

Hs-s Type(super Quality)

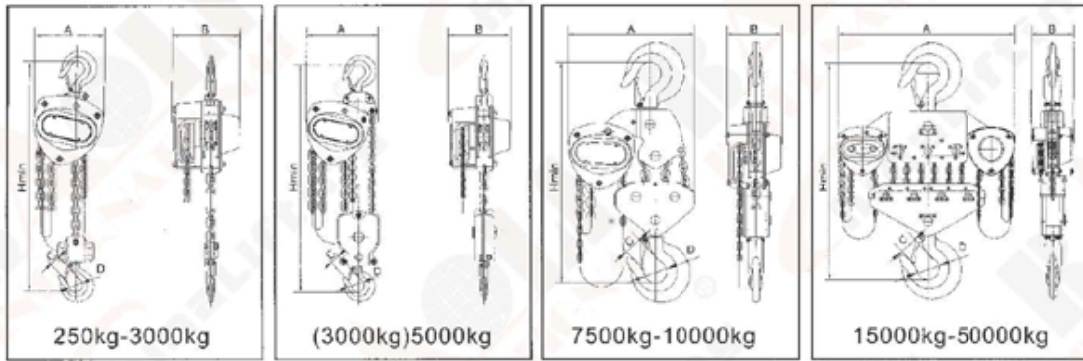


- Adoping the double-pawl braking ensures the chain block for safe and reliable operation
- The hoisting sprocket made of alloy steel with precision machine has been got well heat-treatment. It matches with chain very well so that the wear is decreased and the operating life increased.
- The rolling bearings with international general standard are fitted at the ends of the hoisting sprocket, with high transmission efficiency, small pulling force and easy maintenance.



Test

TEST PLATFORM
FOR HOIST UP 7.5T



Item No.		1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043
Capacity(kg)		250	500	1000	1500	2000	3000	3000	5000	7500	10000	15000	20000	30000	50000
Standard lift(m)		3	3	3	3	3	3	3	3	3	3	3	3	3	3
No.of load chain falls		1	1	1	1	1	1	2	2	3	4	6	8	12	20
LoadChainDia.	mm	4x12	6x18	6x18	8x24	8x24	10x30	8x24	10x30	10x30	10x30	10x30	10x30	10x30	10x30
Effort Required to lift Max.load(N)		235	249	284	380	343	372	343	372	368	382	378	382	398	475x2
Dimension (mm)	A(mm)	120	146	161	182	202	255	230	250	430	460	718	840	870	746
	B(mm)	114	138	154	176	177	205	176	189	189	189	189	189	455	660
	C(mm)	21	23	27	33	35	39	39	45	47	59	70	80	85	110
	D(mm)	31	35	40	45	50	55	55	65	67	85	95	106	110	128
	Hmin(mm)	280	350	383	442	485	554	565	688	760	780	950	970	1400	2480



FEATURES OF HS-S TYPE CHAIN BLOCK

Gear Case and Hand Wheel Cover Resistant to External Shocks :

Sides to the hoist are covered by a steel plate gear case, processed with highest level technology, and by a strengthened wheel cover. They have an ideal shape and rigidity to maintain bearing alignment and withstand external shock.



Curved entry for hand chain to prevent jamming

Double Enclosure to Keep Out Rain Water and Dust :

The braking mechanism, one of the components that make up the heart of the hoist, is enclosed in a double cover, the wheel and brake covers. These protective covers not only keep out weather elements but also help to prevent mud and dust from entering internal mechanisms.

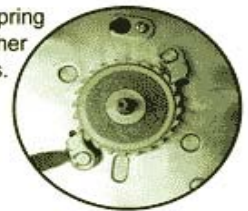
Ball Bearing Mechanism to Increase Mechanical Efficiency :

Use of ball bearing leads to remarkably increase mechanical efficiency and produces high output power with minimum manual input.



Double Pawl Spring Mechanism to Further Increase Safety :

In case one pawl spring is damaged, the other maintains functions. This mechanism further increases safety.



