CHONGQING TITANSUHE TECH CO., LTD

Titansuhe

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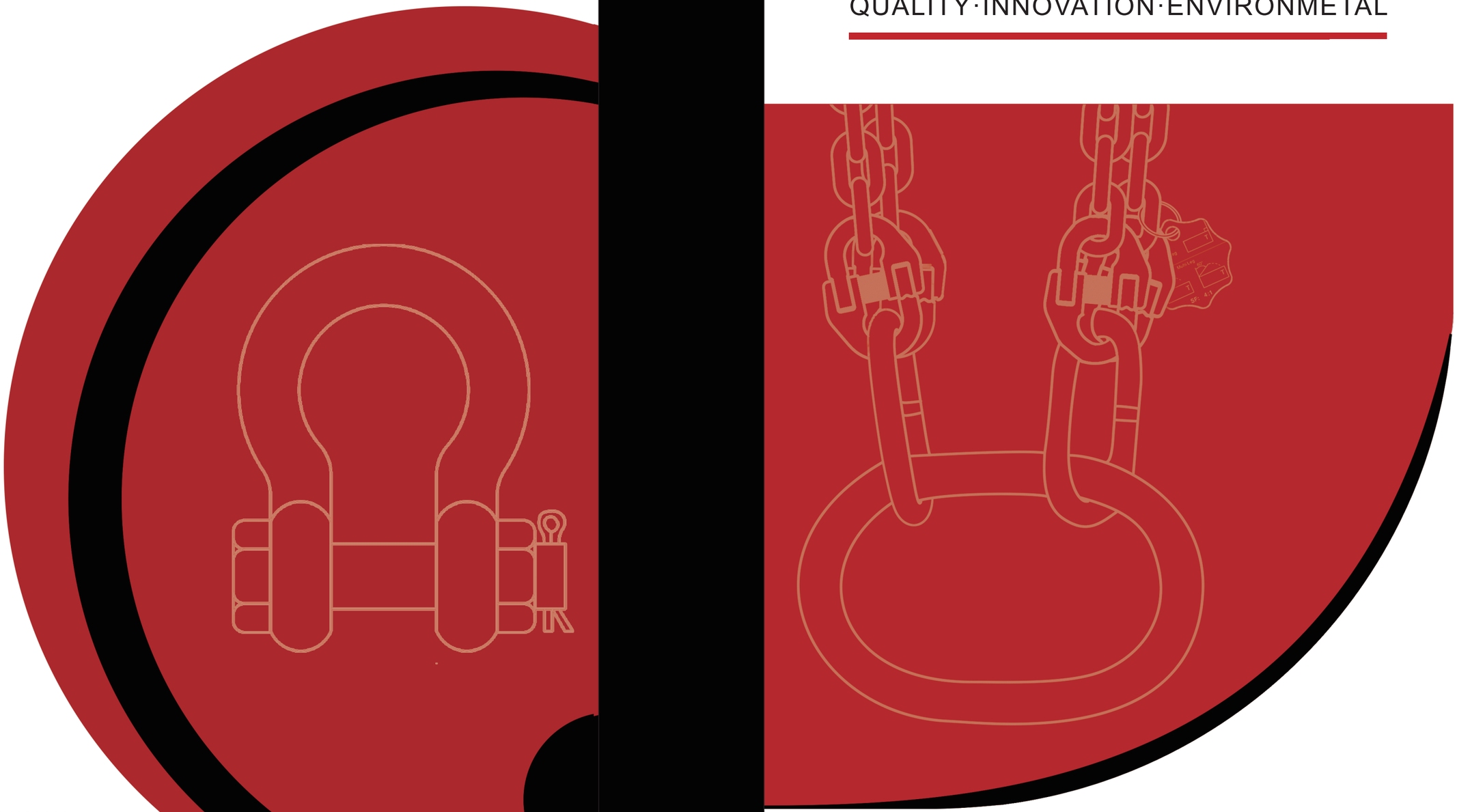

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RIGGING & LIFTING

LET'S EXPLORE AND WORK TOGETHER

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Titansuhe®

ABOUT US

TITANSUHE is one of the subsidiary companies under CHONGQING RUIGE GROUP Co., Ltd. As a manufacturing group and professional supplier for rigging and lifting products, we engaged in the design, manufacturing and distribution of various rigging hardware, lifting tools, equipment, and elevator parts more than 20 years. Our main products are chain, chain components, wire rope, wire rope accessories, polyester sling, elevator parts and various hardware.

Started as a service provider of elevator and lifting products in year 2005 under the name of Chongqing Ruige Elevator Co., Ltd, we established our first factory Schmidt Elevator Co., Ltd. in 2010 for elevator and parts producing and co-invested five factories for rigging and lifting products manufacturing.

All our factories are ISO certified and most of our products have CE/GS certificates. With powerful production capability, advanced quality assurance system and professional service team, our products have been exported to over 50 countries from Asia, Europe, Middle East, South/North America and Africa.

Except the super quality products, we also provide complete solutions that customers may need during lifting and material handling.Our business aim is to provide customer the best quality products at the most competitive prices. Our people have rich experience in international service and have a wealth of knowledge, experience in the filed of lifting and material handling. We can provide excellent advice and support to insure you get the right products at the lowest cost.



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Titansuhe® LIFTING & RIGGINGS

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TCSH8014	159	MANUAL LEVER HOIST, HEAVY DUTY/ HSH-A620
TCSH9001	160	BEAM CLAMP/ JG
TCSH9002	160	BEAM CLAMP/ JG-C
TCSH9003	160	BEAM CLAMP/ JG-E
TCSH9004	160	BEAM CLAMP Stainless/ JG-S
TCSH9005	161	PLAIN TROLLEY GCT610
TCSH9006	161	GEARED TROLLEY GCL610
TCSH9007	161	PLAIN TROLLEY GCT619
TCSH9008	161	PLAIN TROLLEY GCL619
TCSH9009	162	PLAIN TROLLEY, LOW HEADROOM/ GCT620
TCSH9010	162	GEARED TROLLEY, LOW HEADROOM/ GCL620
TCSH9011	162	CLAMP TROLLEY, QUICK ADJUSTMENT/ GCT622
TCSH9012	162	PLAIN TROLLEY, STAINLESS / GCT-SB
TCSH9013	163	VERTICAL LIFTING CLAMPS / JCD
TCSH9014	163	VERTICAL LIFTING CLAMPS/ JCDF
TCSH9015	164	VERTICAL LIFTING CLAMPS/ ECD
TCSH9016	164	HORIZONTAL LIFTING CLAMPS/ PPD
TCSH9017	164	HORIZONTAL LIFTING CLAMPS/ YPC
TCSH9018	165	VERTICAL LIFTING CLAMPS/ CDK
TCSH9019	165	HORIZONTAL LIFTING CLAMPS / L
TCSH9020	165	CONCRETE PIPE LIFTING CLAMP/ TLG
TCSH9021	166	LIFTING CLAMPS/ TPH
TCSH9022	166	JERRICAN CLAMPS/ YQC
TCSH9023	166	CLAMPS FOR PLASTIC DRUM/ PQC
TCSH9024	167	SINGLE STEEL PLATE LIFTING CLAMPS/ PDQ
TCSH9025	167	DOUBLE STEEL PLATE LIFTING CLAMPS/ QS
TCSH9026	167	CONCRETE PIPE LIFTING CLAMP/ TBCT
TCSH9027	168	HORIZONTAL LIFTING CLAMPS/ LA
TCSH9028	168	HORIZONTAL LIFTING CLAMPS/ LB
TCSH9029	168	MULTI STEEL PLATE LIFTING CLAMPS/ PDK
TCSH9030	169	TURNING LIFTING CLAMPS/ DFQ
TCSH9031	169	TURNTABLE SMALL TANK/ TK

ITEM NO.	PAGE	ITEM NAME
TCSH9032	169	DRUM LIFTER
TCSH9033	170	COMMERCIAL SNATCH BLOCK/ HQGK
TCSH9034	171	SNATCH BLOCK/ DY
TCSH9035	171	HOT DIP GALVANIZED M.I. BLOCK
TCSH9036	172	MARINE EYE WIRE BLOCK/ YB
TCSH9037	172	MARINE EYE WIRE BLOCK / YBO
TCSH9038	173	HEAVY DUTY SNATCH BLOCK/ LH
TCSH9039	173	HEAVY DUTY SNATCH BLOCK/ LS
TCSH9040	173	LIGHT TYPE CHAMPION SNATCH BLOCK/ SJR
TCSH9041	174	HAND PULLER/ QSS
TCSH9042	174	WIRE ROPE WINCH/ ZNL
TCSH9043	175	HAND WINCH/ PD
TCSH9044	176	HAND WINCH/ JC-C
TCSH9045	176	HAND WINCH/ JC-B
TCSH9046	177	HAND WINCH Stainless Steel /JC-S
TCSH9047	177	HAND WINCH/ JC-E
TCSH9048	178	WIRE GRIP BOLT TYPE
TCSH9049	178	WIRE GRIP BOLT TYPE/ SD
TCSH9050	178	RATCHET PULLER/ TCSH
TCSH9051	178	RATCHET PULLER WITH WIRE GRIP/ TCSHG
TCSH9052	179	PERMANENT MAGNET LIFTER/TC
TCSH1001	181	PALLET TRUCK
TCSH1002	182	FL-R Hydraulic Hand Pallet Truck with Scale
TCSH1003	182	CYT-A Hydraulic Scissor Lift Tables
TCSH1004	183	CYT-B Hydraulic Scissor Lift Tables
TCSH1005	183	CYT-D Hydraulic Scissor Lift Tables
TCSH1006	184	SYC Series Hydraulic Hand Stacker
TCSH1007	184	SYC Hydraulic Scissor Lift Tables
TCSH1008	185	GSYC Series Hydraulic Hand Stacker
TCSH1009	185	HSYC Series Hydraulic Hand Stacker
TCSH1010	186	DYC Series Semi-electric Stacker
TCSH1011	186	DYC Series Semi-electric Stacker
TCSH1012	187	Hydraulic Bottle Jack Standard
TCSH1013	187	Hydraulic Bottle Jack with Safety Valve
TCSH1014	188	Hydraulic Bottle Jack Lower Height
TCSH1015	188	Manual Hydraulic Cylinder With Toe-lift
TCSH1016	188	Air Bottle Jack
TCSH1017	189	Floor Jack
TCSH1018	189	Long Floor Jack
TCSH1019	190	Screw Jack
TCSH1020	190	Standard/low Profile Bottle Jack
TCSH1021	191	Double Ram Bottle Jack
TCSH1022	191	Long Ram Jack
TCSH1023	191	Air Hose Reel
TCSH1024	191	Air Hose Reel
TCSH1025	192	Mechanical Jack (TCSH Model) Standard
TCSH1026	192	Mechanical Jack (TCSH-A Model)
TCSH1027	193	Mechanical Jack (TCSH-B Model)
TCSH1028	193	Farm Jack
TCSH1029	194	Jack Stand Light
TCSH1030	194	Jack Stand Standard

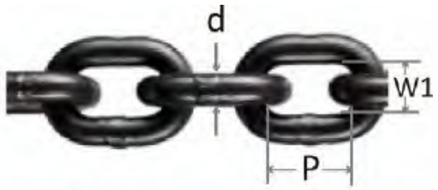
ITEM NO.	PAGE	ITEM NAME
TCSH1031	194	Jack Stand ANSI
TCSH1032	194	Jack Stand GS
TCSH1033	195	Shop Crane
TCSH1034	195	Engine Stand
TCSH1035	195	Porta Power
TCSH1036	195	Transmission Jack
TCSH1037	196	Transmission Jack
TCSH1038	196	Shop Press
TCSH1039	197	Shop Press
TCSH1040	198	Pipe Bender

G80 Medium tolerance chain for chain slings

- Material: Alloy steel
- Surface treatment options:
- self-color, black tempered, painted, galvanized, etc.
- Specification: EN818-2
- Quality: G80, Chinese material and European material optional







Norminal Size mm	Material Diameter Tolerance	Weld Diameter mm	Pitch			Internal width away from weld W1 min.	External width over the weld W2 max.	Working load limit WLL (t)	Manufacturing proof force MPF(kN)	Breaking force BF(kN) min.	Bend deflection f (mm) min.	Weight kg/m
			Pn	P max.	P min.							
6	±0.24	6.6	18	18.5	17.5	7.8	22.2	1.12	28.3	45.2	4.8	0.8
7	±0.28	7.7	21	21.6	20.4	9.1	25.9	1.5	38.5	61.6	5.6	1.1
8	±0.32	8.8	24	24.7	23.3	10.4	29.6	2	50.3	80.4	6.4	1.4
10	±0.40	11	30	30.9	29.1	13	37	3.15	78.5	126	8	2.2
13	±0.52	14.3	39	40.2	37.8	16.9	48.1	5.3	133	212	10	3.8
16	±0.64	17.6	48	49.4	46.6	20.8	59.2	8	201	322	13	5.7
18	±0.90	19.8	54	55.6	52.4	23.4	66.6	10	254	407	14	7.3
20	±1.0	22	60	61.8	58.2	26	74	12.5	314	503	16	9
22	±1.1	24.2	66	68	64	28.6	81.4	15	380	608	18	10.9
26	±1.3	28.6	78	80.3	75.7	33.8	96.2	21.2	531	849	21	15.2
32	±1.6	35.2	96	98.9	93.1	41.6	118	31.5	804	1290	26	23

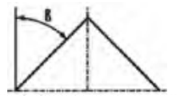
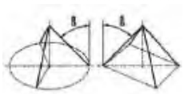
CHAIN INSPECTION AND MAINTENANCE

- Inspect chain before each use. Between regular inspections visually check on a daily basis the following:
- Clean chain before inspection using a non-caustic/non-acid solvent
- Lubrication of the chain may be necessary if it binds up or is noisy
- Chain feeds smoothly into and from the hoist and does not emit cracking noise when hoisting a load.
- Visually examine link by link for any nicks, gouges, weld splatter, corrosion or distorted links, pay close attention to chain's contact points, which may show excessive wear.
- Test hoist with load and observe operation of chain over load sheaves It must remember to add lubricating oil to the lifting chain in time when in use. Lubricating oil must enter the clearance between the roller and inner sleeve to improve working conditions to reduce wear.

G80 CHAIN SLING



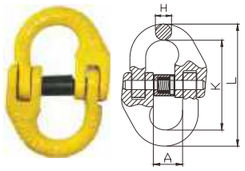
Working Load List under Different Angle

Chain Diameter mm	Workinng Load Limited (kg)					
	1 leg	2 legs		3-4 legs		Chocked Endless Sling
						
		0°<ß≤45°	45°<ß≤60°	0°<ß≤45°	45°<ß≤60°	
6	1120	1600	1120	2360	1700	1800
7	1500	2120	1500	3150	2240	2500
8	2000	2800	2000	4250	3000	3150
10	3150	4250	3150	6700	4750	5000
13	5300	7500	5300	11200	8000	8500
16	8000	11200	8000	17000	11800	12500
18	10000	14000	10000	21200	15000	16000
20	12500	17000	12500	26500	19000	20000
22	15000	21200	15000	31500	22400	23600
26	21200	30000	21200	45000	31500	33500
32	31500	45000	31500	67000	47500	50000

Working Load Reduction under Different Temperature

Temperature Range	Working Load Reduce
-40°C-200°C	None
200°C-300°C	10%
300°C-400°C	25%
above 400°C	Do not use!!

G80 European Type Connecting Link TCSH074

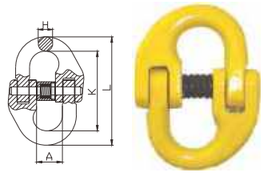


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)				N.W. (kg/pc)
			A	L	K	H	
6-8	1.12	4.48	15	58	42	7.0	0.08
7-8	1.5	6	19	71.8	54.8	8.5	0.145
7/8-8	2	8	18	79.5	62.5	8.5	0.146
8-8	2	8	18	79.5	60.5	8.5	0.16
10-8	3.15	12.6	25	93	68	10.8	0.30
13-8	5.3	21.2	29	117	87	15	0.70
16-8	8	32	34.5	148	108.4	19.8	1.1
18-8	10	40	38	154	112	21	1.84
18/20-8	12.5	50	41	169.5	121.5	24	1.8
22-8	15	60	48	193.5	141.5	26	3.2
26-8	21.2	84.8	57.5	220	158	30	4.5
32-8	31.5	126	67	281	205	37	9

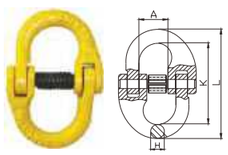
G80 U.S Type Connecting Link TCSH075

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.



Size	W.L.L (lbs)	B.L (lbs)	Dimension (mm)				N.W. (kg/pc)
			A	L	K	H	
1/4"	3250	13000	19.5	69	55	7	0.24
5/16"	4500	18000	18	79.5	62.5	8.5	0.32
3/8"	6600	26400	27	91.5	68.5	11.5	0.58
1/2"	11250	45000	35	111	81	15	1.2
5/8"	16500	66000	42	137.5	95.5	21	2.42
3/4"	23000	92000	43	171	126	22.5	3.89
7/8"	28750	115000	48	190.5	141.5	24.5	6.08

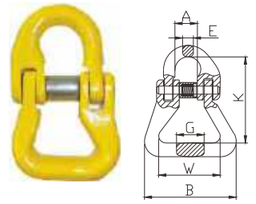
G80 U.S Type Connecting Link TCSH076



- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (lbs)	B.L (lbs)	Dimension (mm)				N.W. (kg/pc)
			A	L	K	H	
1/4"	3500	14000	16.5	67	51	8	0.286
5/16"	4500	18000	17	78.5	58.5	10	0.32
3/8"	7100	28400	22	87.6	63.6	12	0.73
1/2"	12000	48000	28.5	115.5	85.5	15	1.67
5/8"	18100	72400	33	143	106	18.5	2.86
3/4"	28300	113200	41	162	116	23	5.00
7/8"	34200	136800	50.5	188.5	136.5	26	7.50
1"	47700	190800	57	214.5	152.5	31	11.03
1-1/4"	72300	289200	65	265	188.7	38	20.38

G80 Webbing Sling Connector TCSH001

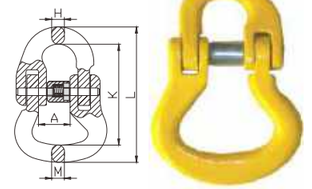


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)						N.W. (kg/pc)
			A	B	K	W	G	E	
6-8	1.12	4.48	15	60	56	40	18	7	0.2
7/8-8	2.0	8.0	20	61.5	63.7	40	24	9.5	0.3
10-8	3.15	12.6	24	66	83	39	30.5	11	0.68
13-8	5.3	21.2	28	88	93.7	55	36.8	16.5	1.47
16-8	8	32	34.5	108	120	65.5	45.2	19.8	2.3
20-8	12.5	50	41	129	138	80	51.8	23	3.3

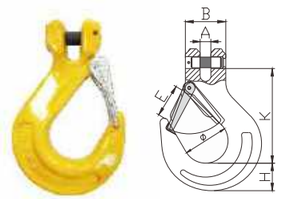
G80 Special Webbing Connecting Link TCSH079

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.



Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			A	M	H	K	L	
19-8	12.5	50	37	26.2	20	186.5	246	3.4
22-8	15	60	48	28.2	25	205.5	273	4.55
25-8	20	80	51.5	33	30	231	306	6.1

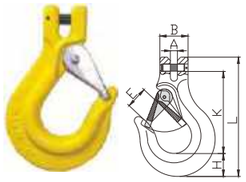
G80 Clevis Sling Hook With Latch TCSH012



- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)						N.W. (kg/pc)
			A	B	Φ	H	K	E	
6-8	1.12	4.48	8	32	35	23	76	26	0.32
7/8-8	2.0	8.0	9.5	37	37	32.5	85.5	29	0.52
10-8	3.15	12.8	13	49	46	35	104	39	1.05
13-8	5.3	21.2	16.5	56.5	56	42.5	128	47	2
16-8	8	32	221.5	70.5	60	54	150	55	3.7
20-8	12.5	50	24	77	79	58	180	61	6
22-8	15	60	27	91	101	62	213	72	10.4

G80 Clevis Sling Hook with Cast Latch TCSH014

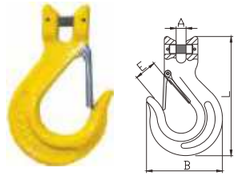


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)						N.W. (kg/pc)
			A	E	B	H	K	L	
6/7-8	1.6	6.4	8	24	36	28	100	144	0.58
7-8	1.6	6.4	8.5	28	37.5	32	105	153	0.72
8-8	2	8	10	30	42	32.5	117	168	0.91
10-8	3.2	12.8	12	32	50	41	128	191.5	1.42
13-8	6	24	15	40	60	49	177	254.5	3.3

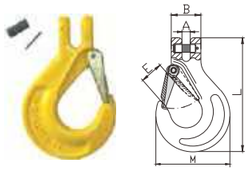
G80 U.S. Type Clevis Slip Hook with Latch TCSH069

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.



