



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

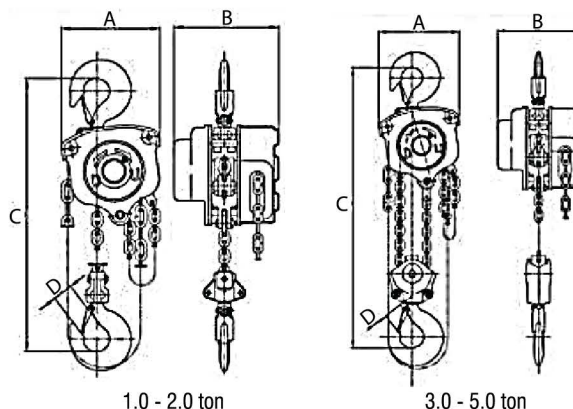
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Manual Chain Hoist - Model KT-C



Technical Parameters



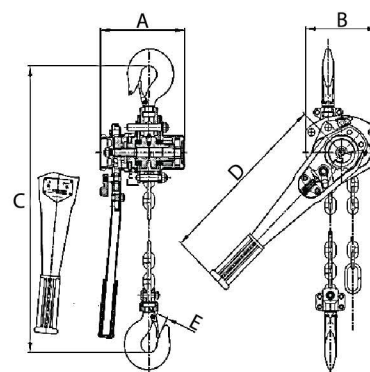
Model	Rated Load (ton)	Load Chain		Pulling Effort (N)	Dimension (mm)				Test Load (ton)	Net Weight (Lift 3 m) (kg)
		Dia. (mm)	No. of falls		A	B	C	D		
KT-C10	1.0	T 6.0	1	324	156	131	334	24	1.5	10.5
KT-C15	1.5	T 7.1		395	180	142	415	36	2.25	15.5
KT-C20	2.0	T 8.0		330	156	131	459	34	3.0	16.0
KT-C30	3.0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

* Height of lift can be changed upon the usage.

Lever Chain Hoist - Model KT-L



Technical Parameters



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

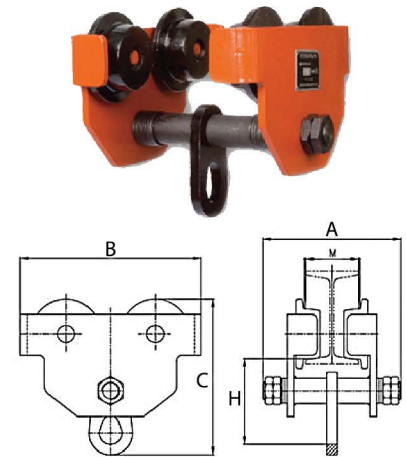
* Height of lift can be changed upon the usage.

Trolley & Pulling Hoist Pulley Block



Plain Trolley - Model KT-P

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

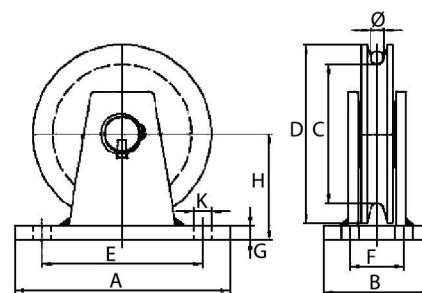


Wire Rope Pulling Hoist – Model ZNL



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

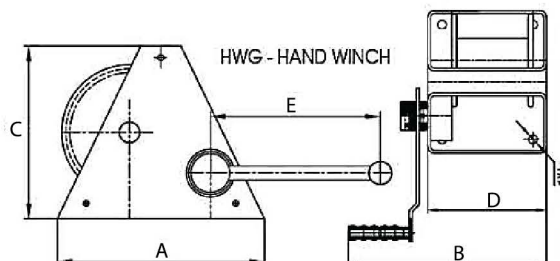
Pulley Block – Model DU



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

Spur Geared type Hand Winch – Model HWG (GR)

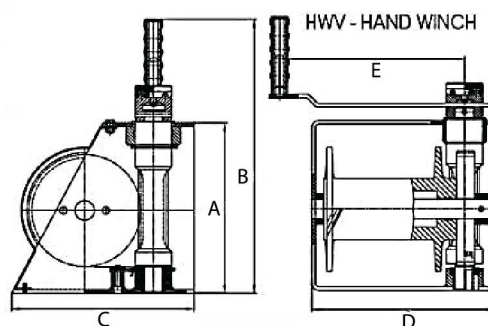
Technical Parameters



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

Worm Geared type Hand Winch – Model HWV (VS)