Asbestos-Free Friction Disc and Reliable Braking Functions

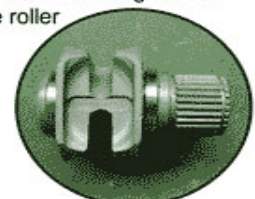
and Reliable Braking Functions (Mechanical Brake) :

HS-S type's braking mechanism, which has a strong braking power, works instantly when operation is stopped and holds load securely. It maintains stability and little manual power is needed and smooth operation is always obtained, especially when load is being lowered.



Load Chain Guide Mechanism :

Chain guide mechanism in flanged load sheave and guide roller facilitate smooth movement of load chain.



High Precision Sprocket

Ultra Strong Load Chain :

Load chains are made of heat treated special steel alloy.



Hooks for Easy Work :

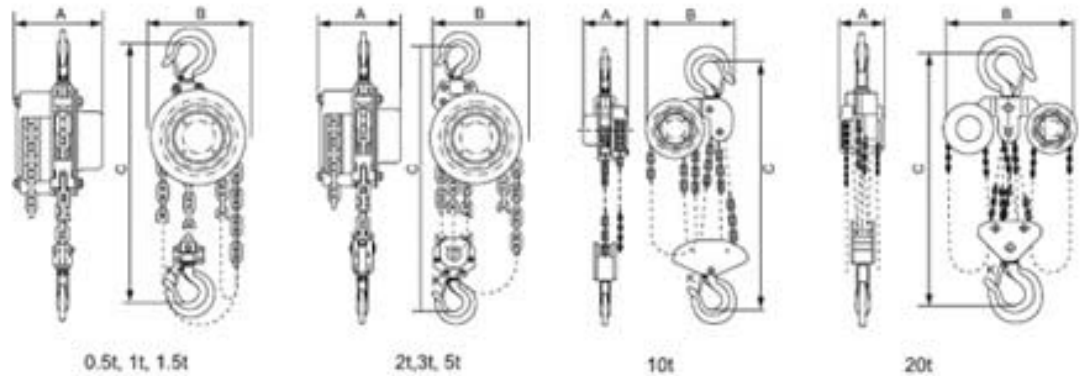
Specially heat treated top and bottom hooks have enough strength and toughness for even hard job.

Option: Overload Protection Device Available

When lifting more than 125% rated capacity load, the lifting will be stopped automatically



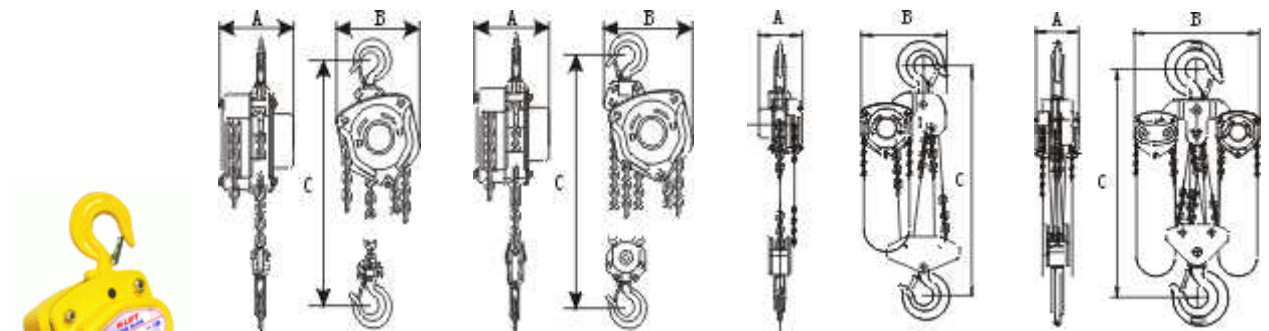
CHAIN HOIST CH-A TYPE



Model	CHA005	CHA010	CHA015	CHA020	CHA030	CHA050	CHA100	CHA200
Capacity (ton)	0.5	1	1.5	2	3	5	10	20
Standard Lift (m)	2.5	2.5	2.5	3	3	3	3	3
Running Test Load (kN)	7.5	15	22.5	30	45	75	150	250
Headroom(Drawn close up) Hmin (mm)	240	270	347	380	470	600	700	1000
Effort required to lift max. load (N)	221	304	343	314	343	381	392	392
No. of Falls of Load Chain	1	1	1	2	2	2	4	8
Load Chain Diameter (mm)	6	6	8	6	8	10	10	10
Dimensions (mm)	A	120	142	178	142	178	210	358
	B	108	122	139	122	139	162	162
	C	24	28	34	34	38	48	64
	D	120	142	178	142	178	210	210
Net Weight (kg)	8	10	16	14	24	36	68	155
Extra Weight per Meter Extra Lift (kg)	1.7	1.7	2.3	2.5	3.7	5.3	9.7	19.4