Size	W.L.L (lbs)	B.L (lbs)	Dimension (mm)				N.W. (kg/pc)
			A	B	E	L	
1/4"	3500	14000	11.5	89	29	137.5	1.1
3/8"	7100	28400	14.5	117	38	179	2.65
1/2"	12000	48000	17.8	139	47	217.5	4.95
5/8"	18100	72400	20.8	161.5	52	253	8.15
3/4"	28300	113200	24.5	187	56	294	12.12

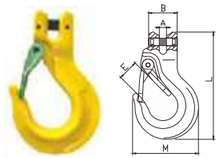
G80 Italian Type Clevis Slip Hook TCSH247



- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			A	B	E	M	L	
10-8	3.15	12.6	12.5	40.5	31	110	166	1.26
13-8	5.30	21.2	12.5	53	40	133	204	2.10
16-8	8.00	32	18.5	65.5	44	155	230	3.32

G80 Clevis Slip Hook TCSH329

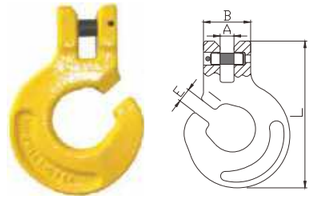


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			A	B	E	M	L	
6-8	1.12	4.48	7.5	32	22	74	121	0.40
7/8-8	2	8	9	36	25.5	83	137	0.52
10-8	3.15	12.6	12	46	34	107	175.5	0.95
13-8	5.3	21.2	15	59	41.5	134	210.5	1.97
16-8	8	32	17.5	70	46	158	248	3.45
18/20-8	12.5	50	23	80	52	189	309	6.50
22-8	15	60	25.5	98	60	239	375.5	9.65

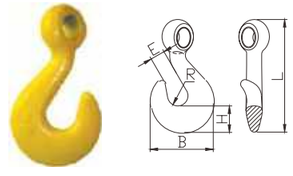
G80 Clevis Forest Hook TCSH102

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.



Size	W.L.L (t)	B.L (t)	Dimension (mm)				N.W. (kg/pc)
			B	A	E	L	
7/8-8	2	8	35	9.5	10.5	95.5	0.413
10-8	3.15	12.6	44	13	13	137	0.92
13-8	5.3	21.2	53	16	16	165	1.75

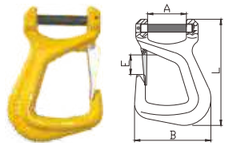
G80 Twist Hook TCSH232



- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			E	R	B	H	L	
8T	8	32	39	27.5	170	70.4	303	6.12

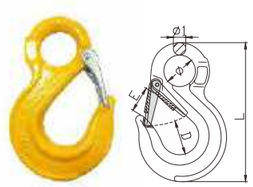
G80 Clevis Belt Hook TCSH016



- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)				N.W. (kg/pc)
			A	B	E	L	
2.2T	2..2	8.8	61	120	47	167	1.47

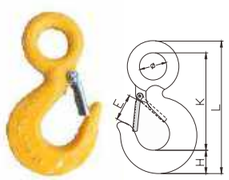
G80 EYE Sling Hook with Latch TCSH013



- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			Φ1	E	D	Φ	L	
6-8	1.12	4.48	9	24	21	20	108	0.3
7/8-8	2.0	8.0	11	30	56	25	133	0.4
10-8	3.15	12.6	15	34	39	38	167	0.9
13-8	5.3	21.2	19	39	54	43	213	1.7
16-8	8	32	23	46	64	50	255	3.2
20-8	12.5	50	24	40	80	62	305	5.8
22-8	15	60	32	71	80	62	348	8.5
26-8	21.2	84.8	35	81	82	64	394	13
32-8	31.5	126	37	102	112	88	480	17

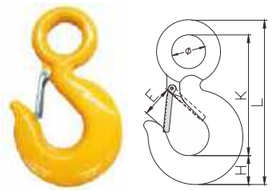
G80 Eye Hook with Latch TCSH039



- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			Φ	E	H	K	L	
6-8	1.12	4.48	19	22	19	80	110	0.28
7/8-8	2	8	28	25	25	103	140.5	0.65
10-8	3.15	12.6	31	27.5	28	118	162	0.94
13-8	5.3	21.2	39	33	35	145	201	1.95
16-8	8	32	51	40	45	180	256	3.77
20-8	12.5	50	62	51	57	230	317	6.8
22-8	15	60	73	57	70	260	360	9.8
26-8	21.2	84.8	89	75	76	318	434	16.25
32-8	31.5	126	90	98	91	360	495.5	27.5

320 Eye Hook With Latch TCSH130

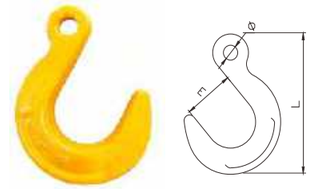


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 5 times of the W.L.L.

Carbon W.L.L (t)	Carbon B.L (t)	Alloy W.L.L (t)	Alloy B.L (t)	Dimension (mm)					N.W. (kg/pc)
				Φ	E	H	K	L	
0.5	2.5	0.75	3.75	16.5	19	17	72	97	0.21
0.75	3.75	1	5	19	22	19	82	110	0.28
1	5	1.5	7.5	23	23	21	93.5	125	0.4
1.5	7.5	2	10	28	24	26	103	140.5	0.65
2	10	3	15	31	27.5	28	119	162	0.95
3	15	5	25	39	33	37	146	201	1.95
5	25	7	35	51	40	46.5	186.5	256	3.77
7.5	37.5	11	55	62	51	57	231.5	317	6.8
10	50	15	75	73	57	67	261	360	9.8
15	75	22	110	89	75	76	318	434	16.25
20	100	30	150	90	82	91	360	495.5	27.2

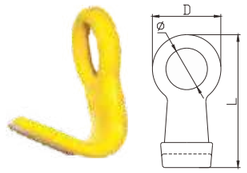
G80 Eye Foundry Hook TCSH015

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.



Size	W.L.L (t)	B.L (t)	Dimension (mm)			N.W. (kg/pc)
			E	Φ	L	
6-8	1.6	6.4	63.5	18	163	1.09
8-8	2	8	63.5	18	163	1.09
10-8	3.2	12.8	76	22	200	2.03
13-8	5.4	21.6	89	27	238	3.22
16-8	8.2	32.8	102	32	278	5.26
20-8	12.8	51.2	114.5	38	325	9.1
22-8	15.5	62	127.5	45	361	11.3
26-8	21.5	86.4	140	66.5	402	16.8
32-8	32.8	131.2	153.5	81.5	461	26.6

G80 Barrel Hook TCSH022

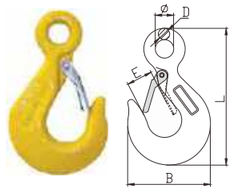


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)			N.W. (kg/pc)
			Φ	D	L	
1T	1	4	38	71	118.5	0.7
2T	2	8	40	66	128	0.55

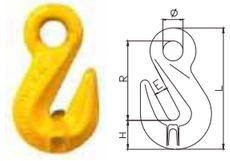
Italian Hook DIN 689 TCSH020

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.



Size	W.L.L (t)	Dimension (mm)					N.W. (kg/pc)
		Φ	B	E	D	L	
250	0.25	12	52.5	18	7.5	88	0.15
500	0.5	16	70	23	10	117	0.32
1000	1	20	98	34	13	160	0.84
1600	1.6	22	111	37	16	186	1.3
2500	2.5	25	145	48	20	233	2.55

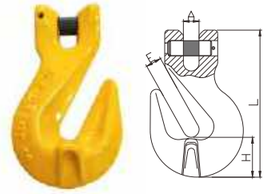
G80 Eye Shortening Grab Hook TCSH085



- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			E	Φ	H	R	L	
6-8	1.12	4.48	8	13.5	16	51	75.2	0.14
7/8-8	2	8	10.8	17	18.5	60.5	88.5	0.246
10-8	3.15	12.6	13	20	29	79.5	121.5	0.65
13-8	5.3	21.2	16.5	26	42.8	99.7	158	1.39
16-8	8	32	19.2	30	45.7	104	169	2.2
20-8	12.5	50	24	37	56	140	219	4.6
22-8	15	60	28	44	68	165	259	8.2
26-8	21.2	84.8	30	41	77	188.5	298	9.8
32-8	31.5	126	38	57	95	228.5	361	19.34

G80 Clevis Shortening Grab Hook TCSH086

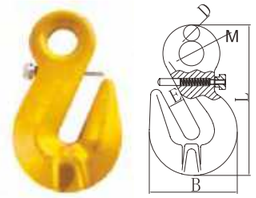


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)				N.W. (kg/pc)
			E	A	H	L	
6-8	1.12	4.48	8	8	16	75	0.25
7/8-8	2	8	10.8	9.5	21.6	90	0.32
10-8	3.15	12.6	13.5	12.5	30	126	0.73
13-8	5.3	21.2	16.5	15	42.5	163.5	1.6
16-8	8	32	19.2	19.5	45.5	183.5	2.8
20-8	12.5	50	24	24	56	219	5
22-8	15	60	27	27	68.5	254	6.3

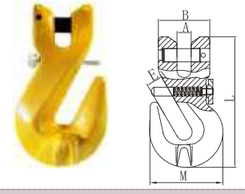
G80 Eye Shortening Grab Hook with Safety Pin TCSH317

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4times of the W.L.L.



Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			M	B	D	E	L	
7/8-8	2	8	17	50	9.5	11	88.5	0.29
10-8	3.15	12.6	20	71	13	13	121.5	0.75
13-8	5.3	21.2	26	96	15.5	16.5	158	1.62

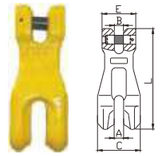
G80 Clevis Shortening Grab Hook with safety Pin TCSH313



- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			A	B	E	M	L	
6-8	1.12	4.48	8	32	8	43.5	75	0.28
7/8-8	2	8	9.5	35	11	19.5	89	0.33
10-8	3.15	12.6	12.5	42.5	13.2	70.5	126.5	0.88
13-8	5.3	21.2	15	63	16.5	90	163.5	1.85
16-8	8	32	19.5	65.5	19.2	112.5	183.5	3.24

G80 Clevis Chain Clutch TCSH073

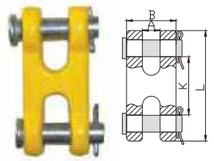


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			A	B	C	E	L	
6-8	1.12	4.48	7.5	7.5	33	26	73.5	0.17
7/8-8	2	8.0	9.5	9.5	45	36	101	0.41
10-8	3.15	12.6	13	13	55	48	138	0.97
13-8	5.3	21.2	18	16	75	59	177	2.01
16-8	8	32	21	21	93	73	220	3.32
18/20-8	12.5	50	22	22	99	78	238	6.2
22-8	15	60	25.5	25.5	118	98	295	8.5

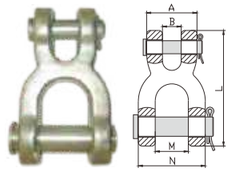
Twin Clevis Link TCSH048

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.



Size	W.L.L (t)	B.L (t)	Dimension (mm)				N.W. (kg/pc)
			A	B	K	L	
1/4-5/16	2.1	8.4	10	28	32	65	0.21
3/8	3	12	12	34	40.5	78	0.348
1/2-7/16	5.1	20.4	15	45	54	100.5	0.762
5/8	7.48	29.9	20	56	66	125.5	1.05

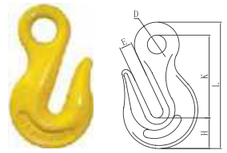
Double Clevis Link TCSH356



- Grade 70, only for lashing and pulling. Never to be used for lifting.
- Forged alloy steel- Quenched and Tempered.
- Suitable for G70 transport chain.

Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			A	B	M	N	L	
1/4"	1.18	4.72	32	13.2	19.5	37.5	72.5	0.17
5/16"	2.45	9.8	39.5	14.7	25.9	52.5	90.7	0.37
7/16"	3.17	12.68	44.2	18	29.3	57.5	104	0.57
1/2"	4.17	16.68	51	21.2	32.3	63.5	116	0.71
5/8"	7.94	31.76	56.8	19.8	41.4	81	144	1.30

G80 Eye Grab Hook TCSH027

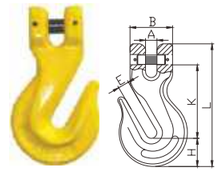


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			E	D	H	K	L	
1/4"	1.2	4.8	8	13	19	54	81	0.13
9/32"	2	8	9.5	15	23	64	98	0.27
3/8"	3.2	12.8	12.5	20	30	82	125	0.55
1/2"	5.4	21.6	17	25	42	106	165	1.3
5/8"	8.2	32.8	20	30	49	127	196.5	2.48
3/4"	12.8	51.2	23	34.5	56	152	231.6	3.8
7/8"	15.5	62	28.6	40.5	65.6	175	267.6	5.8

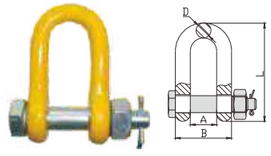
G80 Clevis Grab Hook TCSH028

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.



Size	W.L.L (lbs)	B.L (lbs)	Dimension (mm)						N.W. (kg/pc)
			A	E	B	H	K	L	
1/4"	3500	14000	10	9.5	38	23	65.3	106.5	0.66
3/8"	7100	28400	12.7	13	46	31	82	137	1.43
1/2"	12000	48000	16.5	16.5	61	41	113	184.5	3.75
5/8"	18100	72400	20	20	68.5	49	129.5	215	5.52
3/4"	28300	113200	24	24	88	58	152	254	9.35
7/8"	34200	136800	27.5	26.5	101	66	178	295	13.67

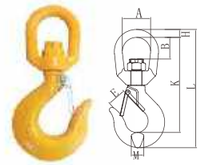
G80 Bolt Type Chain Shackle TCSH049



- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)				N.W. (kg/pc)
			A	B	D	L	
7/8-8	2	8	15	32	8.5	56	0.11
10-8	3.15	12.6	21	43	10.5	71	0.22
13-8	5.3	21.2	25	51	13	90	0.38
16-8	8	32	30	63	16.5	111	0.73

G80 Swivel Hook with Latch TCSH040

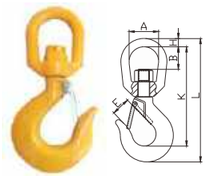


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)							N.W. (kg/pc)
			A	E	B	H	K	L	M	
6-8	1.12	5	32	22	17	9	109	137	16	0.34
7/8-8	2	8	42	21.5	35	15.8	150	192	21	1.02
10-8	3.15	12.8	42.5	26	35	15.8	162.5	208.5	23	1.24
13-8	5.3	21.6	48	32.5	39	18	191	246	31	3.60
16-8	8.0	32.8	62	43	53	25	243.5	313	34	4.66
20-8	12.5	50	68	49.5	51	28.5	276.5	363.5	41.5	7.40
22-8	15	60	79	54.5	65	32	332	431	55.7	10.6
26-8	21.2	84.8	105	81	114	40	429.5	545.5	70	21.4
32-8	31.5	126	105	100	96	40	465.3	596	76.2	32

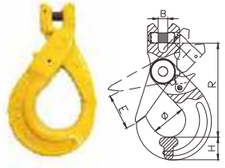
322 Swivel Hook With Latch TCSH132

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.



Carbon		Alloy		Dimension (mm)						N.W. (kg/pc)
W.L.L (t)	B.L (t)	W.L.L (t)	B.L (t)	A	E	B	H	K	L	
0.5	2.5	0.75	3.75	32	20	22.5	9	111	138	0.30
0.75	3.75	1	5	32	22	22.5	9	112	140	0.34
1	5	1.5	7.5	38	23	29.5	12	133.5	167	0.57
1.5	7.5	2	10	44	26	33	15.8	150.5	192	1.02
2	10	3	15	44	28	33	15.8	163	208	1.24
3	15	5	25	50	35	39	18	190	242	2.25
5	25	7	35	64	43	53	25	248.5	318	4.66
7.5	37.5	11	55	70	55	53	28.5	282	369	7.40
10	50	15	75	79	61	58	32	332	431	10.6
15	75	22	110	105	81	114	40	431	547	21.4
20	100	30	150	105	82.5	105	40	472	603	32.0

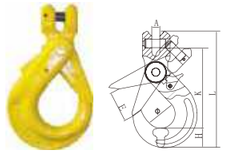
G80 European Type Clevis Self-Locking Hook TCSH082



- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			E	B	H	Φ	R	
6-8	1.12	4.48	29	8.5	19.5	34	95.5	0.5
7/8-8	2	8	34	9.5	24	46	121	0.8
10-8	3.15	12.6	44	12	28.5	56	146	1.5
13-8	5.3	21.2	52	15	40	69	182	2.8
16-8	8	32	60	18	50.5	86	218	5.6
20-8	12.5	50	83	25	55	100	240	7.5
22-8	15	60	88	25.5	67	98	276.5	11.5
26-8	21.2	84.8	95.5	30	75	110	310.5	18.5

G80 U.S. Clevis Self-Locking Hook TCSH009

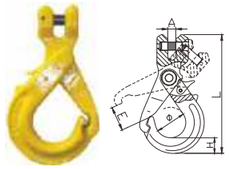


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (lbs)	B.L (lbs)	Dimension (mm)						N.W. (kg/pc)
			A	E	Φ	H	K	L	
8-8	4500	18000	9.5	35	42	29.5	161.5	163.5	0.96
10-8	7100	28400	12	46	55	34.5	145	206	1.60
13-8	12000	48000	15	56	64	41.5	173	247	3.65

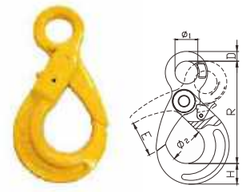
G80 Clevis Self-Locking Hook with Grip TCSH078

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.



Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			A	H	E	L	Φ	
7/8-8	2	8	9.5	21.5	36	149	40	0.6
10-8	3.15	12.6	12	26.2	44	18	50	1.1
13-8	5.3	21.2	15	31	54	229	60	2
16-8	8	32	18	39.5	63	270	70	4.2

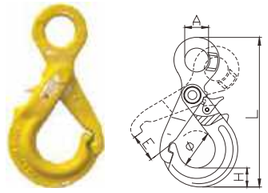
G80 European Type Eye Self-Locking Hook TCSH081



- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)						N.W. (kg/pc)
			Φ1	R	D	Φ2	H	E	
6-8	1.12	4.48	22	110.5	10	34	19.5	28	0.5
7/8-8	2	8	25	136	12	46	24	34	0.8
10-8	3.15	12.6	32	171	15	56	28.5	44	1.55
13-8	5.3	21.2	40.5	208.5	19.5	69	40	52	3.2
16-8	8	32	56	257.5	22	86	50.5	60	5.74
20-8	12.5	50	64.5	275	27	100	55	81	8.5
22-8	15	60	70	320	30	98	67	82	13
26-8	21.2	84.8	80	363	334	110	75	110	18
32-8	31.5	126	105	472	45	166	97	168	44.5

G80 Eye Self-Locking Hook with Grip TCSH077



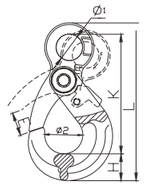
- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			A	H	E	L	Φ	
7/8-8	2	8	25	21.5	34	163	40	0.75
10-8	3.15	12.6	32	26.2	42	201.5	50	1.2
13-8	5.3	21.2	40	31	50	243.5	60	2
16-8	8	32	50	39.5	60	298	70	4.1

G80 U.S. Eye Self-Locking Hook TCSH008

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

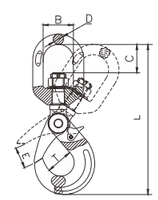




Size	W.L.L (lbs)	B.L (lbs)	Dimension (mm)						N.W. (kg/pc)
			Φ1	E	Φ2	H	K	L	
7/8-8	4500	18000	25	35	42	29.5	132	173.5	0.98
10-8	7100	28400	32.5	46	55	34.5	171	220.5	1.85
13-8	12000	48000	42	56	64	41.5	312	273.5	3.75

G80 European Swivel Self-Locking Hook TCSH083



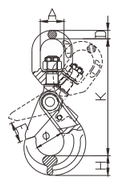


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)						N.W. (kg/pc)
			B	C	D	L	T	E	
6-8	1.12	4.48	32.5	22	11.25	170	34	29	0.71
7/8-8	2	8	35.5	26	12.5	210	46	34	1.1
10-8	3.15	12.6	42	34	15	247	56	44	2.0
13-8	5.3	21.2	50	38.5	16	302	69	52	4.0
16-8	8	32	61	55	21.5	383	86	60	7.3
20-8	12.5	50	72	61	26	418	100	83	11.6
22-8	15	60	95	95	33	527	98	88	16.0
26-8	21.2	84.8	122	115	42	610	110	95.5	21.5
32-8	31.5	126	140	146	52	777	166	150	79

G80 U.S. Type Swivel Self-Locking Hook TCSH010





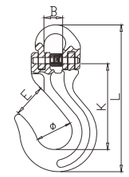
- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (lbs)	B.L (lbs)	Dimension (mm)						N.W. (kg/pc)
			A	E	Φ	H	K	E	
8-8	4500	18000	35.5	12.5	42	29.5	177	32	1.9
10-8	7100	28400	42	15	55	34.5	211.5	46	3.08
13-8	12000	48000	50	18	64	41.5	253.5	56	4.49

G80 Sling Hook with Link TCSH006

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

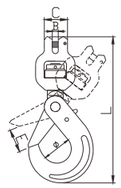




Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			E	B	Φ	K	L	
7/8-8	2	8	32.5	18	37	87	149	0.52

