

ALL LIFTING EQUIPMENTS



ELECTRIC HOIST EQUIPMENTS · MANUAL HOIST EQUIPMENTS
LIFTING CLAMPS · TEXTILE LIFTING SLINGS · CRANE SYSTEM

PRODUCTS AND CLIENTS

PAWELL offer equipments and solutions including Electric Chain Hoist, Electric Wire Rope Hoist, Cranes, Trolleys, Chain Block, Lever Block, Lifting Clamps, Winches, Jacks, Slings, Load Chain and Project Solutions.

Our main clients are professional lifting and material handling re-sellers, dealers, system integrators, project installers, engineering companies and original equipments manufacturers.

DISTRIBUTOR SALES POLICY

As a distributor of PAWELL, you have an opportunity to add further income and profit to your company by dealing with one of the most respected supplier. With many years rich experience we focus on high specification applications that require safety provided by its quality equipments range.

MARKETING SUPPORT AND PROMOTIONAL EFFORTS

As a commitment to our distributors, we have developed very professional product brochures, product drawings, operating manuals, safety posters..., we are happy to share all these publications, products informations and advices with all our distributors.

WARRANTY CLAIMS

All equipments complies with the high standards of quality established in respect of materials and workmanship and as the sole and exclusive remedy in discharge of this warranty the company undertakes to replace free of charge within 12 months from date of dispatch. You will get the spare parts from our agency or distributors' warehouse or from our factory directly.

ADVANTAGES OF PAWELL

- We hold an extensive range of all lifting equipments including spare parts, you will have one stop service here.
- We test each unit of PAWELL brand products before delivery and provide fast delivery for every order.
- We have professional engineer team and QC team to ensure the best design and quality control.
- We have good sales team and all our staffs hold qualifications relating to the products and service we supply.
- When deal with PAWELL, you will get products advice, experience, problem solving and flexible cooperation, which are all free of charge.



USA



Canada



Mexico



Panama



Peru



Brazil



Chile



Argentina



Paraguay



Norway



Sweden



UK



Germany



Poland



Italy



Turkey



Russia



China



UAE



India



Malaysia



Indonesia



Vietnam



Thailand



Saudi Arabia



Morocco



Egypt



South Africa



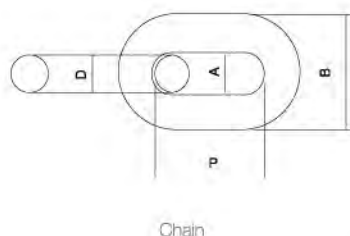
Australia

ELECTRIC CHAIN HOIST

Suspension Type Hoist
Electric Hoist With Trolley
Low Headroom Hoist
Single Phase Hoist
Stage Hoist
Electric Trolley



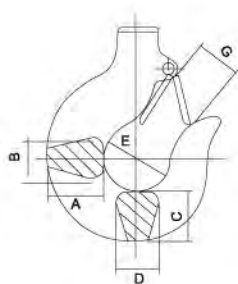
PAWELL



Chain

Chain

Applicable Type	Diameter (mm) D	Inside length (mm) P	Inside width (mm) A	Outside width (mm) B	Work load (kg)	Guaranteed load (kg)	Break load (kg)
PE005S PE010L	6.3	19	7.9	22	1120	27	47
PE010S PE020L	7.1	21	8.9	25	1600	37	61.6
PE020S PE030L	10.0	30	12.5	35	3200	76	125
PE030S PE050S PE075S PE100S PE150S PE200S PE250S PE300S PE350S PE500S	11.2	34	14	39	3800	92	154



Hook

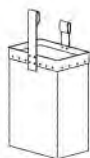
Hook

Type	Load (T)	T B	A	B	C	D	E	G
PE	0.5	T B	27	18	25	17	35	28
	1	T B	34	24	30	24	42	32
	2	T B	46	29	39	30	49	40
	3	T B	56	35	49	34	59	48
	5	T B	67	43	57	44	60	48
	7.5	T B	82	55	80	48	85	80
	10	T B	82	55	80	48	85	80
	15	T B	110	78	120	80	120	96
	20,25	T B	142	95	155	98	150	115

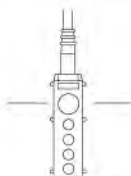
T-upper hook / B-lower hook

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

Standard Fittings With Electric Chain Hoist



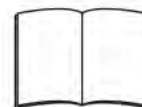
Canvas Chain Bag



Control Pendant



Lubricating Oil



Operation Manual

Electric chain hoist model PE (with suspension hook) or PET (with integrated trolley)

The PE series is a range of high quality products for professional applications. They are highly efficient and engineered for a long working life. The hoists are composed of three main component parts which makes service easy and inexpensive.

PAWELL Electric Chain Hoist Outline

Rated capacity	250kgs to 50t for Single speed & Dual speed
Power Voltage	Single voltage 220V-690V, 50/60Hz Dual voltage-220V/440V, 220V/380V, 230V/460V
Control voltage	24V,36V,48V
Working Group	M4,M5(ISO Standard)/1Am, 2m(FEM Standard)
Motor insulation	Class F
Protection	IP54 for Hoist body - IP54, IP54 for Push button control
Suspension types	Hook, manual trolley, electric trolley
Working temperature	-20 °C to 40 °C (-4 to 104 °F)
Working humidity	85% RH or less



Features

- Classification 1 Am,
- The standard version comes with direct control.
- 1 years warranty (excluding wear parts) as well as a lifetime lubricated gear box.
- Duty cycle 40 % at one operating speed.
- The heavy duty squirrel cage motor has an adjustable spring pressure brake that holds the load secure even in the event of a power failure.
- Motor protected to IP 54, insulation class F.
- The 5-pocket load chain sheave, manufactured from wear resistant case hardening steel, is matched perfectly to the load chain to guarantee smooth and precise chain motion.
- The assembly of component parts result in a low overall height (up to 3000 kg only one chain fall).
- The standard, oil bath lubricated planetary gearbox is particularly smooth running.
- Forged suspension and load hooks, manufactured from non-aging, high alloy tempering steel, yield under overload instead of breaking.
- The standard case hardened and FEC chain is matched perfectly to the load chain to guarantee smooth and precise chain motion.
- All requirements of national and international standards and regulations are fulfilled.

Product Code

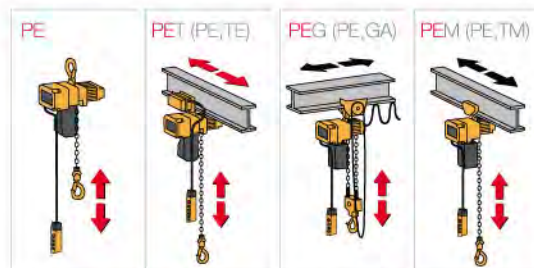
PE T 010 S - L

Traversing Speed

Code	speed
S	single, standard
L	single, low
SD	dual, standard by manual

Type

[PE] is the general model for suspension type hoist, hoist with trolley, Low headroom hoist, single phase hoist, stage hoist.



→ Driven by Electric → Driven by manual

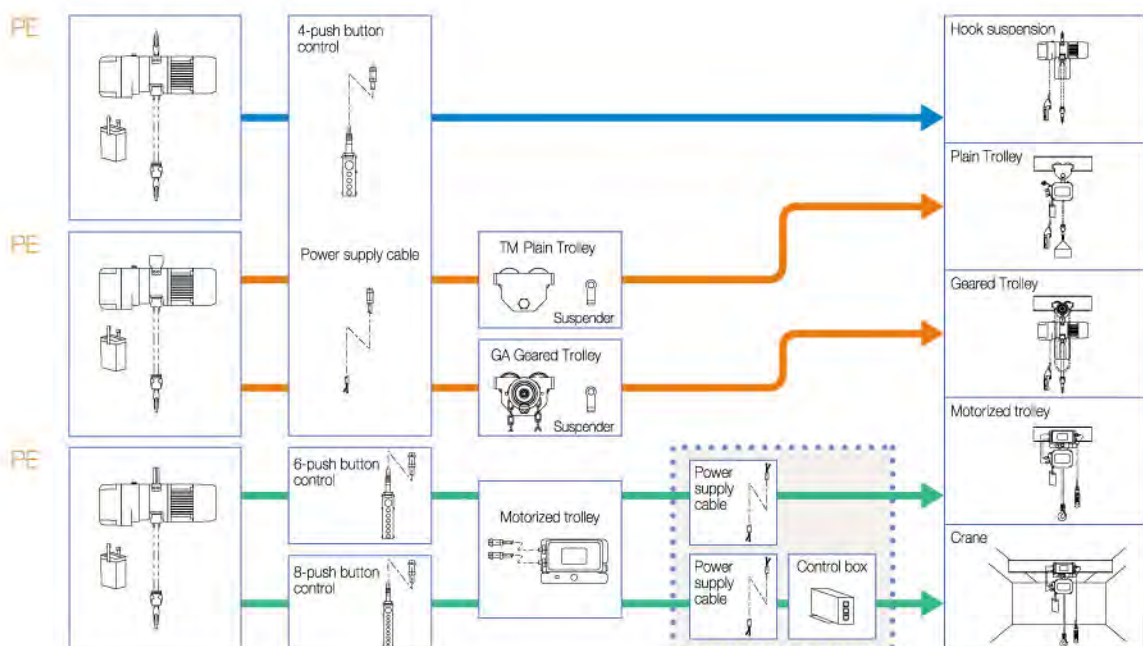
Capacity

Code	Rate Load
002	250 kgs
005	500 kgs
010	1t
020	2t
030	3t
050	5t
075	7.5
100	10t
150	15t
200	20t

Lifting Speed

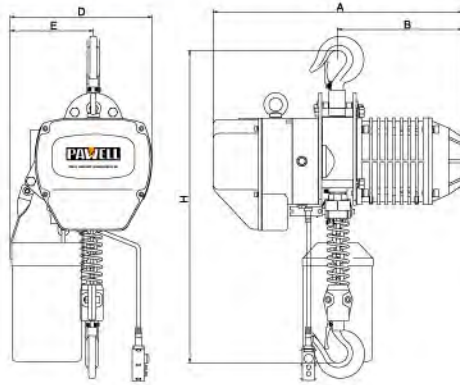
Code	Lifting speed
S	single, standard
L	single, low
SD	dual, standard
LD	dual, low

Product Configurations



ELECTRIC CHAIN HOIST Model; PE

Capacity: 0.5 to 5Ton, Single Speed



- Three meters of control cable as standard accompanies.
- Optional length of lift, push button cord and control cable besides standard is available on your request.
- Extending the load chain is prohibited with additional links.
- Steel chain containers are available as option if your lift is more than capacity of the standard container volume.



Technical Parameters

Capacity (t)	Model	Lifting speed (m/min)	Motor Power (Kw)	No. of chain	Chain size	Net weight (Kg)
500kg	PE005S	7.8	0.8	1	6.3×19	47
1	PE010S	6.6	1.5	1	7.1×21	61
	PE010L	3.3	0.8	2	6.3×19	52
2	PE020S	6.6	3.0	1	10×30	115
	PE020L	3.3	1.5	2	7.1×21	73
3	PE030S	5.4	3.0	1	11.2×34	115
	PE030L	4.4	3.0	2	10×30	122
	PE033L	2.2	1.5	3	7.1×21	131
5	PE050S	2.7	3.0	2	11.2×34	151

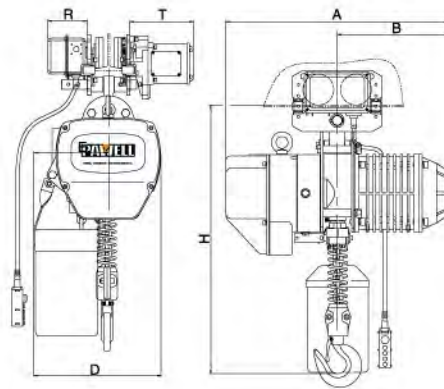


Size Specification (mm)

Model	H	A	B	D	E
PE005S	530	460	230	288	178
PE010S	650	520	260	300	176
PE010L	670	460	230	288	178
PE020S	800	615	295	430	265
PE020L	835	520	260	300	236
PE030S	845	615	295	430	265
PE030L	950	615	295	430	320
PE033L	950	520	260	350	205
PE050S	1030	615	295	430	325

ELECTRIC CHAIN HOIST Model: PET (PE+TE)

Capacity: 0.5 to 5Ton, Single Speed



- Three meters of control cable as standard accompanies.
- Optional length of lift, push button cord and control cable besides standard is available on your request.
- Extending the load chain is prohibited with additional links.
- Steel chain containers are available as option if your lift is more than capacity of the standard container volume.

Technical Parameters

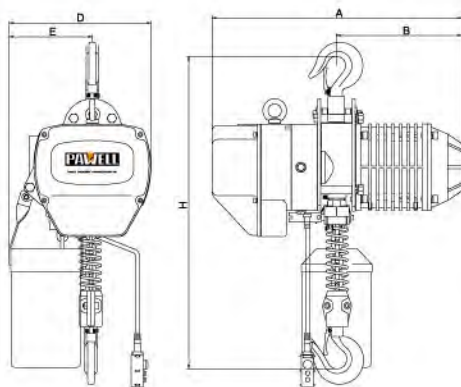
Capacity (t)	Model	PE				TE				
		Lifting speed (m/min)	Motor Power (Kw)	No. of chain	Chain size	Travel speed (m/min)	Motor Power (Kw)	Beamwidth (mm)	Min. Radius curve (m)	N.W of standard 3m lift
500kg	PET005S	7.8	0.8	1	6.3×19	11 or 21	0.4	68-130	0.8	88
1	PET010S	6.6	1.5	1	7.1×21	11 or 21	0.4	68-130	0.8	103
	PET010L	3.3	0.8	2	6.3×19					93
2	PET020S	6.6	3.0	1	10×30	11 or 21	0.4	82-153	0.9	164
	PET020L	3.3	1.5	2	7.1×21					122
3	PET030S	5.4	3.0	1	11.2×34	11 or 21	0.75	82-153	1	176
	PET030L	4.4	3.0	2	10×30					183
	PET033L	2.2	1.5	3	7.1×21					192
5	PET050S	2.7	3.0	2	11.2×34	11 or 21	0.75	100-178	1.8	234

Size Specification (mm)

Model	H	A	B	D	E
PET005S	635	460	230	288	178
PET010S	650	520	260	300	176
PET010L	695	460	230	288	205
PET020S	770	615	295	430	265
PET020L	815	520	260	300	236
PET030S	830	615	295	430	265
PET030L	930	615	295	430	320
PET033L	940	520	260	350	205
PET050S	1015	615	295	430	325

ELECTRIC CHAIN HOIST Model; PE

Capacity: 0.5 to 5Ton, Dual Speed



- Three meters of control cable as standard accompanies.
- Optional length of lift, push button cord and control cable besides standard is available on your request.
- Extending the load chain is prohibited with additional links.
- Steel chain containers are available as option if your lift is more than capacity of the standard container volume.



Technical Parameters

Capacity (t)	Model	Lifting speed (m/min)	Motor Power (Kw)	No. of chain	Chain size	Net weight (Kg)
500kg	PE005SD	7.8/2.4	0.8/0.27	1	6.3×19	54
	PE010SD	6.9/2.3	1.8/0.6	1	7.1×21	74
	PE010LD	3.3/1.1	0.8/0.27	2	6.3×19	61
2	PE020SD	6.9/2.3	3.0/1.0	1	10×30	150
	PE020LD	3.3/1.1	1.8/0.6	2	7.1×21	86
3	PE030SD	5.4/1.8	3.0/1.0	1	11.2×34	159
	PE030LD	4.5/1.5	3.0/1.0	2	10×30	168
	PE033LD	2.4/0.8	1.8/0.6	3	7.1×21	102
5	PE050SD	2.7/0.9	3.0/1.0	2	11.2×34	184



Size Specification (mm)

Model	H	A	B	D	E
PE005SD	530	545	260	288	178
PE010SD	650	582	280	300	176
PE010LD	670	545	260	288	205
PE020SD	800	670	313	430	265
PE020LD	835	582	280	300	236
PE030SD	845	670	313	430	265
PE030LD	950	670	313	430	320
PE033LD	950	582	280	350	205
PE050SD	1030	670	313	430	325



Pawell Machinery Manufacturing Inc.

PAWELL Machinery Manufacturing Inc. is located in Florida, USA. We are one of the most professional company in the design and manufacture of products which lift, position and secure material ergonomically, safely and efficiently. We are an independent company, wholly owned and operated by the people who run the business day to day. This ensures decisions and actions are made swiftly and customer service is our top priority. We believe the only way to guarantee customer satisfaction is to ensure process consistency.

PAWELL is a trademark registered in United States of America by Pawell Machinery Manufacturing Inc. PAWELL products are widely used in Workshop Facility, Construction, Engineering, Logistics, Marine, Offshore and Energy Industries.

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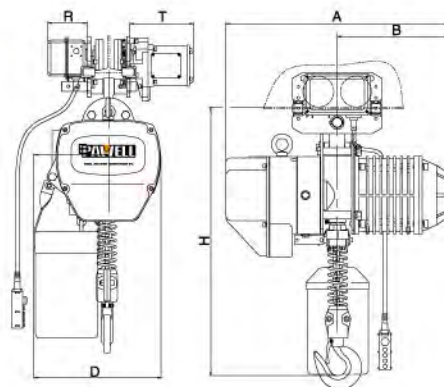


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ELECTRIC CHAIN HOIST Model: PET (PE+TE)

Capacity: 0.5 to 5Ton, Dual Speed



- Three meters of control cable as standard accompanies.
- Optional length of lift, push button cord and control cable besides standard is available on your request.
- Extending the load chain is prohibited with additional links.
- Steel chain containers are available as option if your lift is more than capacity of the standard container volume.

Technical Parameters

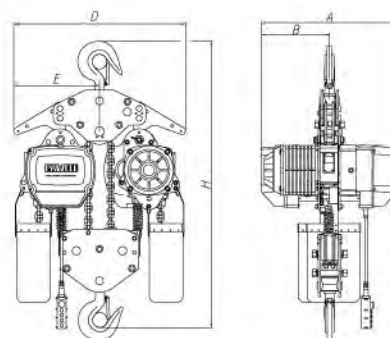
Capacity (t)	Model	PE				TE				
		Lifting speed (m/min)	Motor Power (Kw)	No. of chain	Chain size	Travel speed (m/min)	Motor Power (Kw)	Bearwidth (mm)	Min. Radius curve (m)	N.W of standard 3m lift
500kg	PET005SD	7.8/2.4	0.8/0.27	1	6.3x19	11or21	0.4	68-130	0.8	100
	PET010SD	6.9/2.3	1.8/0.6	1	7.1x21	11or21	0.4	68-130	0.8	120
	PET010LD	3.3/1.1	0.8/0.27	2	6.3*19					108
2	PET020SD	6.9/2.3	3.0/1.0	1	10x30	11or21	0.41	82-153	0.9	203
	PET020LD	3.3/1.1	1.8/0.6	2	7.1x21					139
3	PET030SD	5.4/1.8	3.0/1.0	1	11.2x34	11or21	0.75	82-153	1	236
	PET030LD	4.5/1.5	3.0/1.0	2	10x30					246
	PET033LD	2.4/0.8	1.8/0.6	3	7.1x21					179
5	PET050SD	2.7/0.9	3.0/1.0	2	11.2x34	11or21	0.75	100-178	1.5	282

Size Specification (mm)

Model	H	A	B	D	E
PET005SD	650	545	260	288	178
PET010SD	650	582	280	300	176
PET010LD	695	545	260	288	205
PET020SD	770	670	313	430	265
PET020LD	815	582	280	300	236
PET030SD	830	670	313	430	265
PET030LD	930	670	313	430	320
PET033LD	940	582	280	350	205
PET050SD	1015	670	313	430	325

ELECTRIC CHAIN HOIST Model: PE

Large Capacity: 7.5 to 10Ton



Three meters of control cable as standard accompanies.

