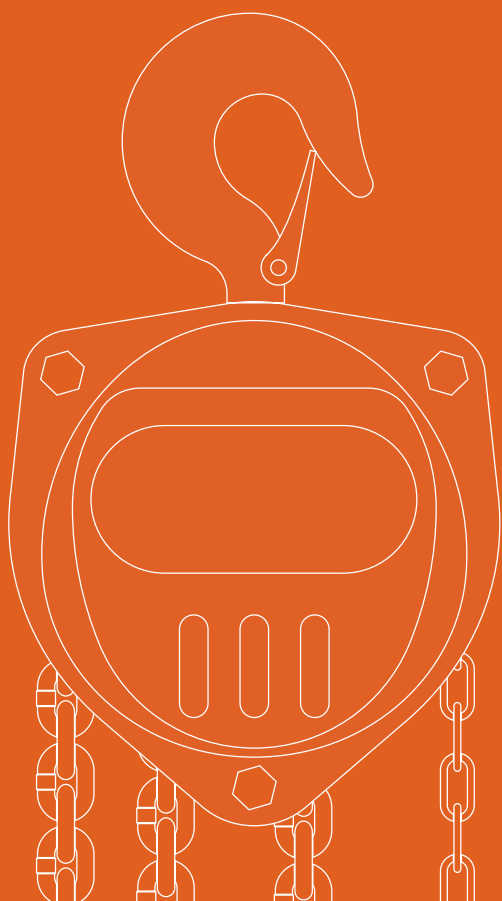


Hoist Products



4

Chain Block

Heavy duty chain blocks suitable for many applications in the industrial, rural, construction and mining industries

Features

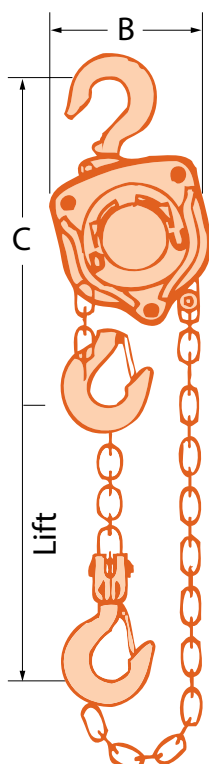
- Designed for long term use providing the lowest possible per-use cost.
- Quality caged needle bearings on load sheave and thrust bearings on the bottom hook.
- Hardened special alloy steel load chain with embossed identification marked as to relevant standards.
- Vital have been manufacturing chain blocks since 1933 and is recognised globally.
- Fitted with Grade 100 load chain.

Applications

The chain block is commonly used in the construction, industrial, mining, rural and automotive industries. An economical method to lift very heavy loads with ease.

Coupled to Trolleys

Vital Chain Blocks can be coupled to trolleys to reduce headroom



Rated Capacity (tonnes)	Standard Lift (m)	Pull to Lift Load (kg)	Net Weight (kg)	B (mm)	C (mm)
0.5	3	25	8.6	144	305
1.0	3	33	11.5	157	345
1.5	3	34	13.8	174	370
2.0	3	34	21.6	204	425
3.0	3	35	23	206	505
5.0	3	39	41	263	635
7.5	3	41	60.5	345	740
10	3	41	78	367	760
15	3	41x2	150	745	850
20	3	41x2	190	873	870

**Chain Blocks with customised lift heights also available*

Lever Block

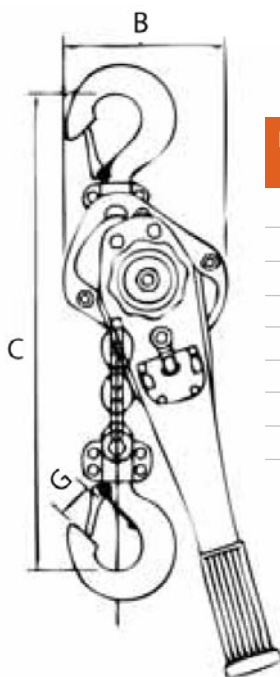
Heavy duty lever blocks are extremely sturdy, highly versatile, suitable for a multitude of lifting, pulling, tensioning and securing applications. Used extensively in shipbuilding, mining, forestry, power transmission, construction etc.

Features

- One touch operation for free chain adjustment.
- Unique bottom hook prevents slipping and ensures safe operation.
- Hardened special alloy steel load chain with embossed identification mark to relevant standards.
- Fitted with Grade 100 load chain.

Applications

The lever block is commonly used for lifting, pulling, tensioning and securing loads. Frequently used in the mining, shipbuilding, forestry and construction industries.