G80 Clevis Swivel Self-Locking Hook TCSH007



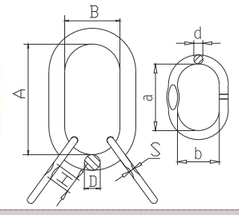


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			Φ	B	C	L	E	
6-8	1.12	4.48	34	8	32	180	28	0.73
7/8-8	2	8	46	9.5	37	227.5	34	1.3

G80 Master Link Assemblies TCSH032



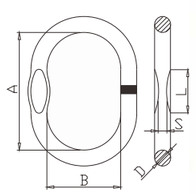


- Specification: EN1677-4, Chinese material and EN material for option
- Super Alloy Steel-Quenched and Tempered
- Individually Proof Test at 2.5 times Working Load Limited
- 4 Times safety factor design
- Flat press available upon request
- To make chain sling, refer to standard EN818-4
- To make wire rope sling, refer to standard DIN3088
- To make polyester sling, refer to standard EN1492-1

Size	W.L.L (t)	B.L (t)	Dimension (mm)								N.W. (kg/pc)
			A	B	D	a	b	d	s	H	
6-8	2.36	9.44	135	75	18	54	25	13	7	25	1.18
7-8	3.15	12.6	135	75	18	60	38	13	7	25	1.24
8-8	4.25	17	160	90	22	70	34	16	7	25	2.2
10-8	6.7	26.8	180	100	26	85	40	18	11	35	3.4
13-8	11.2	44.8	200	110	32	115	50	22	13	35	6.1
16-8	17	68	260	140	36	140	65	26	17	45	9.98
18-8	21.2	84.8	340	180	45	180	100	32	-	-	18.9
20-8	26.5	106	350	190	50	180	100	32	-	-	22.6
22-8	31.5	126	350	190	50	180	100	36	-	-	25.2
26-8	45	180	400	200	56	200	110	40	-	-	34.26
28-8	50	200	430	220	63	200	110	45	-	-	47.11
32-8	67	268	460	250	72	200	110	50	-	-	66.46

G80 Master Link TCSH033

- Specification: EN1677-4, Chinese material and EN material for option
- Super Alloy Steel-Quenched and Tempered
- Individually Proof Test at 2.5 times Working Load Limited
- 4 Times safety factor design
- Flat press available upon request
- To make chain sling, refer to standard EN818-4
- To make wire rope sling, refer to standard DIN3088
- To make polyester sling, refer to standard EN1492-1

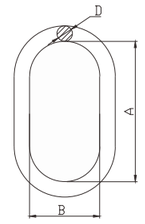




Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			A	B	D	S	L	
7/6-8	1.6	6.4	110	60	13	7	25	0.34
8/7-8	2.12	8.48	110	60	16	7	25	0.54
10/8-8	3.15	12.6	135	75	18	7	35	0.823
13/10-8	5.3	21.2	160	90	22	11	35	1.5
16/13-8	8	32	180	100	26	13	45	2.32
18/16-8	11.2	44.8	200	110	32	17	45	3.95
20/18-8	14	56	260	140	36	-	-	6.34
22/20-8	17	68	300	160	40	-	-	8.96
26/22-8	21.2	84.8	340	180	45	-	-	12.8
32/26-8	31.5	126	350	190	50	-	-	16.55
36/32-8	45	180	400	200	56	-	-	23.28
40/36-8	56	224	430	220	63	-	-	32
72-8	63	252	460	250	72	-	-	45.76

G80 Forged Master Link A-342 TCSH091



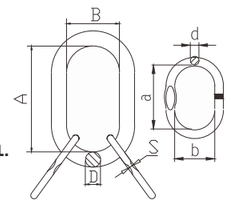


- Super Alloy Steel-Quenched and Tempered
- Individually Proof Test at 2.5 times Working Load Limited
- 4 Times safety factor design
- For chain sling, minimum ultimate load is 4 times of WLL.
- For steel wire rope sling, minimum ultimate load is 5 times of WLL.

Size	G80 Chain (in)	Chain (4:1)		Wire rope (5:1)	Dimension (mm)			N.W. (kg/pc)
		For 1 leg W.L.L (t)	For 2 leg W.L.L (t)	W.L.L (t)	A	B	D	
1/2"	1/4"	1.5	2.12	3.4	127	63.5	13	0.36
	5/16"	2	2.8					
5/8"	5/16"	2	2.8	4	152	76	16	0.7
	3/8"	3.15	-					
3/4"	3/8"	3.15	4.25	5.6	140	70	19	0.93
7/8"	3/8"	3.15	4.25	6.9	160	90	22	1.5
	1/2"	5.3	-					
1"	1/2"	5.3	7.5	11.8	178	89	25	2.1
	5/8"	8	11.2					
1-1/4"	5/8"	8	11.2	17.7	222	111	32	4.24
	3/4"	11.2	16					
1-1/2"	3/4"	11.2	16	27.7	267	135	38	7.17
	7/8"	15	21.2					
1-3/4"	7/8"	15	21.2	38.5	305	152	45	11.55
	1"	21.2	-					
2"	1"	21.2	30	46.5	355	178	51	17.2
	1-1/4"	31.5	-					
2-1/4"	1-1/4"	31.5	45	64.9	406	203	57	24.5
2-1/2"	-	-	-	72.6	406	203	63.5	30.9
2-3/4"	-	-	-	98.4	406	241	70	39.5
3"	-	-	-	103	457	228	76	50.34
3-1/4"	-	-	-	119	508	254	82.5	65.68
3-1/2"	-	-	-	126	610	305	89	90.24
3-3/4"	-	-	-	152	508	254	95	89.27
4"	-	-	-	169	508	254	102	103.43
4-1/4"	-	-	-	176	610	305	108	137
4-1/2"	-	-	-	184	710	355	115	178
4-3/4"	-	-	-	206	710	355	120	196
5"	-	-	-	226	760	380	127	234

G80 Forged Master Link Assembly A-345 TCSH092

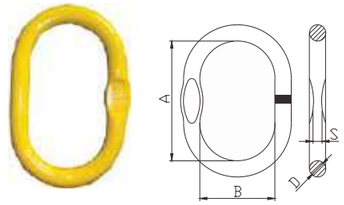
- Super Alloy Steel-Quenched and Tempered
- Individually Proof Test at 2.5 times Working Load Limited
- 4 Times safety factor design
- For chain sling, minimum ultimate load is 4 times of WLL.
- For steel wire rope sling, minimum ultimate load is 5 times of WLL.





Size	Chain	WLL 3 or4 leg 45°	Rope W.L.L (t)	Dimension (mm)							N.W. (kg/pc)
				A	B	D	a	b	d	s	
3/4"	1/4"	3.15	5.6	140	70	20	85	40	14	7.6	1.55
	5/16"	4.25									
7/8"	5/16"	4.25	6.9	160	95	22	85	40	14	-	2.18
	3/8"	6.7									
1"	3/8"	6.7	11.8	178	89	25	100	60	18	8.4	3.29
1-1/4"	1/2"	11.2	17.7	220	110	32	100	60	22	13.5	7.18
	5/8"	17									
1-1/2"	5/8"	17	27.7	267	135	38	180	100	28	16.5	12.91
	3/4"	23.6									
1-3/4"	3/4"	23.6	38.5	305	152	45	180	100	35	18.5	21.25
	7/8"	31.5									
2"	7/8"	31.5	46.5	356	178	50	180	100	38	-	30.34
2-1/2"	1"	45	72.6	406	203	64	355	178	50	-	64.4
2-3/4"	1-1/4"	67	98.4	406	241	70	406	203	60	-	94.1

G80 Master Link A-344 TCSH093

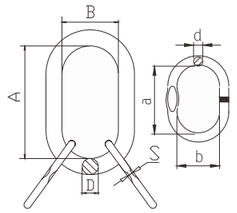


- Super Alloy Steel-Quenched and Tempered
- Individually Proof Test at 2.5 times Working Load Limited
- 4 Times safety factor design

Size	Chain Size	Chain (4:1) W.L.L (t) 1 LEG	Chain (4:1) W.L.L (t) 2 LEG	Wire Rope (5:1) W.L.L (t)	Dimension (mm) A	B	D	S	N.W. (kg/pc)
7/16"	1/4"	1.12	1.6	1.6	100	60	12	6	0.27
	9/32"	1.5	-						
1/2"	9/32"	1.5	2.12	2.5	100	60	14	7.6	0.38
	5/16"	2	-						
11/16"	5/16"	2	2.8	4	160	90	18	8.4	0.85
	3/8"	3.15	-						
3/4"	3/8"	3.15	4.25	6.5	160	90	20	10.4	1.2
	1/2"	5.3	-						
7/8"	1/2"	5.3	7.5	8	180	100	22	13.5	1.63
	5/8"	8	-						
1"	5/8"	8	11.2	11.5	180	100	25	16.5	2.13
	19mm	11.2	-						
1-1/8"	3/4"	12.5	-	11.8	270	140	28	19	3.81
1-1/4"	19mm	11.2	16	16	270	140	32	19	5.05
	7/8"	15	-						
1-3/8"	7/8"	15	21.2	24	285	155	36	20	
	1"	21.2	-						
1-1/2"	28mm	25	-	25	300	160	40	26	
1-3/4"	1"	21.2	30	31.5	340	180	45	26	
	1-1/4"	31.5	-						
2"	1-1/4"	31.5	45	45	390	215	51	32	

G80 Master Link Assembly A-347 TCSH094

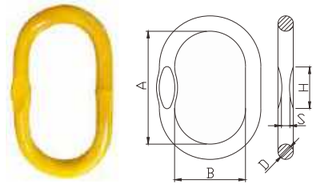
- Super Alloy Steel-Quenched and Tempered
- Individually Proof Test at 2.5 times Working Load Limited
- 4 Times safety factor design





Size	Chain size	Chain (4:1) 3 or 4 leg / 0-45° W.L.L (t)	Wire Rope (5:1) W.L.L (t)	Dimension (mm) A	B	D	a	b	d	s	N.W. (kg/pc)
1/2"	7/32"	2.36	2.4	100	60	14	85	40	12	6	0.82
11/16"	1/4"	3.15	3.2	160	90	18	100	60	14	736	1.60
5/8"	1/4"	3.15	3.2	160	90	18	100	60	14	7.6	1.60
3/4"	5/16"	4.25	4.2	160	90	20	100	60	14	7.6	1.95
7/8"	3/8"	6.7	8	180	100	22	150	70	18	8.4	3.16
1-1/8"	1/2	11.2	12	270	140	28	160	90	22	13.5	6.75
1-1/4"	5/8"	17	17	270	140	32	180	100	25	16.5	9.31
1-1/2"	3/4"	23.6	25	300	160	40	270	140	31	19	18.4
1-3/4"	7/8"	31.5	31.5	340	180	45	285	155	36	22	26.6
2"	1"	45	45	350	190	51	340	180	45	25	42.91

G80 Welded Master Link with Flat TCSH095

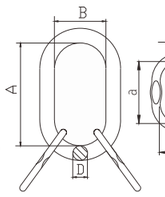


- Super Alloy Steel-Quenched and Tempered
- Individually Proof Test at 2.5 times Working Load Limited
- 4 Times safety factor design
- For chain sling, minimum ultimate load is 4 times of WLL.
- For steel wire rope sling, minimum ultimate load is 5 times of WLL.

Size	W.L.L (t)	B.L (t)	Dimension (mm) A	B	D	S	H	N.W. (kg/pc)
13B5	2.6	10.4	95	51	13	7	50	0.3
13B6	2.4	9.6	115	60	13	7	50	0.35
16B6	3.8	15.2	120	70	16	9	70	0.6
16B7	2.8	11.2	190	100	16	9	70	0.86
20B6	6.4	25.6	150	80	20	11	50	1.1
20B7	5.8	23.2	170	90	20	11	70	1.25
22B6	7.6	30.4	170	90	22	12	70	1.53
22B7	6.4	25.6	210	110	22	12	70	1.83
25B6	10	40	190	100	25	13	80	2.21
28B6	12.7	50.8	210	110	28	15	80	3.06
28B7	10.5	42	270	140	28	15	70	3.81
32B6	15.2	60.8	270	140	32	17	70	5.05
38B6	25.1	100.4	270	140	38	20	55	7.3
38B7	17	68	420	220	38	20	55	10.78
45B6	34	136	320	170	45	24	60	12.2
45B7	24.5	98	470	250	45	24	60	17.06
50B6	40	160	380	200	50	-	-	17.65
60B6	58	232	430	220	60	-	-	28.85
70B6	84	336	500	250	70	-	-	45.48

G80 Welded Master Link Assembly with Flat TCSH096

- Super Alloy Steel-Quenched and Tempered
- Individually Proof Test at 2.5 times Working Load Limited
- 4 Times safety factor design
- For chain sling, minimum ultimate load is 4 times of WLL.
- For steel wire rope sling, minimum ultimate load is 5 times of WLL.

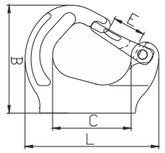




Size	W.L.L (t)	B.L (t)	Dimension (mm) A	B	D	a	b	d	N.W. (kg/pc)
Ma16	3.8	15.2	120	70	16	95	51	13	1.19
MA20	5.8	23.2	170	90	20	120	70	16	2.4
MA22	7.6	30.4	170	90	22	150	80	20	3.77
MA25	10	40	190	100	25	150	80	20	4.45
MA28	12.7	50.8	210	110	28	170	90	22	6.12
MA32	15.2	60.8	270	140	32	190	100	25	9.47
MA38	25	100	270	140	38	270	140	32	17.4
MA45	34	136	320	170	45	270	140	38	26.76
MA50	40	160	380	200	50	270	140	38	33.2
MA60	58	232	430	220	60	380	200	50	65
MA70	84	336	500	250	70	430	220	60	103

G80 Weld-On Hook TCSH019



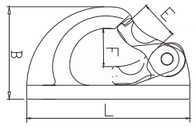


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 5 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)				N.W. (kg/pc)
			B	C	E	L	
2.0T	2	10	92	67	26.5	114	0.83
3.0T	3	15	106	73.5	30.5	129	1.2
5.0T	5	25	133	94	34	171	2.46
8.0T	8	40	136.5	94	34	177	3.26
10.0T	10	50	169.5	134.5	51	223	5.17

G80 Welded Hook Light Type TCSH106

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

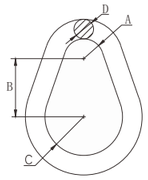




Size	W.L.L (t)	B.L (t)	Dimension (mm)				N.W. (kg/pc)
			B	E	F	L	
1.1T	1.1	5.5	53	18	18	87	0.35
2.0T	2	10	63.5	26	26	112	0.55
3.2T	3.2	16	75	30	30	127.5	0.87
5.3T	5.3	26.5	92.5	35	35	160	1.75
8.0T	8.0	40	106	40	40	180	2.98
12.5T	12.5	62.5	140	51	49	236	6.16

Forged Pear Shape Link TCSH034

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

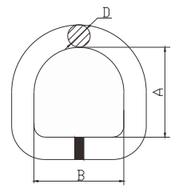




Size	W.L.L (lbs) Alloy (5:1)	W.L.L (lbs) Alloy (5:1)	Dimension (mm)				N.W. (kg/pc)
			A	B	C	D	
3/8"	3600	1800	10	28.5	19	10	0.1
1/2"	7000	2900	12.5	38	25.5	12.5	0.25
5/8"	9000	4200	16	47.5	32	16	0.5
3/4"	12300	6000	19	57	38	19	0.8
7/8"	14000	8300	22	67	44.5	22.2	1.4
1"	24360	10800	25	76	51	25.4	1.9
1-1/8"	30600	12000	28	86	57	28.5	2.92
1-1/4"	36000	16750	32	95	63.5	31.75	3.75
1-3/8"	43000	20500	35	105	70	35	5.12
1-1/2"	54300	25000	38	114	76	38	6.5

G80 Welded D Ring TCSH035



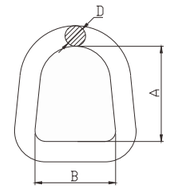


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)			N.W. (kg/pc)
			A	B	D	
14-8	2.5	10	65	55	14	0.3
17-8	4.0	16	62	64	17	0.5
19-8	6.5	26	80	72	19	0.7
22-8	8.0	32	90	76	22	1.0

G80 Forged D Ring TCSH036

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

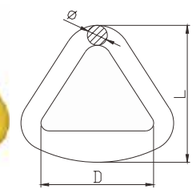




Size	W.L.L (t)	B.L (t)	Dimension (mm)			N.W. (kg/pc)
			A	B	D	
2.5T	2.5	10	65	55	14	0.3
4.0T	4	16	62	64	17	0.48
6.5T	6.5	26	80	72	19	0.71
8.0T	8.0	32	90	76	22	1.0

Forged Delta Ring TCSH037



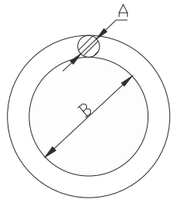


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (lbs)	B.L (lbs)	Dimension (mm)			N.W. (kg/pc)
			D	Φ	L	
3"	4500	18000	79	14	96	0.66
4"	5000	20000	110	16	118.5	0.38

Forged Round Ring TCSH038

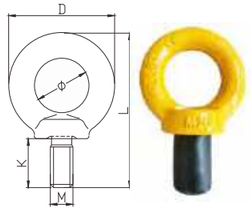




- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)		N.W. (kg/pc)
			A	B	
3/8x2	0.5	3	10	50	0.11
1/2x2	1	6	13	50	0.21
5/8x3	1.5	9	16	76	0.46
5/8x3-5/16	1.5	9	16	84	0.5
3/4x3	2.3	13.8	19	76	0.67
3/4x4	2.5	15	19	102	0.84
7/8x4	3.3	19.8	22	102	1.2
7/8x5-1/2	2.5	15	22	140	1.55
1x4	4.9	29.4	25	102	1.59
1x5-1/2	4.9	29.4	25	140	2.1
1-1/8x6	4.7	28.2	28	152	2.87
1-1/4x5	7.7	46.2	32	127	3.1
1-1/4x6	7.7	46.2	32	152	3.6
1-1/4x10	7.7	46.2	32	254	5.6
1-3/8x6	8.6	51.6	35	152	4.5
1-1/2x8	11.3	67.8	38	203	6.8
1-1/2x8-3/4	11.3	67.8	38	222	7.32
1-1/2x10	11.3	67.8	38	254	8.22
2x12	15.9	95.4	38	305	17.8

G80 Eye Screw TCSH054

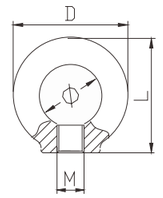


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)		Dimension (mm)				N.W. (kg/pc)
	0°	90°	D	K	Φ	L	
M6	0.4	0.15	28	13	16	42	0.05
M8	1	0.4	36	15	20	51	0.06
M10	1	0.4	45	18	25	63	0.11
M12	2	0.75	54	22	30	75	0.18
M16	4	1.5	63	28	35	88	0.28
M20	6	2.3	72	30	40	101	0.45
M24	8	3.2	90	38	50	128	0.87
M30	12	4.5	108	45	60	154	1.66
M36	16	7	126	55	70	183	2.65
M42	24	9	144	65	80	212	4.03
M48	32	12	166	70	90	238	6.38

G80 Eye Nut TCSH055



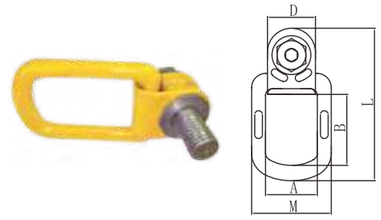


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)		Dimension (mm)			N.W. (kg/pc)
	0°	90°	D	Φ	L	
M6	0.4	0.15	36	20	36	0.049
M8	1	0.4	36	20	36	0.05
M10	1	0.4	45	25	45	0.09
M12	2	0.75	54	30	53	0.16
M16	4	1.5	63	35	62	0.24
M20	6	2.3	72	40	71	0.36
M24	8	3.2	90	50	90	0.72
M30	12	4.5	108	60	109	1.32
M36	16	7	126	70	128	2.08
M42	24	9	144	80	147	3.11
M48	32	12	166	90	168	5.02

G80 Pivoting Lifting Screw TCSH173

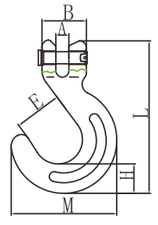
- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.



Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (g/pc)
			A	B	D	M	L	
M20	2.5	10	54	74	50	83	159	159
M24	4	16	54	88	50	83	175	175

G80 Container Hook TCSH472



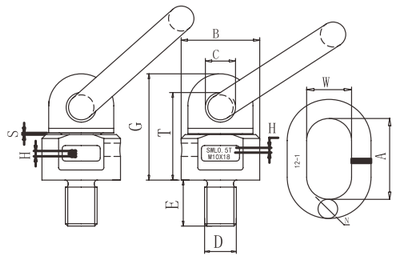


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

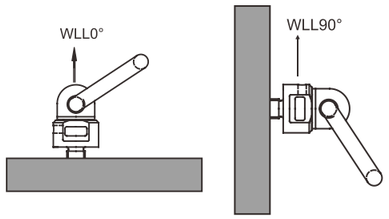
Size	W.L.L (t)	B.L (t)	Dimension (mm)						N.W. (kg/pc)
			A	B	E	H	M	L	
13-8	5	20	16	54.5	58.4	37	127	186	1.5

G80 Lifting Screw Point TCSH303





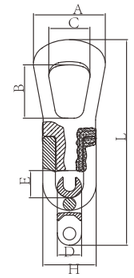
- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4times of the W.L.L.