Optional length of lift, push button cord and control cable besides standard is available on your request.

Extending the load chain is prohibited with additional links.

Steel chain containers are available as option if your lift is more than capacity of the standard container volume.

Technical Parameters

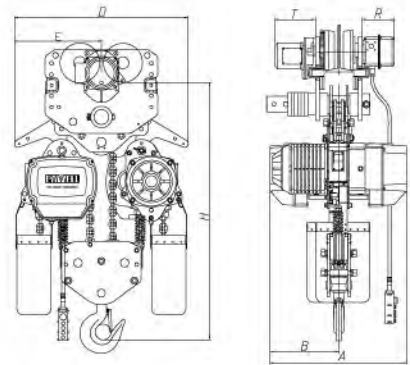
Capacity (t)	Model	Lifting speed (m/min)	Motor Power (Kw)	No. of chain	Chain size	Net weight (Kg)
7.5	PE075S	1.8	3.0	3	11.2×34	176
	PE075SD	1.8/0.6	3.0/1.0	3	11.2×34	215
10	PE100S	2.7	3.0×2	4	11.2×34	300
	PE100SD	2.7/0.9	3.0×2/1.0×2	4	11.2×34	380

Size Specification (mm)

Model	H	A	B	D	E
PE075S	1200	615	295	505	320
PE075SD	1200	670	313	505	320
PE100S	1400	630	315	890	445
PE100SD	1400	670	388	890	445

ELECTRIC CHAIN HOIST Model: PET (PE+TE)

Large Capacity: 7.5 to 10Ton



- Three meters of control cable as standard accompanies.
- Optional length of lift, push button cord and control cable besides standard is available on your request.
- Extending the load chain is prohibited with additional links.
- Steel chain containers are available as option if your lift is more than capacity of the standard container volume

Technical Parameters

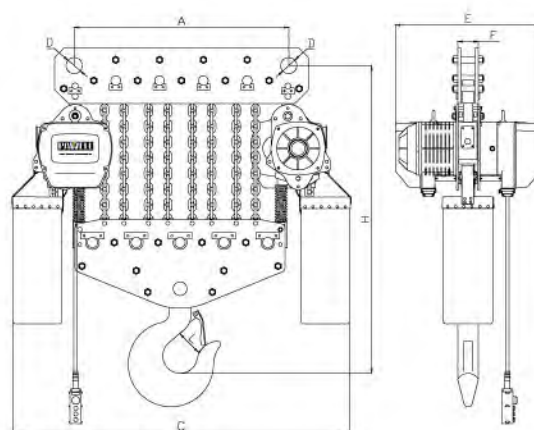
Capacity (t)	Model	PE				TE				
		Lifting speed (m/min)	Motor Power (Kw)	No. of chain	Chain size	Travel speed (m/min)	Motor Power (Kw)	Beamwidth (mm)	Min. Radius curve (m)	N.W of 3m lift
7.5	PET075S	1.8	3.0	3	11.2x34	11 or 21	0.75	150-220	1.8	280
	PET075SD	1.8/0.6	3.0/1.0	3	11.2x34			150-220	1.8	319
10	PET100S	2.7	3.0x2	4	11.2x34	11 or 21	0.75	150-220	2.5	440
	PET100SD	2.7/0.9	3.0x2/1.0x2	4	11.2x34			150-220	2.5	520

Size Specification (mm)

Model	H	A	B	D	E
PET075S	1200	615	295	505	320
PET075SD	1200	670	313	505	320
PET100S	1190	630	315	890	445
PET100SD	1190	670	388	890	445

ELECTRIC CHAIN HOIST Model; PE

Large Capacity: 15 - 25 Ton



- Three meters of control cable as standard accompanies.
- Optional length of lift, push button cord and control cable besides standard is available on your request.
- Extending the load chain is prohibited with additional links.
- Steel chain containers as standard.
- Dual speed type hoist are available, please contact with us if request.
- These hoist are recomand to coupled used with a double girder trolley. Please contact with us for details.



Technical Parameters

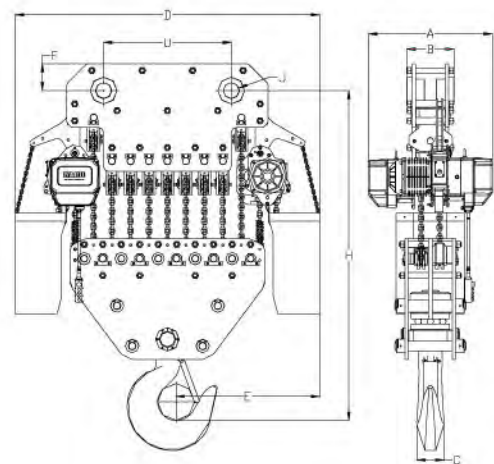
Capacity (t)	Model	Lifting speed (m/min)	Motor Power (Kw)	No. of chain	Chain size	Net weight (Kg)
15	PE150S	1.8	3.0×2	6	11.2×34	382
20	PE200S	1.4	3.0×2	8	11.2×34	482
25	PE250S	1.1	3.0×2	10	11.2×34	503



Size Specification (mm)

Model	H	A	B	D	E	F	L
PE150S	1260	560	1070	54	630	88	95
PE200S	1320	740	1260	70	630	88	115
PE250S	1340	930	1460	70	630	88	115

ELECTRIC CHAIN HOIST Model: PE
Large Capacity: 30 - 50 Ton



- Three meters of control cable as standard accompanies.
- Optional length of lift, push button cord and control cable besides standard is available on your request.
- Extending the load chain is prohibited with additional links.
- Steel chain containers as standard.
- Dual speed type hoist are available, please contact with us if request.
- These hoist are recomand to coupled used with a double girder trolley. Please contact with us for details.



Technical Parameters

Capacity (t)	Model	Lifting speed (m/min)	Motor Power (Kw)	No. of chain	Chain size
30	PE300S	0.9	3.0×2	12	11.2×34
35	PE350S	0.75	3.0×2	16	11.2×34
50	PE500S	0.55	3.0×2	20	11.2×34



Size Specification (mm)

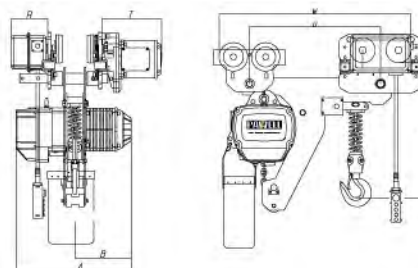
Model	A	B	C	D	E	F	H	J	U
PE300S	740	88	95	1260	630	115	1350	70	1020
PE350S	740	280	160	1610	755	100	1745	80	660
PE500S	740	280	160	1815	855	1610	1965	95	760

LOW HEADROOM ELECTRIC CHAIN HOIST Model: LH-PE

Capacity: 0.5 to 10Ton, Single Speed



Ultra Low Headroom electric chain Headroom Comparison hoist is uniquely designed to have a shorter headroom than that of standard configurations. This product is the most suitable for installation which requires a low ceiling of buildings or maximizes effective lift.



Technical Parameters

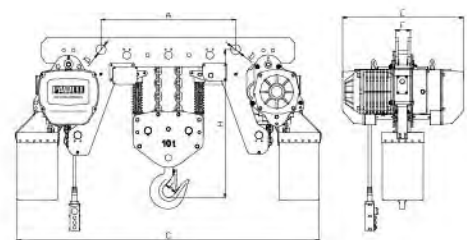
Capacity (t)	Model	PE				TE		
		Lifting speed (m/min)	Motor Power (Kw)	No. of chain	Chain size	Travel speed (m/min)	Motor Power (Kw)	Beamwidth (mm)
0.5	LH-PE005S	7.8	0.8	1	6.3x19	11 or 21	0.4	68-130
1	LH-PE010S	6.6	1.5	1	7.1x21	11 or 21	0.4	68-130
2	LH-PE020S	6.6	3.0	1	10x30	11 or 21	0.4	82-153
	LH-PE020L	3.3	1.5	2	7.1x21			
3	LH-PE030S	5.4	3.0	1	11.2x34	11 or 21	0.75	82-153
	LH-PE030L	4.4	3.0	2	10x30			
5	LH-PE050S	2.7	3.0	2	11.2x34	11 or 21	0.75	100-178
7.5	LH-PE075S	1.8	3.0	3	11.2x34	11 or 21	0.75	150-220
10	LH-PE100S	2.7	3.0x2	4	11.2x34	11 or 21	0.75	150-220

Size Specification (mm)

Model	H	A	B	W	U
LH-PE005S	440	460	230	585	445
LH-PE010S	480	520	260	630	505
LH-PE020S	570	615	295	720	505
LH-PE020L	535	520	260	665	445
LH-PE030S	640	615	295	775	526
LH-PE030L	685	615	295	750	503
LH-PE050S	740	615	295	825	541
LH-PE075S	890	615	295	1020	730
LH-PE100S	850	615	295	996	700

LOW HEADROOM ELECTRIC CHAIN HOIST Model: LH-PE

Capacity: 0.5 to 10Ton, Dual Speed



Technical Parameters

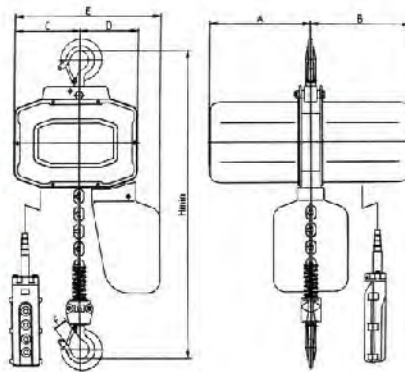
Capacity (t)	Model	PE				TE		
		Lifting speed (m/min)	Motor Power (Kw)	No. of chain	Chain size	Travel speed (m/min)	Motor Power (Kw)	Bearwidth (mm)
0.5	LH-PE005SD	7.2/2.4	0.8/0.27	1	6.3x19	11 or 21	0.4	68-130
1	LH-PE010SD	6.9/2.3	1.8/0.6	1	7.1x21	11 or 21	0.4	68-130
2	LH-PE020SD	6.6/3.3	3.0/1.0	1	10x30	11 or 21	0.4	82-153
	LH-PE020LD	3.3/1.1	1.8/0.6	2	7.1x21			
3	LH-PE030SD	5.4/1.8	3.0/1.0	1	11.2x34	11 or 21	0.75	82-153
	LH-PE030LD	4.5/1.5	3.0/1.0	2	10x30			
5	LH-PE050SD	2.7/0.9	3.0/1.0	2	11.2x34	11 or 21	0.75	100-178
7.5	LH-PE075SD	1.9/0.6	3.0/1.0	3	11.2x34	11 or 21	0.75	150-220
10	LH-PE100SD	2.7/0.9	3.0x2/1.0x2	4	11.2x34	11 or 21	0.75	150-220

Size Specification (mm)

Model	H	A	B	W	U
LH-PE005SD	440	545	260	585	400
LH-PE010SD	480	582	280	630	445
LH-PE020SD	570	670	313	720	505
LH-PE020LD	535	582	280	665	445
LH-PE030SD	640	670	313	775	526
LH-PE030LD	685	670	313	750	503
LH-PE050SD	740	670	313	825	541
LH-PE075SD	890	670	313	1020	730
LH-PE100SD	850	670	313	9896	700

SINGLE PHASE ELECTRIC CHAIN HOIST Model: SP-PE

Capacity: 0.25 to 3Ton



Features

- 125% SWL dynamic load test
- Working voltage:220V 50/60HZ 1 PH
- Working duty:M3
- unique overloading safety protection
- electrical machine hot protection
- fast lifting speed, light selfweight
- Convenient operation and beautiful appearance



Technical Parameters

Capacity (t)	Model	Lifting speed (m/min)	Motor Power (Kw)	No. of chain	Chain size	Net weight (kg)
0.25	SP-PE002S	8	0.45	1	5×15	22
0.5	SP-PE005L	4	0.45	2	5×15	25
0.5	SP-PE005S	7	0.8	1	7.1×21	55
1	SP-PE010S	6	1.2	1	7.1×21	60
2	SP-PE020S	3	1.2	2	7.1×21	65
3	SP-PE030S	2	1.2	3	7.1×21	70

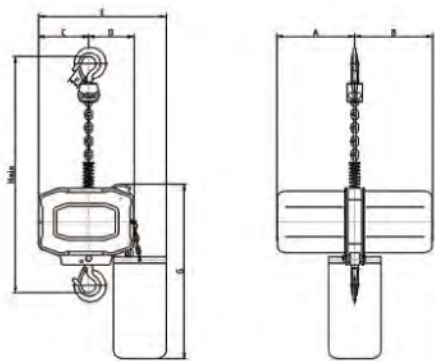


Size Specification (mm)

Model	H	A	B	C	D	E	F
SP-PE002S	430	210	210	116	104	262	24
SP-PE005L	450	210	210	92	128	262	24
SP-PE005S	500	245	245	158	142	350	34
SP-PE010S	520	245	245	158	142	350	34
SP-PE020S	630	245	245	124	176	350	40
SP-PE030S	710	245	245	124	176	350	45

STAGE CHAIN HOIST Model: ST-PE

Capacity: 1 Ton



Features

- These full featured, three phase electric hoists provide reliable performance for use in concert halls, convention arenas, stadiums and studios.
- Unique overloading safety protection
- Electrical machine hot protection
- Fast lifting speed, light selfweight
- Convenient operation and beautiful appearance
- It also can be used as usual hoist
- Single speed and dual speed model are available



Technical Parameters

Capacity (t)	Model	Standard lift (m)	Lifting speed (m/min)	Motor Power (Kw)	No. of chain	Chain size	Net weight (Kg)
1	ST-PE010S	10	7	1.2	1	7×21	67
	ST-PE010SD		6/2	1.2/0.4		7×21	72

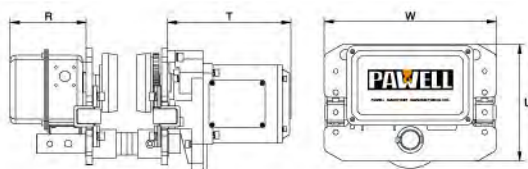


Size Specification (mm)

Model	A	B	C	D	E	F	G
ST-PE010S	245	245	158	142	402	33	550
ST-PE010SD	246	246	158	142	402	33	550

ELECTRIC TROLLEY Model: TE

Capacity: 0.5-10 Ton



Specially recommended for loads over 500 kg, for transporting over long distances and/or when used frequently. Suitable for almost all hoists with coupling rings.



Features

- Compact, robust frame with low overall height.
- Motors protected to IP 54 against dust and spray water.
- Wheels manufactured from fracture-proof steel.
- Smooth running due to machined surfaces and ball bearing mounting. Cambered profile suitable for parallel and inclined beam profiles.
- Anti-tilt and anti-drop devices as standard.
- Easy adjusted to fit to a wide range of beam widths and profiles due to threaded spindles.
- Dual speed mode, and double axle type trolley are available, contact with us for details if request.

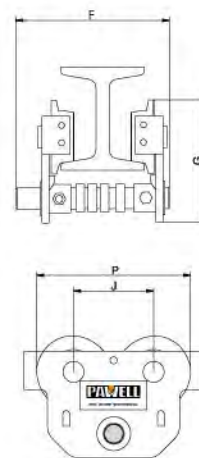


Technical · Size Specification

Capacity (t)	Model	Travel speed (m/min)	Motor Power (Kw)	Beam flange width (mm)	Size dimension (mm)				Min. Radius curve (m)	Net weight kg
					W	U	R	T		
0.5	TE005	11 Or 21	0.4	68-130	315	212	142	231	0.8	41
1	TE010	11 Or 21	0.4	68-130	315	212	142	231	0.8	42
2	TE020	11 Or 21	0.4	82-153	325	220	142	231	0.9	49
3	TE030	11 Or 21	0.75	82-153	340	250	142	231	1.0	61
5	TE050	11 Or 21	0.75	100-178	430	306	142	231	1.5	83
7.5	TE075	11 Or 21	0.75	150-220	430	306	142	231	1.8	89
10	TE100	11 Or 21	0.75	150-220	500	371	142	231	2.5	140

MANUAL TROLLEY Model: TM

Capacity: 0.5-5 Ton



Specially recommended for loads between 500 to 5000 kg. Suitable for almost all hoists with suspension hook or coupling rings. The trolley enables the exact positioning or easy traversing of large loads with electric hoist.

Features

- It has excellent rolling features due to machined steel wheels mounted on prelubricated, encapsulated ball bearings.
- Adjustable to fit a wide range of beam widths and profiles (e.g. INP, IPE and IPB)
- The trolley wheels are designed for a max. beam profile incline of 14 % (DIN 1025 - part 1), excellent rolling features are guaranteed by prelubricated, encapsulated ball bearings.
- Anti-tilt and anti-drop devices as standard.

Technical · Size Specification

Capacity (t)	Model	F	G	P	Beam flange width (mm)	Min. Radius curve	Net weight (Kg)
0.5	TM005	200	130	91	52-102	0.6	8
1	TM010	200	170	115	52-102	0.6	6
2	TM020	218	205	138	68-130	1.0	10
3	TM030	275	236	157	82-153	1.0	15.5
5	TM050	275	280	178	82-153	1.2	29.5

PAWELL



ELECTRIC WIRE ROPE HOIST

Low Headroom Wire Rope Hoist

Under-slung Wire Rope Hoist

Fixed Type Wire Rope Hoist

Double Girder Wire Rope Hoist

PW Wire Rope Hoist

New Technology, New Product, New Horizons

Hoist Motor

Hoisting three in one from ABM Germany originally



Overload Limiter

High sensitivity, Can be set by customers' request



Limit Switch

Worm adjusting, four-level limiting stopper



Rope Guide

High-strength Nylon adopted. Less wearing. Prolong wire rope service life.



Wire Rope

2160N/mm², Zinc surfacing-plating.