Rated Capacity (tonnes)	Standard Lift (m)	Pull to Lift Load (kg)	Net Weight (kg)	B (mm)	C Headroom (mm)	No. of Falls
0.25	1.0	30	1.9	65	230	1
0.5	1.5	34	3.5	82	260	1
0.8	1.5	21	6.0	119	295	1
1	1.5	23	7.2	126	325	1
1.6	1.5	27	9.8	146	350	1
3.2	1.5	38	16.6	180	425	1
6.3	1.5	39	27.0	243	565	2
9.0	1.5	40	47.3	318	680	3

**Lever Blocks with customised lift heights also available*

Hitachi Electric Chain Hoists

Hitachi's reputation for excellence in design, quality, reliability and performance has made the brand a market leader. With three decades of proven reliability throughout Australasia, tested in the widest ranges of operating challenges & three model options from 250kg to 15 tonne capacities, three phase or single phase, 2 speed or single speed Hitachi Electric Chain Hoists are suited to most applications.

Features

- Operation: Fully contactorised using high rated contactors. Standard pendant with mechanical interlock at buttons. 24 volt control. Optional IP65 pendant including E stop available.
- Safety Limits: Full current and shunt limit switches operate in both directions of hook travel.
- Braking: Electro-magnetic, self adjusting disc brakes and additional auxillary centrifugal brake system on 'F' models.
- Enclosure: Totally enclosed design. Entire mechanism including the motor, dual brake system, gears, rotating parts and electrical system can be operated under severe conditions.
- Chain Bucket: Noiseless design with flexible mounting.
- Grade 80 zinc plated load chain supplied as standard.
- Overload Limiter: Feature exclusive to the Hitachi range and boasts a far more superior overload protection device than the slipping clutch method. Available on all Hitachi models.
- IP54 Rating on all electric hoists and trolleys.
- Motor thermal protection on all Hitachi Hoists.
- Reverse phase protection relay on all models excluding 250kg & 500kg and single phase models.
- Special low headroom Hoist and trolley arrangements to cater for tight headroom applications.



Dimensions and Specifications

Three Phase/Single Speed Hoists

MODEL		¼ S	½ S	1S	2S	1F	2F	3F	5F
Rated Capacity	kg	250	500	1000	2000	1000	2000	3000	5000
Speed	m/min	10	7.2	4.6	2.3	7.1	6.8	4.1	2.8
Motor	kW	0.45	0.63	0.8	0.8	1.3	2.4	2.4	2.4
Weight	kg	28	31	37	49	42	80	99	121
Headroom	mm	450	450	530	645	535	660	820	1020

Three Phase/Two Speed Hoists

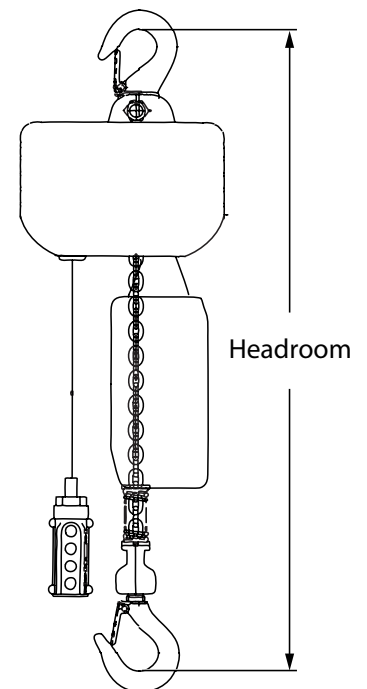
MODEL		¼ S	½ S	1SN	2SN	2FN	3FN	5FN
Rated Capacity	kg	250	500	1000	2000	2000	3000	5000
Speed	m/min	7.2/1.8	7.2/1.8	4.6/1.2	2.3/0.6	6.8/1.7	4.0/1.0	2.8/0.7
Motor	kW	0.32/0.08	0.63/0.16	0.8/0.2	0.8/0.2	2.4/0.6	2.4/0.6	2.4/0.6
Weight	kg	33	36	42	54	96	112	146
Headroom	mm	450	450	530	645	660	820	1020

Single Phase/Single Speed Hoists

MODEL		¼ S1	½ S1	1S1	2S1
Rated Capacity	kg	250	500	1000	2000
Speed	m/min	5	3.6	2.3	1.1
Motor	kW	0.25	0.32	0.4	0.4
Weight	kg	33	34	39	51
Headroom	mm	450	450	530	645