Size	W.L.L (t)		Dimension (mm)										N.W. (kg/pc)
	90°	0°	DXE	B	C	G	T	A	W	N	H	S	
M8	0.3	0.6	M8x13	36	16.5	51	41	55	30	14	3	1	0.41
M10	0.5	0.9	M10x18	36	16.5	51	41	55	30	14	3	1	0.43
M10x90	0.5	1.0	M10x90	36	16.5	51	41	55	30	14	3	1	0.38
M12	0.5	1.0	M12x18	36	16.5	51	41	55	30	14	3	1	0.44
M12x40	0.5	1.0	M12x40	36	16.5	51	41	55	30	14	3	1	0.52
M12x45	0.5	1.0	M12x45	36	16.5	51	41	55	30	14	3	1	0.47
M12x110	0.5	1.0	M12x110	36	16.5	51	41	55	30	14	3	1	0.53
M14	1.12	2.0	M14x20	36	16.5	51	41	55	30	14	3	1	0.45
M16	1.12	2.0	M16x35	36	16.5	52	42	55	30	14	3	1	0.46
M16x40	1.12	2.0	M16x40	36	16.5	52	42	55	30	14	3	1	0.48
M16x100	1.12	2.0	M16x100	36	16.5	52	42	55	30	14	3	1	0.54
M16x120	1.12	2.0	M16x120	36	16.5	52	42	55	30	14	3.5	1	0.6
M20	2	4	M20x30	4.95	19	68	56	70	35	16	3.5	1	0.96
M20x120	2	4	M20x120	4.95	19	68	56	70	35	16	3.5	1	1.17
M24	3.15	6.3	M24x40	57	22	78	65.5	85	40	18	3.5	1.5	1.45
M24x40	3.15	6.3	M24x40	57	22	78	65.5	85	40	18	3.5	1.5	1.42
M24x90	3.15	6.3	M24x90	57	22	78	65.5	85	40	18	3.5	1.5	1.66
M24x120	3.15	6.3	M24x120	57	22	78	65.5	85	40	18	3.5	1.5	1.74
M27	3.15	6.3	M27x35	57	22	78	65.5	85	40	20	3.5	1.5	1.47
M30(5T)	5.3	10.6	M30x35	66	23.5	96.5	80.5	85	40	20	4	1.5	2.17
M30x38	5.3	10.6	M30x38	66	23.5	96.5	80.5	85	40	20	4	1.5	2.18
M30x120	5.3	10.6	M30x120	66	23.5	96.5	80.5	85	40	22	4	1.5	2.65
M30(8T)	8	11.8	M30x35	80	28	112	92	115	50	22	6	2	3.57
M30x38	8	11.8	M30x38	80	28	112	92	115	50	22	6	2	3.58
M30x120	8	11.8	M30x120	80	28	112	92	115	50	22	6	2	4.01
M36x90	8	11.8	M36x90	80	27	109	89.5	115	50	22	6	2	4.17
M36x400	8	11.8	M36x400	80	27	109	89.5	115	50	22	6	2	6.41
M39	8	11.8	M39x50	80	27	109	89.5	115	50	22	6	2	3.65
M39x90	8	11.8	M39x90	80	27	109	89.5	115	50	22	6	2	3.71
M42	10	15	M42x50	80	27	109	89.5	115	50	25	6	2.5	3.62
M42x60	10	15	M42x60	80	27	109	89.5	115	50	25	6	2.5	6.72
M42x130	10	15	M42x130	80	27	109	89.5	115	50	25	6	2.5	4.46
M42x180	10	15	M42x180	80	27	109	89.5	115	50	25	6	2.5	5.0
M45x60	10	15	M45x60	80	27	109	89.5	115	50	25	6	2.5	4.17
M48	10	15	M48x50	80	27	109	89.5	115	50	25	6	2.5	4.02
M48x110	10	15	M48x110	80	27	109	89.5	115	50	25	6	2.5	4.8
M56x84	15	25	M56x84	117	42	310	280	152	70	32	7	2.5	11.6
M64x95	15	25	M6x95	117	42	310	280	152	70	32	7	2.5	12.4

Concrete Precast Element Lifting TCSH547



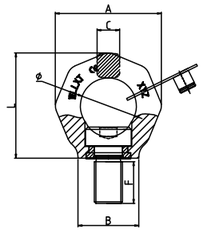


- Component A: casted super alloy.
- Component B: forged alloy steel.
- 100% magnaflux crack detection.
- Surface finish: electric galvanized, or powder coated.
- Ultimated load is 5 times of working load limit.

W.L.L (t)	B.L (t)	Dimension (mm)							N.W. (kg/pc)
		A	B	C	D	H	E	L	
2.5	12.5	95	70	58.8	27	58	35	264	1.58
5	25	117	85	66.2	37	82	45	333	3.58
10	50	148	110	84.6	50	110	56	424	9

G80 New Eye Screw TCSH092

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.



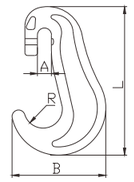


Size	W.L.L (t)	B.L (t)	Dimension (mm)					
			A	B	C	Φ	F	L
M8	0.3	1.2	47	25	8	25.5	9	47
M10	0.4	1.6	47	25	8	25.5	12	47
M12	0.75	3	56	33	10	30	14	55
M16	1.5	6	65.2	36	14	35	19.5	66
M20	2.3	9.2	75	45	17	40.5	26	76.5
M24	3.2	12.8	88	53	20	48	42.5	93
M30	4.5	18	112	62	24	60	40	116
M36	7	28	130	78	29	72	53.5	135

G80 High Tensile Hook TCSH071

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.





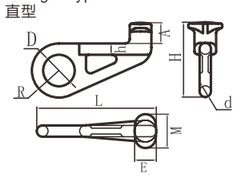
Size	W.L.L (t)	B.L (t)	Dimension (mm)				N.W. (kg/pc)
			L	A	B	R	
9-8	2.5	10	143	13.5	90.5	18.5	0.5
11-8	3.75	15	177	15.5	109.5	22	0.85
13-8	5.4	21.6	205	17.7	129	25.5	1.38

G80 Container Hook TCSH633

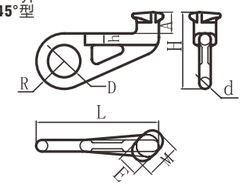


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

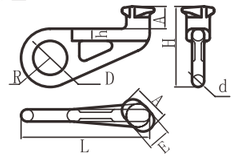
Straight Type
直型



Left Type
左45°型



Right Type
右45°型



Straight Type
直型

Size	W.L.L (t)	B.L (t)	Dimension (mm)									N.W. (kg/pc)
			A	M	H	h	E	R	D	d	L	
633-S	12.5	50	46	75	166	25	48	60	70	25	265	4

Left Type
左45°型

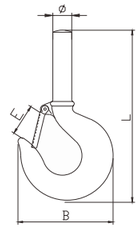
Size	W.L.L (t)	B.L (t)	Dimension (mm)									N.W. (kg/pc)
			A	M	H	h	E	R	D	d	L	
633-L	12.5	50	46	75	166	25	48	60	70	25	265	4

Right Type
右45°型

Size	W.L.L (t)	B.L (t)	Dimension (mm)									N.W. (kg/pc)
			A	M	H	h	E	R	D	d	L	
633-R	12.5	50	46	75	166	25	48	60	70	25	265	4

319 Shank Hook With Latch TCSH297

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.





Carbon W.L.L (t)	Alloy W.L.L (t)	Dimension (mm)				N.W. (kg/pc)
		B	E	Φ	L	
0.75	1	73	25	15	127	0.23
1	1.5	80.3	25.5	16.7	147	0.34
1.5	2	92	30.4	18.4	165	0.45
2	3	105	32	22.4	177.5	0.84
3	5	126	38.5	29.5	216.5	1.72
5	7	167	47	35.8	262.5	3.29
7.5	11	192	61	46	323	6.1
10	15	214.6	66	50.8	342	8.2
15	22	262.5	89.5	65	426	16

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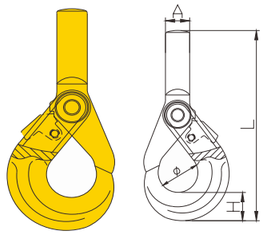
G80 U.S. Shank Self-Locking Hook TCSH011

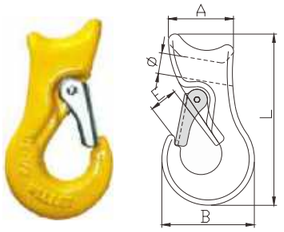


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (lbs)	B.L (lbs)	Dimension (mm)				N.W. (kg/pc)
			A	L	Φ	H	
5/16-8	4500	18000	25.4	199	42	29.5	1.27
3/8-8	7100	28400	29	243	55	34.5	2.00

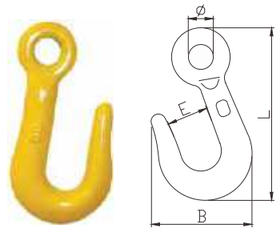
G80 Sliding Choke Hook TCSH072

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.



Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			Φ	A	B	E	L	
3/8-1/2	1.6	8	17	50	71	21	132	0.68
5/8	2	10	22	63.5	79	23	151.5	1.21
3/4	3	15	28	69	103	29	170	1.99
1	5	25	32.5	85.7	135	38	213	4.18

Agriculture Hook TCSH046



- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size(kg)	W.L.L (t)	Dimension (mm)				N.W. (kg/pc)
		Φ	B	E	L	
50	0.4	8.5	34	13	56	0.04
60	0.6	9.5	41	16	70	0.06
70	1.0	11	45.5	13	80	0.095
80	1.2	11	54	17	90	0.13
90	1.8	12.5	58	18	102	0.196
100	2.4	12.5	62	19	114.5	0.3
120	2.8	15.5	62	20	118	0.33

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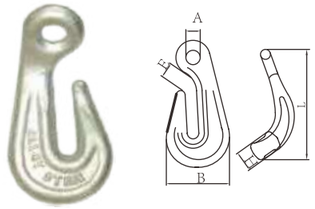
Eye Bend Hook TCSH063

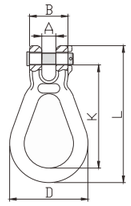


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			A	B	E	L	H	
1.86T	1.86	7.44	13	57	15	100	18.5	0.4
2T	2	8	13	58	10	105	20	0.5
5T	5	20	20	92.5	16	170	30	1.7

G70 Alloy Clevis Lug Link TCSH057

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

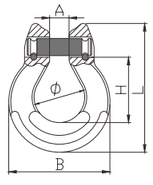




Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			B	A	D	K	L	
8mm	3.8	7.6	35	12	86	108	142	0.53
10mm	6.0	12	36	13.5	95	119	156	0.63
13mm	9.0	18	48.5	18	100	132	175	0.93

G80 Omega Link TCSH002



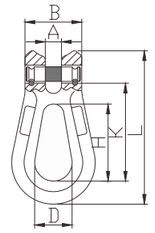


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			A	B	Φ	H	L	
6-8	1.12	4.48	8	41	20.5	25	52	0.13
7/8-8	2.0	8.0	10	52	23.5	35	68.5	0.21
10-8	3.15	12.6	12	62	31.5	40.5	81	0.36
13-8	5.3	21.2	15	81	41	54	108	0.71
16-8	8	32	19	99	49.5	64	126	1.30
20-8	12.5	50	23	118	58	75.6	152	2.2

G80 Clevis Link TCSH003



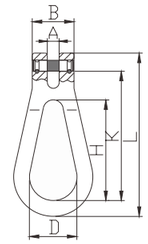


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)						N.W. (kg/pc)
			A	B	D	H	K	L	
7/8-8	2	8.0	9.5	33	27	45	69	102	0.22
10-8	3.15	12.6	13	45.5	27	45	72	116	0.45

G80 Clevis Choke Link TCSH004

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

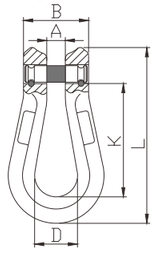




Size	W.L.L (t)	B.L (t)	Dimension (mm)						N.W. (kg/pc)
			A	B	D	H	K	L	
10-8	3.15	12.6	12.5	46	50	140	173	209	0.82
13-8	5.3	21.2	16.5	58	66	140	182	227	1.75

G80 Long Shape Omega Link TCSH005

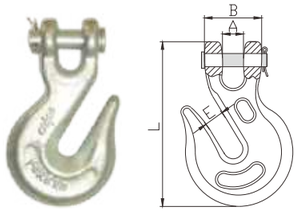




- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			A	B	D	K	L	
6-8	1.12	4.48	8	28	20	47.5	75	0.12
7/8-8	2.0	8.0	10.5	32.5	25	59	92	0.17
10-8	3.15	12.6	13	45.5	30	78.5	123	0.43
13-8	5.3	21.2	15	57.5	46	94	154	1.00

G70/G43 U.S. Type Clevis Grab Hook TCSH123

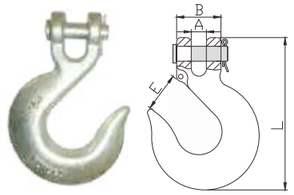


- Forged alloy steel or carbon steel.
- Only for lashing and pulling. Never to be used for lifting.
- Suitable for G70 chain or G43 chain.
- G43: B.L is 3 times of WLL;
  G70: B.L is 4 times of WLL.

Size	W.L.L (lbs)		Dimension (mm)				N.W. (kg/pc)
	Carbon	Alloy	A	B	E	L	
1/4"	2600	3500	8.5	25	9.2	78.5	0.36
5/16"	3900	4700	10	30.5	11.2	93	0.62
3/8"	5400	7100	13	35	12.7	114.5	1.00
7/16"	7200	8750	17	42	14.5	126	1.5
1/2"	9200	12000	19	47	17	144	2.22
5/8"	13000	15800	23	56	20	177	4.41
3/4"	20200	24700	24	66.5	24	207.5	6.50

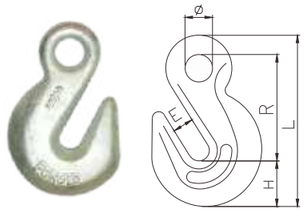
G70/G43 U.S. Type Clevis Slip Hook TCSH124

- Forged alloy steel or carbon steel.
- Only for lashing and pulling. Never to be used for lifting.
- Suitable for G70 chain or G43 chain.
- G43: B.L is 3 times of WLL;
- G70: B.L is 4 times of WLL.



Size	W.L.L (lbs)		Dimension (mm)				N.W. (kg/pc)
	Carbon	Alloy	A	B	E	L	
1/4"	1950	2750	11	27	23.5	100	0.55
5/16"	2875	4300	12.5	33	26	114	0.82
3/8"	4000	5250	15	39	32	132.5	1.21
7/16"	5000	7000	17	44	40	147	2.09
1/2"	6500	9000	19	48	42.5	166	2.99
5/8"	9250	13500	18.5	58.7	51	200.5	4.85
3/4"	12500	19250	30.5	81	64.5	257	11.28

G70/G43 U.S. Type Eye Grab Hook TCSH125

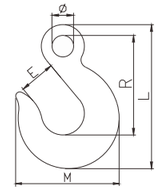


- Forged alloy steel or carbon steel.
- Only for lashing and pulling. Never to be used for lifting.
- Suitable for G70 chain or G43 chain.
- G43: B.L is 3 times of WLL;
- G70: B.L is 4 times of WLL.

Size	W.L.L (lbs)		Dimension (mm)					N.W. (kg/pc)
	Carbon	Alloy	R	H	Φ	E	L	
1/4"	2600	3500	50.5	18.5	13	9	77	0.28
5/16"	3900	4700	56.8	22.7	14	11.5	89	0.45
3/8"	5400	7100	65.2	28.3	17	13	104	0.79
1/2"	9200	12000	85.5	37.5	22	17	135	1.75
5/8"	13000	15800	116	45	30	21	180	3.25
3/4"	20200	24700	133.5	55	35	25	211	5.94

G70/G43 U.S. Type Eye Slip Hook TCSH126





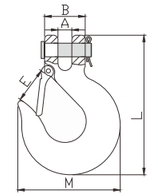
- Forged alloy steel or carbon steel.
- Only for lashing and pulling. Never to be used for lifting.
- Suitable for G70 chain or G43 chain.
- G43: B.L is 3 times of WLL;
- G70: B.L is 4 times of WLL.

Size	W.L.L (lbs)		Dimension (mm)					N.W. (kg/pc)
	Carbon	Alloy	Φ	R	L	M	E	
1/4	1950	2750	12.7	65	92	68.5	23	0.40
5/16	2875	4300	16	72.5	106	76	26	0.62
3/8	4000	5250	18	86.5	124	89.5	33	1.11
7/16	5000	7000	20.5	98.5	142	108	40	1.56
1/2	6500	9000	23	109.5	156	116.5	43	2.10
5/8	9250	13500	28.8	132.5	195	143	52	3.90
3/4	12500	19250	35	147.5	222	169	55	6.93

G70/G43 U.S.Type Clevis Slip Hook With Latch TCSH127

- Forged alloy steel or carbon steel.
- Only for lashing and pulling. Never to be used for lifting.
- Suitable for G70 chain or G43 chain.
- G43: B.L is 3 times of WLL;
- G70: B.L is 4 times of WLL.

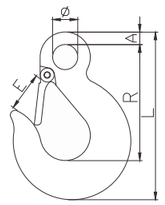




Size	W.L.L (lbs)		Dimension (mm)					N.W. (kg/pc)
	Carbon	Alloy	A	B	L	M	E	
1/4	1950	2750	11.3	27	103.5	70.5	21.5	0.53
5/16	2875	4300	13	32	117	79	25.5	0.77
3/8	4000	5250	16	40	134	93.5	33.5	1.26
7/16	5000	7000	15	44	151.5	111	36	2.25
1/2	6500	9000	19	48	168	124.5	37.5	3.06
5/8	9250	13500	18.5	58.7	200.5	143	46.5	5.18
3/4	12500	19250	30	81	256	188	58	12.4

G70/G43 U.S.Type Eye Slip Hook With Latch TCSH128





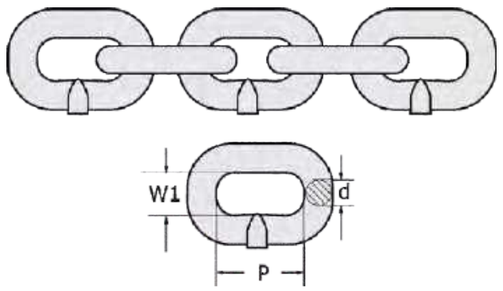
- Forged alloy steel or carbon steel.
- Only for lashing and pulling. Never to be used for lifting.
- Suitable for G70 chain or G43 chain.
- G43: B.L is 3 times of WLL;
- G70: B.L is 4 times of WLL.

Size	W.L.L (lbs)		Dimension (mm)					N.W. (kg/pc)
	Carbon	Alloy	A	Φ	R	E	L	
1/4	1950	2750	8.5	13	65.5	18.5	93	0.53
5/16	2875	4300	9	16	74	24.5	107	0.74
3/8	4000	5250	10.25	18	86.5	27	123.8	1.22
7/16	5000	7000	12.7	20.6	98.8	32	142.5	1.60
1/2	6500	9000	14.5	23	109.5	41.5	156	2.15

G100 Medium tolerance chain for chain slings

- Material: Alloy steel
- Surface treatment options:
  self-color, black tempered, painted, galvanized, etc.
- Specification: EN818-2
- Quality: G100, Chinese material and European material optional







Nominal Size mm	Material Diameter Tolerance	Weld Diameter mm	Pitch			Internal width away from weld W1 min.	External width over the weld W2 max.	Working load limit WLL (t)	Manufacturing proof force MPF(kN)	Breaking force BF(kN) min.	Bend deflection f (mm) min.	Weight
			Pn	P max.	P min.							kg/m
6	±24	6.6	18	18.5	17.5	7.8	22.2	1.4	28.3	54.8	4.8	0.8
7	±28	7.7	21	21.6	20.4	9.1	25.9	1.9	38.5	74.5	5.6	1.1
8	±32	8.8	24	24.7	23.3	10.4	29.6	2.5	50.3	98	6.4	1.4
10	±40	11	30	30.9	29.1	13	37	4	78.5	156	8	2.2
13	±52	14.3	39	40.2	37.8	16.9	48.1	6.7	133	262	10	3.8
16	±64	17.6	48	49.4	46.6	20.8	59.2	10	201	392	13	5.7
19	±1.0	19.8	57	55.6	52.4	23.4	66.6	14	254	549	14	7.3
22	±1.1	24.2	66	68	64	28.6	81.4	19	380	745	18	10.9

CHAIN INSPECTION AND MAINTENANCE

- Inspect chain before each use. Between regular inspections visually check on a daily basis the following:
- Clean chain before inspection using a non-caustic/non-acid solvent
- Lubrication of the chain may be necessary if it binds up or is noisy
- Chain feeds smoothly into and from the hoist and does not emit cracking noise when hoisting a load.
- Visually examine link by link for any nicks, gouges, weld splatter, corrosion or distorted links, pay close attention to chain's contact points, which may show excessive wear.
- Test hoist with load and observe operation of chain over load sheaves It must remember to add lubricating oil to the lifting chain in time when in use. Lubricating oil must enter the clearance between the roller and inner sleeve to improve working conditions to reduce wear.