Electricals

Electricals from Schneider-electric Germany originally



Quick Electric Connector

It achieve quick, correct, safety, and reliable assembly in the site

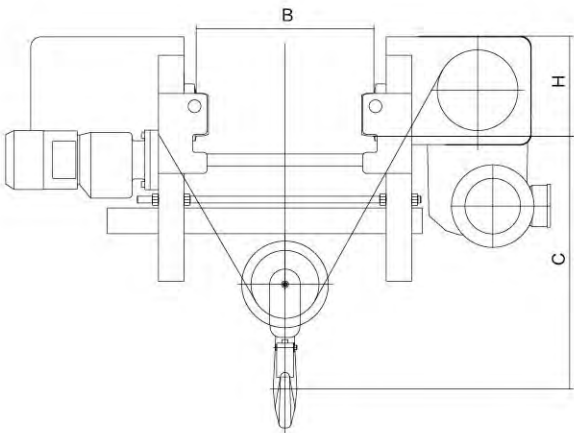


Pendant Control

GG brand from Italy. Protect grade IP65



PW Low Headroom Wire Rope Hoist
Capacity: 2t~12.5t



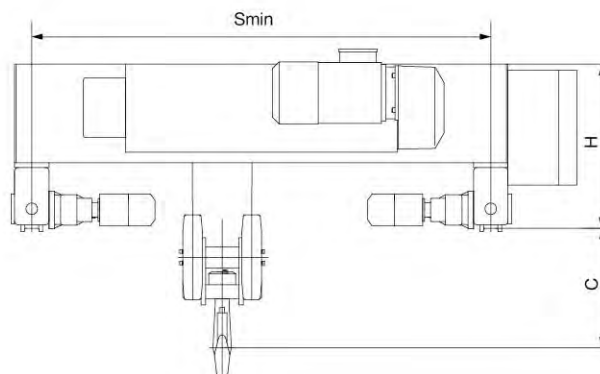
- High efficiency and make more of space.
- Accurate orientation, Highly-efficient operation, Improved logistics efficiency.
- Safe and reliable, montioed operation, easy maintance.
- Modularized design, Lower maintance cost, Perfect spare parts and components services.

Technical Parameters

Capacity (t)	Lifting height (m)	Model	Lifting speed (m/min)	Hoist Motor (Kw)	Travel speed (m/min)	Trolley Motor (Kw)	Hoist Duty		Trolley Duty		H (mm)	C (mm)	Adapted beam width mm
							FEM	ISO	FEM	ISO			
2000	6,9,12,15,18	PWL02	5/0.8	3.2/0.45	20/5	0.37	3M	M6	2M	M5	210	556	150~300
3200	6,9,12,15,18	PWL03	5/0.8	3.2/0.45	20/5	0.37	3M	M5	2M	M5	210	556	150~300
5000	6,9,12,15,18	PWL05	5/0.8	6.1/1	20/5	0.37	2M	M5	2M	M5	260	596	200~350
6300	6,9,12,15,18	PWL06	5/0.8	6.1/1	20/5	0.37	1Am	M4	2M	M5	260	596	200~350
8000	6,9,12,15,18	PWL08	5/0.8	9.5/1.5	20/5	0.75	3M	M6	2M	M5	325	750	200~410
10000	6,9,12,15,18	PWL10	5/0.8	9.5/1.5	20/5	0.75	2M	M5	2M	M5	325	750	200~410
12500	6,9,12,15,18	PWL12	4/0.6	12.5/2	20/5	0.75	1Am	M4	2M	M5	325	750	200~410
16000	6,9,12,15,18	PWL16	4/0.6	16/2.6	20/5	0.75×2	2M	M5	2M	M5	400	920	300~450
20000	6,9,12,15,18	PWL20	4/0.6	16/2.6	20/5	0.75×2	1Am	M4	2M	M5	400	920	350~450
8000	20,24,28,32,36	PWL08H	8/1.3	12.5/2	20/5	0.75	2M	M5	2M	M5	325	750	200~410
10000	20,24,28,32,36	PWL10H	8/1.3	16/2.6	20/5	0.75	2M	M5	2M	M5	325	750	200~410
12500	20,24,28,32,36	PWL12H	6.3/1	16/2.6	20/5	0.75×2	1Am	M4	2M	M5	325	750	200~410

PW Double Girder Wire Rope Hoist

Capacity: 3.2t~50t



High efficiency and make more of space.

Accurate orientation, Highly-efficient operation, Improved logistics efficiency.

Safe and reliable, monitored operation, easy maintenance.

Modularized design, Lower maintenance cost, Perfect spare parts and components services.

Technical Parameters

Capacity (t)	Lifting height (m)	Model	Lifting speed (m/min)	Hoist Motor (Kw)	Travel speed (m/min)	Trolley Motor (Kw)	Duty FEM/ISO		H (mm)	C (mm)	Rails C2C distance mm
							Hoist	Trolley			
3200	6,9,12,15,18	PWD03	5/0.8	3.2/0.45	20/5	0.25x2	2MM5	2MM5	500	420	1200
5000	6,9,12,15,18	PWD05	5/0.8	6.1/1	20/5	0.37x2	2MM5	2MM5	520	425	1400
6300	6,9,12,15,18	PWD06	5/0.8	6.1/1	20/5	0.37x2	2MM5	2MM5	500	425	1400
8000	6,9,12,15,18	PWD08	5/0.8	9.5/1.5	20/5	0.37x2	2MM5	2MM5	550	580	1400
10000	6,9,12,15,18	PWD10	5/0.8	9.5/1.5	20/5	0.37x2	2MM5	2MM5	550	580	1400
12500	6,9,12,15,18	PWD12	5/0.8	12.5/1.5	20/5	0.55x2	1AMM4	2MM5	550	580	1400
16000	6,9,12,15,18	PWD16	4/0.6	16/2.6	20/5	0.55x2	2MM5	2MM5	720	520	1400
20000	6,9,12,15,18	PWD20	4/0.6	16/2.6	20/5	0.55x2	1AMM4	2MM5	720	520	1400
25000	6,9,12,15,18	PWD25	3.3/0.8	20/5	20/5	0.75x2	3MM6	2MM5	950	450	1700
32000	6,9,12,15,18	PWD32	3.3/0.8	20/5	20/5	1.1x2	2MM5	2MM5	950	450	1700
40000	6,9,12,15,18	PWD40	0~4	38	20/5	1.5x2	1AMM4	2MM5	950	960	1700
50000	6,9,12,15,18	PWD50	0~3	38	20/5	1.5x2	2MM5	2MM5	950	960	1700

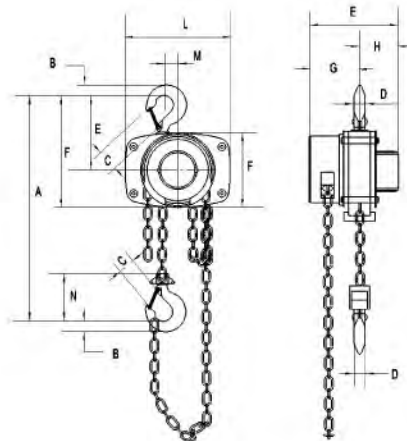
PAWELL

CHAIN BLOCKS LEVER HOISTS



MANUAL CHAIN HOIST Model: YH360

Capacity 1000 - 3000kg



Areas of operation as well as operator conditions have been improved in trail-blazing fashion, which goes far beyond the classical hand chain hoist.



Features

- The revolutionary 360° rotating hand chain guide allows the operator to work from virtually any position, in confined spaces or above the load. YH360 can even be operated from the side of the load which also makes it possible to use the hoist for horizontal pulling or tensioning. Due to the additional flexibility, the operator is no longer forced to work in the danger zone near the load.
 - The enclosed robust stamped steel housing protects all internal components even in the toughest conditions.
 - Chain guide and gearbox are almost totally enclosed. Even under the toughest conditions the internal gearbox remains protected.
 - The hardened load sheave with four precision machined pockets ensures accurate movement of the load chain.
 - Drop forged load and suspension hooks that yield under overload instead of breaking, are made of high tensile steel.
- The hooks are fitted with robust safety latches and rotate 360°.



Technical Parameters

Item Code	Capacity (kg)	Model	No. of chain	Chain size (mm)	Pull on hand chain at WLL N	Net weight at standard 3m lift(kg)
201010	1000	YH010	1	6x18	240	13.9
201020	2000	YH020	1	8x24	329	21.6
201030	3000	YH030	1	10x30	410	30.6

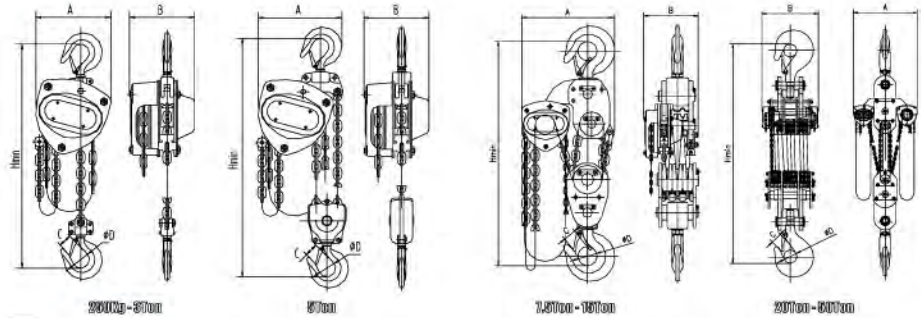


Size Specification (mm)

Item Code	Model	Hmin	B	C	D	E	F
201010	YH010	355.6	22.2	28.6	14.3	176	155.6
201020	YH020	395	30	35	20.6	203	182.5
201030	YH030	520	38	39.7	25.4	224	220

MANUAL CHAIN HOIST Model: MH

Capacity: 500 - 30000 kg



Features

The MH model hand chain hoist results from the application of high technology with emphasis on overall performance required in a quality chain hoist.

Lighter weight, higher efficiency and more compact size, these hoists are valuable in lifting application.

The enclosed robust stamped steel housing protects all internal components even in the toughest conditions.

Chain guide and gearbox are almost totally enclosed. Even under the toughest conditions the internal gearbox remains protected.

The hardened load sheave with four precision machined pockets ensures accurate movement of the load chain.

Drop forged load and suspension hooks that yield under overload instead of breaking, are made of high tensile steel.

The hooks are fitted with robust safety latches and rotate 360°.



Technical Parameters

Item Code	Capacity	Model	No. of chain	Chain size (mm)	Pull on hand chain at WLL (N)	Net weight at standard 3m lift (kg)
202005	500	MH005	1	5x15	240	9.3
202010	1000	MH010	1	6x18	250	12.2
202015	1500	MH015	1	7x21	265	16.5
202020	2000	MH020	1	8x24	335	19.5
202030	3000	MH030	1	10x30	372	32
202050	5000	MH050	2	10x30	380	43
202075	7500	MH075	3	10x30	380	71.6
202100	10000	MH100	4	10x30	380	80.7
202150	15000	MH150	6	10x30	385	140
202200	20000	MH200	8	10x30	400x2	180
202300	30000	MH300	12	10x30	420x3	350

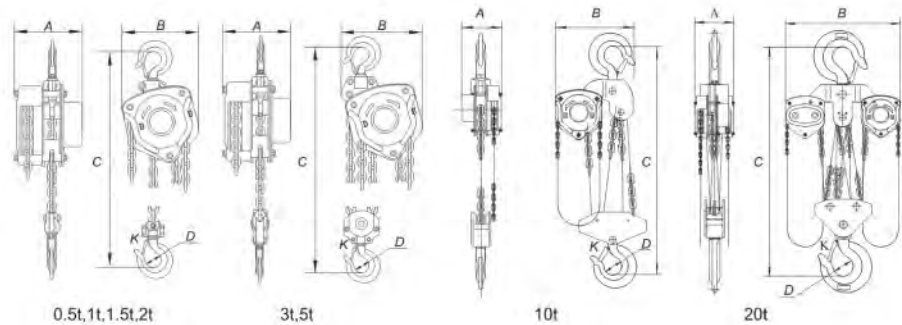


Size Specification (mm)

Item Code	Model	Hmin	A	B	C	D
202005	MH005	345	148	132	23	35
202010	MH010	376	172	151	26	40
202015	MH015	442	196	173	29.5	45
202020	MH020	470	210	175	34	50
202030	MH030	580	255	205	37.5	55
202050	MH050	690	280	189	41	65
202075	MH075	800	433	189	50	85
202100	MH100	830	463	189	50	85
202150	MH150	980	540	220	60	110
202200	MH200	1000	630	200	60	110
202300	MH300	1400	705	510	80	110

MANUAL CHAIN HOIST Model: MC

Capacity: 500 - 20000 kg



Features

- The MC model hand chain hoist results from the application of high technology with emphasis on overall performance required in a quality chain hoist.
- Lighter weight, higher efficiency and more compact size, these hoists are valuable in lifting application.
- The enclosed robust stamped steel housing protects all internal components even in the toughest conditions.
- Chain guide and gearbox are almost totally enclosed. Even under the toughest conditions the internal gearbox remains protected.
- The hardened load sheave with four precision machined pockets ensures accurate movement of the load chain.
- Drop forged load and suspension hooks that yield under overload instead of breaking, are made of high tensile steel.
- The hooks are fitted with robust safety latches and rotate 360°.

Technical Parameters

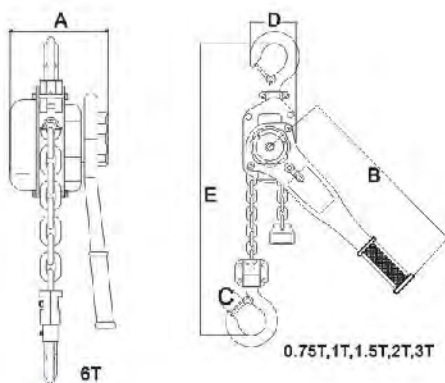
Item Code	Capacity	Model	No. of chain	Chain size (mm)	Pull on hand chain at WLL (N)	Net weight at standard 3m lift (kg)
203005	500	MC005	1	5x15	231	7
203010	1000	MC010	1	6x18	309	10.5
203015	1500	MC015	1	7.1x21	320	17
203020	2000	MC020	1	8x24	320	18
203030	3000	MC030	2	7.1x21	360	22
203050	5000	MC050	2	9x27	414	40
203100	10000	MC100	4	10x30	420	70
203200	20000	MC200	8	10x30	420x2	162

Size Specification (mm)

Item Code	Model	Hmin	A	B	C	D
203005	MC005	115	136	270	35	25
203010	MC010	143	156	317	36	27
203015	MC015	148	182	399	44	34
203020	MC020	152	198	414	46	36
203030	MC030	148	182	465	48	38
203050	MC050	181	266	636	62	48
203100	MC100	181	365	798	85	57
203200	MC200	192	630	890	106	84

RATCHET LEVER HOIST Model: LY

Capacity: 500 - 6000 kg



The standard free chaining device serves to quickly attach the load or to pull the chain through the hoist in both directions.

A hand lever hoist with a robust stamped steel construction and compact design.

The low tare weight and a smooth free chaining device make the LY a handy, universal tool.

Features

- Forged suspension and load hooks, manufactured from non-aging, high alloy tempering steel, yield under overload instead of breaking.
- The chain guide is integrated into the housing to eliminate fouling and jamming of the chain on the load sheave.
- Robust chain stop.
- The standard free chaining device serves to quickly attach the load.
- Ergonomic handlever with rubber grip.
- Hard chromium plated hand wheel.
- Automatic screw-and-disc type load brake with corrosion protected components.
- Sturdy bottom block with encapsulated bolt connections.
- Due to optimized gearing a minimum effort is required to operate the short hand lever.

Technical Parameters

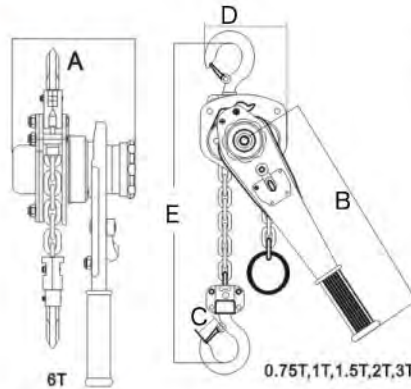
Item Code	Capacity (kg)	Model	No. of chain	Test Load (Ton)	Chain size (mm)	Pull on hand chain at WLL N	Net weight at standard 3m lift(kg)
204050	500	LY050	1	750.00	5x15	98	5.9
204075	750	LY075	1	1125.00	6x18	137	6.6
204100	1000	LY100	1	1500.00	6x18	157	6.6
204150	1500	LY150	1	2250.00	8x24	216	10.8
204200	2000	LY200	1	3000.00	8x24	255	11.1
204300	3000	LY300	1	4500.00	10x30	314	18.2
204600	6000	LY600	2	9000.00	10x30	333	28.1

Size Specification (mm)

Item Code	Model	Hmin(E)	A	B	C	D
204050	LY050	325	148	280	45	98
204075	LY075	325	148	280	45	98
204100	LY100	325	148	280	48	98
204150	LY150	380	172	410	52	110
204200	LY200	380	172	410	60	110
204300	LY300	480	195	410	66	145
204600	LY600	480	195	410	80	145

RATCHET LEVER HOIST Model: LV

Capacity: 500 - 6000 kg



The LV model hand lever hoist results from the application of high technology with emphasis on overall performance required in a quality chain hoist.

Features

- Lighter weight, higher efficiency and more compact size, these hoists are valuable in lifting application.
- The enclosed robust stamped-steel housing protects all internal components even in the toughest conditions.
- Chain guide and gearbox are almost totally enclosed. Even under the toughest conditions the internal gearbox remains protected.
- The hardened load sheave with four precision machined pockets ensures accurate movement of the load chain.
- Drop forged load and suspension hooks that yield under overload instead of breaking, are made of high tensile steel.
- The hooks are fitted with robust safety latches and rotate 360°.

Technical Parameters

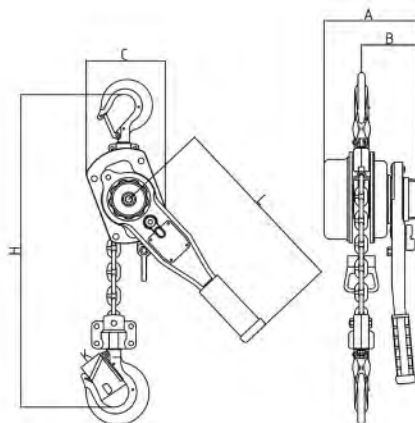
Item Code	Capacity (kg)	Model	No. of chain	Test Load (Ton)	Chain size (mm)	Pull on hand chain at WLL N	Net weight at standard 3m lift(kg)
205050	500	LV050	1	750.00	5×15	108	6.1
205075	750	LV075	1	1125.00	6.3×19	147	6.9
205100	1000	LV100	1	1500.00	6.3×19	196	7
205150	1500	LV150	1	2250.00	7.1×21	176	9.6
205200	2000	LV200	1	3000.00	8×24	235	10.1
205300	3000	LV300	1	4500.00	9×27	372	15.9
205600	6000	LV600	2	9000.00	9×27	382	25.7

Size Specification (mm)

Item Code	Model	Hmin	A	B	C	D
205050	LV050	295	148	256	45	128
205075	LV075	295	148	256	45	128
205100	LV100	310	152	256	48	128
205150	LV150	335	161	368	52	148
205200	LV200	350	168	368	60	148
205300	LV300	405	191	368	66	180
205600	LV600	550	191	368	80	180

RATCHET LEVER HOIST Model: LK

Capacity: 800 - 9000 kg



The standard free chaining device serves to quickly attach the load or to pull the chain through the hoist in both directions.

A hand lever hoist with a robust stamped steel construction and compact design.