Three Phase/Single and Two Speed Trolleys

MODEL		1ET	2ET	3ET	5ET
Rated Capacity	kg	1000	2000	3000	5000
ET Speed	m/min	Standard	ETS 10.5 or 21.0		
ETN Speed	m/min	Two Speed	ETN 21.0/5.3		
Motor	kW	0.14	0.14	0.30	0.30
Weight	kg	33	34	39	51
Min. Radius	m	1.5	1.8	2.0	3.0
Girder Width	mm	75-125	100-150	100-150	125-175



Pacific Porta Hoist

Pacific Porta Hoists are compact, portable 240 volt single phase Electric Chain Hoists. Being lightweight, Porta Hoists conveniently fit in their own durable travel case making them the ideal portable solution for safely lifting, lowering and handling loads up to 500kg.

Features

- Four models, PPH080 with 80kg capacity, PPH125 with 125kg capacity, PPH240 with 250kg capacity and PPH500 with 500kg capacity.
- IP54 protection rating.
- 18 volt DC control voltage for safe operation.
- Overload protection clutch prevents damage caused by overloading.
- IP65 pendant with dual speed and Variable low speed control including emergency stop.
- Standard 6 metre height of lift with 5 metre pendant control, chain bucket and 3 metre power cord.
- Upper and lower electrical limit switches.



MODEL		PPH080	PPH125	PPH240	PPH500
Rated Capacity	kg	80	125	250	500
Height of Lift	m	6	6	6	6
Pendant Length	m	5	5	5	5
Power Supply volt		240	240	240	240
IP Rating		54	54	54	54
Hoisting Speed m/min	low	0~4.8	0~3.2	0~3.2	0~1.6
	high	18	12.5	12.5	6.3
Weight	kg	17.5	17.5	17.5	21.5
No. of falls		1	1	1	2

**Additional height of lift available upon request - Please note this will vary the size and weight of hoist and may not fit in carry case*

Pacific Compact Electric Rope Hoist

Designed for use on building sites and multi-storey units. Compact electric rope hoists are also suitable for a wide range of applications in warehouses, storage areas, factories, etc.

Features

- Lightweight and compact design allowing for easy installation.
- Automatic upper limit switch, when rope disc touches the limit arm, hoisting is automatically stopped.
- Lower overwind limit switch.
- Dynamic and mechanical brake providing instant and safe braking.
- Convenient 240volt/single phase power supply.
- Sensor arm automatically stops motor if the wire rope is under-wound.
- Supplied with 5 mt power lead and industry plug & 10m heavy duty IP65 waterproof pendant control.
- Wire rope with 360° weighted hook with safety latch.
- Optional mounting arm CRH-0710.
- Optional push trolley mount CRH-0720.

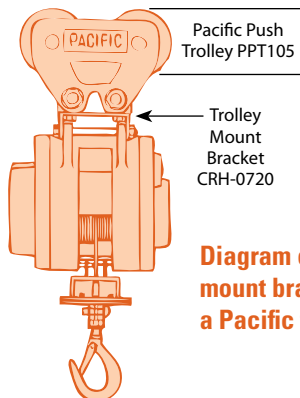


Diagram of optional trolley mount bracket attached to a Pacific twin push trolley

MODEL		CWS-80	CSW-160	CWS-230
Rated Capacity	kg	80	160	230
Motor	kW	0.8	1.2	1.3
Power Supply		240 Volt 1ø 50 Hz		
Lifting Height	m	35	40	24
Wire Rope	ømmxm	3.3x36	4x41	5x25
Net weight	kg	9	14	15

JDN Air Hoist

J.D. Neuhaus had been manufacturing lifting equipment since 1745. JDN air hoists are safe and cost efficient, providing methods of pulling, lifting or lowering above or below ground.

Features

- Manufactured in Germany under strict quality control with demanding tolerances.
- Low maintenance design.
- 100% duty cycle suits all environmental conditions.
- Only six atmospheres of compressed air required.
- Immune to dust, mud, dirt, grit, heat, vapours, humidity and temperatures ranging from -20 °C up to + 70 °C.
- ATEX Approved models for use in dangerous and explosive environments.
- Self-cooling economic air motor that will not overheat.
- Fail safe brake in case of air supply failure.
- Low decibel rating.
- Sensitive infinitely variable speed control for precise positioning of loads.
- Ideal for use in mines, chemical plants paint shops.