Remarks: Hoists with the lift in other lengths are also available.

CHAIN HOIST CH-B TYPE



0.5T, 1T, 2T

3T, 5T

10T

20T

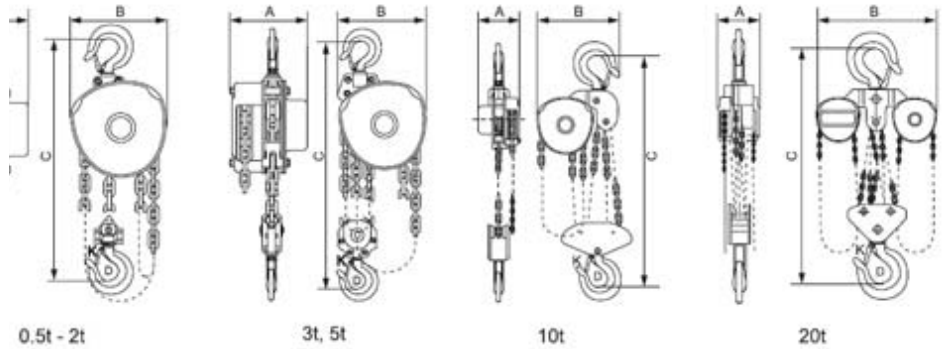
- Automatic double pawl braking system
- Lightweight robust construction
- Low effort to lift maximum load
- Fully forged hooks
- Fully machines lift wheel
- ISO high grade alloy load chain
- Zinc plated hand chain as standard
- Extra thick asbestos free friction discs
- Double cover protection
- Durable baked enamel paint protection
- Zinc plated RUD chain from Germany or FEC chain from Japan available upon request
- Overload protection device available upon request
- Complies with EC Council Directive 98/37/EC Machinery, AS 1418.2

Model	CHB005	CHB010	CHB015	CHB020	CHB030	CHB050	CHB100	CHB200	CHB300	CHB500	
Capacity (ton)	0.5	1	1.5	2	3	5	10	20	30	50	
Standard Lift (m)	2.5	2.5	2.5	3	3	3	3	3	3.5	5	
Running Test Load (Kn)	7.5	15	22.5	30	45	75	150	300	375	625	
Effort Required to Lift Max. Load (N)	231	309	320	360	340	414	414	828	828	828	
Headroom(Drawn close up) Hmin (mm)	270	317	399	414	465	636	798	890	1380	2578	
No. of Falls of Load Chain	1	1	1	1	2	2	4	8	12	24	
Load Chain Diameter (mm)	6	6	8	8	8	10	10	10	10	10	
Dimensions (mm)	A	131	140	161	161	161	186	207	215	350	406
	B	127	158	174	187	199	253	398	650	680	962
	C	270	317	399	414	465	636	798	890	1380	2578
	hook opening	30	28	36	33.5	40	50	64	85	85	130

Net Weight (kg)	10	12	19	20	27	45.5	83	193	268	1120
Extra Weight per Meter	1.7	1.7	2.3	2.3	3.7	5.6	9.7	19.4	28	54
Extra Lift (kg)										

Remarks: Hoists with the lift in other lengths are also available.