The low tare weight and a smooth free chaining device make the LK a handy, universal tool.



Features

- Forged suspension and load hooks, manufactured from non-aging, high alloy tempering steel, yield under overload instead of breaking.
- The chain guide is integrated into the housing to eliminate fouling and jamming of the chain on the load sheave.
- Robust chain stop.
- The standard free chaining device serves to quickly attach the load.
- Ergonomic handlever with rubber grip.
- Hard chromium plated hand wheel.
- Automatic screw-and-disc type load brake with corrosion protected components.
- Sturdy bottom block with encapsulated bolt connections.
- Due to optimized gearing a minimum effort is required to operate the short hand lever.



Technical Parameters

Item Code	Capacity (kg)	Model	No. of chain	Chain size (mm)	Pull on hand chain at WLL N	Net weight at standard 3m lift(kg)
206008	800	LK008	1	6x18	180	7.4
206016	1600	LK016	1	8x24	380	11.6
206032	3200	LK032	1	10x30	450	19.9
206063	6300	LK063	2	10x30	500	29.4
206090	9000	LK090	3	10x30	550	41



Size Specification (mm)

Item Code	Model	H min	A	B	C	D	L	K
206008	LK008	320	148	90	136	40	250	28
206016	LK016	380	172	98	160	52	300	38
206032	LK032	480	200	115	180	60	375	42
206063	LK063	600	200	115	235	68	375	50
206090	LK090	740	200	115	235	85	375	55

RATCHET LEVER HOIST Model: LM

Capacity: 250 - 500 kg



This hoist is the smallest, lightest for professional applications.

The extreme low tare weight and the very compact design make the hoist easy to use even in confined working conditions.

Features

- The drop forged suspension and load hooks, that yield under overload instead of breaking, are made from non-aging, high tensile alloy steel.
- The hooks are fitted with robust safety latches and are free to rotate 360°.
- The short and ergonomic hand lever makes the hoist easy to operate.
- The enclosed design protects the internal parts from contamination.
- All parts of the disc type load brake are manufactured from high quality materials and are corrosion protected.

Technical Parameters

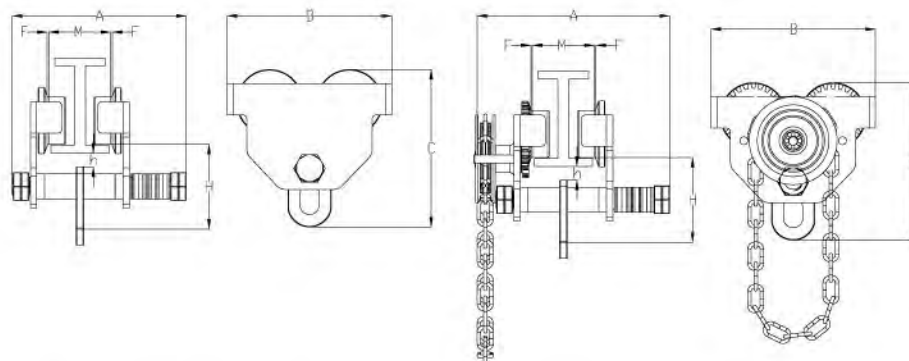
Item Code	Capacity (kg)	Model	No. of chain	Chain size (mm)	Pull on hand chain at WLL N	Net weight at standard 3m lift(kg)
207003	250	LM003	1	4	250	1.8
207005	500	LM005	1	5	340	4

Size Specification (mm)

Item Code	Model	H min	A	B	C	D	L	K
207003	LM003	230	92	72	85	30	160	25
207005	LM005	260	105	78	80	35	300	25

GEARED TROLLEY AND PUSH TROLLEY Model: GA and Model: TA

Capacity: 500 - 10000 kg



The trolley enables the exact positioning or easy traversing of large loads with either manual or powered hoisting equipment.

Features

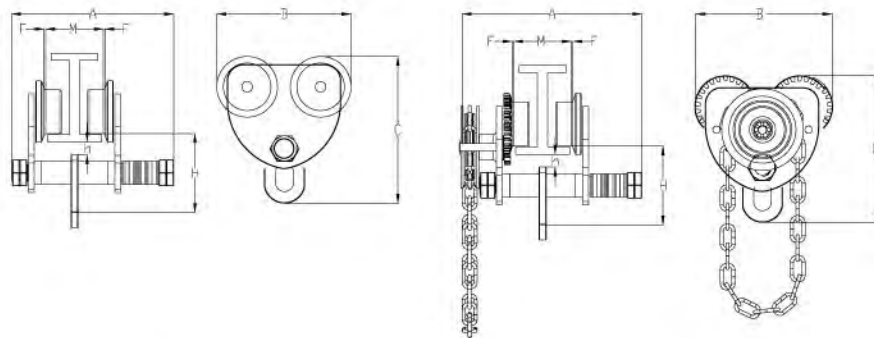
- It has excellent rolling features due to machined steel wheels mounted on prelubricated, encapsulated ball bearings.
- Adjustable to fit a wide range of beam widths and profiles (e.g. INP, IPE and IPB).
- The trolley wheels are designed for a max. beam profile incline of 14 % (DIN 1025 - part 1), excellent rolling features are guaranteed by prelubricated, encapsulated ball bearings.
- Trolleys and beam clamps have a min. fracture security of 4:1
- They are tested with overload and supplied with a test certificate.
- For geared trolley, the standard operation chain length is 3meter, other length is available upon request.

Technical Parameters

Item Code	Capacity (kg)	Model	Beam flange width F	Size dimension (mm)					Net weight (Kg)
				A	B	C	H	F	
208005	500	GA005	50-125	248	195	180	115	≈2	11
208010	1000	GA010	75-125	280	236	211	115	≈3	14.5
208020	2000	GA020	100-150	318	273	236	130	≈3	19.5
208030	3000	GA030	100-150	340	320	295	164	≈3	40
208050	5000	GA050	125-175	365	366	334	177	≈3	55
208100	10000	GA100	150-175	410	389	460	237	≈3	98
209005	500	TA005	50-125	210	195	180	115	≈2	6.8
209010	1000	TA010	75-125	242	236	211	115	≈3	8.7
209020	2000	TA020	100-150	280	273	236	130	≈3	13.5
209030	3000	TA030	100-150	300	320	295	164	≈3	36
209050	5000	TA050	125-175	316	366	334	177	≈3	50
209100	10000	TA100	150-175	343	389	460	237	≈3	90

GEARED TROLLEY AND PUSH TROLLEY Model: GB and Model: TB

Capacity: 500 - 10000 kg



The trolley enables the exact positioning or easy traversing of large loads with either manual or powered hoisting equipment.

Features

- Extremely easy work-site installation.
- Compatible with I beam and H beam rails.
- High quality sealed ball bearings.
- Lightweight and compact.
- Easily travel over minor rail surface irregularities.
- For geared trolley, the standard operation chain length is 3meter, other length is available upon request.

Technical Parameters

Item Code	Capacity (kg)	Model	Beam flange width F	Size dimension (mm)					Net weight (Kg)
				A	B	C	H	F	
210005	500	GB005	50-125	206	174	180	118	≈2	8
210010	1000	GB010	75-125	271	206	222	120	≈3	15
210020	2000	GB020	100-150	308	240	267	132	≈3	18
210030	3000	GB030	100-150	342	279	319	181	≈3	35
210050	5000	GB050	125-175	384	318	384	219	≈3	54
210100	10000	GB100	150-175	410	721	450	220	≈3	100
211005	500	TB005	50-125	200	174	180	118	≈2	6
211010	1000	TB010	75-125	220	206	222	120	≈3	8
211020	2000	TB020	100-150	260	240	267	132	≈3	13
211030	3000	TB030	100-150	285	279	319	181	≈3	24
211050	5000	TB050	125-175	338	318	384	219	≈3	44



MAGNETIC LIFTER
CABLE PULLER
HAND WINCHES
MECHANICAL STEEL JACK
HAND PULLEY BLOCK
ROLLER SKATES
BEAM CLAMP



PAWELL

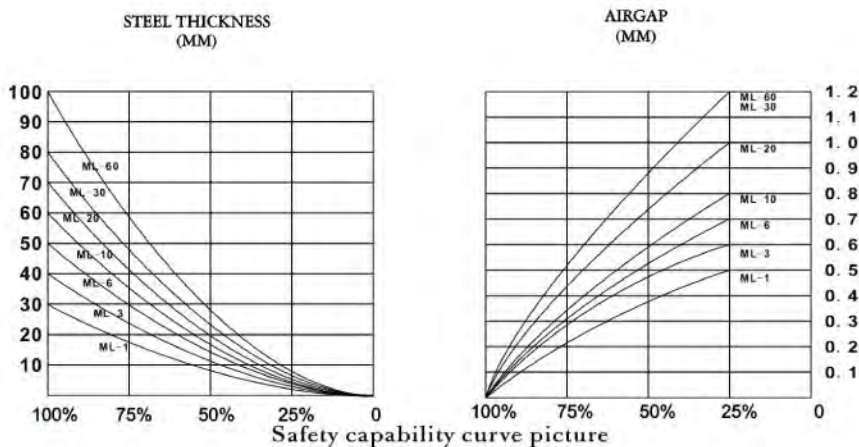
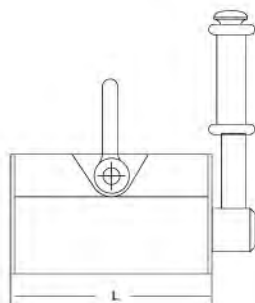
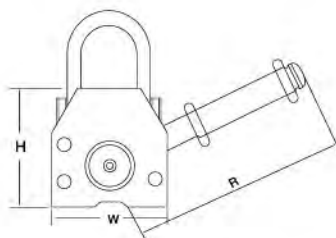
MAGNETIC LIFTER Model: ML

Capacity: 100 - 6000 kg



Features

- ML load lifting magnets are ideal tools for easy, quick and thus economical transport of heavy objects made of ferro-magnetic material. Typical operating areas are workshops and warehouses, loading and unloading of machines as well as construction of jigs and fixtures.
- Compact design of the units for a large number of applications.
- The load is not affected mechanically which allows lifting of flat as well as round material. The efficient magnet body provides strong lifting capacity at low dead weight. The permanent magnets do not require electric energy and will leave only minor residual magnetism on the material after use.
- The magnets are activated / deactivated easily by turning a locking lever. In activated condition the hand lever will be safely locked and thus prevent unintended demagnetising.
- The selection of the appropriate magnet model should be made under consideration of the varying conditions of the contact surface, kind of material alloy.



Safety factor 350% WLL

Item Code	Model	Rated lifting strength (Kgf)	Cylindrical Lifting strength (Kgf)	Max pull-off strength (Kgf)	W	L	H	R	Operation temperature (C)	Dead weight (Kg)
214001	ML-1	100	30	350	62	92	70	145	<80	3
214003	ML-3	300	100	1050	92	162	96	180	<80	10
214005	ML-5	500	150	1750	120	216	118	220	<80	20
214006	ML-6	600	200	2100	122	232	120	220	<80	24
214010	ML-10	1000	300	3500	176	258	163	285	<80	50
214020	ML-20	2000	600	7000	234	378	212	465	<80	125
214030	ML-30	3000	1000	10500	286	458	261	565	<80	220
214060	ML-60	6000	2000	19200	296	720	266	710	<80	398

Note: Safety factor 300% WLL magnetic lifter is also available, please contact with us if request.

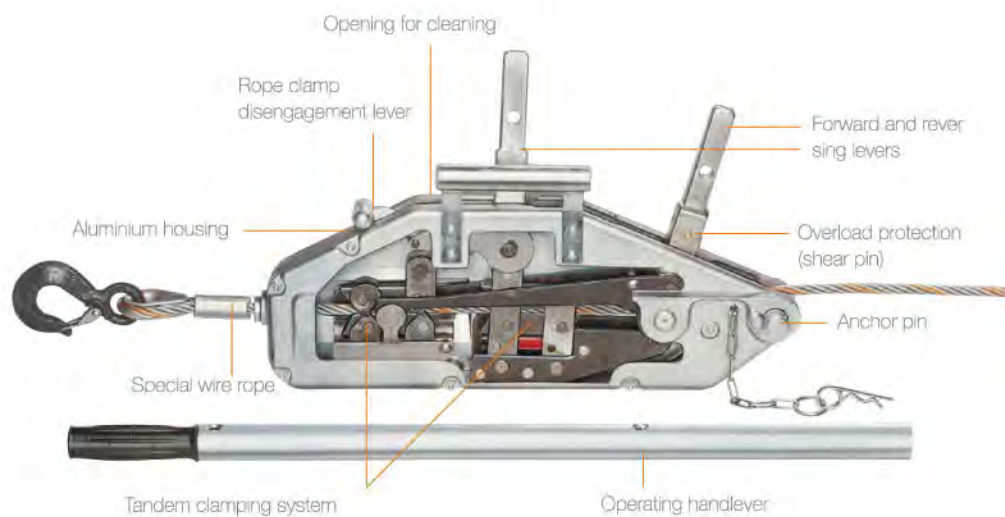
CABLE PULLER Model: TA / TS

Capacity: Pulling force 800 - 5400 kg



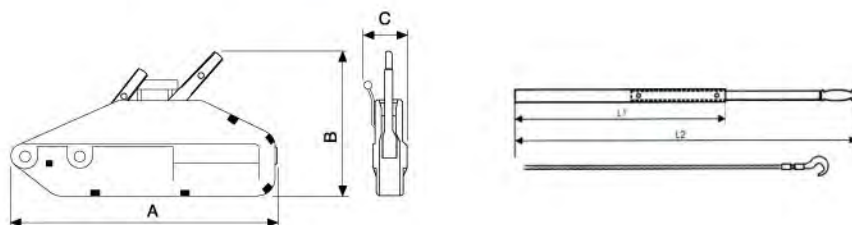
Features

- It has a light weight, compact, high strength aluminium alloy housing (TS model is stamped steel housing), with a large flat bottom surface for increased stability in horizontal as well as vertical working position.
- Forward and reversing levers in tandem provide slim design and assure power transfer along the centre line.
- Overload protection is by a shearing pin in the forward lever. Spare shear pins are conveniently located in the carrying handle or operating lever.
- A broken pin can be replaced without removing the load.
- A lever disengages the rope clamp system allowing easy, smooth installation of the wire rope.
- The rope is tapered at one end for easy threading and fitted with an eye sling hook with safety latch on the other end.
- The parallel arrangement of the clamping system protects the wire rope by distributing the clamping forces evenly.
- A long rope advance per each lever stroke increases the working speed.



CABLE PULLER Model: TA / TS

Capacity: Pulling force 800 - 5400 kg



Technical Parameters

Item Code	Model	Capacity (kg)	Lever pull at WLL (N)	Rope advance per double (mm)	Rope dia. (mm)	Max. travelling load (kg)	Net weight kg
216008	TA08	800	343	≥ 52	8.3	1200	6.5
216016	TA16	1600	441	≥ 55	11	2400	12.5
216032	TA32	3200	441	≥ 28	16	4000	28
216054	TA54	5400	745	≥ 30	20	8000	56.5
217008	TS08	800	343	≥ 52	8.3	1200	8
217016	TS16	1600	441	≥ 55	11	2400	14
217032	TS32	3200	441	≥ 28	16	4000	28



Size Specification (mm)

Item Code	Model	Max. overall size				
		A	B	C	L1	L2
216008	TA08	426	235	64	800	/
216016	TA16	545	280	97	692	1200
216032	TA32	660	325	116	692	1200
216054	TA54	930	480	152	680	1120
217008	TS08	426	235	64	800	/
217016	TS16	545	280	97	692	1200
217032	TS32	660	325	116	692	1200

BRAKE HAND WINCHES Model: HW

Capacity: Pulling force 800 - 2600 lb



Features

- The cost - effective solution for a wide variety of applications ,HW Brake Hand Winches can be used to pull or lift loads.
- Positive action brake can hold the load in any position
- Compact, light weight and rugged construction
- Mechanical components enclosed for protection
- Baked enamel finish for corrosion protection
- Rope to drum fixing clamp provided
- Available in corrosion resistant grade 304 stainless steel stainless



Technical Parameters

Item Code	Model	Capacity Pull-Lift (kg)	Hand force required (kg)	Gear ratio	Hub dia. (mm)	Handle length (mm)	Rope storage (m)	Rope dia. (mm)	Net weight (Kg)
218008	HW080	370-180	14.5	4,1:1	Φ40	160	36	Φ4.0	3
218012	HW120	545-270	15	4,1:1	Φ50	210	23	Φ5.0	3.3
218018	HW180	820-410	22	5:1	Φ70	320	24	Φ7.0	8
218026	HW260	1200-600	19	10:1	Φ80	320	18	Φ8.0	10.3
218S26	SF260	1100	16	22.2:1	Φ60	300	35	Φ8.0	13.5
218H15	HW150	680	4.5	40:1	Φ48	195	23	Φ4.0	4.9

MANUAL WINCH HEAVY DUTY Model: MW

Capacity: Pulling force 100 - 30000 kg



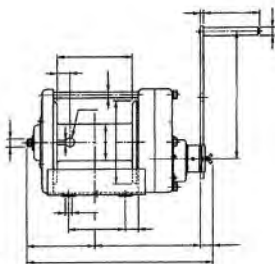
Features

- Suitable for many lifting and lowering applications such as raising boats on davits of raising and lowering sailboat keels.
- Self - locking brake winches provide additional safety and control for many lifting and pulling jobs.
- The automatic friction brake supplies constant, positive holding action and prevents runaway load.
- Brake is fully automatic and the load remains in position anytime the handle is released.



Technical Parameters

Item Code	Model	Rope dia. (mm)	Dualability on 1st layer (kg)	Drum Diameter (mm)	Hand pressure load (kg)	Drum Capacity (m)	Can wind per turn (mm)	Handle length (mm)	Gear ratio	Net weight (Kg)
219001	MW001	Φ5.0	100	48.0	11.5	30	166.5	240	1:1	6.9
219003	MW003	Φ6.3	300	60.5	11	30	72.8	350	2.28:1	11.6
219005	MW005	Φ6.3	500	60.5	12	40	48.4	350	4.33:1	13.0
219010	MW010	Φ8.0	1000	76.3	12	40	21.7	350	12.19:1	18.1
219020	MW020	Φ9.0	2000	89.1	13	40	13.6	350	22.68:1	24.0
219030	MW030	Φ12.5	3000	101.6	18	40	18.0	350	22.16:1	42.6



MECHANICAL STEEL JACK Model : MJ

Capacity: 1.5 to 20 ton



Technical specialties

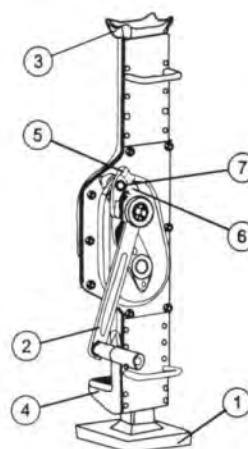
- Double pawl brake system - quick braking, safe and reliable
- Low gearing tolerance - smooth transmissions, free of jerks.
- High efficiency and minimum turning force Less than 25 kgs is required to lift full load of all rated capacity
- Sturdy structure, light weight and quick lift performance, high quality material CRS Plate, carburized alloy steel gears.