MODEL		0.5Ti	1Ti	2Ti	3Ti	6Ti	10Ti	16Ti	20Ti
Rated Capacity	kg	0.5	1	2	3.2	6.3	10	16	20
Weight at standard 3m	kg	27	28	34	86	110	156	240	298
Motor Output	kW	1.0	1.0	1.0	3.5	3.5	3.5	3.5	2.5
Air Pressure	bar	6	6	6	6	6	6	6	6
Air consumption at full load	Lifting	1.2	1.2	1.2	3.2	3.2	3.2	3.2	2.9
	Lowering	1.5	1.5	1.5	3.8	3.8	3.8	3.8	3.7
Air Connection		G½	G½	G½	G¾	G¾	G¾	G¾	G¾
Lifting speed at full load	m/min	11	5.5	2.7	5	2.5	1.6	1.0	0.55
Lowering speed at full load	m/min	17	11	5.5	10.8	5.4	3.4	2.1	1.4

* Profi Range up to 100 tonne. Custom lift heights also available. Weight and headroom based on Profi standard model with rope control and no chain bucket.

Pacific Brake Hand Winches

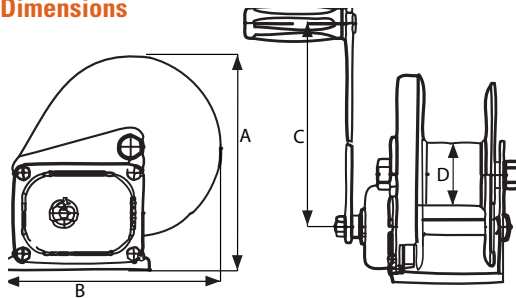
The cost-effective solution for a wide variety of applications. Pacific Brake Hand Winches can be used for both pulling and lifting applications.

Features

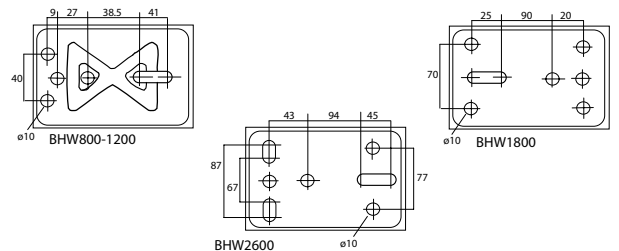
- Positive Weston-style brake will hold the load in any position.
- Compact, lightweight and rugged construction.
- Mechanical components enclosed for protection and safety.
- Baked enamel or G304 Stainless Steel for corrosion protection.
- Rope to drum fixing clamp provided.
- Heat-treated gears.
- Strong removable handles.
- High precision construction minimises gear noise.
- AS1418.2 Compliance applies when correctly fitted with approved Wire Rope and Fittings.
- Noiseless BHW1200 available.
- Worm drive version available.



Dimensions



Hole Alignment



MODEL	BHW800	BHW1200	BHW1800	BHW2600	SF2200	HW1500	
Capacity Pull-Lift	kg	370-180	545-270	820-410	1200-600	1700-850	680
Hand Force Required	kg	14.5	15	22	19	16	4.5
Gear Ratio		4.1:1	4.1:1	5.1	10.1	22.2:1	41:1
Unit Height	A mm	160	160	204	217	214	161
Unit Length	B mm	150	190	245	295	238	173
Handle Length	C mm	160	210	320	320	300	195
Hub Diameter	D mm	ø40	ø50	ø70	ø80	ø60	ø48
Base Plate	wxl mm	89x138	89x138	107x193	127x270	283x223	153x130
Unit Weight	kg	3	3.3	8	10.3	13.5	4.9
Wire Rope	ømmxm	ø4x36	ø5x23	ø7x24	ø8x18	ø8	ø4
Finish - Powder Coated		✓	✓	✓	✓	✓	✓
Finish - Stainless Steel		-	✓	✓	✓	-	-
Finish - Noiseless		-	✓	-	-	-	-

Pacific 12 & 24 Volt DC Winches

Pacific DC Winches are heavy duty, and ideal for installation in small trucks and utilities to eliminate the need for manual lifting.

Features

- Compact, powerful and robust.
- Corrosion resistant.
- 12 or 24 Volt options.
- Strong robust mechanical brake.
- Over-current protection.
- Strong base for horizontal mounting.
- Remote pendant control - 4.4m length.
- Weighted hook on DH500 models.
- Galvanised wire rope.

