	250	707	390	640	80	60	45	13
PR-20300	20	300	848	440	740	80	60	45	15
PR-30200	30	200	884	364	564	95	75	65	17
PR-30300	30	300	1325	464	764	95	75	65	21
PR-50200	50	200	1418	374	574	120	95	70	29
PR-50300	50	300	2126	474	774	120	95	70	35
PR-100200	100	200	2863	389	589	175	135	90	60
PR-100300	100	300	4294	489	789	175	135	90	73
PR-20050	200	50	1418	217	267	228	190	135	63
PR-200150	200	150	4253	317	467	228	190	135	84
PR-200300	200	300	8506	467	767	228	190	135	146
PR-25050	250	50	1815	261	311	270	215	180	102
PR-250150	250	150	5446	361	511	270	215	180	135
PR-250300	250	300	10892	511	811	270	215	180	184
PR-30050	300	50	2262	280	330	285	240	200	133
PR-300150	300	150	6786	380	530	285	240	200	173
PR-300300	300	300	13572	530	830	285	240	200	231
PR-40050	400	50	2863	341	391	325	270	220	211
PR-400150	400	150	8588	441	591	325	270	220	262
PR-400300	400	300	17177	591	891	325	270	220	336
PR-50050	500	50	3653	376	426	372	305	250	309
PR-500150	500	150	10959	476	626	372	305	250	360
PR-500300	500	300	21918	626	926	372	305	250	460
PR-60050	600	50	4276	397	447	402	330	270	381
PR-600150	600	150	12829	497	647	402	330	270	458
PR-600300	600	300	25659	647	947	402	330	270	575
PR-80050	800	50	5973	438	488	472	390	320	583
PR-800150	800	150	17919	538	688	472	390	320	681
PR-800300	800	300	35838	688	988	472	390	320	850
PR-100050	1000	50	7261	493	543	550	450	360	830
PR-1000150	1000	150	21783	620	820	550	450	360	970
PR-1000300	1000	300	43566	720	1020	550	450	360	1177



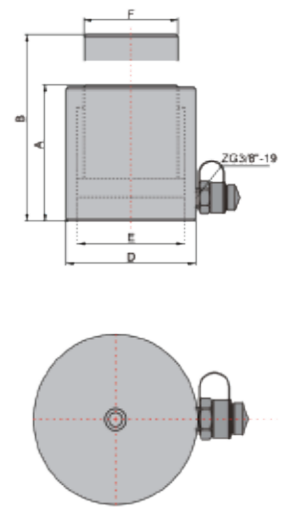
# HYDRAULIC CYLINDERS

- Lightweight ,easy to carry.
- Baked enamel finish for increased corrosion resistance.
- All the raw material specially hear-treated and processed by imported CNC lathes.
- Importde high quality seals to provide better protection to the cylinder,making the cylinder not easy to wear out.