CHAIN HOIST CH-C TYPE

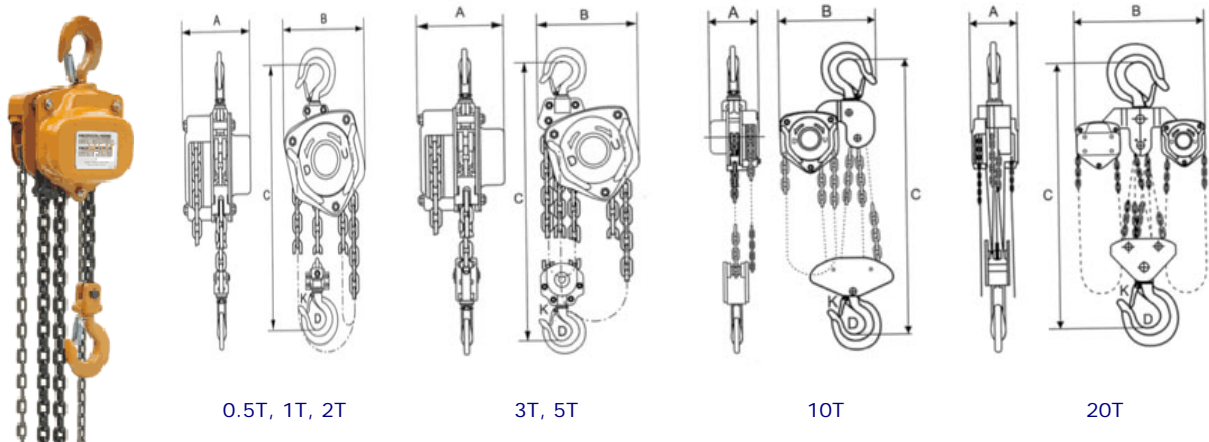


- Robust all steel construction, capacities from 500 kgs up to 20 tons.
- All rotating components mounted on roller of ball bearings to reduce friction and increase efficiency.
- Fully enclosed automatic load brake with asbestos free friction discs.
- Fully enclosed stamped steel housing allows also outdoor use.
- The drop forged suspension and load hooks that yield under overload instead of breaking are made from non-ageing, high tensile steel. The hooks are fitted with robust safety latches and are free to rotate 360 degrees.
- Two stage reduction gear. Hardened gears and pinions are roller bearing supported, thus increasing efficiency
- Hardened load sheave with four precision machined chain pockets. Roller bearings for smooth operation and low wear
- Hand chain cover and slots accurately guide the hand chain
- Two guide rollers and one chain stripper ensure accurate alignment of the load chain over the load sheave.
- G-80 zinc plated RUD chain from Germany or FEC chain from Japan available upon request.
- Overload protection device is available upon request, the device can be fitted at a later date without problem.
- TOOLIFT chain hoist is factory tested with overload. Test certificate is available with serial number and EC declaration of conformity.

Model	CHC005	CHC010	CHC015	CHC020	CHC020D	CHC030	CHC050	CHC100	CHC200
Capacity (ton)	0.5	1	1.5	2	2	3	5	10	20
Standard lift (m)	2.5	2.5	2.5	3	3	3	3	3	3
Running test load (Kn)	7.5	15	22.5	30	30	45	75	150	250
Effort required to lift max. load (N)	221	304	343	410	314	343	414	414	828
Headroom(Drawn close up)	255	306	368	368	444	486	616	750	1000

Hmin (mm)										
Number of chain strands	1	1	1	1	2	2	2	4	8	
Load chain diameter (mm)	6	6	8	8	6	8	10	10	10	
Hook opening (mm)	30	34	38	41	41	48	52	64	85	
Dimensions (mm)	A	113	126	141	141	126	141	163	163	191
	B	125	147	183	183	147	183	215	404.5	595
	C	255	306	368	368	444	486	616	750	1000
Net weight (kg)	8.5	11	18	18	15	27	42	83	193	
Extra weight per meter extra lift (kg)	1.7	1.7	2.3	2.3	2.5	3.7	5.3	9.7	19.4	