G100 CHAIN SLING



Working Load List under Different Angle

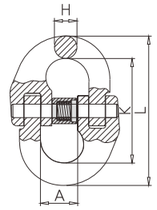
Chain Diameter mm	Workinng Load Limited (kg)					
	1 leg	2 legs		3-4 legs		Chocked Endless Sling
		0°<ß≤45°	45°<ß≤60°	0°<ß≤45°	45°<ß≤60°	
6	1400	2000	1400	3000	2120	2240
7	1900	2650	1900	4000	2800	3000
8	2500	3550	2500	5300	3750	4000
10	4000	5600	4000	8000	6000	6300
13	6700	9500	6700	14000	10000	10600
16	10000	14000	10000	21200	15000	16000
19	14000	20000	14000	30200	21200	24000
22	19000	26500	19000	40200	28000	30000

Working Load Reduction under Different Temperature

Temperature Range	Working Load Reduce
-40°C-200°C	None
200°C-300°C	10%
300°C-400°C	25%
above 400°C	Do not use!!

G100 EuropeanType Connecting Link TCSH1001





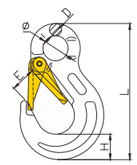
- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)				N.W. (kg/pc)
			H	A	K	L	
6-10	1.4	5.6	7.6	14	44.5	60	0.1
8-10	2.5	10	10	18.5	61.5	84.5	0.22
10-10	4	16	12.6	23	72	97.2	0.45
13-10	6.7	26.8	16.8	27.5	89	127	1.15
16-10	10	40	21	33.5	103	145	1.75
20-10	16	64	24.5	42	116	175	2.7
22-10	19	76	27	48	135	193	4.02
26-10	26.5	106	32	61	164	228	5.1
32-10	39.3	157.2	40	80	194	274	8.05

G100 Eye Sling Hook with Latch TCSH1003

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

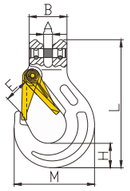




Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			D	E	H	Φ	L	
6-10	1.4	5.6	10	18.5	21	20.5	111	0.32
8-10	2.5	10	11	25	27.5	25	137.5	0.6
10-10	4	16	16	28	33	34	171.5	1.2
13-10	6.7	26.8	19	38	43.5	43	219	2.2
16-10	10	40	4.5	44	50	50	260	3.5
20-10	16	64	27	52	56	55	298	7.15
22-10	19	76	29	66	62	60	330	11.5
26-10	26.5	106	35	73	75	70	367	14
32-10	39.3	157.2	39	87	89	66	427	17.5

G100 Clevis Sling Hook with Latch TCSH1004



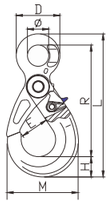


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)						N.W. (kg/pc)
			A	B	E	H	M	L	
6-10	1.4	5.6	7.5	32	18.5	21	68.5	109	0.33
8-10	2.5	10	9.5	37	25	27.5	88	134	0.7
10-10	4	16	12	48	28	33.5	105.5	161.5	1.3
13-10	6.7	26.8	15	59	38	42	134	203	2.3
16-10	10	40	17.5	70	44	50	160.5	248	3.6
20-10	16	64	25	85	52	56	190.5	297	7.3
22-10	19	76	27	100	66	62	214.5	326	12.1

G100 European Type Eye Self-Locking Hook TCSH1005



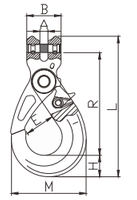


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)							N.W. (kg/pc)
			Φ	D	E	H	R	M	L	
6-10	1.4	5.6	21	43	28	20	110	70	141	0.33
8-10	2.5	10	27	51	35.5	26	137	90	175	0.7
10-10	4	16	34.5	64.5	45	30	169	108	212.5	1.3
13-10	6.7	26.8	40	80	53.5	40.5	209	138.5	270	2.3
16-10	10	40	50	104	62	50.5	254	170.5	331	3.6
20-10	16	64	60	120	76.5	62	277	192.5	369	7.3
22-10	19	76	70	134	80	66	319.5	205	417	12.1

G100 European Type Clevis Self-Locking Hook TCSH1006

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

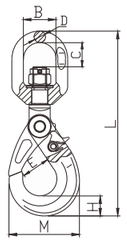




Size	W.L.L (t)	B.L (t)	Dimension (mm)							N.W. (kg/pc)
			A	B	E	H	R	M	L	
6-10	1.4	5.6	7.5	32	28	20	96	70	131	0.5
8-10	2.5	10	9.5	36	35.5	26	123	90	166	0.9
10-10	4	16	12	46	45	30	144	109	196.5	1.6
13-10	6.7	26.8	15	59	53.5	40.5	182	138.5	251	2.9
16-10	10	40	17.5	70	62	50.5	217	170.5	303	5.8
20-10	16	64	25	85	76.5	62	235	192.5	337.5	8.6
22-10	19	76	25.5	98	80	66	276.5	205	391	12.1

G100 European Type Swivel Self-Locking Hook TCSH1007



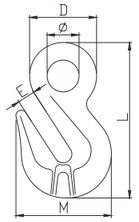


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)							N.W. (kg/pc)
			B	C	D	E	H	M	L	
6-10	1.4	5.6	32.5	23	11.5	28	20	70	184	0.6
8-10	2.5	10	36	28	13	35.5	26	90	229	1.1
10-10	4	16	42	35	15.5	45	30	109	269	2
13-10	6.7	26.8	50	40	17	53.5	40.5	138.5	330	4
16-10	10	40	61	56	21.5	62	50.5	170.5	413	6.8
20-10	16	64	72	62	26	76.5	62	192.5	463	12.5
22-10	19	76	97	94	33	80	66	205	572	17.1

G100 Eye Shortening Grab Hook TCSH1008





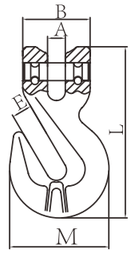
- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)				N.W. (kg/pc)
			E	Φ	D	M	
6-10	1.4	5.6	8	14.5	30.5	43.5	0.2
8-10	2.5	10	10.8	18	37	53	0.28
10-10	4	16	13.5	22.5	48.5	42	0.72
13-10	6.7	26.8	16.5	28	59	96	1.6
16-10	10	40	19.2	36	74	112.5	2.45
20-10	16	64	24	43.5	89.5	143	4.72
22-10	19	76	27	48.5	100.5	160.5	8.2

G100 Clevis Shortening Grab Hook TCSH1009

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

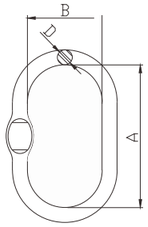




Size	W.L.L (t)	B.L (t)	Dimension (mm)				N.W. (kg/pc)
			A	B	E	M	
6-10	1.4	5.6	7.5	32	8	43.5	0.22
8-10	2.5	10	9.5	36	10.8	53	0.34
10-10	4	16	12	46	13.5	42	0.82
13-10	6.7	26.8	15	59	16.5	96	1.75
16-10	10	40	17.5	70	19.2	112.5	2.88
20-10	16	64	24	85	24	143	4.84
22-10	19	76	27	100	27	160.5	8.3

G100 Master Link with Flat TCSH1011



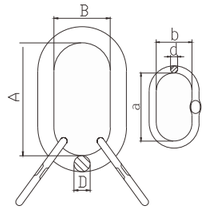


- Super Alloy Steel-Quenched and Tempered, 25% stronger than G80
- Individually Proof Test at 2.5 times Working Load Limited
- Fatigue test at 150% of working load limited for 20000 cycles
- 4 Times safety factor design
- 100% magnaflux crack detection
- Flat press available upon request

Size	W.L.L (t)	B.L (t)	Dimension (mm)			N.W. (kg/pc)
			A	B	D	
10-10	1.4	5.6	80	50	10	0.14
13-10	2.3	9.2	110	60	13	0.34
16-10	3.5	14	110	60	16	0.53
18-10	5	20	135	75	18	0.83
22-10	7.6	30.4	160	90	23	1.60
26-10	10	40	180	100	27	2.46
32-10	14	56	200	110	33	4.14
36-10	25.1	100.4	260	140	36	6.22
45-10	30.8	123.2	340	180	45	12.85
50-10	40	160	350	190	50	16.55
56-10	60	240	400	200	60	27.01
72-10	81.5	326	460	250	70	45

G100 Master Link Assembly with Flat TCSH1012



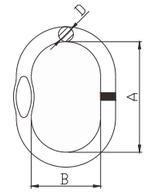


- Super Alloy Steel-Quenched and Tempered, 25% stronger than G80
- Individually Proof Test at 2.5 times Working Load Limited
- Fatigue test at 150% of working load limited for 20000 cycles
- 4 Times safety factor design
- 100% magnaflux crack detection
- Flat press available upon request

Size	W.L.L (t)	B.L (t)	Dimension (mm)						N.W. (kg/pc)
			A	B	D	a	b	d	
6-10	3	12	135	75	19	54	25	13	1.3
8-10	5.3	21.2	160	90	23	70	34	16.5	2.33
10-10	8	32	180	100	27	85	40	19	3.7
13-10	14	56	200	110	33	115	50	23	6.5
16-10	21.2	84.8	260	140	36	140	65	27	10.1

G100 Forged Master Link with Flat TCSH1013

- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

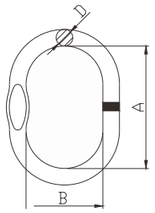




Size	W.L.L (t)	B.L (t)	Dimension (mm)			N.W. (kg/pc)
			A	B	D	
8/6-10	2.5	10	120	70	14	0.4
10/8-10	4	16	140	80	17	0.7
13/10-10	7.5	30	160	95	22	1.5
16/13-10	10	40	190	110	25	2.2
20/16-10	17	68	240	140	34	5.1
22/20-10	25	100	250	150	38	7.2

G100 Forged Large Size Master Link with Flat TCSH1014

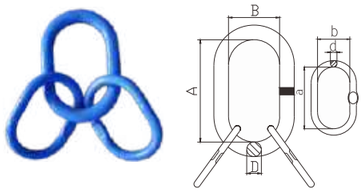




- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)			N.W. (kg/pc)
			A	B	D	
10/8-10	4	16	340	180	25	3.7
13/10-10	6.5	26	340	180	28	4.7
16/13-10	10	40	340	180	34	7.0
19/16-10	14.4	57.6	340	180	38	8.9

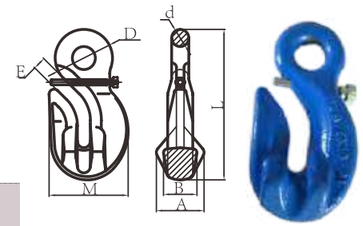
G100 Master Link Assembly with Flat TCSH1015



- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)						N.W. (kg/pc)
			A	B	D	a	b	d	
6-10	3.5	14	150	90	19	120	70	14	1.8
8-10	5	20	160	95	22	140	80	17	3.0
10-10	11.5	46	200	120	30	160	95	22	6.5
13-10	17	68	250	150	40	200	120	30	15
16-10	28	112	300	200	50	200	120	32	23

G100 Special Eye Grab Hook with Safety Pin TCSH1023

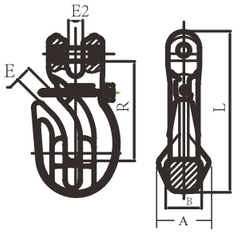


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)						N.W. (kg/pc)
			A	B	d	D	E	L	
8-10	2.5	10	35	25	12	16.5	10.5	110	0.5
10-10	4	16	64	32	15	21	14	136.5	1.0
13-10	6.7	26.8	57	40	20.5	27.5	15.5	180	2.2

G100 Special Clevis Grab Hook with Safety Pin TCSH1024



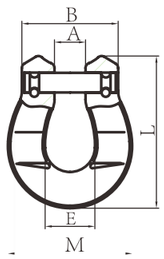


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)						N.W. (kg/pc)
			A	B	R	E2	E	L	
8-10	2.5	10	35	25	12	16.5	10.5	110	0.5
10-10	4	16	64	32	15	21	14	136.5	1.0
13-10	6.7	26.8	57	40	20.5	27.5	15.5	180	2.2

G100 Omega Link TCSH1027





- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			A	B	E	M	L	
6-10	1.4	5.6	8.5	32.5	20	44	55	0.12
8-10	2.5	10	10.5	42	24	60	73.5	0.27
10-10	4	16	12.5	48.5	31	70	90	0.44
13-10	6.7	26.8	16	60	38.5	90	109	0.89
16-10	10	40	19	75.5	51	112	141.5	1.69

G100 Rachet Binder with safety hooks TCSH1030



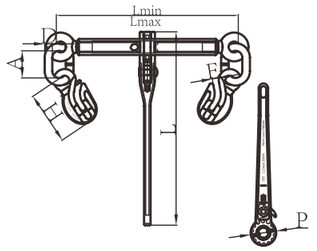
- According to EN12195-3 standard.
- Handle: forged.
- Suitable for G100 chain.
- With G100 eye grab hook with safety pin.
- Not for lifting, only for lashing.
- Surface finish: Powder coating
- Min. Breaking strength is 2 times of the W.L.L

Size	L.C. (KN)	B.L (KN)	Dimension (mm)								N.W. (kg/pc)
			A	D	H	E	L	P	Lmin	Lmax	
8-10	50	100	50	12	98	10.5	383	56	340	500	3.71
10-10	80	160	50	14	121.5	13	390	65	365	525	5.85
13-10	134	268	72	20	159.5	15.5	392.5	69	365	525	9.34

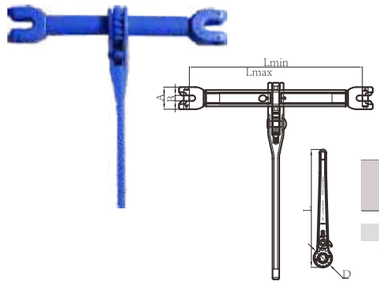
G100 Rachet Binder without link and hooks TCSH1031

Size	L.C. (KN)	B.L (KN)	N.W. (kg/pc)
8-10	50	100	2.6
10-10	80	160	4.3
13-10	134	268	5.0





G100 Clevis Type Rachet Binder TCSH1032

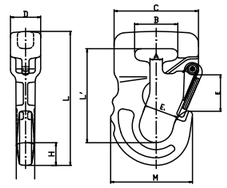


- According to EN12195-3 standard.
- Handle: forged.
- With G100 eye grab hook with safety pin.
- Not for lifting, only for lashing.
- Surface finish: Powder coating
- Min. Breaking strength is 2 times of the W.L.L

Size	L.C. (KN)	B.L (KN)	Dimension (mm)						N.W. (kg/pc)
			A	B	L	D	Lmin	Lmax	
8-10	50	100	40	10	383	56	312	472	3.5
10-10	80	160	49	13	390	65	337	497	5.5
13-10	134	268	64	16	392.5	69	347	507	7.1

G100 Webbing Sling Hook TCSH1055



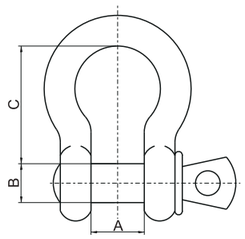


- Powder coated, different color is available as per request.
- Working load limit permanently shown on the body.
- Max proof load is 2.5 times of the working load limited.
- Min. Breaking strength is 4 times of the W.L.L.

Size	W.L.L (t)	B.L (t)	Dimension (mm)									N.W. (kg/pc)
			A	B	C	D	M	N	E	E'	L	L'	H	
10-1T	1	4	11.5	40	78	28	75.7	17	34	30	124	87	21	0.73
10-2T	2	8	18.5	44.5	91	35	90	21	40	39	148	103	27	1.27
10-3T	3	12	21	54	113	45	110	26	40	47	175	115	33	2.3
10-4T	4	16	40.5	76.5	133	56	139	32	50	60	223	147	40.5	4.6

US Type Forged Screw Pin Anchor Shackle G209





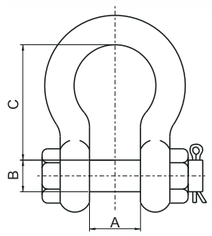
Screw pin anchor shackle meet the requirements of federal specification RR-C-271G type IVA, grade A, class 2

- Capacities 1/3 to 85 tons.
- Hot dip galvanized or electric galvanized.
- Drop forged, quenched and tempered with alloy pins.
- Working load limit permanently shown on every shackle.
- Max proof load is 2.2 times of the working load limited.
- Min. Breaking strength is 6 times or 4 times of the W.L.L. as requirement.

Nominal Size (in)	W.L.L. (t)	Dimension (in)			Weight (kg/pc)
		A	B	C	
3/16	1/3	0.38	0.25	0.88	0.02
1/4	1/2	0.47	0.31	1.13	0.05
5/16	3/4	0.53	0.38	1.22	0.09
3/8	1	0.66	0.44	1.44	0.14
7/16	1-1/2	0.75	0.50	1.69	0.17
1/2	2	0.81	0.63	1.88	0.29
5/8	3-1/4	1.06	0.75	2.38	0.63
3/4	4-3/4	1.25	0.88	2.81	1.02
7/8	6-1/2	1.44	1	3.31	1.53
1	8-1/2	1.69	1.13	3.75	2.41
1-1/8	9-1/2	1.81	1.25	4.25	3.09
1-1/4	12	2.03	1.38	4.69	4.31
1-3/8	13-1/2	2.25	1.50	5.25	6.01
1-1/2	17	2.38	1.63	5.75	7.80
1-3/4	25	2.88	2	7	13.78
2	35	3.25	2.25	7.75	20.41
2-1/2	55	4.13	2.75	10.5	38.90
3	85	5	3.25	13	72

US Type Forged Bolt Type Anchor Shackle G2130





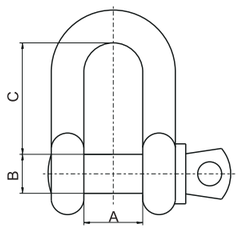
Bolt-type anchor shackle meet the requirements of federal specification RR-C-271G type 1VA, grade A, class 3

- Capacities 1/2 to 150 tons.
- Hot dip galvanized or electric galvanized.
- Drop forged, quenched and tempered with alloy pins.
- Working load limit permanently shown on every shackle.
- Max proof load is 2.2 times of the working load limited.
- Min. Breaking strength is 6 times or 4 times of the W.L.L. as requirement.

Nominal Size (in)	W.L.L. (t)	Dimension (in)			Weight (kg/pc)
		A	B	C	
1/4	1/2	0.47	0.31	1.13	0.08
5/16	3/4	0.53	0.38	1.22	0.10
3/8	1	0.66	0.44	1.44	0.15
7/16	1-1/2	0.75	0.50	1.69	0.22
1/2	2	0.81	0.63	1.88	0.36
5/8	3-1/4	1.06	0.75	2.38	0.76
3/4	4-3/4	1.25	0.88	2.81	1.23
7/8	6-1/2	1.44	1	3.31	1.79
1	8-1/2	1.69	1.13	3.75	2.78
1-1/8	9-1/2	1.81	1.25	4.25	3.75
1-1/4	12	2.03	1.38	4.69	5.31
1-3/8	13-1/2	2.25	1.50	5.25	7.18
1-1/2	17	2.38	1.63	5.75	9.43
1-3/4	25	2.88	2	7	15.38
2	35	3.25	2.25	7.75	23.70
2-1/2	55	4.13	2.75	10.5	44.57
3	85	5	3.25	13	69.85
3-1/2	120	5.25	3.75	14.5	120.20
4	150	5.5	4.25	14.63	153.32

US Type Forged Screw Pin Chain Shackle G210





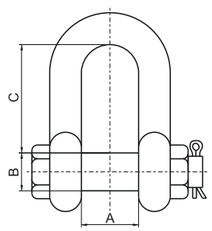
Screw pin anchor shackle meet the requirements of federal specification RR-C-271G type 1VB, grade A, class 2

- Capacities 1/3 to 85 tons.
- Hot dip galvanized or electric galvanized.
- Drop forged, quenched and tempered with alloy pins.
- Working load limit permanently shown on every shackle.
- Max proof load is 2.2 times of the working load limited.
- Min. Breaking strength is 6 times or 4 times of the W.L.L. as requirement.