## SPECIFICATION

Model	Tonnage (T)	Stroke (mm)	Oil capacity (cm <sup>3</sup> )	Closed height A (mm)	Extended Height B (mm)	Outside Dia. (mm)	Inside Dia. E (mm)	Piston Dia. F (mm)	G.W. (Kg)
RSC-1050	10	50	85	120	170	60	45	38	3.1
RSC-10100	10	100	169	170	270	60	45	38	4.4
RSC-10150	10	150	254	220	370	60	45	38	5.7
RSC-2050	20	50	157	120	170	88	65	53	4
RSC-20100	20	100	311	170	270	88	65	53	5.3
RSC-20150	20	150	465	220	370	88	65	53	6.6
RSC-3050	30	50	237	120	170	107	75	68	7.9
RSC-30100	30	100	471	170	270	107	75	68	10.7
RSC-30150	30	150	705	220	370	107	75	68	13.5
RSC-5050	50	50	389	120	170	127	95	85	11.4
RSC-50100	50	100	768	170	270	127	95	85	14.9
RSC-50150	50	150	1147	220	370	127	95	85	18
RSC-10050	100	50	779	120	170	177	130	110	25.7
RSC-100100	100	100	1530	170	270	177	130	110	30.6
RSC-100150	100	150	2281	220	320	177	130	110	35.5
RSC-15050	150	50	1133	182	232	205	165	115	43
RSC-150100	150	100	2237	232	332	205	165	115	53
RSC-150150	150	150	3342	282	432	205	165	115	63
RSC-20050	200	50	1500	202	252	228	190	135	80
RSC-200100	200	100	2953	252	352	228	190	135	71
RSC-200150	200	150	4406	302	452	228	190	135	83
RSC-25050	250	50	1815	248	298	270	215	180	105
RSC-250150	250	150	5446	348	498	270	215	180	142
RSC-250300	250	300	10892	498	798	270	215	180	196
RSC-30050	300	50	2262	267	317	285	240	200	126
RSC-300150	300	150	6786	367	517	285	240	200	165
RSC-300300	300	300	13572	517	817	285	240	200	224
RSC-40050	400	50	2863	315	365	325	270	220	195
RSC-400150	400	150	8588	415	565	325	270	220	245
RSC-400300	400	300	17177	565	865	325	270	220	318
RSC-50050	500	50	3653	345	395	373	305	250	283
RSC-500150	500	150	10959	445	595	373	305	250	349
RSC-500300	500	300	21918	595	895	373	305	250	451





## MULTI-STAGE HYDRAULIC CYLINDERS

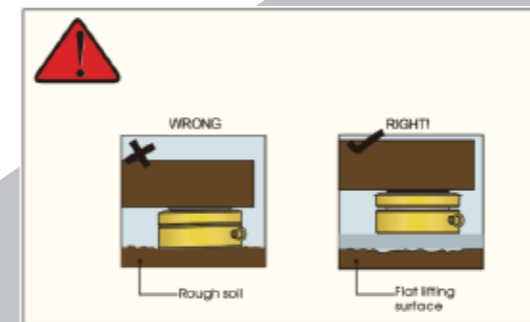
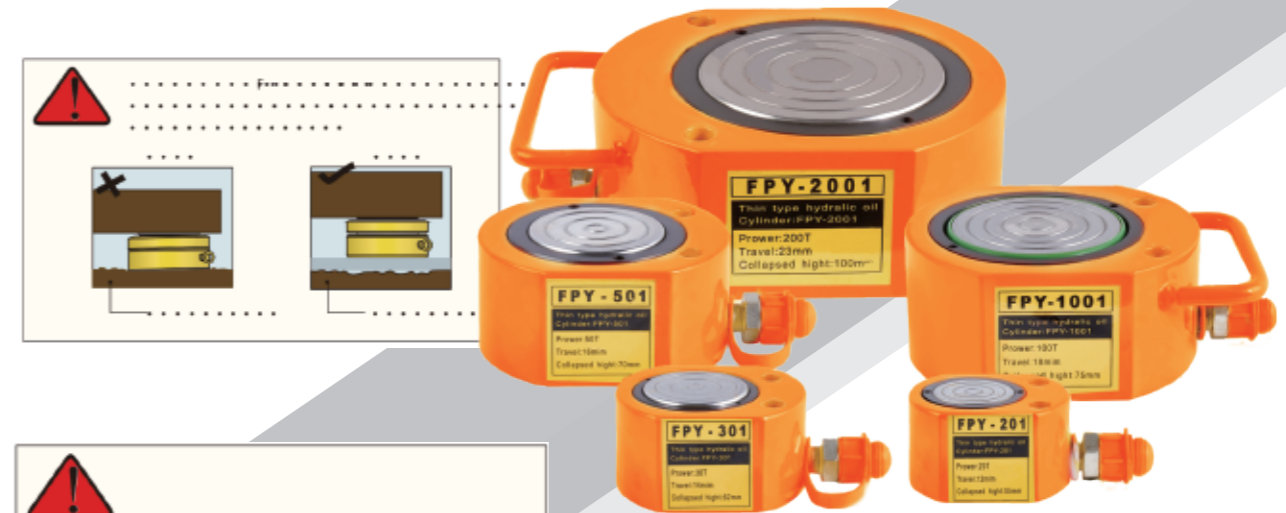
- Lightweight, low profile design for use in confined spaces.
- Baked enamel finish for increased corrosion resistance.
- Plunger wiper reduces contamination, Extending Cylinder life.
- It is easy to carry, there are two holes on the surface of the oil vat for stability.
- Match pump HHB-700, HHB-800, HHB-600A.