Technical Parameters



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

Webbing Sling Magnetic Lifter & Binder



Webbing sling (Double Ply)

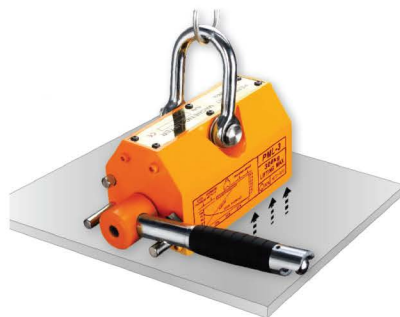
Main Features

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

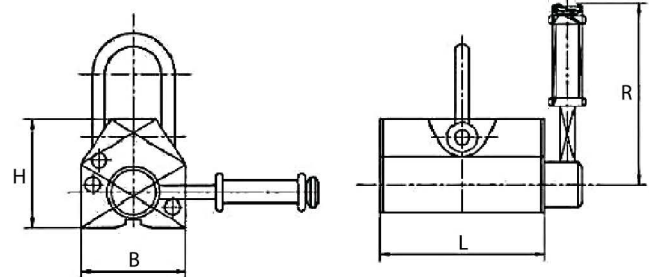


Rated Load for Webbing Sling (ton)	Lifting with 1 Webbing Sling					Lifting with 2 Webbing Slings				
Type of Lifting	Straight Lift	Choked Lift	$\beta \leq 7^\circ$	$7^\circ < \beta \leq 45^\circ$	$45^\circ < \beta \leq 60^\circ$	Straight Lift $\beta \leq 45^\circ$	Straight Lift $45^\circ < \beta \leq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

Permanent Magnetic Lifter – Model PML



Technical Parameters



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

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

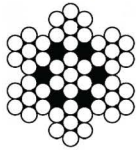
Chain Binder - Model CBD

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

* Length of chain can be changed upon the usage.

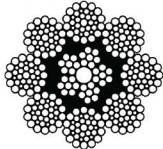


**Stainless Steel Wire Rope
7 x 7 - JIS G3540
Grade SUS304 / SUS316**



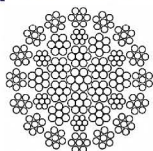
Dia. (mm)	Breaking Strength (kN)		Unit Weight (kg/m)
	SUS304	SUS316	
1.2	1.12	0.94	0.006
1.5	1.67	---	0.010

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



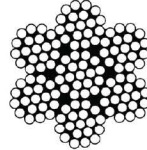
Dia. (mm)	Breaking Strength (kN)	Unit Weight (kg/m)
8.0	49.2	0.267
9.0	62.3	0.338
10.0	76.9	0.417
11.0	93.0	0.505
12.0	111.0	0.600
13.0	130.0	0.705
14.0	151.0	0.817
16.0	197.0	1.070
20.0	307.5	1.670

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



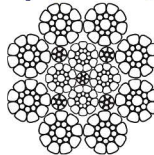
Dia. (mm)	Breaking Strength (kN)	Unit Weight (kg/m)
11.0	85.4	0.553
14.0	138.0	0.896
16.0	181.0	1.170

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



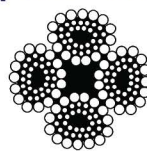
Dia. (mm)	Breaking Strength (kN)		Unit Weight (kg/m)
	SUS304	SUS316	
2.0	2.72	---	0.017
3.0	6.13	5.54	0.034
4.0	10.68	10.10	0.061
4.8	15.35	16.50	0.095
6.0	24.11	20.76	0.138
8.0	41.75	36.90	0.243

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



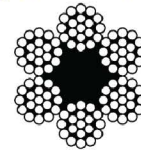
Dia. (mm)	Breaking Strength (kN)	Unit Weight (kg/m)
6.4	38.9	0.209
8.0	60.8	0.326
9.0	76.9	0.413
11.0	115.0	0.617

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



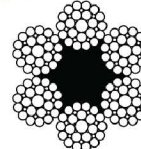
Dia. (mm)	Breaking Strength (kN)	Unit Weight (kg/m)
10.0	73.1	0.412
11.2	91.7	0.517
12.5	114.2	0.644

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



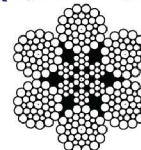
Dia. (mm)	Breaking Strength (kN)	Unit Weight (kg/m)
6.3	23.0	0.153

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



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

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



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