Operation Guide

Put the steel jack on even places. Then place the goods on the Lower Support Stand (4) or the Upper Support Stand (3). Shake the Level (2) clockwise to lift the goods, vice verse, the goods are lowered down.

- (1) Base
- (2) Level
- (3) Upper Support Stand
- (4) Lower Support Stand
- (5) Upper Ratchet Pawl
- (6) Lower Ratchet Pawl
- (7) Axle Ring



Inspection Prior to Use



Attention

- Overload is forbidden. Do not exceed the rated capacity
- Before operation, please check the flexibility of the ratchet pawls (5),(6)
- Please be sure the jack is on complete balance when operating. Do not put it on beveled, arc or uneven surface. The jack placed on hard must hard plain grounds
- Before lifting, please be sure of the support stand (4)(3) supports the goods completely
- When several jacks are used at the same time, please be sure of the body under the same lift or down. The whole operation course should be directed.
- It's forbidden putting any parts of the body under the lifted goods.
- If working force is abnormal in operation, please stop working immediately to inspect all related transmit components.
- Lubricate parts applied regularly
- The upper support stand (3) should be on bottom position when the jack is not used.



MJ Jack is designed and developed for heavy duty industrial lifting application, strictly in accordance with the latest safety standard DIN 7355.

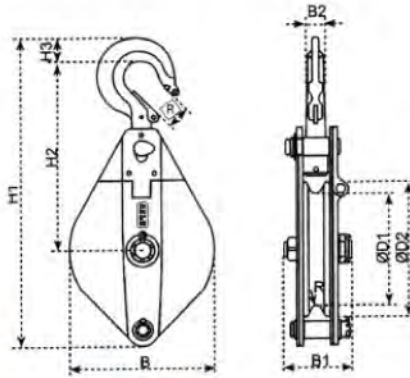


Technical Parameters

Item Code	Model	Rated load Ton	Height of Load (mm)	Lifting height (mm)	Height of Claw in Lowest Position (mm)	Net Weight (kg)
220015	MJ015	1.5	725	350	70	13
220030	MJ030	3.0	725	350	75	20
220050	MJ050	5.0	725	300	70	27
220100	MJ100	10	800	300	90	47
220160	MJ160	16	950	400	95	64
220200	MJ200	20	950	400	95	73

HAND PULLEYBLOCK Model: HPB

Capacity: 0.5 -6.4 ton



Features

- Swinging the hook in the direction of pull securely locks the pulley block.
- The high quality cast steel sheaves have machined grooves.
- When choosing and classifying pulley blocks, take the Principles for Rope Drives DIN 15020 into consideration.



Technical Parameters

Item Code	Model	Working Load (T)	Hook latch H (mm)	Rope Dia. (mm)	B	B1	B2	H1	H2	H3	D1	D2	D3	Weight (kg)
221005	HPB 05	0.5	20	Φ5	95	62	16	260	190	20	75	88	3	2
221010	HPB 10	1	23	Φ7	118	76	17	305	200	23	85	105	4	3.2
221020	HPB 20	2	27	Φ13	119	92	24	425	263	30	150	190	7	7.3
221032	HPB 32	3.2	31	Φ15	230	108	28	496	295	40	180	220	9	13.1
221064	HPB 64	6.4	42	Φ15	270	116	35	655	375	47	210	260	10	22.1

Pulley blocks, hinged, with single steel sheave

Capacity 500 - 6400 kg

One side of the pulley blocks is hinged and can be opened for easy and quick positioning of the wire rope on the sheave. It can also provide a quick and versatile rigging point or redirect a wire rope.



Angle Factor Multipliers

Angle	Factor	Angle	Factor
0°	2.00	100°	1.29
10°	1.99	110°	1.15
20°	1.97	120°	1.00
30°	1.93	130°	0.84
40°	1.87	145°	0.76
45°	1.84	140°	0.68
50°	1.81	150°	0.52
60°	1.73	160°	0.35
70°	1.64	170°	0.17
80°	1.53	180°	0.00
90°	1.41	/	/



ROLLER SKATES

Capacity: 6--18ton

Shifting skate 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

Item Code. 222### skate Turnable with bearing

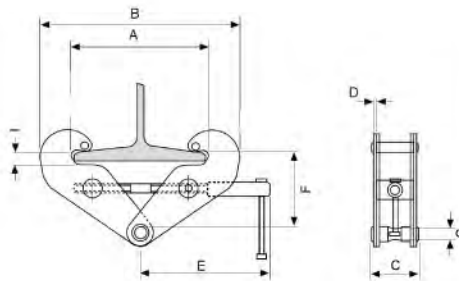
Item Code. 223### is heavy duty type.



Technical Parameters

Item Code	Capacity (T)	N.W. (Kg)
222006	6	13.95
222008	8	20.8
222012	12	27.1
222018	18	42.45
223006	6	12.8
223008	8	20.2
223012	12	26.1
223018	18	39.4

BEAM CLAMP Model: BC
Capacity: 1000 - 10000 kg



Features

- 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.

Option

- Can be supplied with shackle.
- Small dimensions for applications at beams with a low base height.

Technical Parameters

Item Code	Capacity (kg)	Flange width (mm)	Dimensions(mm)												Net weight (Kg)
			A		B		C	D	E	F		G	H	I	
			Max.	Min.	Max.	Min.				Max.	Min.			Max.	Min.
212010	1000	75-230	246	186	350	84	4	215	150	115	44	20	14	21	3.8
212020	2000	75-230	246	186	350	94	6	215	150	115	44	20	14	21	4.6
212030	3000	80-320	320	232	455	122	8	255	225	180	75	22	30	34	9.2
212050	5000	90-310	310	242	445	129	10	255	225	180	75	28	30	34	11
212100	10000	90-320	320	268	480	146	12	275	220	175	66	38	34	35	17.2
213010	1000	75-230	246	186	350	84	4	215	150	115	44	20	14	21	4.1
213020	2000	75-230	246	186	350	94	6	215	150	115	44	20	14	21	5
213030	3000	80-320	320	232	455	122	8	255	225	180	75	22	30	34	10.4
213050	5000	90-310	310	242	445	129	10	255	225	180	75	28	30	34	12
213100	10000	90-320	320	268	480	146	12	275	220	175	66	38	34	35	16

Note: Item No. 213### is coupled with shackle



LIFTING CLAMPS

Drum Lifting Clamp

Steel Pipe Lifting Clamp

Lateral Lifting Clamp

Steel Plate Lifting Clamp

Structure Steel Lifting Clamp



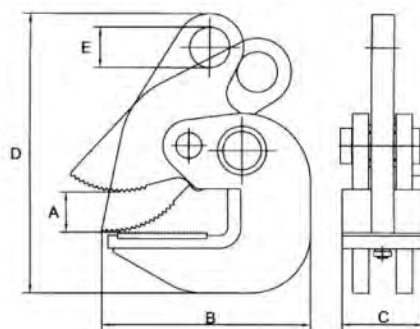
HORIZONTAL LIFTING CLAMP

Item Code: 301###, 302###

Capacity: 800-10000 kg



301###



Features

- Suitable for lifting and transport of steel plates, construction and profiled bar in horizontal position.
- Manufactured from high quality carbon steel.
- Avoid snatch or shock loading.
- The working load limit is the maximum load that the clamp are authorized to support when used in pairs with a lift angle of 60°. In lifting operations the clamps can be used in pairs or multiples.
- Item Code: 302### the screw jaw of the body can be changed, also have a safety button.



302###

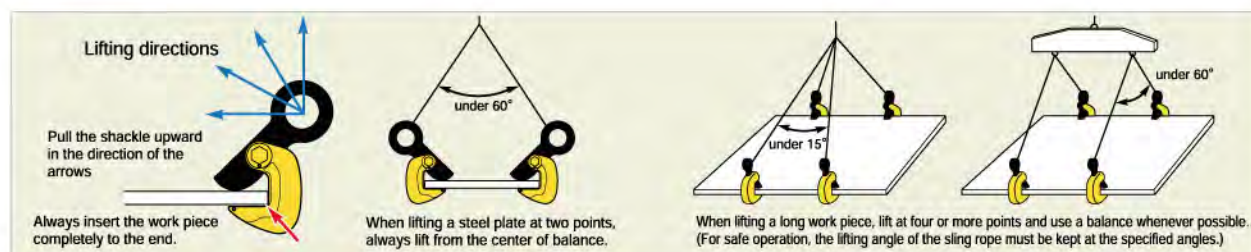


Technical Parameters

Item Code	Capacity (pair/kg)	Jaw opening (mm)	Dimensions (mm)					Weight (kg)
			A	B	C	D	E	
301008/302008	800	0-25	25	120	55	185	22	2.5
301010/302010	1000	0-30	30	155	60	215	25	3.5
301016/302016	1600	0-30	30	155	60	215	25	4
301020/302020	2000	0-40	40	175	65	245	25	5
301030/302030	3000	0-45	45	190	70	250	27	6
301040/302040	4000	0-50	50	190	70	255	27	6.5
301050/305050	5000	0-55	55	190	70	260	28	7.5
301060/302060	6000	0-65	65	200	70	275	28	10.5
301080/302080	8000	0-130	130	320	90	380	40	22
301100/302100	10000	0-140	140	320	90	390	40	33



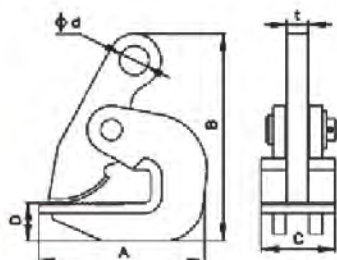
Examples Of Use



⚠ Always lift work pieces at 2 or more points for safety.

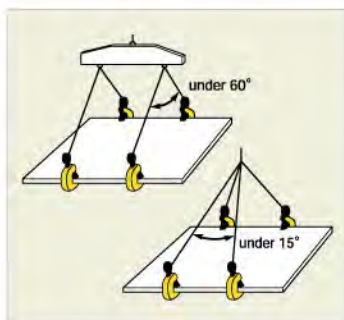
HORIZONTAL LIFTING CLAMP

Item Code: 303### Capacity: 2000-10000 kg



Features

- Suitable for lifting and transport of steel plates, construction and profiled bar in horizontal position.
- Manufactured from high quality carbon steel.
- Avoid snatch or shock loading.
- The working load limit is the maximum load that the clamp are authorized to support when used in pairs with a lift angle of 60°.
- In lifting operations the clamps can be used in pairs or multiples

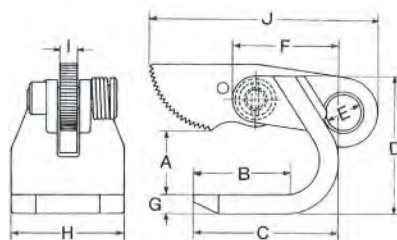


Technical Parameters

Item Code	Capacity (pair/kg)	Jaw opening (mm)	Dimensions (mm)					Weight (kg)
			A	B	C	D	E	
303020	2000	0-20	127	156	56	29	14	2.12
303030	3000	0-30	152	190	64	31	16	3.4
303050	5000	20-60	220	293	70	54	16	8.5
303080	8000	50-100	277	375	86	59	22	16.2
303100	10000	60-125	296	421	86	66	24	20.2

HORIZONTAL LIFTING CLAMP

Item Code: 304### Capacity: 1500-5000 kg

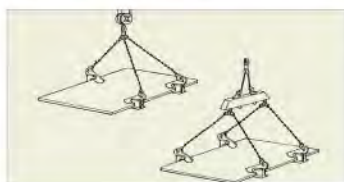


Features

- Suitable for lifting and transport of steel plates, construction and profiled bar in horizontal position.
- Manufactured from high quality carbon steel.
- Must be used in pairs for horizontal lifting Cap.1.5t has spring close, others are spring open.



Examples Of Use



Technical Parameters

Item Code	Capacity (pair/kg)	Jaw opening (mm)	Dimensions (mm)										Weight (kg)
			A	B	C	D	E	F	G	H	I	J	
304015	1500	0-50	56	80	126	126	32	92	16	100	16	32	206
304030	3000	0-50	65	95	185	145	36	142	29	110	20	36	240
304050	5000	0-50	67	115	210	160	40	160	36	120	22	40	267

HORIZONTAL LIFTING CLAMP

Item Code: 305###

Capacity: 1000-3000 kg



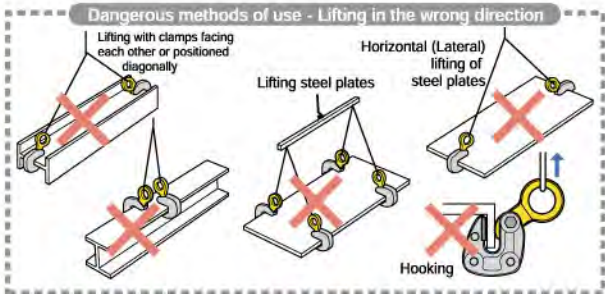
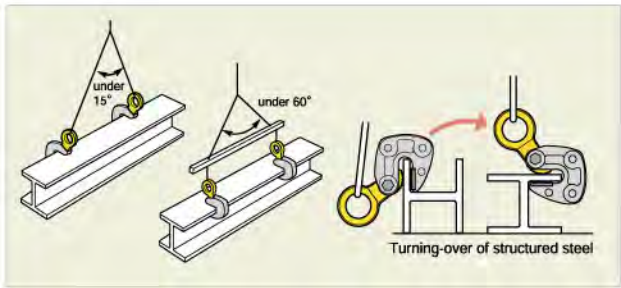
Features

- Suitable for lifting and transport of flat steel plate (H type, I type, T-type, L-shaped steel, etc.) and structural iron (horizontal) hanging clamp, shaped steel
- A lock mechanism spring-tightening, even at no load condition, clamps grip securely.
- Mechanism gripping force is increased more strongly in proportion to the lifting load.
- By the high-frequency hardening, cam distinguished durable die forging of special alloy steel

Technical Parameters

Item Code	Capacity (pair/kg)	Jaw opening (mm)	Dimensions (mm)											Weight (kg)
			L	t	T	H	h1	h2	B	b1	b2	D	d	
305010	1000	1-13	152	14	32	104	23.5	39.5	105	66	44	51	23	2
305030	2000	3-22	199	18	42	130	36	50	137	87	58	66	30	4.5
305050	3000	12-35	263	22	48	164	41.5	69.5	174	108	68	80	36	8.9

Examples Of Use

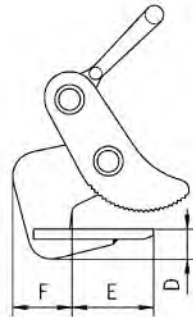
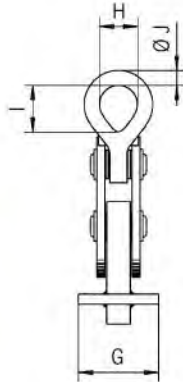


Always lift work pieces at 2 or more points for safety.

HORIZONTAL LIFTING CLAMP

Item Code: 306###

Capacity: 1000-10000 kg



Features

- It is especially suited for the transport of single plates with a minimum thickness of approx. 5 mm as well as for plate bundles.
- The two-legged version is appropriate for normal sized plates.
- For extra large or long plates, it is recommended to use two sets of the two-legged lifting gears in conjunction with a spreader beam.
- In the standard version, the lifting clamp is suitable for plates up to 1500 mm width. Lifting gears with longer chains for larger plate widths are available upon request. The capacity applies to a pair of lifting clamps.
- Single clamps are also available.



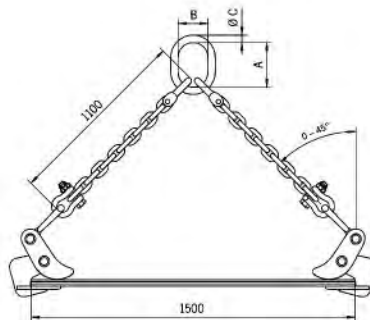
Technical Parameters

Item Code	Capacity (pair/kg)	Jaw opening (mm)	Dimensions (mm)										Weight (kg)
			A	B	C	D	E	F	G	H	I	J	
306010	1000	0-50	135	75	18	15	82	65	100	32	44	13	4
306020	2000	5-32	160	90	22	32	83	61	100	49	72	19	5.5
306040	4000	5-50	180	100	26	44	114	75	99	62	89	26	8.5
306060	6000	5-75	200	110	32	58	172	97	129	90	127	36	23
306080	8000	5-75	260	140	36	56	170	100	128	90	130	37	26.5
306100	10000	5-100	300	160	40	70	216	116	149	113	113	50	47.5
306101	10000	50-150	300	160	40	66	218	116	150	113	113	50	54



Examples Of Use

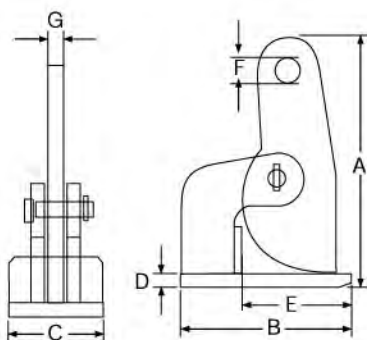
- 1 set horizontal lifting gear consists of two clamps with a two-legged chain sling.
- In the standard version, the lifting clamp is suitable for plates up to 1500 mm width. Lifting gears with longer chains for larger plate widths are available upon request. The capacity applies to a pair of lifting clamps.
- Single clamps are also available.



HORIZONTAL LIFTING CLAMP

Item Code: 307###, 308###

Capacity: 500-10000 kg

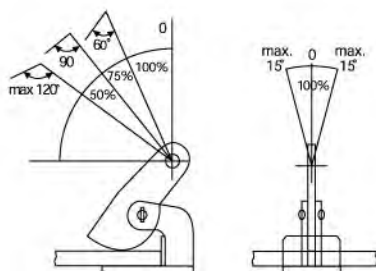


Features

- Suitable for lifting and transport of steel plates, in horizontal position.
- Manufactured from high quality carbon steel.
- The compact shape and relative light own weight with a high lifting capacity.
- Must always be used in pairs (or multiples thereof).
- Lifting capacity and jaw opening are clearly engraved in the body
- Item Code 308### has an enlarged jaw opening.