Nominal Size (in)	W.L.L. (t)	Dimension (in)			Weight (kg/pc)
		A	B	C	
1/4	1/2	0.47	0.31	0.97	0.05
5/16	3/4	0.53	0.38	1.07	0.08
3/8	1	0.66	0.44	1.28	0.13
7/16	1-1/2	0.75	0.50	1.48	0.20
1/2	2	0.81	0.63	1.66	0.27
5/8	3-1/4	1.06	0.75	2.04	0.57
3/4	4-3/4	1.25	0.88	2.40	1.19
7/8	6-1/2	1.44	1	2.86	1.43
1	8-1/2	1.69	1.13	3.24	2.15
1-1/8	9-1/2	1.81	1.25	3.61	3.06
1-1/4	12	2.03	1.38	3.97	4.11
1-3/8	13-1/2	2.25	1.50	4.43	5.28
1-1/2	17	2.38	1.63	4.84	7.23
1-3/4	25	2.88	2	5.78	12.13
2	35	3.25	2.25	6.77	19.19
2-1/2	55	4.13	2.75	8.07	32.27
3	85	5	3.25	8.56	42.50

US Type Forged Bolt Type Chain Shackle G2150





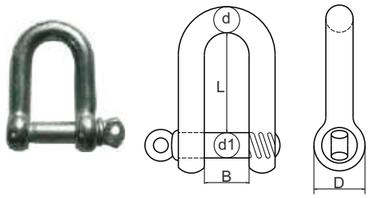
Bolt-type chain shackle meet the requirements of federal specification RR-C-271G type 1VB, grade A, class 3

- Capacities 1/2 to 150 tons.
- Hot dip galvanized or electric galvanized.
- Drop forged, quenched and tempered with alloy pins.
- Working load limit permanently shown on every shackle.
- Max proof load is 2.2 times of the working load limited.
- Min. Breaking strength is 6 times or 4 times of the W.L.L. as requirement.

Nominal Size (in)	W.L.L. (t)	Dimension (in)			Weight (kg/pc)
		A	B	C	
1/4	1/2	0.47	0.31	0.91	0.06
5/16	3/4	0.53	0.38	1.07	0.10
3/8	1	0.66	0.44	1.28	0.15
7/16	1-1/2	0.75	0.50	1.48	0.22
1/2	2	0.81	0.63	1.63	0.34
5/8	3-1/4	1.06	0.75	2	0.67
3/4	4-3/4	1.25	0.88	2.38	1.17
7/8	6-1/2	1.44	1	2.81	1.75
1	8-1/2	1.69	1.13	3.19	2.52
1-1/8	9-1/2	1.81	1.25	3.58	3.45
1-1/4	12	2.03	1.38	3.94	4.90
1-3/8	13-1/2	2.25	1.50	4.38	6.27
1-1/2	17	2.38	1.63	4.81	8.39
1-3/4	25	2.88	2	5.75	14.24
2	35	3.25	2.25	6.75	21.21
2-1/2	55	4.13	2.75	8	38.56
3	85	5	3.25	8.5	56.36
3-1/2	120	5.25	3.75	-	120
4	150	5.5	4.25	-	156

European Type Large D Shackle TCSH2005

- Capacity 80kg to 8000kg.
- Electric galvanized.

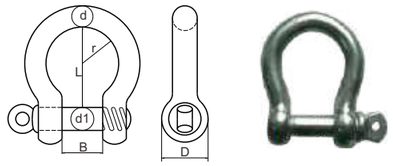


Size (mm)	W.L.L. (kg)	Dimension (mm)				Weight (kg/pc)
		B	D	L	d/d1	
5	80	11	10	19	5	0.019
6	100	14	13	25	6	0.034
8	200	18	16	32	8	0.070
10	320	20	19	38	10	0.13
12	520	26	25	51	12	0.24
16	800	33	32	64	16	0.50
20	1100	40	38	76	20	0.80
22	1500	50	44	89	22	1.30
25	2100	57	51	100	25	2.00
28	3000	68	57	115	28	3.00
32	3500	73	64	127	32	4.30
38	5000	85	76	152	38	6.75
44	7000	96	90	180	45	12.50
50	8000	108	102	200	50	17.50

European Type Large Bow Shackle TCSH2006

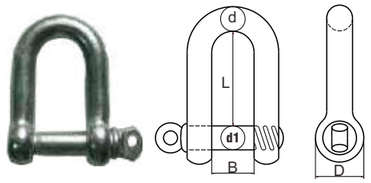
- Capacity 80kg to 8000kg.
- Electric galvanized.

Size (mm)	W.L.L. (kg)	Dimension (mm)					Weight (kg/pc)
		B	D	L	d/d1	r	
5	80	11	10	19	5	8	0.019
6	100	14	13	25	6	10	0.034
8	200	18	16	32	8	12	0.070
10	320	20	19	38	10	16	0.13
12	520	26	25	51	12	19	0.26
16	800	33	32	64	16	28	0.50
20	1100	40	38	76	20	33	0.80
22	1500	50	44	89	22	37	1.30
25	2100	57	51	100	25	40	2.00
28	3000	68	57	115	28	47	3.10
32	3500	73	64	127	32	52	4.30
38	5000	85	76	152	38	63	7.00
44	7000	96	90	180	45	75	12.50
50	8000	108	102	200	50	78	17.50



JIS Standard Commercial Type Screw Pin Chain Shackle TCSH2007

- Capacity 80kg to 8000kg.
- Electric galvanized.

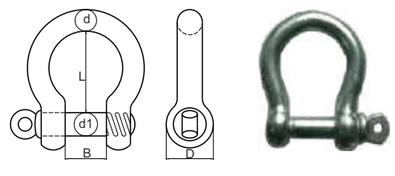


Size (mm)	W.L.L. (kg)	Dimension (mm)				Weight (kg/pc)
		B	D	L	d/d1	
5	80	10	10	18.5	5	0.014
6	100	12	11	25	6.5	0.028
8	200	14	15	31	8.5	0.049
10	320	18	17	36	10	0.049
12	520	24	23	46	13	0.180
16	800	30	32	59	17	0.420
20	1100	36	37	74	20	0.720
22	1500	43	43	86	23	1.180
25	2100	47	50	95	27	1.90
28	3000	55	56	110	30	2.65
32	3500	64	64	130	34	4.00
38	5000	76	76	145	40	7.00
44	7000	80	90	160	47	10.0
50	8000	90	100	185	53	12.5

JIS Standard Commercial Type Screw Pin Bow Shackle TCSH2008

- Capacity 80kg to 8000kg.
- Electric galvanized.

Size (mm)	W.L.L. (kg)	Dimension (mm)				Weight (kg/pc)
		B	D	L	d/d1	
5	80	10	10	18.5	5	0.026
6	100	12	11	25	6.5	0.028
8	200	14	15	31	8.5	0.065
10	320	18	17	36	10	0.080
12	520	24	23	46	13	0.200
16	800	30	32	59	17	0.495
20	1100	36	37	74	20	0.800
22	1500	43	43	86	23	1.260
25	2100	47	50	95	27	1.90
28	3000	55	56	110	30	2.65
32	3500	64	64	130	34	4.00
38	5000	76	76	145	40	7.00
44	7000	80	90	160	47	10.0
50	8000	90	100	185	53	12.5



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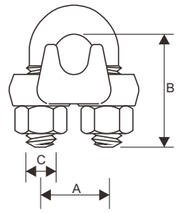
Drop-forged U.S. Type Wire Rope Clips (G450) TCSH2009

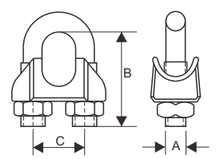
- Hot-dipped galvanized or zinc plated as requirement.
- FF-C-405 TYPE 1 CLASS1.



Size (in)	Dimension (in)			Weight (kg/pc)
	A	B	C	
1/8	0.47	0.72	0.22	0.03
3/16	0.59	0.97	0.25	0.05
1/4	0.75	1.03	0.31	0.09
5/16	0.88	1.38	0.38	0.14
3/8	1	1.5	0.44	0.21
7/16	1.19	1.88	0.5	0.34
1/2	1.19	1.88	0.5	0.36
9/16	1.31	2.25	0.56	0.47
5/8	1.31	2.38	0.56	0.48
3/4	1.5	2.75	0.62	0.68
7/8	1.75	3.12	0.75	0.96
1	1.88	3.5	0.75	1.18
1-1/8	2	3.88	0.75	1.32
1-1/4	2.31	4.25	0.88	1.96
1-3/8	2.38	4.63	0.88	2.09
1-1/2	2.59	4.94	0.88	2.45
1-5/8	2.75	5.31	1	3.18
1-3/4	3.06	5.75	1.13	4.20
2	3.38	6.44	1.25	5.90
2-1/4	3.88	7.13	1.25	7.26
2-1/2	4.13	7.69	1.25	8.62
2-3/4	4.38	8.31	1.25	10.43
3	4.75	9.19	1.50	14.06
3-1/2	5.50	10.75	1.50	18.15

U.S. Type Malleable Wire Rope Clips TCSH2010

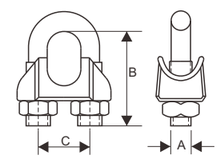




Size (in)	Dimension (mm)			N.W. (kg/pc)
	A	B	C	
1/8	5	20	11	0.02
3/16	6	24	14	0.03
1/4	8	31	17	0.05
5/16	8	34	18	0.06
3/8	10	41	22	0.10
1/2	12	53	27	0.11
5/8	14	59	33	0.25
3/4	14	68	34	0.37
7/8	16	78	41	0.53
1	16	87	45	0.68

DIN741 Malleable Wire Rope Clips TCSH2011

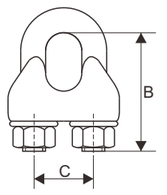




Size (mm)	Dimension (mm)			N.W. (kg/pc)
	A	B	C	
3	4	16	9	0.01
5	5	19	11	0.02
6.5	5	23	13	0.02
8	6	28	16	0.04
10	8	35	19	0.07
11	8	37	20	0.07
13	10	46	24	0.13
14	10	48	25	0.14
16	12	52	29	0.21
19	12	64	32	0.28
22	14	72	37	0.40
26	14	82	41	0.44
30	16	95	48	0.66
34	16	105	52	0.85
40	16	125	58	1.04
45	18	147	63	1.35
50	20	152	72	1.40

DIN1142 Malleable Wire Rope Clips TCSH2012

Size (mm)	Dimension (mm)			N.W. (kg/pc)
	A	B	C	
5	5	20	12	0.02
6.5	6	26	14	0.04
8	8	33	18	0.08
10	8	38	20	0.09
13	12	52	27	0.28
16	14	64	32	0.43
19	14	69	36	0.49
22	16	80	40	0.68
26	20	91	46	1.17
30	20	107	54	1.40
34	22	119	60	2.13
40	24	135	68	2.68





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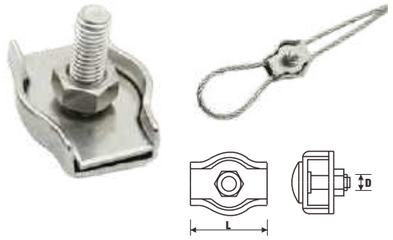
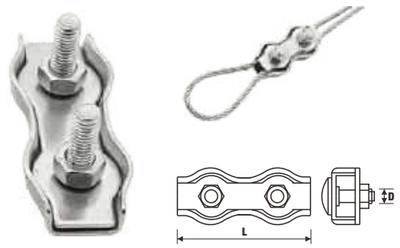


Simplex Wire Rope Clips TCSH2013

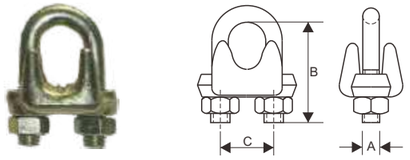
Size (mm)	Dimension (mm)		N.W. (kg/pc)
	L	D	
2	18.5	4	0.005
3	20	4	0.007
4	21.5	5	0.012
5	26	6	0.019
6	30	6	0.027
8	36	8	0.050
10	42	10	0.073



Duplex Wire Rope Clips TCSH2014

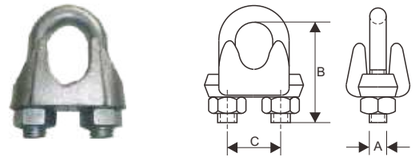
Size (mm)	Dimension (mm)		N.W. (kg/pc)
	L	D	
2	37	4	0.009
3	40	4	0.013
4	43	5	0.023
5	52	6	0.038
6	60	6	0.054
8	72	8	0.102
10	84	10	0.145

A Type Malleable Wire Rope Clips TCSH2015



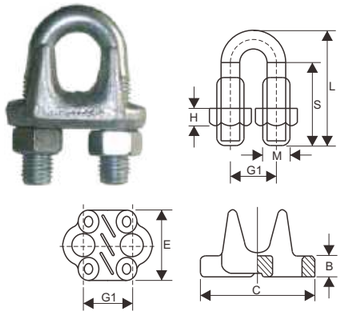
Size (mm)	Dimension (mm)			N.W. (kg/pc)
	A	B	C	
6	5	24	12	0.03
8	6	30	15	0.05
10	8	37	19	0.09
12	10	47	24	0.18
15	12	56	29	0.28
20	14	70	36	0.47
22	16	77	40	0.62
25	18	85	43	0.85
28	20	95	48	1.20
32	22	108	55	1.57
40	24	120	64	2.61
45	27	137	72	3.63
50	30	154	80	4.80

B Type Malleable Wire Rope Clips TCSH2016



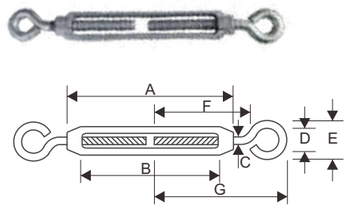
Size (in)	Dimension (mm)			N.W. (kg/pc)
	A	B	C	
1/8	4	20	9	0.01
3/16	5	26	11	0.02
1/4	6	26	12	0.03
5/16	8	31	15	0.04
3/8	8	37	21	0.08
1/2	10	46	25	0.14
5/8	12	57	30	0.23
11/16	12	64	33	0.27
3/4	16	71	36	0.44
7/8	16	77	40	0.57
1	20	88	45	0.88

JIS Type Drop Forged Wire Rope Clips (JIS-2809/1966) TCSH2017



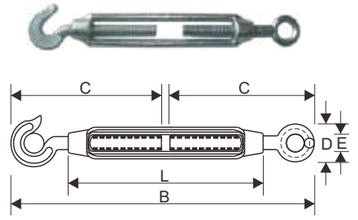
Size (mm)	Dimension (mm)								Weight (kg/pc)
	B	C	E	G1	M	H	L	S	
6	6	29	24	14	6	5	35	20	0.047
8	6	36	31	18	8	6.5	40	20	0.080
10	7	45	35	22	10	8	50	28	0.150
12	8	51	39	26	12	10	60	35	0.250
14	9	53	45	28	14	10	65	40	0.290
16	10	60	48	32	14	11	75	45	0.350
18	11	62	53	34	18	11	80	50	0.450
20-22	12	78	62	44	20	15	100	60	0.960
24-25	13	86	68	48	22	16	110	65	1.250
26-28	14	94	75	54	22	18	120	70	1.700
30-32	15	98	79	58	27	18	130	75	1.900
33-38	16	120	93	70	30	22	150	85	3.400

Korean Type Turnbuckles (malleable iron) TCSH2018



Size (in)	Dimension (mm)							Weight (kg/pc)
	A	B	C	D	E	F	G	
5/16	90	70	8	11	22	65	95	0.145
3/8	160	130	9	17	30	85	130	0.345
1/2	190	155	10	20	30	95	150	0.560
5/8	250	200	15	25	45	130	190	1.12
5/8(L)	350	300	15	30	45	180	240	1.54
3/4	250	200	20	35	45	140	210	1.67
3/4(L)	300	245	20	40	55	170	240	2.05

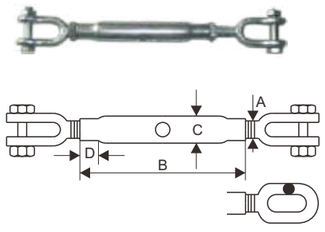
Commercial Type Turnbuckles (malleable Iron) TCSH2019



Size (mm)	W.L.L. (kg)	Dimension (mm)					Weight (kg/pc)
		B	C	D	E	L	
6	100	145	215	12	10	100	0.047
8	200	185	280	14	12	125	0.09
10	300	210	325	16	14	150	0.135
12	500	275	430	19	18	200	0.32
16	1000	345	540	23	24	250	0.62
20	1500	435	670	28	26	300	1.1
22	2200	480	740	34	32	325	1.65
24	3000	555	830	36	36	350	2.13

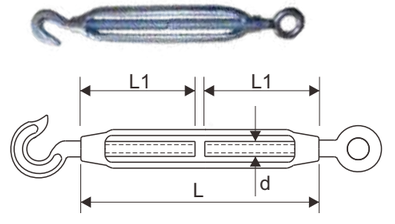
Closed Body Turnbuckle (RIGGING SCREW) TCSH2020

- The following types are available: Jaw/Jaw, Eye/Eye,Jaw/Eye
- Options: locknuts
- Finish: self-coloured or galvanized



Size (mm)	W.L.L. (t)	Min. Len (mm)	Max. Len (mm)	Dimension (mm)				Weight (kg/pc)		
				A	B	C	D	E/E	E/J	J/J
6	0.2	170	252	6	102	12	15	0.10	0.11	0.18
8	0.3	185	270	8	110	16	19	0.20	0.23	0.26
10	0.5	240	355	10	152	21	25	0.25	0.30	0.38
12	0.7	280	420	12	175	25	30	0.70	0.80	0.90
16	1.2	352	542	16	229	27	41	1.20	1.40	1.60
20	1.5	370	555	20	229	32	51	1.80	2.00	2.20
22	2.2	450	690	22	305	34	51	2.80	3.20	3.50
24	3.2	480	735	24	325	42	56	3.60	4.00	4.40
27	3.8	540	810	27	356	45	57	4.20	4.50	5.40
33	5.0	585	890	33	381	48	65	6.20	7.00	8.00
36	6.0	605	910	36	381	60	65	7.80	8.00	9.50
39	7.0	654	955	39	406	60	74	10.0	11.4	13.0
45	8.5	720	1010	45	407	60	90	15.0	16.5	18.0
50	10	735	1040	50	407	76	100	18.0	21.0	24.0

Turnbuckles JIS Frame Type With Eye And Hook TCSH2021



Option

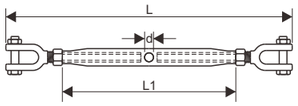
Bended hook
Welded Eye



Thread (mm)	Body Length(mm) L	Screw Length(mm) L1	d(mm)	Test Load(t)	Weight (kg/pc)
6	100	48	6	1.0	0.116
8	125	58	8	1.2	0.220
10	150	70	10	1.5	0.295
12	200	95	12	2.0	0.600
16	250	120	16	3.0	1.070
20	300	140	20	4.0	1.790
22	330	165	22	5.0	2.550
24	350	190	24	6.0	3.800

Turnbuckles, Pipe Body Type DIN1478 TCSH2022





- The following types are available: Jaw/Jaw, Eye/Eye,Jaw/Eye
- Finish: galvanized

Size	d(mm)	Body Length L1(mm)	Adjustable length (mm)	Total Length screwed in(mm)	Weight (kg/pc)
M6	6	110	90	172	0.116
M8	8	110	85	182	0.19
M10	8	125	95	213	0.31
M12	10	125	90	238	0.42
M16	10	170	120	320	0.89
M20	12	200	140	367	1.58
M24	12	255	180	447	2.92
M30	16	255	160	512	4.30
M36	16	295	180	568	6.05
M42	20	330	200	683	11.6
M48	20	355	210	755	16.0

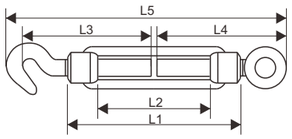
Rigging Screw (JIS F3403) TCSH2023



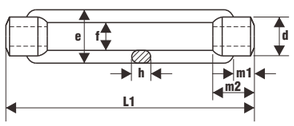
Size (mm)	Wire Rope Dia. (mm)	S.W.L (kN)
14	14	20.6
16	16	25.5
18	18	32.4
22	20-22.4	50.0
24	24	57.9
25	25	67.7
30	28-30	90.2
32	32	103.0
34	34	112.8
36	36	127.5
38	38	142.2
40	40	161.8
42	42.5	181.4
45	45	206
48	47.5	226
50	50	250.1

Turnbuckles, DIN1480 TCSH2024





Size (mm)	Dimension (mm)					Weight (kg/pc)
	L1	L2	L3	L4	L5	
M6	110	80	85	80	172	0.095
M8	110	75	85	84	182	0.165
M10	125	85	112	105	213	0.029
M12	125	80	117	115	238	0.043
M14	140	90	122	122	263	0.062
M16	170	110	138	165	320	0.092
M20	200	130	170	167	367	1.63
M22	220	145	185	167	398	2.20
M24	255	170	205	205	447	3.00
M30	255	160	225	255	512	4.60
M36	295	180	255	276	568	7.68
M42	330	200	340	260	683	12.9
M48	355	195	360	300	755	21.0



Size (mm)	Adjustable (mm)	Dimension (mm)							Weight (kg/pc)
		L1	d	e	f	h	m1	m2	
M6	80	110	12	19	9	6	12	6	0.055
M8	75	110	15	23	11	8	15	8	0.095
M10	85	125	18	30	14	9	18	9	0.155
M12	80	125	21	34	16	11	21	11	0.205
M14	90	140	25	38	18	10	24	9	0.310
M16	110	170	27	42	20	14	27	14	0.420
M20	130	200	34	52	24	17	34	17	0.740
M22	145	220	36	57	26	16	37	15	0.950
M24	170	255	39	60	28	20	39	20	1.30
M30	160	255	45	74	34	23	45	23	1.80
M36	180	295	55	86	40	28	55	28	3.10
M42	200	330	63	104	50	32	63	32	5.56
M48	195	355	80	135	65	40	78	39	9.75
M56	195	355	80	135	65	40	78	39	9.00



Turnbuckles U.S. Federal Specification (FF-T-791b, TYPE1, FORM1) TCSH2025

- Turnbuckle assembly combinations include: Eye and Eye, Hook and Hook, Hook and Eye, Jaw and Jaw & Jaw and Eye.
- End fittings are Quenched and Tempered or Normalized, bodies heat treated by normalizing.
- Hot Dip galvanized.
- Lock Nuts available for all sizes.