Applications

- Pulling objects onto trailers
- Raising tail gates on trailers and horse floats
- Great for use on boat ramps
- Truck mounted jib crane installation



MODEL	DH120	DH120A	DH300	DH300A	DH500	DH500A
Related Capacity	120	120	300	300	500	500
Voltage DC	12v	24v	12v	24v	12v	24v
No Load Amp	7	4	10	5	15	12
Full Load Amp	20	10	40	18	50	30
V	20 x 10	20 x 10	40 x 18	40 x 18	50 x 30	50 x 30
Speed	5	5	5	5	4	4
Gear Ratio	56:1	56:1	240:1	240:1	276:1	276:1
Wire Rope	4 x 5	4 x 5	4.8 x 12	4.8 x 12	6.2 x 12	6.2 x 12
Weight	17	17	27	27	27	27

*Duty Cycle = 25% ED and max frequency of 60 times per hour

** Circuit breakers supplied with all models

Pacific Electric Winches

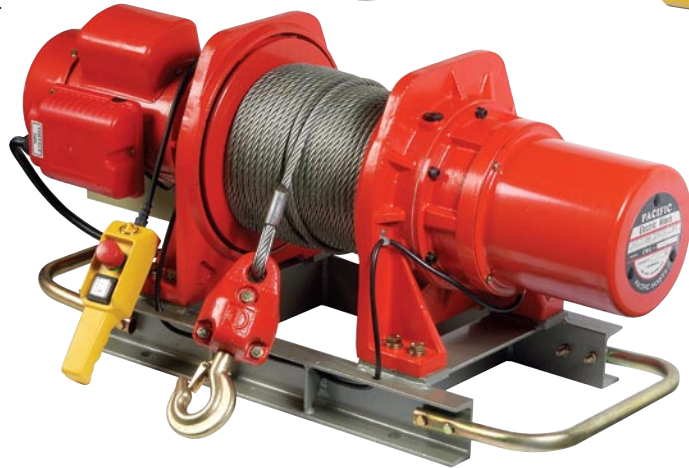
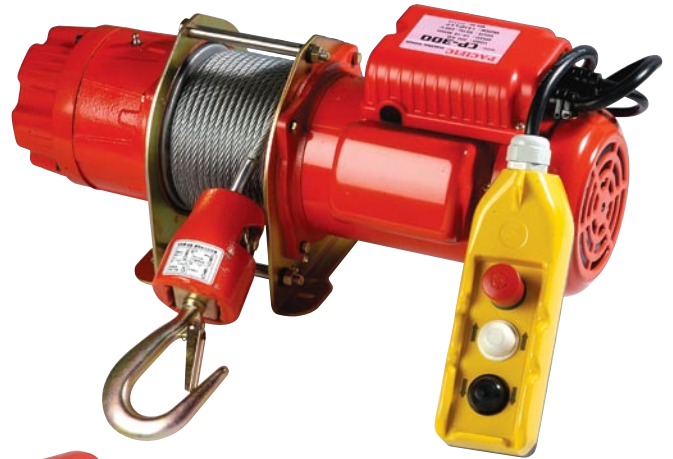
Precision-engineered, heavy duty construction and available in a range of single and three-phase models suitable for a range of hoisting and pulling applications.

Features

- High performance with low maintenance
- Brakes designed for both static and dynamic loading that automatically apply in the event of power loss
- IP65 Pendant control
- 24 volt push-button control supplied as standard on threephase models.
- Compact load-sharing design of the heat-treated planetary gear ensures quiet operation and long life.
- Lightweight and compact, CWL series electric winches are ideal for portable use.

Applications

- Designed hoisting applications
- Hauling operations
- Construction sites
- Timber yards
- Elevator & rigging industry



Model (tonnes)	Lift Capacity (kg)	Speed (m/min)	Phase Voltage	Wire Rope (ømm x m)	Weight (kg)
CWL-200	200	16	240 x 1	6 x 30	16
CWL-200L	200	16	240 x 1	5 x 71	19
CP-200	200	10-15	240 x 1	6 x 30	32
CP-250	250	10-15	240 x 1	6 x 30	34
CP-300	300	10-15	240 x 1	6 x 30	37
CWG-10077	300	12-17	240 x 1	7 x 40	44
CWG-30075	300	10-15	415 x 3	6 x 30	120
CWG-10151	400	12-18	240 x 1	9 x 60	34
CWG-30151	500	12-18	415 x 3	9 x 60	120
CWG-30265	650	12-18	415 x 3	9 x 60	160
CWG-30375	900	13-20.6	415 x 3	10 x 60	220
CWG-30565	1100	14-25	415 x 3	12 x 100	290
CWG-30750	2200	7-12	415 x 3	16 x 100	450
CWG-31500	3500	6 .3-8	415 x 3	18 x 120	860
CWG-34000	5000	8-11.2	415 x 3	22.4 x 150	1500