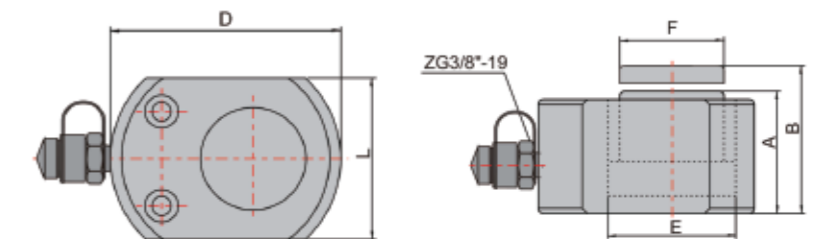
### SPECIFICATION

Model	Tonnage (T)	Stroke (mm)	Oil capacity (cm <sup>3</sup> )	Closed height A(mm)	Extended Height B(mm)	Outside Dia. (mm)	G.W. (Kg)
FPY-10	10	25	30	49	74	83x60	1.6
FPY-20	20	26	51	52	80	99x76	2.7
FPY-30	30	53	123	63	118	115x95	4.5
FPY-50	50	64	188	69	135	138x115	7.9
FPY-100	100	69	418	86	162	185x160	16.9

## LOW HEIGHT HYDRAULIC CYLINDERS



All FPY series cylinders require a solid lifting surface for correct support. Using cylinders on surfaces such as sand, mud or dirt may result in cylinder damage!



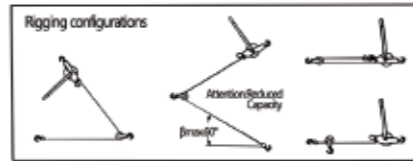
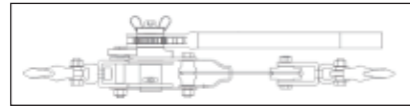
### SPECIFICATION

Model	Tonnage (T)	Stroke (mm)	Oil capacity (cm <sup>3</sup> )	Closed height A(mm)	Extended Height B(mm)	Outside Dia. (mm)	Inside Dia. E(mm)	Piston Dia. F(mm)	G.W. (Kg)
FPY-101	10	10	16	47	58	83x60	45	38	1.6
FPY-201	20	11	34	52	63	99x76	60	50	2.7
FPY-301	30	12	55	62	75	115x95	75	63	4.6
FPY-501	50	16	101	69	85	138x115	95	85	7.8
FPY-1001	100	16	200	86	102	188x160	130	110	16.8
FPY-1501	150	16	342	100	116	215x190	165	115	27
FPY-2001	200	20	587	96	116	255x240	195	125	42



## RATCHET PULLER

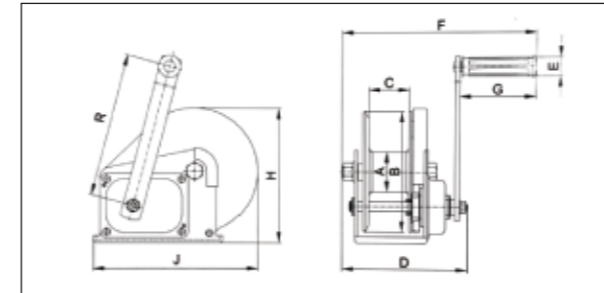
- Ratchet and other core components use high-quality alloy steel.
- The hook is made of 35 crmo material.
- Forward/reverse load holding mechanism 360° Handle movement
- Fast advance mechanism.
- High quality galvanized steel wire rope.