Eye & Eye


Hook & Hook


Jaw & Jaw


Eye & Hook


Eye & Jaw


Stud End


Body Only

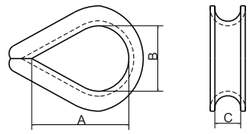

with Luck Nut

Size(dia.x take-up)	Average overall length with ends in closed position	Approx.unit weight(lbs)					W.L.L.(lbs)	
		eyes and/or hooks	jaw&eye	jaw&jaw	stub end	body only	hook&hook/hook&eye	E/E,J/E,J/J, stub end
1/4"X4"	8-1/4"	0.30	0.30	0.40	0.29	0.17	400	500
5/16"X4-1/2"	9-9/16"	0.50	0.35	0.58	0.46	0.25	700	800
3/8" X 6"	11-7/8"	0.75	0.82	0.93	0.75	0.3	1000	1200
1/2" X 6"	13-5/16"	1.50	1.62	1.68	1.36	0.55	1500	2200
1/2" X 9"	16-5/16"	1.75	1.82	1.85	1.69	0.74	1500	2200
1/2" x 12"	19-5/16"	2.18	2.19	2.20	2	0.93	1500	2200
5/8" X 6"	15-1/2"	2.63	2.59	2.82	2.15	0.91	2250	3500
5/8" X 9"	18-1/2"	3	3.01	3.25	2.7	1.2	2250	3500
5/8" X 12"	21-1/2"	3.25	3.50	3.75	3.22	1.5	2250	3500
3/4" X6"	17"	3.75	4.25	4.68	3.25	1.3	3000	5200
3/4" X 9"	20"	4.5	5	5.38	4	1.7	3000	5200
3/4" X 12"	23"	5.75	5.75	6.12	4.65	2.12	3000	5200
3/4" X 18"	29"	7	7.25	7.25	6.12	2.93	3000	5200
7/8" X 6"	18"	--	--	--	4.75	2	4000	7200
7/8" X 12"	24-5/8"	8.38	8.88	9.36	6.67	3	4000	7200
7/8" X 18"	30-5/8"	10.25	10.6	11.44	8.75	4.12	4000	7200
1" X 6"	20-5/8"	--	--	--	6.41	2.5	5000	10000
1" X 12"	26-5/8"	11.25	12	12.88	8.9	3.86	5000	10000
1" X 18"	32-5/8"	14	14.75	16.1	11.7	5.5	5000	10000
1" X 24"	38-5/8"	17	17.75	18.6	14.3	7	5000	10000
1-1/4" X 6"	20"	--	--	--	10.4	4	6500	15200
1-1/4" x 12"	29-7/8"	19	21.2	23.6	14.2	5.93	6500	15200
1-1/4" x 18"	35-7/8"	24.1	26	26.6	18	8	6500	15200
1-1/4" x 24"	41-7/8"	25	28.7	31.2	21.8	10	6500	15190
1-1/2" x 6"	22-1/2"	--	--	--	15.4	5.8	7500	21400
1-1/2" x 12"	32-3/8"	27	31.1	35.5	20.5	8.4	7500	21400
1-1/2" x 18"	38-3/8"	31.2	36.4	40.7	26.2	11.5	7500	21400
1-1/2" x 24"	44-3/8"	38.2	44.2	47.6	31.4	14.1	7500	21400
1-3/4" x 6"	--	--	--	--	22.7	8.75	--	28000
1-3/4" x 18"	41-3/4"	45	48.8	52.4	--	--	--	28000
1-3/4" x 24"	47-3/4"	58	60	64	43.9	19.5	--	28000
2" x 6"	--	--	--	--	31.5	12.5	--	37000
2" x 24"	51-3/4"	90	102	115	60.3	27.5	--	37000
2-1/2" x 6"	--	--	--	--	60.8	27	--	60000
2-1/2" x 24"	58-1/2"	183	180	200	110	54	--	60000
2-3/4" x 24"	61-1/2"	180	214	248	--	54	--	75000

G411 Standard Wire Rope Thimble TCSH2026



- Recommended for Light duty service.
- Hot-dipped galvanized or zinc plated as requirement.
- G411 meets the requirements of Federal Specification FF-T-276b.

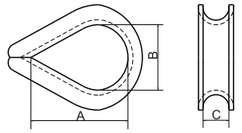


Size (in)	Dimension (in)			Weight (kg/pc)
	A	B	C	
1/8	1.31	0.69	0.16	0.013
3/16	1.31	0.69	0.22	0.013
1/4	1.31	0.69	0.28	0.013
5/16	1.5	0.81	0.34	0.018
3/8	1.63	0.94	0.41	0.029
1/2	1.88	1.13	0.53	0.057
5/8	2.25	1.38	0.66	0.113
3/4	2.5	1.63	0.78	0.227
7/8	3.5	1.88	0.94	0.385
1	4.25	2.5	1.06	0.453
1-1/8-1-1/4	4.5	2.75	1.31	0.793
1-3/8	7.54	3.54	1.42	1.266
1-1/2	8.11	4.13	1.56	1.42
1-5/8	9.06	4.33	1.69	1.726
1-3/4	9.59	4.33	1.81	2.216
1-7/8	10.4	4.5	2.05	2.333
2	10.63	4.5	2.09	2.8
2-1/2	11.63	5.98	2.52	4

G414 Extra Heavy-duty Wire Rope Thimble TCSH2027



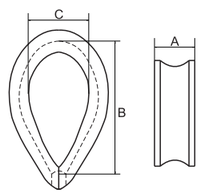
- Recommended for Light duty service.
- Hot-dipped galvanized or zinc plated as requirement.
- G414 meets the requirements of Federal Specification FF-T-276b.



Size (in)	Dimension (in)			Weight (kg/pc)
	A	B	C	
1/4	1.36	0.88	0.28	0.03
5/16	1.88	1.06	0.34	0.051
3/8	2.13	1.13	0.41	0.113
7/16	2.38	1.25	0.47	0.136
1/2	2.75	1.5	0.53	0.231
9/16	2.75	1.5	0.59	0.236
5/8	3.25	1.75	0.66	0.34
3/4	3.75	2	0.78	0.667
7/8	4.25	2.25	0.94	0.794
1	4.5	2.5	1.06	1.247
1-1/8-1-1/4	5.13	2.88	1.31	1.637
1-1/4-1-3/8	6.5	3.5	1.44	3.71
1-3/8-1-1/2	6.25	3.5	1.56	5.33
1-5/8	8	4	1.72	7.71
1-3/4	9	4.5	1.84	8.05
1-7/8-2	12	6	2.09	11.34
2-1/4	14	7	2.38	17.92
2-3/8	14.88	7	2.52	22.15
2-1/2	15.7	7.4	2.62	28.5
2-3/4	16.46	7.4	2.9	30.12
2-7/8	17.45	7.72	2.99	36
3	18.31	7.72	3.15	38.5
3-1/2	19.88	9.45	3.74	44

DIN6899A Type Wire Rope Thimble TCSH2028

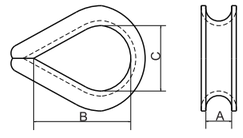




Size (mm)	Dimension (mm)			Weight (kg/pc)
	A	B	C	
2.5	3	21.5	10	0.0014
3	3.5	23.5	11	0.0035
3.5	4	26.5	12	0.0038
4	5	28.5	13	0.0042
5	6	30	14	0.0080
6	7	33	15	0.0081
7	8	35	16	0.011
8	9	39	18	0.017
9	10	43	20	0.021
10	11	47.5	22	0.035
11	12	51.5	24	0.037
12	13	56.5	26	0.053
13	14	61	28	0.073
15	16	69.5	32	0.083
16	18	78	35	0.179
18	20	86.5	40	0.27
20	22	95	44	0.36
24/26	26	90	48	0.52

DIN6899B Type Wire Rope Thimble TCSH2029

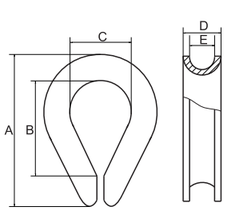




Size (mm)	Dimension (mm)			Weight (kg/pc)
	A	B	C	
2.5	3	19	12	0.005
3.5	4	21	13	0.008
4	5	23	14	0.01
5	6	25	16	0.016
6	7	28	18	0.019
7	8	32	20	0.03
9	10	38	24	0.047
11	12	45	28	0.068
13	13	48	30	0.08
14	14	51	32	0.1
15	16	58	36	0.145
16	17	61	38	0.18
17	18	64	40	0.2
18	20	72	45	0.29
20	22	80	50	0.32
22	24	90	56	0.47
24	26	99	62	0.59
26	28	112	70	0.8
28	30	120	75	1.1
30	32	128	80	0.23
32	34	152	92	1.56
34	36	160	100	1.76
36	38	176	110	1.92
38	40	184	115	2.92
40	42	192	120	3.2

European Type Wire Rope Thimble TCSH2030

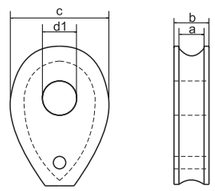




Size (mm)	Dimension (mm)					Weight (kg/pc)
	A	B	C	D	E	
4	25	20	11	7	4	0.01
5	31	24	15	8	5	0.012
6	37	29	18	10	6	0.017
7	44	34	22	11	7	0.026
8	51	38	24	12	8	0.031
10	64	46	30	14	10	0.068
12	76	57	38	18	12	0.093
14	82	60	40	20	14	0.12
16	89	64	42	22	16	0.139
18	102	69	45	26	18	0.22
20	115	79	51	28	20	0.291
22	127	89	54	30	22	0.399
24	140	102	64	34	24	0.484
26	152	105	64	34	26	0.662
28	165	115	73	38	28	0.736
30	178	121	79	44	30	1.01
32	203	133	93	46	32	1.245

DIN3091 Type Wire Rope Thimble TCSH2031

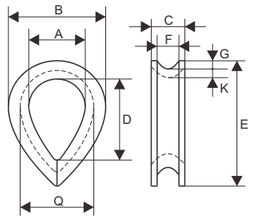




Size (mm)	Dimension (mm)				Weight (kg/pc)
	a	b	c	d1	
8	9	15	40	14	0.122
10	11	17.5	50	18	0.23
12	13	20	60	21	0.365
14	16	23.5	70	25	0.625
16	18	26	80	28	0.792
18	20	28.5	90	31	1.042
20	22	31	100	35	1.51
22	24	33.5	110	38	2.144
24	26	36	120	41	2.95
26	29	39.5	130	44	3.491
28	31	42	140	47	4.093
32	35	47	160	53	5.808
36	40	53	180	59	9
40	44	58	200	65	12.74



BS-464 British Standard Wire Rope Thimble TCSH2032



Size (in)	Dimension (in)									Weight (kg/pc)
	G	A	B	Cmin	D	E	Kmin	Fmin	Q	
5/16	5/32	7/8	1-1/2	½	15/16	2-1/8	5/32	5/16	1-3/16	0.076
3/8	1/4	1	1-7/8	9/16	1-1/2	2-1/2	3/16	13/32	1-3/8	0.09
7/16	5/16	1-1/8	2-1/8	1-1/16	1-1/2	2-7/8	3/16	1/2	1-1/2	0.12
1/2	5/16	1-1/4	2-5/16	1-3/16	1-3/4	3-1/8	7/32	9/16	1-11/16	0.189
9/16	5/16	1-1/4	2-5/16	1-3/16	1-3/4	3-1/8	7/32	9/16	1-11/16	0.189
5/8	11/32	1-5/8	2-15/16	7/8	2-5/16	3-7/8	5/16	5/8	2-1/4	0.34
11/16	3/8	1-3/4	3-1/8	1-1/8	2-5/8	4-1/4	5/16	3/4	2-3/8	0.34
3/4	7/16	2	3-5/8	1-1/8	2-7/8	4-7/8	3/8	13/16	2-3/4	0.575
7/8	1/2	2-1/4	4	1-1/4	3-1/4	4-7/8	3/8	7/8	3	0.756
15/16	1/2	2-1/2	5-11/16	1-5/16	3-5/8	5-3/4	13/32	1	3-5/16	1.25
1	9/16	2-3/4	5-11/16	1-3/8	4-1/4	6-3/8	13/32	1-1/16	3-9/16	1.25
1-1/8	5/8	3	5-1/4	1-1/2	4-3/8	7	1/2	1-1/8	4	1.51
1-1/4	5/8	3-3/4	6	1-5/8	5-1/4	7-3/4	1/2	1-5/16	4-3/4	2.04
1-3/8	3/4	4-1/8	6-7/8	1-7/8	6	9	5/8	1-1/2	5-3/8	2.4
1-1/2	15/16	4-1/2	7-3/4	2-1/8	6-1/2	10	11/16	1-5/8	5-7/8	3.5
1-5/8	15/16	4-1/2	7-3/4	2-3/16	6-1/2	10	11/16	1-11/16	5-7/8	4
1-3/4	1	5	9	2-1/4	7	11-1/4	1	2	7	6
1-7/8	1-1/8	5-1/4	9-3/4	2-5/8	7-1/2	12-1/2	1-1/8	2-3/8	7-1/2	8
2	1-3/16	5-1/2	10-1/8	2-3/4	8	13	1-1/8	2-1/4	7-3/4	8.3
2-1/8	1-3/16	5-1/2	10-1/8	2-3/4	8	13	1-1/8	2-1/2	7-3/4	-
2-1/4	1-1/4	5-3/4	10-5/8	3	8-1/2	14	1-3/16	2-5/8	8-1/4	13
2-1/2	1-3/4	6-1/4	12-1/4	3-3/4	9-1/2	16-1/4	1-1/4	2-3/4	8-3/4	15

DIN580 Eye Screw TCSH2033



Size (mm)	W.L.L (t)	Dimension (mm)		N.W. (kg/pc)
		A	B	
M6	0.07	16	13	0.05
M8	0.14	20	15	0.06
M10	0.23	25	18	0.11
M12	0.34	30	22	0.18
M14	0.49	35	28	0.27
M16	0.7	35	28	0.28
M20	1.2	40	30	0.45
M22	1.5	45	35	0.67
M24	1.8	50	38	0.87
M27	2.5	50	38	0.88
M30	3.6	60	45	0.66
M33	4.3	60	45	1.72
M36	5.1	70	55	2.65
M39	5.1	70	55	2.8
M42	7	80	65	4.03
M45	8	80	65	4.25
M48	8.6	90	70	6.38
M52	9.9	90	70	6.6
M56	11.5	100	80	8.8
M64	16	110	90	12.4

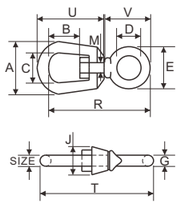
DIN582 Ring Nut TCSH2034



Size (mm)	W.L.L (t)	Dimension (mm)		N.W. (kg/pc)
		A	B	
M6	0.07	20	8.5	0.05
M8	0.14	20	8.5	0.05
M10	0.23	25	10	0.09
M12	0.34	30	11	0.16
M14	0.49	35	13	0.24
M16	0.7	35	13	0.24
M20	1.2	40	16	0.36
M22	1.5	45	18	0.58
M24	1.8	50	20	0.72
M27	2.5	50	20	0.7
M30	3.6	60	25	1.32
M33	4.3	60	25	1.3
M36	5.1	70	30	2.08
M39	5.1	70	30	2.02
M42	7	80	35	3.11
M45	8	80	35	3.04
M48	8.6	90	40	5.02
M52	9.9	90	40	4.95
M56	11.5	100	45	6.69
M64	16	110	50	6.69

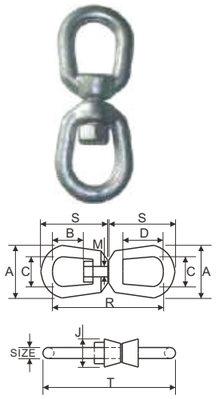
Chain Swivels G-401 TCSH2035





- Forged carbon steel
- Quenched & tempered &Hot dipped galvanized
- Ultimate load is 5 times of the working load limit

Size (in)	W.L.L. (lbs)	Weight (kg)	Dimension (in)											
			A	B	C	D	E	G	J	M	R	T	U	V
1/4	850	0.13	1.25	0.69	0.75	0.62	1.12	0.25	0.69	0.31	2.25	2.75	1.69	1.25
5/16	1250	0.25	1.63	0.81	1.00	0.75	1.38	0.31	0.81	0.38	2.72	3.34	2.06	1.47
3/8	2500	0.61	2.00	0.94	1.25	1.00	1.75	0.38	1.00	0.50	3.44	4.19	2.50	1.88
1/2	3600	1.12	2.50	1.31	1.50	1.25	2.25	0.50	1.31	0.63	4.25	5.25	3.19	2.44
5/8	5200	1.75	3.00	1.56	1.75	1.50	2.75	0.62	1.50	0.75	5.13	6.31	3.88	2.94
3/4	7200	3.09	3.50	1.75	2.00	1.75	3.25	0.75	1.88	0.88	5.78	7.22	4.94	3.46



Regular Swivels G-402 TCSH2036

- Forged carbon steel
- Quenched & tempered &Hot dipped galvanized
- Ultimate load is 5 times of the working load limit

Size (in)	W.L.L.(lbs)	Weight(kg)	Dimension (in)								
			A	B	C	D	J	M	R	S	T
1/4	850	0.21	1.25	0.69	0.75	1.06	0.69	0.31	2.94	1.69	3.44
5/16	1250	0.39	1.63	0.81	1.00	1.25	0.81	0.38	3.56	2.06	4.19
3/8	2500	0.75	2.00	0.94	1.25	1.50	1.00	0.50	4.31	2.50	5.06
1/2	3600	1.43	2.50	1.31	1.50	2.00	1.31	0.63	5.44	3.19	6.44
5/8	5200	2.50	3.00	1.56	1.75	2.38	1.50	0.75	6.56	3.88	7.81
3/4	7200	4.13	3.50	1.75	2.00	2.63	1.88	0.88	7.19	4.31	8.69
7/8	10000	6.25	4.00	2.06	2.25	3.06	2.13	1.00	8.38	5.00	10.13
1	12500	9.00	4.50	2.31	2.50	3.50	2.38	1.13	9.63	5.75	11.63
1-1/4	18000	16.37	5.63	2.69	3.13	3.69	3.00	1.38	11.13	6.75	13.36
1-1/2	45200	49.06	7.00	4.19	4.00	4.19	4.00	2.25	17.13	10.00	20.13



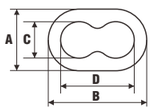
Jaw End Swivels G-403 TCSH2037

- Forged carbon steel
- Quenched & tempered &Hot dipped galvanized
- Ultimate load is 5 times of the working load limit

Size (in)	W.L.L.(lbs)	Weight(kg)	Dimension (in)												
			A	B	C	G	J	K	L	M	N	F	R	T	U	V
1/4	850	0.25	1.25	0.69	0.75	0.69	0.69	0.47	1.03	0.31	0.88	0.25	2.63	3.38	1.69	1.69
5/16	1250	0.37	1.63	0.81	1.00	0.81	0.81	0.50	1.13	0.38	0.88	0.31	2.94	3.88	2.06	1.81
3/8	2500	0.70	2.00	0.94	1.25	1.00	1.00	0.63	1.41	0.50	1.06	0.38	3.63	4.75	2.50	2.25
1/2	3600	1.43	2.50	1.31	1.50	1.31	1.31	0.75	1.75	0.63	1.31	0.50	4.50	6.06	3.19	2.88
5/8	5200	2.48	3.00	1.56	1.75	1.63	1.50	0.94	2.06	0.75	1.50	0.63	5.31	7.31	3.88	3.44
3/4	7200	3.88	3.50	1.75	2.00	1.88	1.88	1.13	2.53	0.88	1.75	0.75	6.06	8.31	4.31	4.00
7/8	10000	5.75	4.00	2.06	2.25	2.13	2.13	1.19	2.75	1.00	2.06	0.88	7.00	9.53	5.00	4.53
1	12500	10.25	4.50	2.31	2.50	2.63	2.38	1.75	3.72	1.13	2.81	1.13	8.56	11.69	5.75	5.94
1/4	18000	15.75	5.69	2.69	3.13	3.31	3.00	2.06	4.31	1.38	2.81	1.38	9.44	13.13	6.75	6.38
1/2	45200	54.75	7.00	4.19	4.00	5.63	4.00	2.88	6.00	2.25	4.41	2.25	14.74	20.84	10.00	10.84

Aluminum Sleeve (JIS Standard) TCSH2038

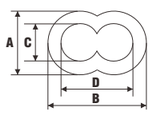




Rope Dia. (mm)	Dimension (mm)				Length (mm)	N.W. (g/pc)
	A	B	C	D		
6	13.5	20.3	6.9	13.7	24	11.5
8	17.4	26.3	9.2	18.4	32	25
9	18.9	29.2	10.3	20.6	36	32
10	20.5	32	11.5	23	40	42
12	24.6	38.4	13.8	27.6	48	74
14	28.1	44.2	16.1	32.2	56	109
16	31.4	49.8	18.4	36.8	64	155
18	34.7	55.4	20.7	41.4	72	209