Examples Of Use



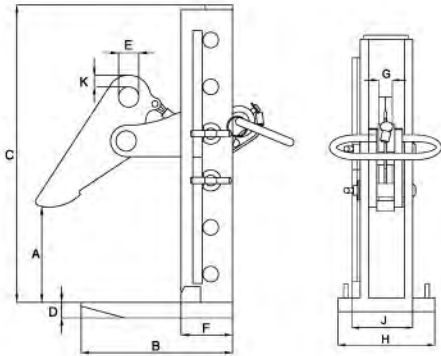
Technical Parameters

Item Code	Capacity (pair/kg)	Jaw opening (mm)	Dimensions (mm)						Weight (kg)
			A	B	C	D	E	G	
307010	1000	0-35	193	140	65	100	25	15	2.6
307020	2000	0-60	290	180	80	115	30.5	15	7.7
307030	3000	0-60	293	220	90	140	30.5	20	11.4
307040	4000	0-60	295	220	100	135	30.5	30	13
307060	6000	0-60	330	225	120	130	30.5	30	18
307080	8000	0-60	330	225	120	130	30.5	30	18
307100	10000	0-60	330	225	120	130	30.5	30	20
307120	12000	0-80	330	225	120	130	30.5	30	25
308020	2000	0-100	380	180	80	115	30.5	30	9
308030	3000	0-100	400	220	90	140	30.5	30	14
308040	4000	0-100	410	220	100	135	30.5	30	16
308060	6000	0-100	425	225	120	130	30.5	30	22
308080	8000	0-100	425	225	120	130	30.5	30	22
308100	10000	0-100	425	225	120	130	30.5	30	22
308120	12000	0-100	425	225	120	130	30.5	30	22
308150	15000	0-150	665	350	140	240	30.5	30	50

HORIZONTAL LIFTING CLAMP

Item Code: 309###

Capacity: 500-10000 kg



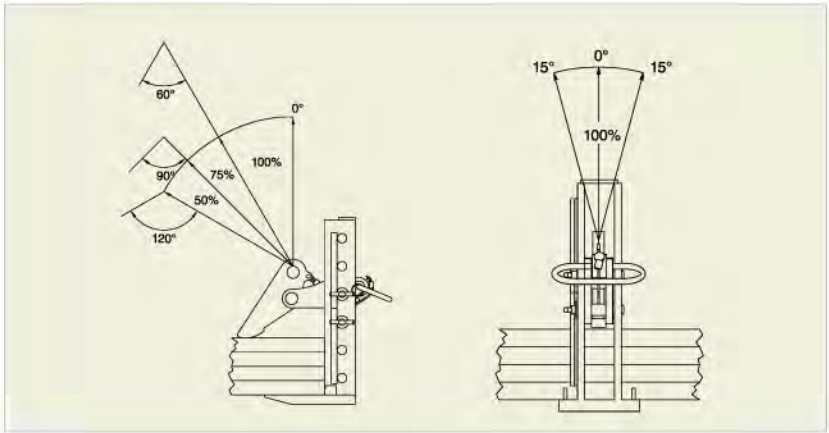
Features

- Suitable for lifting and transport of steel plates, in horizontal position.
- Manufactured from high quality carbon steel.
- The compact shape and relative light own weight with a high lifting capacity.
- Must always be used in pairs (or multiples thereof).
- Lifting capacity and jaw opening are clearly engraved in the body.

Technical Parameters

Item Code	Capacity (pair/kg)	Jaw opening (mm)	Dimensions (mm)										Weight (kg)
			A	B	C	D	E	F	G	H	J	K	
309030	3000	0-180	180	194	256	20	26	66	20	140	76	15	10.5
309031	3000	0-300	300	194	376	20	26	66	20	140	76	15	13
309032	3000	0-420	420	194	496	20	26	66	20	140	76	15	16
309060	6000	0-420	420	227	516	25	30	102	20	160	76	13	23
309090	9000	0-420	420	270	566	25	34	122	20	190	76	21	31
309120	12000	0-420	420	292	588	30	40	133	25	200	97	18	52

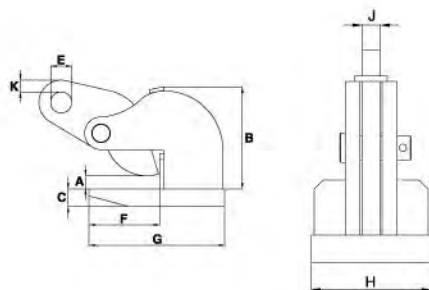
Examples Of Use



HORIZONTAL LIFTING CLAMP

Item Code: 310###

Capacity: 750-4500 kg



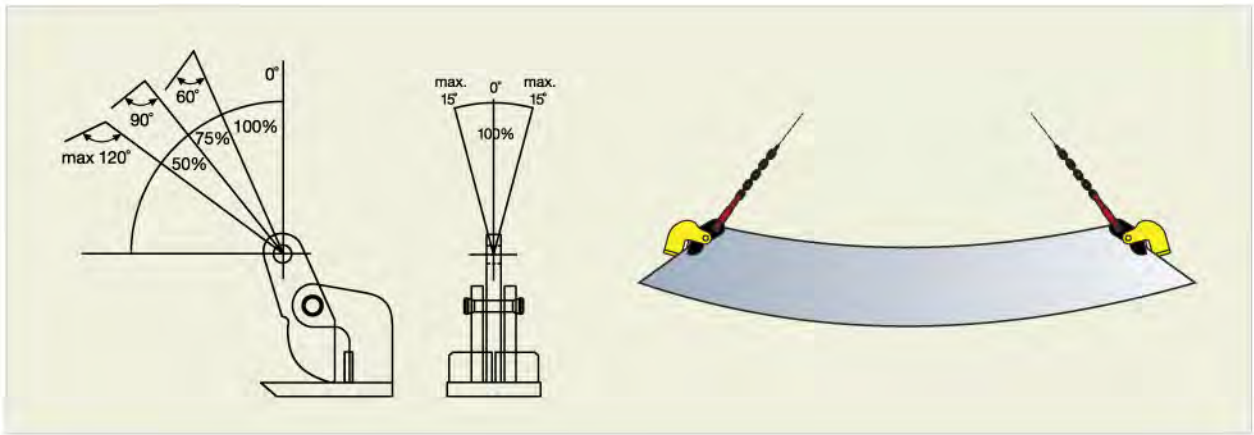
Features

- For lifting and transporting of thin sheets that deflect when being lifted.
- Compact shape and relatively low own weights, with a high lifting capacity.
- Must always be used in pairs (or multiples thereof).

Technical Parameters

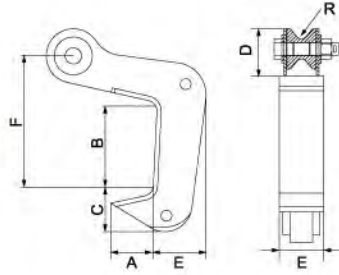
Item Code	Capacity (pair/kg)	Jaw opening (mm)	Dimensions (mm)									Weight (kg)
			A	B	C	E	F	G	H	J	K	
310008	750	0-30	30	94	16	16	70	118	81	12	12	3
310015	1500	0-45	45	133	16	22	125	192	100	16	12	5.5
310030	3000	0-45	45	137	20	26	125	200	120	20	10	8
310045	4500	0-45	45	138	25	30	126	220	120	20	10	8.5

Examples Of Use



HORIZONTAL LIFTING CLAMP

Item Code: 311### Capacity: 4000-10000 kg



Features

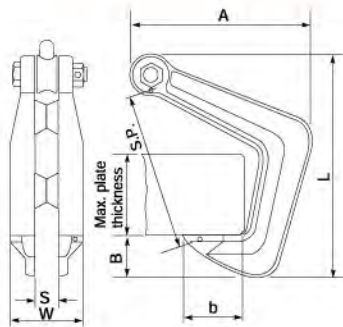
- Suitable for lifting and transport single or multi steel plates.
- Manufactured from high quality carbon steel.
- Avoid snatch or shock loading. Lifting beam must be in use.
- The roller at the head of the hook will not damage the sling rope.
- The working load limit is the maximum load that the clamps 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.

Technical Parameters

Item Code	Capacity (pair/kg)	Jaw opening (mm)	Dimensions (mm)							Weight (kg)
			A	B	C	E	F	G	R	
311040	4000	0-100	72	102	70	74	179	60	10	7
311060	6000	0-120	91	129	89	100	263	73	12	14
311100	10000	0-210	134	213	133	130	357	90	15	32

HORIZONTAL LIFTING CLAMP

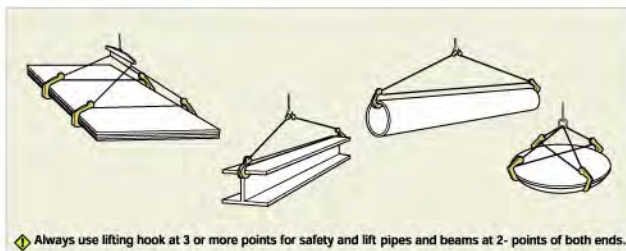
Item Code: 312### Capacity: 1000-10000 kg



Features

- 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.

Examples Of Use



Always use lifting hook at 3 or more points for safety and lift pipes and beams at 2- points of both ends.

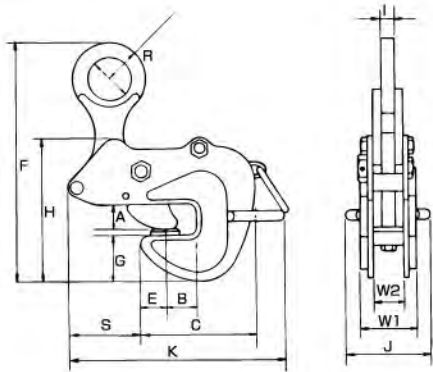
Technical Parameters

Item Code	Capacity (pair/kg)	Jaw opening (mm)	Weight (kg)
312010	1000	0-40	2
312020	2000	0-50	3.5
312032	3200	0-60	6
312050	5000	0-70	14.5
312070	7000	0-90	22

HORIZONTAL LIFTING CLAMP

Item Code: 313###

Capacity: 500-10000 kg



Features

- Suitable for lifting and transport of flat steel plate (H type, I type, T-type, L-shaped steel, etc.) and structural iron (horizontal) hanging clamp, shaped steel.
- A lock mechanism spring-tightening, even at no load condition, clamps grip securely.
- Mechanism gripping force is increased more strongly in proportion to the lifting load.
- By the high-frequency hardening, cam distinguished durable die forging of special alloy steel.

Technical Parameters

Item Code	Capacity (pair/kg)	Jaw opening (mm)	Dimensions (mm)														Weight (kg)
			A	B	C	E	F	G	H	I	J	K	S	R	w1	w2	
313005	500	0-20	23	30	116	26	188-215	41	135	12	110	232	76	25	65	28	3.2
313010	1000	0-25	28	35	129	27	221-260	46	155	16	114	259	80	40	66	34	5.3
313020	2000	0-30	33	40	146	35	246-290	60	175	18	114	273	74	45	76	40	7.9
313030	3000	0-38	41	45	165	35	267-315	70	200	18	114	305	88	48	76	40	10.5
313050	5000	0-40	45	45	205	45	362-403	75	238	28	152	388	177	55	87	59	27.6
313100	10000	20-70	75	70	250	50	430-490	92	303	36	178	454	135	55	109	71	50

Examples Of Use

●Lifting of steel structures

●Lifting of steel plates

●Lifting of pipes

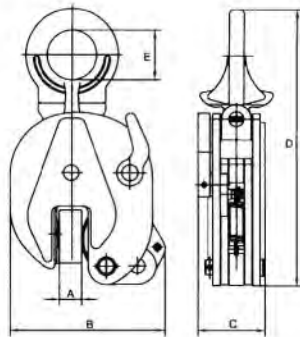
●Turning-over of structural steels

⚠ Always lift work pieces at 2 or more points for safety.

VERTICAL LIFTING CLAMP

Item Code: 320###

Capacity: 800-16000 kg



Features

- For lifting and transporting of steel plates and structures from all positions (horizontal, vertical and sidelong).
- Articulated lifting shackle.
- Equipped with a safety mechanism, ensuring the clamp does not slip when lifting force is applied and when load is being lowered.
- The clamp is locked in closed as well as in open position.
- Lifting capacity and jaw opening are clearly engraved in the body.

Technical Parameters

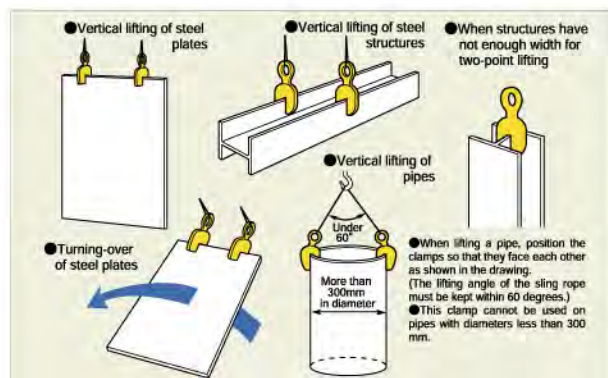
Item Code	Capacity (kg)	Jaw opening (mm)	Dimensions (mm)					Weight (kg)
			A	B	C	D	E	
320008	800	0-15	15	105	45	218	30	2
320010	1000	0-20	20	145	63	305	48	4
320016	1600	0-20	30	170	68	375	60	7
320020	2000	0-35	30	175	68	375	60	8
320021	2000	0-35	30	185	68	375	60	8
320030	3000	0-30	35	230	90	450	65	11
320050	5000	0-50	50	250	110	500	65	17.3
320080	8000	0-50	50	290	120	520	85	37
320120	12000	50-90	100	400	117	673	100	50
320160	16000	60-100	150	490	128	790	100	65

Examples Of Use

UNIVERSAL TYPE SHACKLE



The Universal shackle allows the cam to generate a clamping force on the work piece no matter which direction it is pulled.

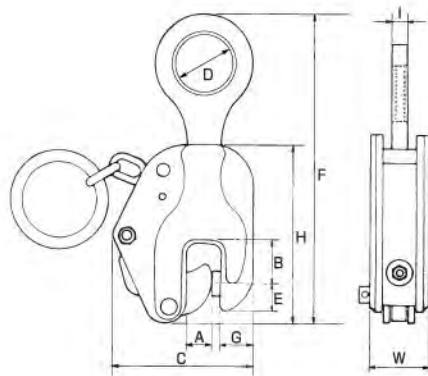


⚠ Always lift work pieces at 2 or more points for safety.

VERTICAL LIFTING CLAMP

Item Code: 321###

Capacity: 800-10000 kg



Features

- 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.
- The clamp is locked in closed as well as in open position.
- Manufactured from high quality carbon steel.
- High-frequency quenching of die-forged special alloy steels gives greater durability to the clamp.

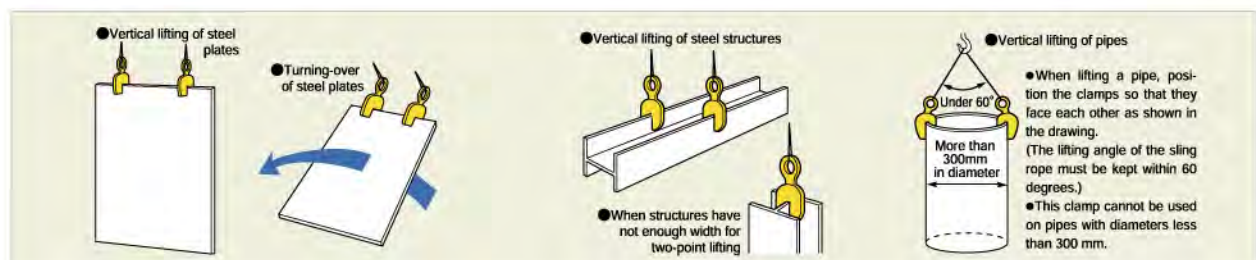


Technical Parameters

Item Code	Capacity (kg)	Jaw opening (mm)	Dimensions (mm)										Weight (kg)
			A	B	C	D	E	F	G	H	W	I	
321008	800	0-16	18	27	100	36	19	265	27	140	49	10	2.8
321010	1000	0-22	24	32	123	46	22	274	29	142	52	12	3.6
321020	2000	0-30	35	42	152	50	25	302	38	188	63	14	5.5
321030	3000	0-40	38	48	170	58	35	360	45	203	68	19	10
321050	5000	0-50	52	54	220	62	58	458	58	236	76	20	17
321080	8000	0-60	66	54	250	65	58	468	66	305	100	25	26
321100	10000	0-80	100	56	271	65	59	500	70	335	100	25	32



Examples Of Use

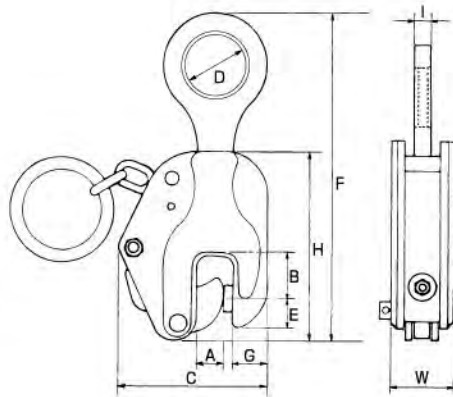


⚠ Always lift work pieces at 2 or more points for safety.

VERTICAL LIFTING CLAMP

Item Code: 322###

Capacity: 1000-5000 kg



Features

- 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.
- The clamp is locked in closed as well as in open position.
- Manufactured from high quality carbon steel.
- High frequency quenching of die-forged special alloy steels gives greater durability to the cam.