Model : JRP

## HAND WINCH

- The cost-effective solution for a wide variety of applications, Brake Hand Winches can be used to pull or lift loads.
- Positive action brake can hold the load in any position.



Model : BHW

Model	JRP-1000	JRP-1500	JRP-2000	JRP-3000	
Rated capacity	t	1.0	1.5	20	3.0
Wire rope diameter(mm) * length(mm)	5*2300	6*2300	6*2300	8*2300	
Length of the after tightening	mm	580	680	680	780
Net weight	kg	3.30	4.35	4.70	6.5

Model	Rated capacity(lbs)	Test load (KN)	Transmission ratio	Hand operated strength(N)	Dimensions(mm)												Net weight (kg) (no wire rope)
					A	B	C	D	E	F	G	H	J	R			
BHW-12	1200	8	4.2:1	180	Φ48	Φ134	51	157	Φ27	273	110	156	184	208	3.7		
BHW-18	1800	12	5:1	190	Φ60	Φ180	60	190	Φ27	288	110	203	246	319	8.1		
BHW-26	2600	17.5	10:1	190	Φ75	Φ180	63	209	Φ27	307	110	216	294	319	10.3		

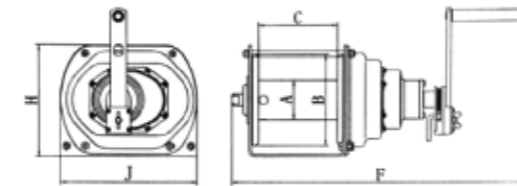
## Wire Grip

- Product is forged of alloy steel with heat treatment.
- The rack has strong anti-tension with high occlusion strength.
- The clamping jaw are made of 20crmnti carburizing steel, doubling the service life.



Model : SD

Ideal for use in confined locations, the ratchet handle permits reciprocating handle movement in both directions for hoisting and lowering loads.



Model : JHW

Model	SD-0.5	SD-1	SD-2	JX-3	
Rated capacity	t	0.5	1	2	3
Wire diameter Recommend mm	1-10	2.5-16	4-22	16-32	
Dimensions mm	A	55	71	91	129
	B	131	189	248	296
	C	16	25	25	30
	D	16	37	42	50
Net weight	kg	0.45	0.75	1.5	2.5

Model	Safe Working Load(t)	Test load (KN)	Adopted wire rope dia.×length(m)	Transmission ratio	The max length of link-pole action(mm)	Min. force of hand tum (N)	Dimensions(mm)												Net weight (kg)
							A	B	C	D	E	F	H	I	J				
0.5t	0.5	6.125	Φ6.3×40	4.33:1	350	120	Φ60	Φ140	150	100	Φ15	403	182	130	245	14.4			
1t	1	12.25	Φ8×40	12.19:1	350	120	Φ76	Φ175	154	110	Φ18	443	214	170	286	19.7			
2t	2	24.5	Φ9×40	22.68:1	350	130	Φ90	Φ190	195	155	Φ18	490	230	170	300	25.1			
3t	3	36.75	Φ12.5×40	29.16:1	350	180	Φ100	Φ230	205	155	Φ18	549	296	170	365	44.3			



## CARGO TROLLEY

Turnable with bearings  
SPECIFICATIONS

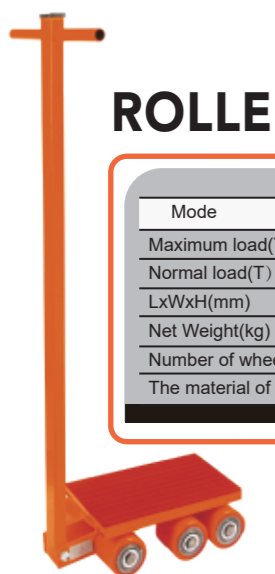
Item No.	Capacity(t)	N.W.(kg)
RSA04	6	13.95
RSA06	8	20.8
RSA08	12	27.1
RSA12	18	42.45