CHAIN HOIST CH-E TYPE

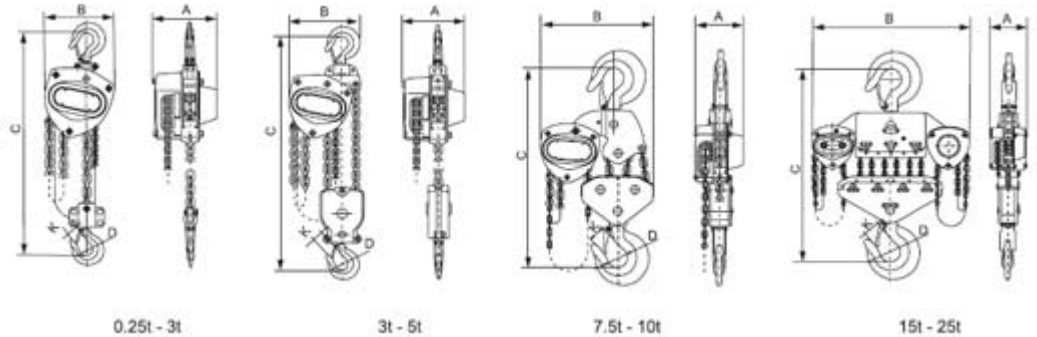


- Automatic double pawl braking system
- Lightweight robust construction
- Low effort to lift maximum load
- Fully forged hooks
- Fully machines lift wheel
- ISO high grade alloy load chain
- Zinc plated hand chain as standard
- Extra thick asbestos free friction discs
- Double cover protection
- Durable baked enamel paint protection
- Zinc plated RUD chain from Germany or FEC chain from Japan available upon request
- Overload protection device available upon request
- Complies with EC Council Directive 98/37/EC Machinery, AS 1418.2

Model	CHE005	CHE010	CHE015	CHE020	CHE030	CHE050	CHE100	CHE200
Capacity (ton)	0.5	1	1.5	2	3	5	10	20
Standard Lift (m)	2.5	2.5	2.5	3	3	3	3	3
Running Test Load (Kn)	7.5	15	22.5	30	45	75	150	250
Effort Required to Lift Max. Load (N)	231	309	320	360	340	414	414	828
Headroom(Drawn close up) Hmin (mm)	270	317	399	414	465	636	798	890
No. of Falls of Load Chain	1	1	1	1	2	2	4	8
Load Chain Diameter (mm)	6	6	8	8	8	10	10	10
Dimensions (mm)	A	131	140	161	161	161	186	207
	B	127	158	187	187	210	253	398
	C	270	317	399	414	465	636	798
	Hook opening	30	34	38	41	48	52	64
Net Weight (kg)	10	12	18.5	20	29	45.5	83	193
Extra Weight per Meter Extra Lift (kg)	1.7	1.7	2.3	2.3	3.7	5.6	9.7	19.4

Remarks: Hoists with the lift in other lengths are also available.

CHAIN HOIST CH-G TYPE



- Thick, pressed steel gear and hand wheel covers which are resistant to external shock and able to work under extreme and arduous conditions.
- Fully enclosed self-activating load brake with large asbestos-free friction discs for a long, trouble free life.
- Durable, heat-treated, compact and convenient hooks that swivel 360 degrees.
- Top and bottom hooks are drop-forged and are fracture-resistant. When overloaded they will open gradually as a safety indicator, Rather than reaching ultimate breaking strength and dropping the load, possibly causing injury or death.
- Double pawl mechanism for reliable fail-safe braking.

- Safety latches are fitted to top and bottom hooks as standard.
- Load chain guide mechanism and chain stripper to facilitate smooth movement and trouble-free operation.
- Chain stopper to prevent failure due to excessive lowering.
- World-renowned ultra-strong electroplated load chain to resist wear and corrosion.
- Overload protection device available upon request.
- Ideal for tough mining conditions and heavy industrial use.