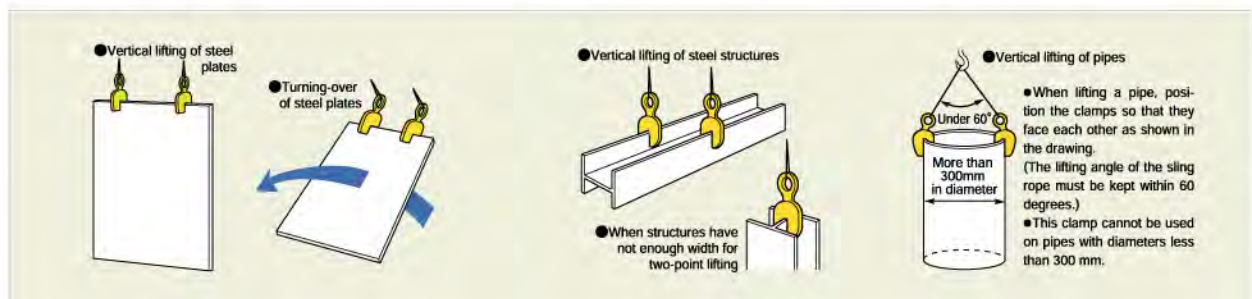


Technical Parameters

Item Code	Capacity (kg)	Jaw opening (mm)	Dimensions (mm)										Weight (kg)
			A	B	C	D	E	F	G	H	W	I	
322010	1000	0-20	24	32	123	46	22	274	29	142	52	12	4.3
322020	2000	0-30	35	42	152	50	25	302	38	188	63	14	7.2
322030	3000	0-35	38	48	170	58	35	360	45	203	68	19	11
322050	5000	0-50	52	54	220	62	58	458	58	236	76	20	17.3

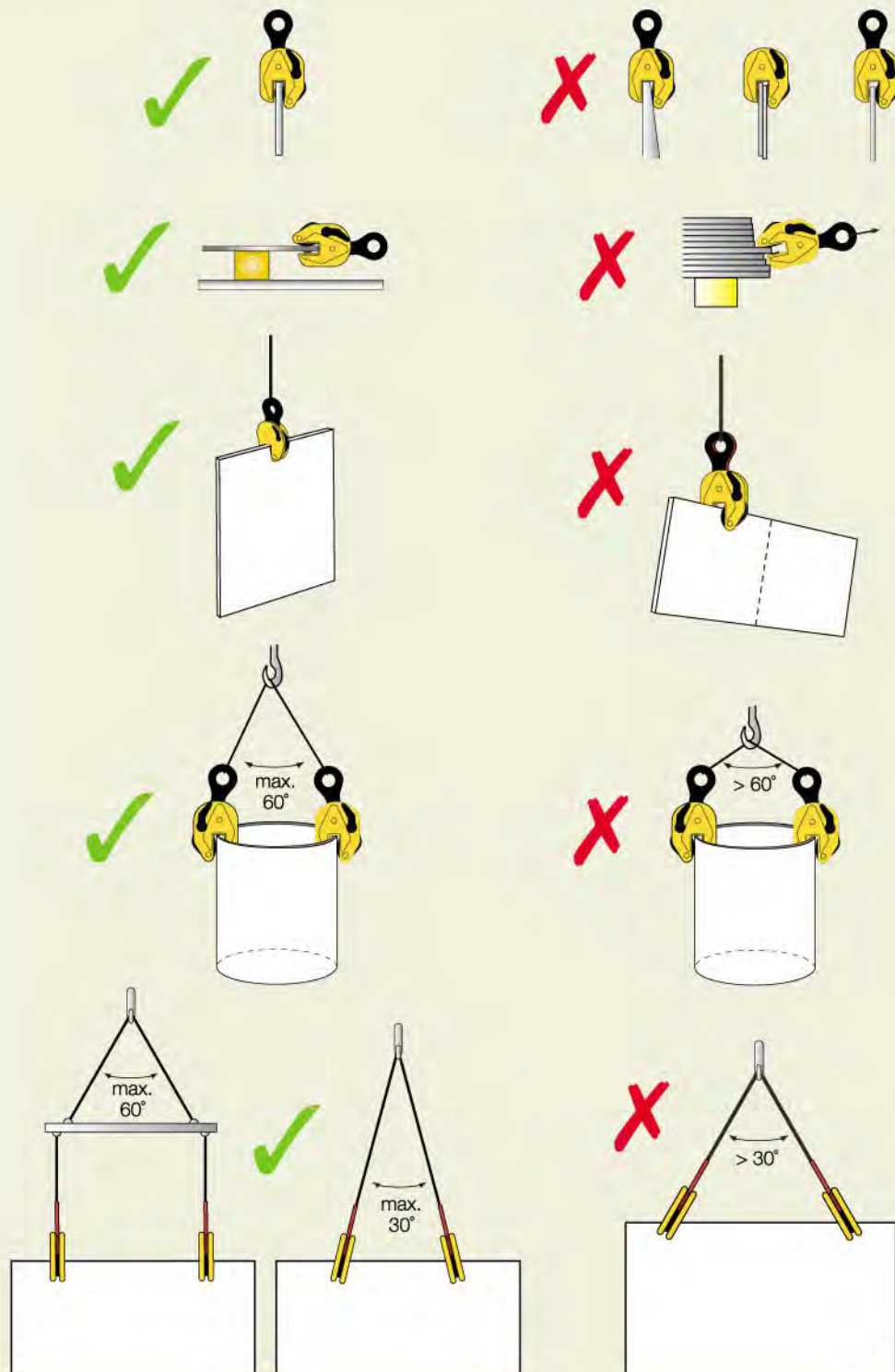


Examples Of Use



⚠ Always lift work pieces at 2 or more points for safety.

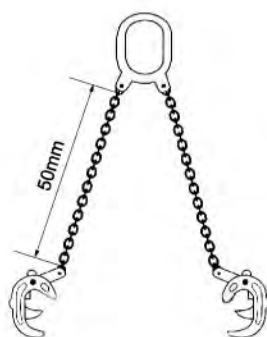
SAFELY LIFTING



DRUM CLAMP

Item Code: 330###

Capacity: 1000 kg



Features

- For safe lifting and transporting of steel (oil) drums.
- With automatic locking mechanism.
- Capacity 1000kg.



Technical Parameters

Item Code	Capacity (kg)	Jaw opening (mm)	Weight (kg)
330010	1000	0-25	3,6



Examples Of Use

Up-right Lifting (Lidded)	Side Angle Lifting	Dump	Double Leg

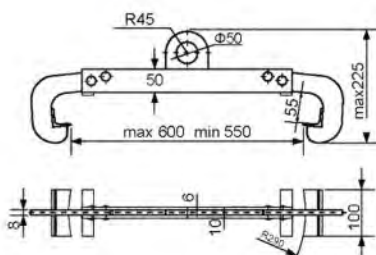
DRUM CLAMP

Item Code: 331###

Capacity: 500 kg



Examples Of Use



Features

- For lifting, handing and transporting of drums, where the drum have to stay in a horizontal position
- From a mechanics point of view, these clamps have ideal designs, which are compact, easy to use



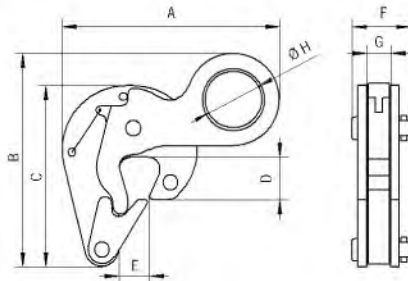
Technical Parameters

Item Code	Capacity (kg)	Jaw opening (mm)	Weight (kg)
331005	500	550-600	5

DRUM CLAMP

Item Code: 332###

Capacity: 500 kg



Features

- For safe lifting and transporting of steel (oil) drums.
- With automatic locking mechanism.
- Can be used singly or per pair.

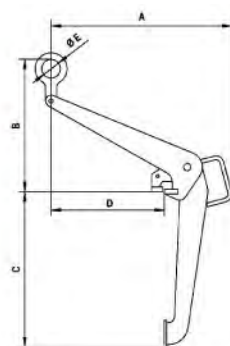


Technical Parameters

Item Code	Capacity (kg)	Jaw opening (mm)	Dimensions (mm)								Weight (kg)
			A	B	C	D	E	F	G	H	
332005	500	0-17	152	150	127	30	21	41	17	40	1.5



Examples Of Use



DRUM CLAMP

Item Code: 333###

Capacity: 600 kg



Features

- For lifting, handling and transporting of drums, where the drum have to stay in a horizontal position.
- From a mechanics point of view, these clamps have ideal designs, which are compact, easy to use



Examples Of Use



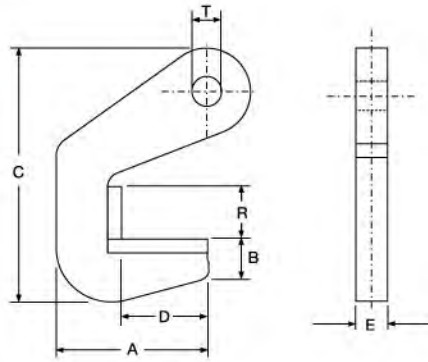
Technical Parameters

Item Code	Capacity (kg)	Jaw opening (mm)	Dimensions (mm)					Weight (kg)
			A	B	C	D	E	
333006	600	0-30	479	350	410	300	50	5

PIPE LIFTING CLAMP

Item Code: 314###

Capacity: 1500-18000 kg



Features

- For horizontal lifting and transporting of steel and concrete pipes.
- Compact shape and relatively low unit weight with a high lifting capacity.
- The surface is equipped with special plastic.
- Must be used in per pair.
- Plastic cover replacement parts are available and easy to change



Technical Parameters

Item Code	Capacity (pair/kg)	Jaw opening (mm)	Dimensions (mm)						Weight (kg)
			A	B	C	D	E	T	
314015	1500	0-40	120	32	185	70	41	15	1.5
314030	3000	0-40	120	32	185	70	41	15	2
314040	4000	0-50	120	32	195	70	41	26	2.8
314060	6000	0-50	120	32	195	70	41	26	3.2
314080	8000	0-70	120	32	215	70	45	26	3.6
314120	12000	0-70	120	32	215	70	85	26	9.5
314160	16000	0-70	120	32	215	70	100	26	11
314180	18000	0-70	120	32	215	70	100	26	13



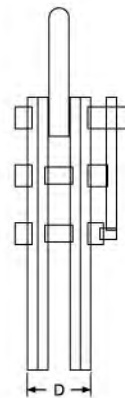
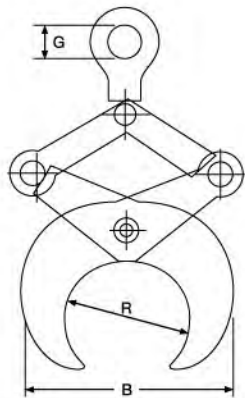
Examples Of Use



TUBE LIFTING CLAMP

Item Code: 323###

Capacity: 500-5000 kg



Features

- For vertical lifting of tubes, bundles of tubes and solid round material.

Technical Parameters

Item Code	Capacity (kg)	Jaw opening (mm)	Dimensions (mm)				Weight (kg)
			B	D	R	G	
323005	500	50-100	155	54	100	50	3.2
323010	1000	50-100	155	54	100	50	4.1
323020	2000	80-130	255	72	130	54	16
323030	3000	120-220	355	100	220	60	32
323050	5000	200-320	530	148	320	80	104

Examples Of Use



FLAT WEBBING SLING

Made from polyester (PES), according to EN 1492-1, form B2, with reinforced eyes, with capacity label.

- Material: 100% high-strength polyester yarn
- Duplex construction,
- Low elongation
- Each stripe is equal to 1 ton capacity
- Safety Factor: 7:1
- Length available: 1m-10m

EYE TYPE FLAT WEBBING SLING WITH CAPACITY STRIPES

Item Code: 400###



Item Code	Webbing Width (mm)	Colour coded according to EN 1492-1	Working Load Limit With 1 webbing slings					Working Load Limit With 2 webbing slings			
			Straight lift	Choked lift	β			Straight lift up to 45°	Choked lift up to 45°	Straight lift 45°-60°	Choked lift 45°-60°
					0°-7°	7°-45°	45°-60°				
			1.0	0.8	2.0	1.4	1.0	1.4	1.12	1.0	0.8
400010	30	WLL1T	1,000	800	2,000	1,400	1,000	1,400	1,120	1,000	800
400020	60	WLL2T	2,000	1,600	4,000	2,800	2,000	2,800	2,240	2,000	1600
400030	90	WLL3T	3,000	2,400	6,000	4,200	3,000	4,200	3,360	3,000	2400
400040	120	WLL4T	4,000	3,200	8,000	5,600	4,000	5,600	4,480	4,000	3200
400050	150	WLL5T	5,000	4,000	10,000	7,000	5,000	7,000	5,600	5,000	4000
400060	180	WLL6T	6,000	4,800	12,000	8,400	6,000	8,400	6,720	6,000	4800
400080	240	WLL8T	8,000	6,400	16,000	11,200	8,000	11,200	8,960	8,000	6400
400100	300	WLL10T	10,000	8,000	20,000	14,000	10,000	14,000	11,200	10,000	8000



Lifting eye types

	1. Flat eye
	2. Reversed eye
	3. Folded eye 1/2 width from 1 side
	4. Folded eye 1/2 width from 2 side
	5. Folded eye 1/3 width



Physical Information Chart

	Polyester
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



Chemical resistance information chart

material	acids	alkalis	oils	organic solvents	water and seawater	ethers	aldehydes	alcohols
Polyester	ok	no	ok	ok	ok	no	no	ok



CAUTIONS

- Do not exceed Working Load Limited
- Prevent shock-loading.
- When selecting a sling it is very important consider the angles at which the sling will be used.
- Sling are subject to cutting when lifting items with sharp edges. In this case always use wear sleeves.
- Do not use a damaged sling.
- Never drag a sling from underneath a load that is resting on it.
- Chemical active environments can effect the is strength of slings.
- Operating temperature range: -40 °C to + 100 °C
- Inspect slings weekly or more frequently depending on sling use.
- Always store slings in a cool dry and dark place when they are not in use for prolonged periods.
- Always read and understand the operating instructions before us

ROUND SLING

Made from polyester according to EN 1492-2,
with double stitchless protection sleeve, with capacity label.

- Color coding of the protective sleeve.
- Low weight allows easy handling.
- Protection against hand injuries.
- Protection against cargo surface damage.
- Heat resistant up to +100°C.

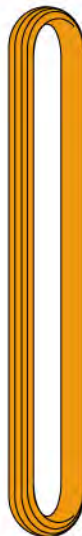
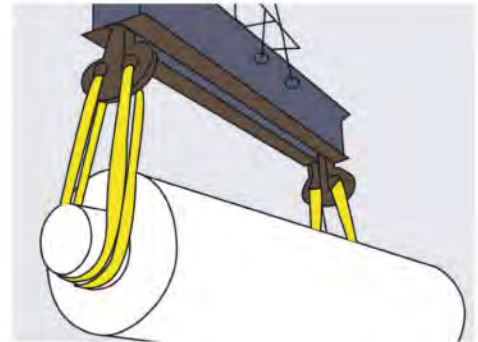
Round Slings

Item Code: 401###



Feature

- Material: 100% high-strength polyester yarn
- With two ply woven heavy duty out sleeve
- Low elongation
- Each stripe is equal to 1 ton capacity
- Safety Factor: 6:1 7:1 8:1
- Length available: 1m-10m 1m to 10m
- Standard: European: EN1492-2:2000
Australian: AS1353-1:1997

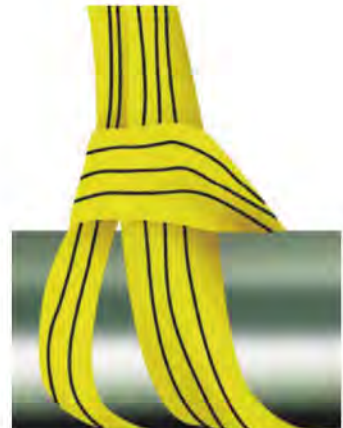


Item Code	Colour coded according to EN 1492-1	Working Load Limit With 1 webbing slings							Working Load Limit With 2 webbing slings			
		Straight lift	Choked lift	β					Straight lift	Choked lift	Straight lift	Choked lift
				0°-7°	7°-45°	45°-60°	up to 45°	45°-60°	45°	45°	45°-60°	45°-60°
		1.0	0.8	2.0	1.4	1.0	0.7	0.5	1.4	1.12	1.0	0.8
401010	WLL 1 T	1,000	800	2,000	1,400	1,000	700	500	1,400	1,120	1,000	800
401020	WLL 2 T	2,000	1,600	4,000	2,800	2,000	2,000	1,000	2,800	2,240	2,000	1,600
401030	WLL 3 T	3,000	2,400	6,000	4,200	3,000	2,100	1,500	4,200	3,360	3,000	2,400
401040	WLL 4 T	4,000	3,200	8,000	5,600	4,000	2,800	2,000	5,600	4,480	4,000	3,200
401050	WLL 5 T	5,000	4,000	10,000	7,000	5,000	3,500	2,500	7,000	5,600	5,000	4,000
401060	WLL 6 T	6,000	4,800	12,000	8,400	6,000	4,200	3,000	8,400	6,720	6,000	4,800
401080	WLL 8 T	8,000	6,400	16,000	11,200	8,000	5,600	4,000	11,200	8,960	8,000	6,400
401100	WLL 10 T	10,000	8,000	20,000	14,000	10,000	7,000	5,000	14,000	11,200	10,000	8,000
401200	WLL 12 T	12,000	9,600	24,000	16,800	12,000	8,400	6,000	16,800	13,440	12,000	9,600



CAUTIONS

- Do not exceed Working Load Limited
- Prevent shock-loading.
- When selecting a sling it is very important consider the angles at which the sling will be used.
- Sling are subject to cutting when lifting items with sharp edges. In this case always use wear sleeves.
- Do not use a damaged sling.
- Never drag a sling from underneath a load that is resting on it.
- Chemical active environments can effect the strength of slings.
- Operating temperature range: -40 °C to + 100 °C
- Inspect slings weekly or more frequently depending on sling use.
- Always store slings in a cool dry and dark place when they are not in use for prolonged periods.
- Always read and understand the operating instructions before us



CARGO LASHING

Made from polyester according to EN EN12195-2:2000

- Material: 100% high-strength polyester yarn
- Color: orange, blue, yellow, red, black
- Safety Factor: 2:1
- Cargo lashing is not allowed to use for lifting purposes!



PAWELL

CARGO LASHINGS

Item Code: 402###



Permissible Pulling Force (lc)

10t, two-piece system 402100



Fperm: 5,000 daN

Tensioning element: pressure ratchet



Fperm: 10,000 daN

Standard length: 10.0m, of which fixed end (FE): 0.7m

Connecting element (VE)

Part Number

Claw hook

402100-CH



J Hook, double

402100-JD



Flat Hook

402100-FH



Permissible Pulling Force (lc)

5t, two-piece system 402050



Fperm: 2,500 daN

Marked with 5 woven stripes



Fperm: 5,000 daN

Tensioning element pressure ratchet

Standard length: 8.0m, of which fixed end (FE): 0.5m

Connecting element (VE)

Part Number

Twisted snap hook

402050-TS



J Hook, double

402050-JD



J Hook, double with keeper

402050-JK



Claw hook

402050-CH





PAWELL

OVERHEAD CRANE SYSTEM

Single Girder Overhead Crane
Double Girder Overhead Crane
Underslung Travelling Crane



SINGLE GIRDER OVERHEAD CRANE

Capacity: up to 20 ton;

Span: up to 28.5m (depend on capacity)



Feature

- Advanced design, collection the advantages of industry's top brands.
- Safe & reliable, precise positioning, and efficient operations.
- Wideley used in varios application.
- High efficiency and make the most use of space.
- Core components imported, frequency control system as standard.
- Non-standard products can be designed.



DOUBLE GIRDER OVERHEAD CRANE

Capacity: up to 50 ton;

Span: up to 31.55m (depend on capacity)



Feature

- Advanced design, collection the advantages of industry's top brands.
- Safe & reliable, precise positioning, and efficient operations.
- Wideley used in varios application; Easy maintenance with maintenance platform.
- High efficiency and make the most use of space.
- Core components imported, frequency control system as standard.
- Non-standard products can be designed.



UNDERSLUNG TRAVELLING CRANE

Capacity: up to 5 ton;

Span: up to 18m (depend on capacity)



Feature

- Advanced design, collection the advantages of industry's top brands.
- Safe & reliable, precise positioning, and efficient operations.
- Crane rails can install on the embedded parts or ceilings.
- Best opertion for difficult or closed plant conditions.
- Core components imported, frequency control system as standard.
- Non-standard products can be designed.



SINGLE GIRDER OVERHEAD CRANE

Capacity: up to 20 ton;

Span: up to 28.5m (depend on capacity)

PAWELL single girder cranes ensure efficient material handling even where very little space is available in production halls or warehouses. PAWELL single girder travelling cranes are available with rolled section or box girders. Each model is available in different girder connection versions to allow a space-saving configuration and an optimised highest hook position.