Model :RSA

## ROLLER SKATES

Mode	RS-W-6	RS-W-8	RS-W-12	RS-W-15	RS-W-24	RS-W-30
Maximum load(T)	6	8	12	15	24	30
Normal load(T)	4	6	8	12	18	24
LxWxH(mm)	80x70	80x70	80x70	80x 70(Double)	80x70(Double)	100x70(Double)
Net Weight(kg)	14	20	32	36	52	86
Number of wheels	4	6	8	6	8	8
The material of wheel	PU wheel	Steel wheel				



Model :RS-W

- Shifting skates can be used wherever heavy objects have to be moved. The load can be lifted using either the roller crowbar or a jack, allowing the skates to be easily positioned.
- The large diameter sealed nylon roller ensure ease of movement and spread the load, protecting high quality floors from damage caused by highpoint loads and oil/grease contamination.



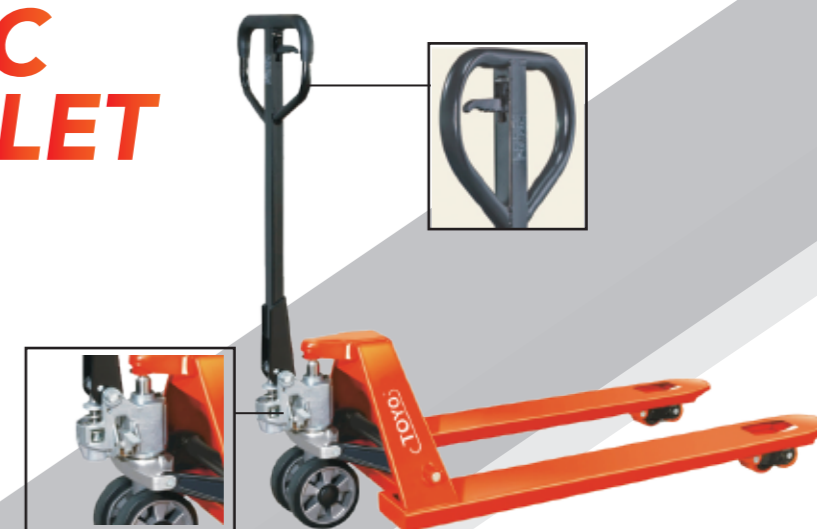
Model :RS-C

Mode	RS-C-2	RS-C-4	RS-C-6	RS-C-10	RS-C-15
Maximum load(T)	3	5	8	12	18
Normal load(T)	2	4	6	10	15
LxWxH(mm)	500x480x110	630x550x110	630x550x110	650x560x110	720x620x110
Net Weight(kg)	20.5	32.5	45	67	88
Number of wheels	3	5	3	4	5
The material of wheel	PU wheel / Steel wheel				

## HYDRAULIC HAND PALLET TRUCK

### AC SERIES

The Hand Pallet Truck is the ideal "storage aid" and "handling partner" for all manual transport tasks over short distances, excellently suitable for use on lorries, in small warehouses and markets ect.