Model	G025	G005	G100	G150	G200	G300	G300D	G500	G750	G1000	G1500	G2000	G2500
Capacity (ton)	0.25	0.5	1	1.5	2	3	3	5	7.5	10	15	20	25
Standard Lift (m)	2.5	2.5	2.5	2.5	2.5	3	3	3	3	3	3	3	3
Running Test Load (Kn)	3.75	7.5	15	22.5	30	45	45	75	112.5	150	225	250	312.5
Effort Required to Lift Max. Load (N)	235	240	250	265	335	372	290	360	368	382	378	382	387
Headroom(Drawn close up) Hmin (mm)	280	345	376	442	470	548	565	688	690	765	900	950	950
No. of Falls of Load Chain	1	1	1	1	1	1	2	2	3	4	6	8	10
Load Chain (mm)	4x12	5x15	6x18	7x21	8x24	10x30	7x21	10x30	10x30	10x30	10x30	10x30	10x30
Dimensions (mm)	A	114	132	151	173	175	205	176	189	189	189	189	200
	B	121	148	172	196	210	255	230	280	433	463	776	970
	C	280	345	376	442	470	548	565	688	690	765	900	980
	D	31	35	40	45	50	55	55	65	67	85	95	106
	K	21	23	27	33	35	39	39	45	47	54	70	82
Net Weight (kg)	6.2	11	12.5	17.8	19.5	35	29	41.3	62	78.5	135	190	215

Remarks: Hoists with the lift in other lengths are also available.

Air Hoist



Air hoist are globally no.1 pneumatic operated hoist on small and compact body provides easy

handling.

Features:

High speed operations to improve work efficiency Smooth and step less operations avail for precise works like jig setting. Air hoist, air motor realize safe working conditions against the work in the risk of explosion like the chemical factory. Air hoist are available in chain and wire rope type lifting capacity from 60 kg to 6000kg



Air Hoist are globally no.1 pneumatic operated hoist on small and compact body provides easy handling.

Mechanical Handling of Materials – Hoists (continued)

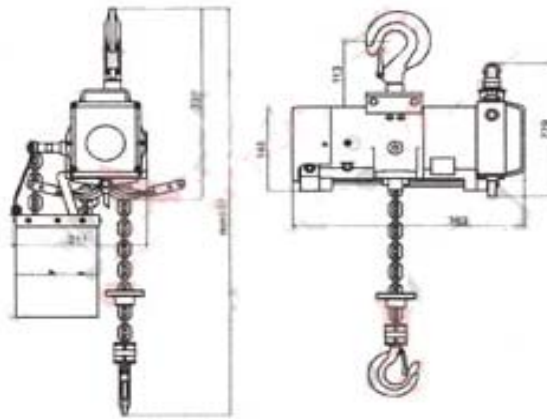
Air Hoist

- Sufficient air supply
- Positive hose connections
- Upper & lower limits
- Positive hook attachment to support
- Piston secured to rod (check when overhauled)

The diagram shows the internal components of an air hoist. Labels include: Gearing, Brake, Limit Lever, Vane Motor, Inlet Air Swivel, and Speed Adjustment Screws. A small inset image shows a yellow air hoist with a chain and hook.

Features:

High Speed operations to improve work efficiency Smooth and stepless operations avail for precise works like jig setting. Air hoist, air motor realize safe working conditions against the work in the risk of explosion like the chemical factory. Air hoist are available in chain and wire rope type lifting capacity from 60 kg to 6000kg



1. Fast speed, 3 times of electric hoists, 5 times of manual hoists;
2. Capacity of stepless speed regulation, accurate positioning, zero impact force;
3. Automatic overload protection function, safety, accident free;
4. Easy and simple operation;
5. Capable of working in special or bad conditions (water proof, corrosion protection, explosion protection);
6. Small size, light weight (aluminium alloy housing).

Item no			01191	01192	01193	01194	
Rated load weight		Kg	125	250	500	980	
Standard lift		m	3	3	3	3	
Work medium			Compressed? Air				
Work air pressure		mpa	0.6	0.6	0.6	0.6	
Motor output power		Kw	1	1	1	1	
Air consumption		m3/min	1	1	1.3	1.3	
Air pipe joint			1/2	1/2	1/2	1/2	
Hose size		mm	13/16	13/16	13/16	13/16	
Full load lifting wind noise		Db	77	77	77	77	
Work speed range	Full load speed	up	m/min	20	12	7	4
		down	m/min	25	17	12	10
	No load speed	up	m/min	28	16	10	7
		down	m/min	35	21	18	15

The structure of the product can be divided into 5 parts, including 1.pneumatic engine,2. reducing speed 3.braking device , 4.lifting device.5.pneumatic control