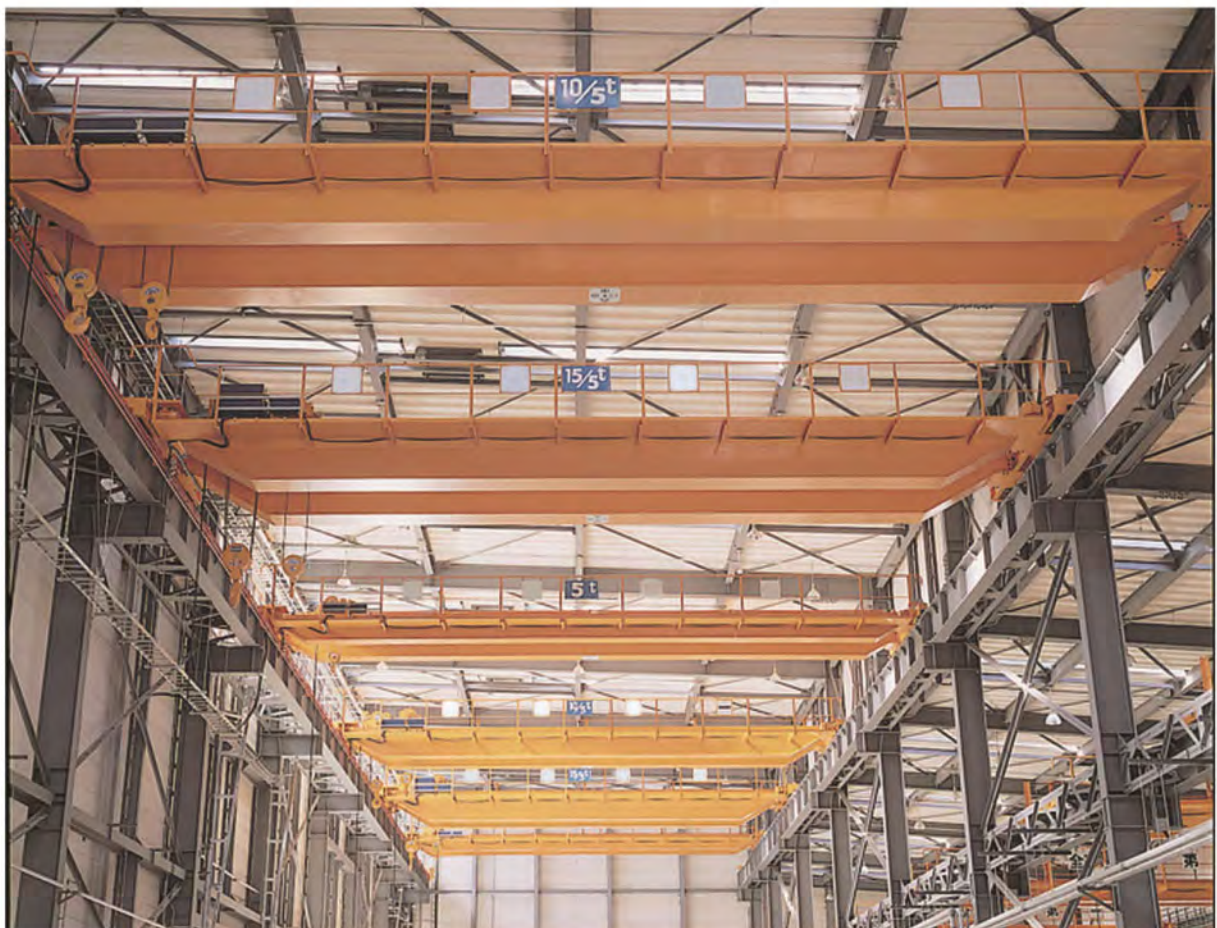


DOUBLE GIRDER OVERHEAD CRANE

Capacity: up to 50 ton;

Span: up to 31.55m (depend on capacity)

PAWELL double girder travelling cranes offer the highest possible load capacity, up to 50 ton. They are available with rolled section or box girders and feature the versatility needed for special requirements. For example, higher crane travel speeds, maintenance walkways, trolleys with service platforms and auxiliary hoists are all features which can easily be implemented





UNDERSLUNG TRAVELLING CRANE

Capacity: up to 5 ton;

Span: up to 18m (depend on capacity)

PAWELL underslung travelling cranes are installed on ceiling mounted tracks rather than free standing or building columns.

Advantageous side approach dimensions allow the optimum use of the entire width of the production.



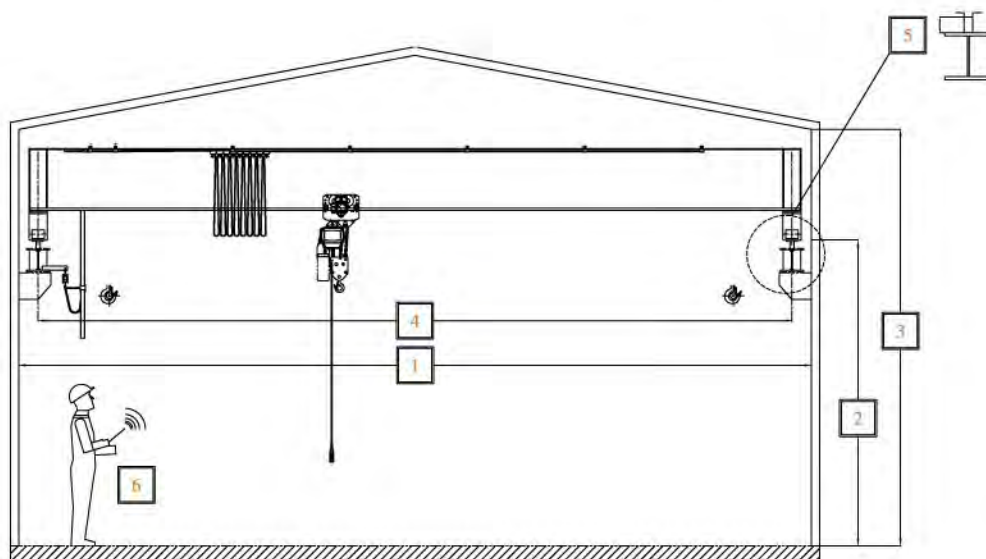
THE FIRST STEP TO YOUR OVERHEAD TRAVELLING CRANE

Company: _____	Postcode/place: _____
Name: _____	Phone/extension: _____
PO Box/address: _____	Fax no.: _____

DETAILS OF OVERHEAD TRAVELLING CRANE REQUIRED

Type/load capacity

Single girder overhead travelling crane _____ kg	Double girder overhead travelling crane _____ kg	Underslung overhead travelling crane _____ kg	Hoisting mechanism ☐ Chain Hoist / ☐ Wire Rope Hoist Power supply (380V/50HZ or _____) Control voltage (36V or _____) Duty Group (M3 or _____)
---	---	--	--



Building data:

1. Clear width inside hall	_____ mm
2. Finished floor level to top of crane track	_____ mm
3. Height to lowest obstruction	_____ mm
4. Span	_____ mm
Crane track length	_____ m

5. Crane track required (to be installed on existing supports):

Crane track length	_____ m
Support spacing	_____ m

6. Control:	☐ By Pendant switch	☐ By remote control	☐ By control cabinet
-------------	--	--	---

PAWELL

JIB CRANE SYTEM

Column Type JIB Crane

Wall Type JIB Crane





COLUMN TYPE JIB CRANE

Capacity: up to 5 ton;

Span: up to 7m (depend on capacity)

Feature

- Advanced design, collection the advantages of industry's top brands.
- Safe & reliable, precise positioning, and efficient operations.
- Core components imported, frequency control system as standard.
- Slewing range 360°, Non-standard products can be designed.
- Electrical rotation or manual rotation, trolley driven by electrical or manual as optional.
- Steel rails and aluminum rails can be a option for beam.



COLUMN TYPE JIB CRANE

Capacity: up to 2 ton;

Span: up to 6m (depend on capacity)

Feature

- Advanced design, collection the advantages of industry's top brands.
- Safe & reliable, precise positioning, and efficient operations.
- Core components imported, frequency control system as standard.
- Slewing range 270°, Non-standard products can be designed.
- Electrical rotation or manual rotation, trolley driven by electrical or manual as optional.
- Steel rails and aluminum rails can be a option for beam.



WALL TYPE JIB CRANE

Capacity: up to 2 ton;

Span: up to 6m (depend on capacity)

Feature

- Advanced design, collection the advantages of industry's top brands.
- Safe & reliable, precise positioning, and efficient operations.
- Core components imported, frequency control system as standard.
- Slewing range 180°, Non-standard products can be designed.
- Electrical rotation or manual rotation, trolley driven by electrical or manual as optional.
- High efficiency and make the most use of factory space.

PAWELL JIB CRANE SYTEM

PAWELL JIB crane system include colourmn type JIB crane and Wall type JIB crane.

Both two types can operated by electrials or manuals.

Column jib crane is PAWELL convenient material hadling solution. It can be installed and used under the overhead crane, or in an open area to cover multiple stations simultaneously; or installed in machining or assembly station to complete the stage operation with other type crane systems.



The Advantages of Pawell JIB Cranne

Easy opertion

- Accurate orientation, highly-efficient operation.
- Top Shaft configuration precision tapered roller bearings and ball assembly , providing guarantee for smooth operation and long service life.
- Stiffeners on base plate minimize the deflection of the crane, make easier operation the precise positioning load, and Disperss ground forces point.

Easy Installation

- Independent support assembly and spiral arms are installed separately.
- The embedded bearing assembly is significantly reduced the required installation space.
- Spiral arms can be installed very closed the plant ceiling or the below of top barrier, It maxiumum use the space and increase hoist lift.
- Hoist trolley stop are bolt fixed, its position are changed according the requirments.

Security

- Top postioing pins prevent the support assembly accidental movement upwardly.

Full load operation

- We considering 25% rated load for impact load , 15% rated load are considering for the lifting mechanism during design.
- Our JIB crane can full load operating.

THE FIRST STEP TO YOUR PAWELL JIB CRANE

Company:

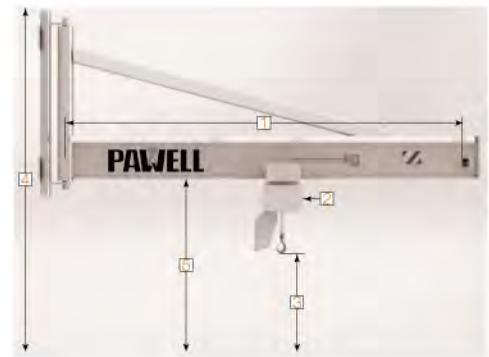
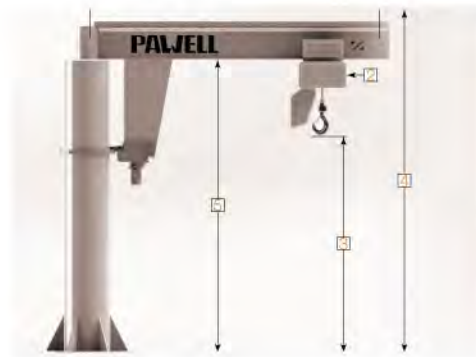
Postcode/place:

Name:

Phone/extension:

PQ Box/address:

Fax no.:



Column Type JIB Crane

1. JIB length	mm
2. Capacity	kg
3. Highest hook position	mm
4. Clear building height	mm
5. Height of lower edge of JIB	mm

Type of mounting required: (please tick as appropriate)

☐ on foundation with anchor bolts ☐ on reinforced concrete ceiling ☐ on reinforced concrete floor plate

Wall Type JIB Crane

1. JIB length	mm
2. Capacity	kg
3. Highest hook position	mm
4. Clear building height	mm
5. Height of lower edge of JIB	mm

Type of mounting required: (please tick as appropriate)

☐ on steel support ☐ on reinforced concrete support ☐ on reinforced concrete wall

Slewing Gear

☐ push-pull ☐ powered

Trolley

☐ push-pull ☐ powered

PAWELL LIGHTWEIGHT MOBILE GANTRY

PAWELL lightweight mobile gantry have two structural forms height adjustable type and fixed height type (standard). It is a cost-effective material handling solution.

This crane uses a vertical tube, inclined support and bottom channel crossbar as the main structure, to achieve a stable materials lifting and handling.



Feature

- For loads up to 3000 kg; span up to 6m, height up to 5 meter.
- Wear-resistant polyurethane wheels; Small rolling resistance, easy to move; safe and reliable.
- Modularized design, Beam and column bolted connection, easy instalation.
- This portal frame can be equipped with manual or electrical hoist.



THE FIRST STEP TO YOUR LIGHTWEIGHT MOBILE GANTRY

Company:

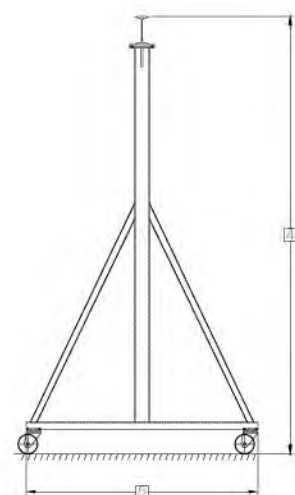
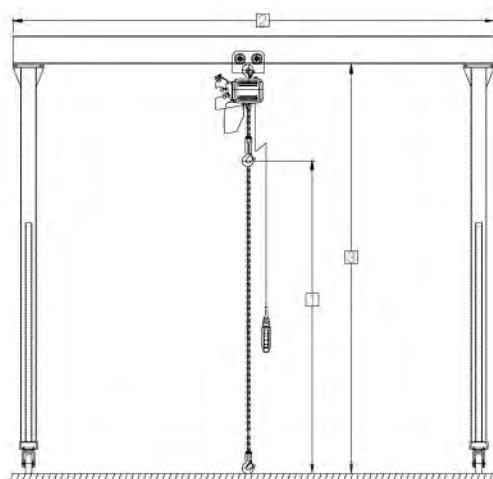
Postcode/place:

Name:

Phone/extension:

PO Box/address:

Fax no.:



Model Selection

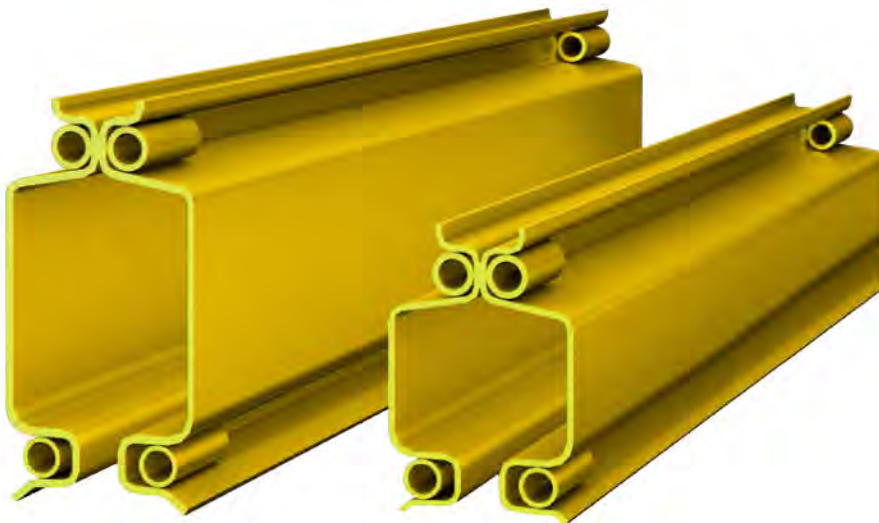
Structure Form		☐ height adjustable	☐ height fixed
Drive Type	Lift (up, down) by	☐ electrical	☐ manual
	Travel (Left, right) by	☐ electrical	☐ manual
Rail Type		☐ I beam	☐ special rails

Technical Parameters

Capacity:	kg
Lifting height (1):	mm
Span (2):	mm
Height under the beam (3):	mm
Total height (4):	mm
Width (5):	mm

PAWELL PKS CRANE HANDLING SYSTEM

Load capacity: Up to 2000 kg



PKS Crane Handling system can be deployed as flexibly as the individuality of your requirements. This modular system makes it possible to have many different solutions for an ergonomic and efficient working procedure, and is specially adapted to our range of chain hoists.



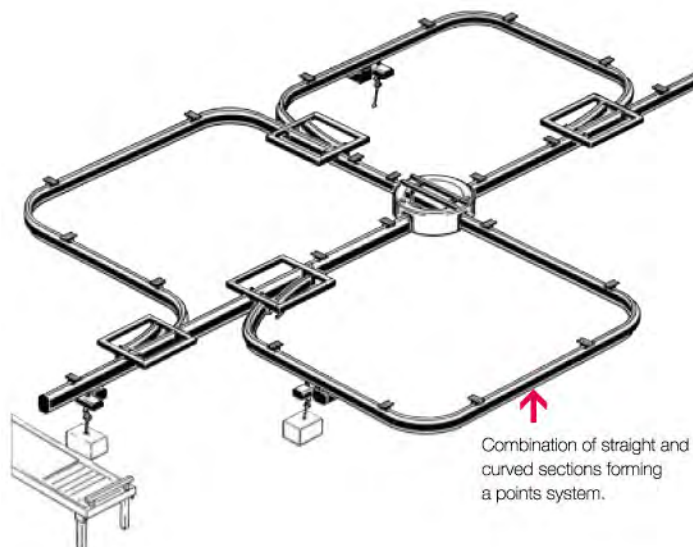
Modern trolleys with nylon wheels

For smooth, quiet load movements, trolleys with narrow nylon wheels are used which are mounted and secured on ball bearings. Depending on the profile thickness, the trolleys are self-centering or equipped with guide rollers which provide perfect horizontal guidance, even on bends. Because of the modular design, manual trolleys can be combined with electric trolleys at a later date. It is even possible to combine different profile sizes.



Modular system

With 2 profile variants, PKS Crane Handling system provides you with load-bearing capacity of up to 2,000 kg. The precise workmanship of the PKS profiles and guide elements makes installation easier, and ensures that the profiles are accurately aligned. Single or double girder cranes, monorail and circular tracks and sophisticated solutions with combinations of straight sections, bends, points and turntables can be quickly implemented.



PAWELL PKS CRANE HANDLING SYSTEM

Load capacity: Up to 2000 kg



Feature

- Closed PKS profiles made from high-strength quality steel with powder coating
- Modular design, easy installation
- 2 sizes for loads up to 2,000 kg
- Different profiles can be combined
- Monorails, single or double girder cranes
- Oscillating mounting
- Ball-jointed mountings reduce horizontal force on the supporting structure
- Mountings available in different designs and widths
- Bolted connections, no welding required
- Large spans
- Push-type trolleys for quiet operation
- Low wear and low abrasion due to use of modern nylon wheels
- No limit to maximum distance between suspension and butt joint needed up to a load of 1,000 kg!



Options

- Electric drives with pole changing or infinitely variable
- Wide range of different mountings
- 4 different power supplies available, external or internal
- Freestanding steel gantries
- Hot-dip galvanised profiles for special ambient conditions



PKS Profiles Technical Parameters

■ Standard

Type	Load-bearing capacity up to (kg)	Dimensions (mm)	Weight (kg/m)	Straight profiles	Bends up to 90°	Track switches	Integrated conductor line
PKS30	2000	120 x 180	19.11	■	■		
PKS40	2000	124 x 245	28.88	■	■	■	■



PAWELL MACHINERY MANUFACTURING INC.

292 W Clifton ST, Tampa, FL 33614 USA

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