Model :AC

Model	CBY-AC 2.0	CBY-AC 2.5	CBY-AC3.0	CBY-AC5.0
Capacity(kg)	2000	2500	3000	5000
Min.fork height(mm)	85/75	85/75	85/75	85/75
Max.fork height(mm)	195/185	195/185	195/185	195/185
Lifting height(mm)	110	110	110	110
Fork length(mm)	1150/1220	1150/1220	1150/1220	1150/1220
Single fork width(mm)	160	160	160	160
Width overall forks(mm)	550/685	550/685	550/685	550/685
Fork wheel-single(mm)	80X93/74X93	80X93/74X93	80X93/74X93	80X93/74X93
Fork wheel-landem(mm)	80X70	80X70	80X70	80X70
Steering wheel(mm)	180X50	180X50	180X50	180X50
Self weight(kg)	73-92	73-92	73-92	73-92
Qty/20 feet container (pcs)	180/144	180/144	180/144	180/144

### CW SERIES

Hand Pallet Truck with scale is an excellent economic solution for all weighing requirements in a busy warehouse environments, which allows you to weigh cargo where you want and when you want.



Model	CBY.CW
Capacity(kg)	1500/2000/2500/3000
Total lift height(mm)	195
Lowered fork height(mm)	85
Fork length(mm)	1150/1220
Width overall forks(mm)	550/685
Steering wheel(mm)	φ 180x50
Fork wheel(mm)	φ 80x70
Truck weight(kg)	120-130



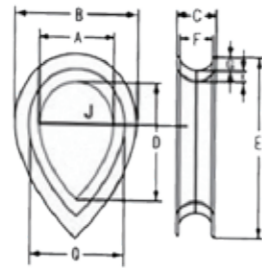
Model :CW







## THIMBLES FOR STEEL WIRE ROPE



Model : BS464

Product Code	Rope Dia (in)	A	B	Dimensions(in)		E	F	G	K	Q	Weight Each (Kg/pc)
BS464 0601	5/16"	22.2	38	12.7	33.4	52	7.9	4	4	30.1	0.077
BS464 0602	3/8"	25.4	47.6	14.3	38	64	10.3	6.3	4.8	35	0.1
BS464 0603	7/16"	28.6	52	17.5	41.3	73	12.7	7.9	4.8	38	0.107
BS464 0604	1/2"	31.7	53.8	20.6	44.5	79.4	14.3	7.9	5.5	42.9	0.17
BS464 0605	9/16"	31.7	58.8	20.6	44.5	79.4	14.3	7.9	5.5	42.9	0.189
BS464 0606	5/8"	41.3	74.5	22.2	58.8	95.8	15.9	8.7	7.9	56	0.3
BS464 0607	3/4"	50.8	92	28.6	73	124	20.6	11.1	9.5	69.8	0.6
BS464 0608	7/8"	56	102	31.7	82.5	133	22.2	12.7	9.5	76.2	0.69
BS464 0609	1"	69.8	119	35	108	162	27	14.3	10.3	90.5	1.15
BS464 0610	1 1/8"	76.2	133	38	112	178	28.6	15.9	12.7	102	1.4
BS464 0611	1 1/4"	95	152	41.3	133	197	33.4	15.9	12.7	121	1.5
BS464 0612	1 3/8"	105	175	47.6	152	228	38	19	15.9	137	2.5
BS464 0614	1 1/2"	114	197	52	165	254	41.3	23.8	17.5	149	3.75
BS464 0615	1 5/8"	114	197	58.6	165	254	42.9	23.8	17.5	149	3.91
BS464 0616	1 7/8"	127	228	56	178	286	50.8	25.4	17.8	178	6.67
BS464 0617	2"	133	248	56.6	190	317	60.4	28.6	28.6	190	8.42
BS464 0618	2 1/4"	140	257	69.8	203	330	64	28.6	28.6	197	9.98

### Wedge Socket

SIZE (mm)	WEGHT (KN)	B.LL (KN)	B (mm)	D (H10) (mm)	A (mm)	R (mm)	PIN	Weight (Kg)
6	10	43	29	16	90	16	2×20	0.56
8	10	51	31	18	100	25	2×20	0.77
10	15	71	38	20	120	25	2×25	1.01
12	20	100	44	25	155	30	2×25	1.77
14	25	118.5	51	30	185	35	2×25	3.02
16	30	161.3	60	34	195	42	3×30	4.6
18	35	184	64	36	195	44	3×30	5.35
20	50	249.6	72	38	220	50	3×30	7.9
22	55	285.3	76	40	240	52	4×50	10.8
24	65	327	83	50	260	60	4×50	18.9
26	75	373.6	92	55	280	65	4×50	17.2
28	95	487.6	97	55	305	70	4×50	19.5
32	120	600	110	65	360	77	5×60	32.9
36	155	780	122	70	390	85	5×60	43
40	200	984	145	75	470	90	5×60	55

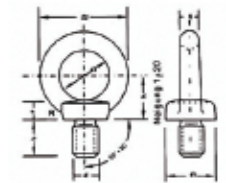


Model : RW

## EYE SCREW

### Eye Screw Din580 Finish:Bright or Galvanized

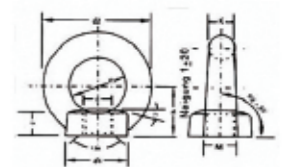
Side d	WLL(T)	WLL(T)	Dimensions(mm)							Weight %(Kg)
			d1	d2	d3	b	e	h	k	
M6*	0.07	0.05	17	28	16	13	6	17	6	5
M8*	0.14	0.095	20	36	20	15	6	18	8	6
M10*	0.23	0.17	25	45	25	18	8	22	10	11
M12	0.34	0.24	30	54	30	22	10	26	12	18
M14*	0.49	0.34	35	63	35	28	12	30	14	28.5
M16*	0.7	0.50	35	63	35	28	12	30	14	28
M20	1.2	0.83	40	72	40	30	12	35	16	45
M22*	1.5	1.05	45	81	45	35	14	40	18	67
M24	1.8	1.27	50	90	50	38	16	45	20	87
M27*	2.5	1.65	50	90	50	38	18	45	20	88
M30	3.6	2.60	65	108	60	45	18	55	24	166
M33*	4.3	3.20	65	108	60	45	22	55	24	172
M36	5.1	3.70	75	126	70	55	22	65	28	265
M39*	6.1	4.30	75	126	70	55	26	65	28	280
M42	7.0	5.00	85	144	80	65	30	75	32	403
M45*	8.0	5.50	85	144	80	65	30	75	32	425
M48	8.6	6.10	100	166	90	70	35	85	38	638
M52*	9.9	7.30	100	166	90	70	35	85	38	660
M56	11.5	8.30	110	184	100	80	38	95	42	880
M64	16.0	11.0	120	206	110	90	42	100	48	1240



Model : DIN580

### Ring-Nut Din582 Finish:Bright or Galvanized

Side d	WLL(T)	WLL(T)	Dimensions(mm)						Weight %(Kg)
			d1	d2	d3	e	h	k	
M6*	-	-	20	36	20	8.5	18	8	4.9
M8*	0.14	0.095	20	36	20	8.5	18	8	5
M10*	0.23	0.17	25	45	25	10	22	10	9
M12	0.34	0.24	30	54	30	11	26	12	16
M16	0.7	0.5	35	63	35	13	30	14	24
M20	1.2	0.83	40	72	40	16	35	16	36
M22*	1.5	1.05	45	81	45	18	40	18	58
M24	1.8	1.27	50	90	50	20	45	20	72
M27*	2.5	1.65	50	90	50	20	45	20	70
M30	3.6	2.6	65	108	60	25	55	24	132
M33*	4.3	3.2	65	108	60	25	55	24	130
M36	5.1	3.7	75	126	70	30	65	28	208
M39*	6.1	4.3	75	126	70	30	65	28	202
M42	7	5	85	144	80	35	75	32	311
M45*	8	5.5	85	144	80	35	75	32	304
M48	8.6	6.1	100	166	90	40	85	38	502
M52*	9.9	7.3	100	166	90	40	85	38	495
M56	11.5	8.3	110	184	100	45	95	42	669
M64	16	11	120	206	110	50	105	48	930



Model : DIN582