Aluminum Sleeve (US Standard) TCSH2039

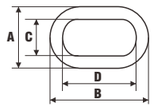




Rope Dia. (mm/in)	Dimension (mm)				Length (mm)	N.W. (g/pc)
	A	B	C	D		
1/16"	4.37	6.35	1.96	4	9.6	0.41
5/64"	5.56	7.95	2.39	4.8	9.6	0.73
3/32"	7.06	10.26	3.30	6.5	12.7	1.45
1/8"	8.71	12.70	3.96	7.9	15.9	2.90
5/32"	9.53	14.30	4.75	9.5	17.5	3.63
3/16"	11.20	16.90	5.66	11.4	25.4	7.17
7/32"	12.70	19.10	6.35	12.7	27.0	10.07
1/4"	13.61	20.80	7.37	14.6	28.6	11.43
9/32"	14.27	22.35	7.92	16.0	30.2	12.81
5/16"	17.45	26.19	9.53	18.3	31.7	20.41
3/8"	19.05	29.36	11.13	21.4	36.5	27.53
7/16"	23.8	36.50	12.7	25.4	42.8	53.52
1/2"	27	41.28	14.27	28.5	50.8	79.83

Aluminum Sleeve (DIN3093 Standard) TCSH2040



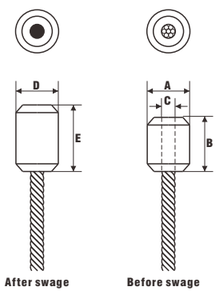


Rope Dia. (mm)	Dimension (mm)				Length (mm)	N.W. (g/pc)
	A	B	C	D		
1	3	4.3	1.3	2.6	5	0.11
1. 5	3.5	5.3	1.8	3.6	6	0.21
2	4.5	6.9	2.4	4.8	7	0.24
2. 5	5.1	8.1	3.0	6.0	9	0.50
3	6.1	9.6	3.5	7.0	11	0.84
3. 5	7.0	11.0	4.0	8.0	13	1.32
4	7.9	12.4	4.5	9.0	14	1.81
4. 5	8.9	14.0	5.1	10.2	16	2.61
5	9.8	15.4	5.6	11.2	18	3.57
6	11.6	18.2	6.6	13.2	21	5.86
6. 5	12.6	19.8	7.2	14.4	23	7.85
7	13.6	21.4	7.8	15.6	25	9.53
8	15.4	24.2	8.8	17.6	28	13.7
9	17.3	27.2	9.9	19.8	32	19.8
10	19.1	30.0	10.9	21.8	35	26.4
11	21.1	33.2	12.1	24.2	39	35.6
12	23.0	36.2	13.2	26.4	42	45.8
13	25.0	39.2	14.2	28.4	46	59.7
14	26.0	42.2	15.3	30.5	49	73.5

Rope Dia. (mm)	Dimension (mm)				Length (mm)	N.W. (g/pc)
	A	B	C	D		
16	30.9	48.4	17.5	35.0	56	111
18	34.8	54.4	19.6	39.2	63	159
20	38.5	60.2	21.7	43.4	70	217
22	42.7	67.0	24.3	48.6	77	292
24	46.4	72.8	26.4	52.8	84	376
26	50.3	78.8	28.5	57.0	91	481
28	54.5	85.4	31.0	62.0	98	603
30	58.1	91.2	33.0	66.2	105	735
32	62.0	97.5	35.2	70.4	112	897
34	66.2	104	37.8	75.6	119	1082
36	69.8	109.6	39.8	79.6	126	1275
38	73.5	115.4	41.9	83.8	133	1503
40	77.2	121.2	44.0	88.0	140	1734
42	81.2	127.4	46.2	92.4	147	2024
44	85	133.4	48.4	96.8	154	2600
46	89	139.6	50.6	101.2	161	2662
48	92.8	145.6	52.8	105.6	168	3010
52	100.4	157.6	57.2	114.4	182	3960
54	104.4	163.8	59.4	118.8	189	4293
56	108.2	169.8	61.6	132.2	196	6120

Steel Swaging Sleeve (S409) TCSH2041





Surface: Ungalvanized or Electric Galvanized.

Stock No.	Rope Dia.		Dimension (in)					Weight(kg)
	(in.)	(mm)	A	B	C	D	E	
S409-03	1/8	3.18	0.44	0.55	0.14	0.40	0.61	0.009
S409-05	3/16	4.76	0.56	0.70	0.20	0.52	0.84	0.018
S409-06	1/4	6.35	0.63	1.06	0.30	0.58	1.20	0.036
S409-08	5/16	7.94	0.88	1.13	0.36	0.77	1.33	0.072
S409-10	3/8	9.53	0.88	1.48	0.42	0.77	1.69	0.068
S409-11	7/16	11.11	1.13	1.63	0.48	1.03	1.94	0.136
S409-13	½	12.70	1.31	1.89	0.55	1.16	2.17	0.227
S409-14	9/16	14.29	1.44	2.02	0.61	1.29	2.41	0.317
S409-16	5/8	15.88	1.56	2.42	0.67	1.42	2.89	0.454
S409-19	3/4	19.05	1.69	2.73	0.79	1.55	3.25	0.595
S409-22	7/8	22.23	2.00	3.27	0.94	1.80	3.86	1.020
S409-26	1	25.40	2.25	3.67	1.06	2.05	4.36	1.407
S409-28	1-1/8	28.58	2.56	4.05	1.19	2.30	4.81	2.043
S409-32	1-1/4	31.75	2.81	4.58	1.33	2.56	5.42	2.951

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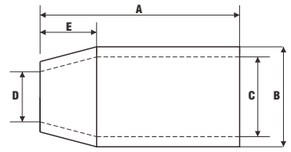
Steel Swaging Sleeve (S505) TCSH2042



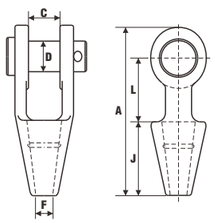


Surface: Ungalvanized or Electric Galvanized.

Stock No.	Rope Dia.		Dimension (mm)					Dia. after swage(mm)	Weight(kg)
	(in.)	(mm)	A	B	C	D	E		
S505-06	1/4	6.35	25.4	16.76	7.87	7.11	11.94	14.48	0.023
S505-08	5/16	7.94	38.10	23.11	9.65	11.18	15.75	19.05	0.064
S505-10	3/8	9.53	38.10	23.11	11.94	9.91	16.76	19.05	0.064
S505-11	7/16	11.11	50.80	30.99	13.46	16.51	21.59	25.65	0.150
S505-13	½	12.70	50.80	30.99	16.00	14.22	23.11	25.65	0.130
S505-14	9/16	14.29	69.85	37.34	17.76	16.00	26.16	31.50	0.290
S505-16	5/8	15.88	69.85	37.34	19.05	16.00	27.69	31.50	0.260
S505-19	3/4	19.05	81.03	43.69	23.11	21.34	32.51	37.08	0.400
S505-22	7/8	22.23	90.42	51.56	26.16	25.40	38.86	42.67	0.600
S505-26	1	25.40	101.60	57.91	29.46	28.70	43.69	49.02	0.890
S505-28	1-1/8	28.58	121.92	63.50	32.51	31.75	49.28	54.10	1.180
S505-32	1-1/4	31.75	131.63	70.61	36.58	35.81	54.66	58.93	1.610
S505-35	1-3/8	34.93	147.57	76.20	39.62	39.62	60.45	64.00	1.920
S505-38	1-1/2	38.10	158.75	82.55	42.93	42.93	66.80	68.83	2.270
S505-45	1-3/4	44.45	184.15	97.54	49.28	50.04	79.50	78.74	3.660
S505-50	2	50.80	215.90	111.25	57.15	57.15	92.20	90.42	5.140
S505-57	2-1/4	57.15	242.82	127.56	63.50	64.26	102.36	104.65	8.790
S505-64	2-1/2	63.50	266.70	139.70	69.85	71.37	114.30	114.30	10.68
S505-70	2-3/4	69.85	292.10	146.05	76.20	78.49	120.65	119.38	12.71
S505-76	3	76.20	304.80	152.40	82.55	85.85	127.00	125.98	13.35
S505-82	3-1/4	82.55	330.20	165.10	98.04	89.92	137.92	136.40	16.50
S505-89	3-1/2	88.90	355.60	177.80	98.55	100.08	148.34	146.56	21.06
S505-95	3-3/4	95.25	381.00	190.50	103.12	107.95	160.27	158.24	24.97
S505-100	4	101.60	406.40	206.50	111.25	114.30	172.97	169.93	30.87
S505-115	4-1/2	114.30	457.20	231.90	123.95	128.52	194.56	189.23	45.40
S505-130	5	127.00	508.00	267.21	139.70	143.00	221.74	210.31	66.00
S505-150	8	152.40	609.60	318.52	165.10	171.43	259.08	252.22	123.00

U.S. Type Grooved Open Spelter Sockets (US416) TCSH2043





Diameter (in)	Dimension (mm)					
	A	C	D	F	J	L
1/4	115.8	23.1	17.5	9.7	57	40
5/16-3/8	123	20.6	20.6	12.7	57	44.5
7/16-1/2	141.2	25.4	25.4	14.2	64	51
9/16-5/8	171.5	32	30	17.5	76	64
3/4	202	38.1	38.1	20.6	89	76
7/8	235	44.5	44.5	23.9	102	89
1	268	50.8	50.8	28.7	114	102
1-1/8	300	57.2	57.2	31.8	127	117
1-1/4-1-3/8	335	63.5	63.5	38.1	140	127
1-1/2	384	76.2	70	41.4	152	152
1-5/8	413	76.2	76.2	44.5	165	165
1-3/4-1-7/8	464	89	89	51	191	178
2-2-1/8	546	102	95.3	57	216	229
2-1/4-2-3/8	597	114.3	108	63.5	229	254
2-1/2-2-5/8	648	127	120.7	73	248	273
2-3/4-2-7/8	692	133.4	127	79	279	279
3-3-1/8	737	146	133.4	86	305	286
3-1/4-3-3/8	784	159	140	92	330	298
3-1/2-3-5/8	845	171.5	152.4	98.6	356	318
3-3/4-4	921	191	177.8	108	381	343

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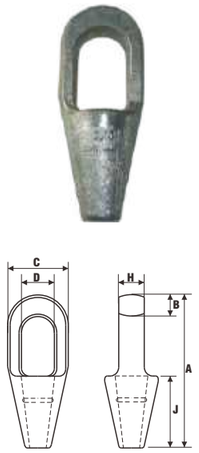
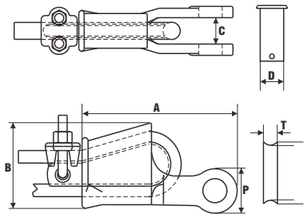
U.S. Type Grooved Closed Spelter Sockets (US417) TCSH2044



Diameter (in)	Dimension (mm)						
	A	B	C	D	F	J	H
1/4	11.43	12.7	38	22.4	9.7	57	13
5/16-3/8	124	16	43	24.6	12.7	57	18
7/16-1/2	138.2	18	51	30	14.2	64	22
9/16-5/8	160.3	1	67	36	19.5	76	25
3/4	192	27	76	42	20.6	89	32
7/8	222.3	32	92	48	23.9	102	38
1	251	35	105	58	28.7	114	44
1-1/8	279	38	114	65	31.8	127	51
1-1/4-1-3/9	308	41.4	135	71.4	38.1	140	57
1-1/2	354	49	135	81	41.4	152	64
1-5/8	384	54	146	83	44.5	165	70
1-3/4-1-7/8	438	56	171	95	51	191	76
2-2-1/8	495	62	194	111	57	216	83
2-1/4-2-3/8	537	67	216	127	63.5	229	92
2-1/2-2-5/8	597	79	241	140	73	248	102
2-3/4-2-7/8	645	79	273	159	79	279	124
3-3-1/8	686	83	392	171	86	305	133
3-1/4-3-3/8	743	102	311	184	92	330	146
3-1/2-3-5/8	787	102	330	197	98.6	356	159
3-3/4-4	845	108	362	216	108	381	178

U.S. Type Wedge Sockets (US421) TCSH2045

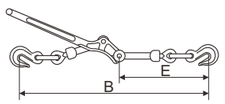


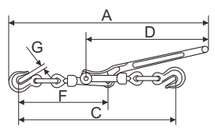
Diameter (in)	Dimension (in)							
	A	B	C	D	P	T	U	V
3/8	5.63	2.77	0.81	0.81	1.56	0.44	1.25	1.38
1/2	6.81	3.55	1	1	1.94	0.53	1.75	1.88
5/8	8.16	4.36	1.25	1.19	2.25	0.69	2	2.19
3/4	9.78	4.81	1.5	1.38	2.62	0.78	2.34	2.56
7/8	11.16	4.65	1.75	1.63	3.12	0.88	2.69	2.94
1	12.75	5.08	2	2	3.75	1.03	2.88	3.28
1-1/8	14.38	5.51	2.25	2.25	4.25	1.19	3.13	3.56
1-1/4	16	7.94	2.5	2.5	4.75	1.31	3.38	3.81

Lever Type Load Binder(Hook) TCSH2046

- Safety, durability designed for all heavy duty transport use.
- Drop forged steel, high strength
- Free 360 degree swivel hooks for easier handling.
- Heat-treated for extra strength.
- Each binder individually proof tested.
- Drop forged or casting is available as requirement.







Chain Size (in)	W.L.L.(lbs)	Proof Load(lbs)	Min. Ultimate Load(lbs)	Weight (lbs)	Handle Length (in)	Dimension (in)						
						A	B	C	D	E	F	G
1/4-5/16	2600	5200	7800	3.52	11.42	18.5	17.3	14.17	11.42	8.27	8.07	0.35
5/16-3/8	5400	10800	19000	8.37	15.43	25.2	23.2	19.49	15.55	11.22	11.22	0.51
3/8-1/2	9200	18400	28000	12.11	17.24	28.5	26.38	22.05	17.64	12.99	12.20	0.59
1/2-5/8	11000	22000	44000	19.7	21.00	33.86	30.12	25.78	20.87	14.37	14.37	0.74

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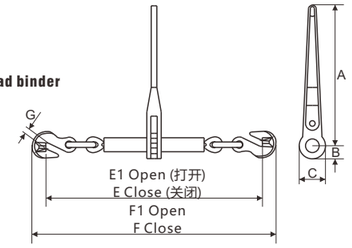
Ratchet Type Load Binder TCSH2047

- Safety, reliable design for easy operation.
- No requirement for locking of handle than lever type load binder
- High quality drop forged construction.
- Heat treated for extra strength
- Each binder individually proof tested.

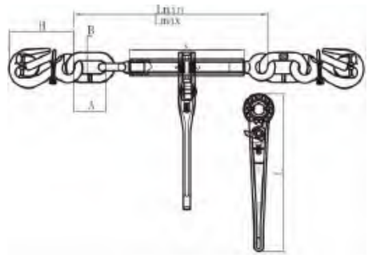




Chain Size (in)	W.L.L.(lbs)	Proof Load(lbs)	Min. Ultimate Load(lbs)	Weight (lbs)	Handle Length (in)	Dimension (in)							
						A	B	C	E	E1	F	F1	G
1/4-5/16	2600	5200	7800	3.52	7.16	7.16	0.89	1.77	16.22	21.26	17.79	22.83	0.35
5/16-3/8	5400	10800	19000	10.50	13.42	13.92	1.30	2.60	22.64	30.64	25.24	33.24	0.51
3/8-1/2	9200	18400	33000	12..90	13.92	13.92	1.30	2.60	24.13	32.13	27.04	35.04	0.59
1/2-5/8	13000	26000	46000	14.38	13.92	13.92	1.30	2.60	26.45	34.45	30.07	38.07	0.74

Ratchet Type Load Binder with Safety Pin TCSH2048

G80

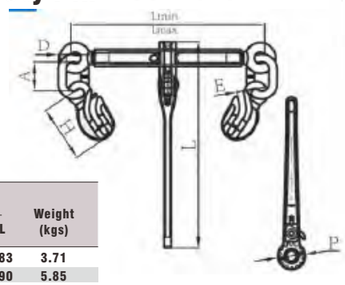




Chain Size (mm)	W.L.L. (KN)	Proof Load(KN)	Dimension (mm)						Weight (kgs)
			A	B	H	Lmin.	Lmax.	L	
8	40	79	50	25	92	340	500	210	3.18
10	63	125	50	25	118	365	525	280	5.3
13	100	197	72	30	147	365	525	355	8.4
16	160	315	72	32	178	390	550	355	8.8

Ratchet Type Load Binder with Safety Pin TCSH2049

G100





Chain Size (mm)	W.L.L. (KN)	Proof Load(KN)	Dimension (mm)								Weight (kgs)
			A	D	H	E	P	Lmin.	Lmax.	L	
8	50	100	50	12	98	10.5	56	340	500	383	3.71
10	80	160	50	14	122	13	65	365	525	390	5.85
13	134	268	72	20	160	15.5	69	365	525	393	9.34

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European Type Dee Shackle TCSH3001

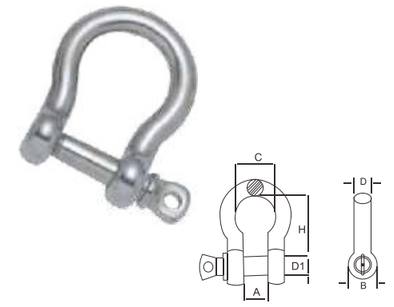
STAINLESS STEEL 304/316



Size (mm)	Dimension (mm)					W.L.L (kg)	N.W. (g/pc)
	H	A	B	D	D1		
5	20	10	11	5	5	80	18
6	25	13	14	6	6	100	32
8	32	16	18	8	8	200	67
10	38	19	20	10	10	320	126
12	51	25	26	12	12	520	235
16	64	32	33	16	16	800	495
20	76	38	40	20	20	1100	790
22	89	44	50	22	22	1500	1280
25	100	51	57	25	25	2100	1980
28	115	57	73	28	28	3000	2970

European Type Bow Shackle TCSH3002

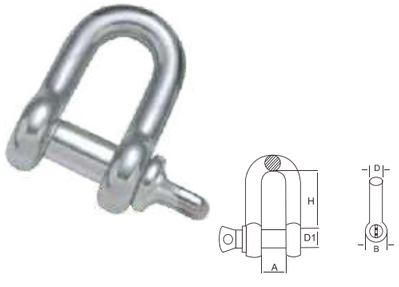
STAINLESS STEEL 304/316



Size (mm)	Dimension (mm)						W.L.L (kg)	N.W. (g/pc)
	H	A	B	C	D	D1		
5	19	10	11	16	5	5	80	19
6	25	13	14	20	6	6	100	34
8	32	16	18	24	8	8	200	70
10	38	19	20	32	10	10	320	130
12	51	25	26	38	12	12	520	260
16	64	32	33	56	16	16	800	500
20	76	38	40	66	20	20	1100	800
22	89	44	50	74	22	22	1500	1300
25	100	51	57	80	25	25	2100	2000
28	115	57	73	94	28	28	3000	3000

U.S Type Dee Shackle TCSH3003

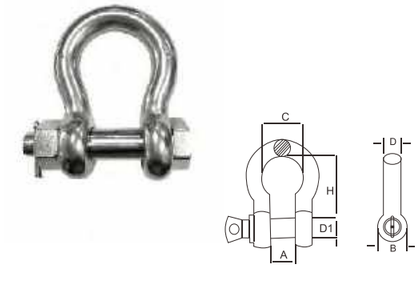
STAINLESS STEEL 304/316



Size (in)	Dimension (mm)				D1(in)	W.L.L (kgs)	N.W. (g/pc)
	H	A	B	D			
3/16	22	9	14	5	1/4	250	21
1/4	28	12	15	6	5/16	330	50
5/16	31	13	19	8	3/8	500	77
3/8	36	16	23	10	7/16	750	109
7/16	42	18	27	11	1/2	1000	182
1/2	48	21	30	12	5/8	1500	268
5/8	60	27	38	16	3/4	2250	550
3/4	71	32	46	20	7/8	3250	1020
7/8	84	36	53	22	1	4250	1440
1	95	43	60	25	1-1/8	5500	2150

U.S type Bow Shackle TCSH3004

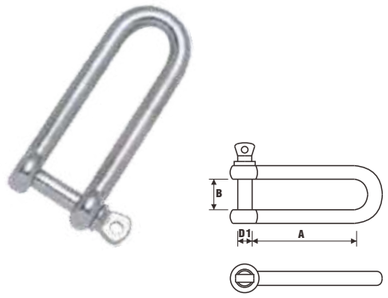
STAINLESS STEEL 304/316



Size (in)	Dimension (mm)					D1(in)	W.L.L (kgs)	N.W. (g/pc)
	H	A	B	C	D			
3/16	22	9	14	15	5	1/4	250	23
1/4	28	12	15	20	6	5/16	330	55
5/16	31	13	19	21	8	3/8	500	86
3/8	36	16	23	26	10	7/16	750	141
7/16	42	18	27	29	11	1/2	1000	173
1/2	48	21	30	33	12	5/8	1500	286
5/8	60	27	38	43	16	3/4	2250	627
3/4	71	32	46	51	20	7/8	3250	1030
7/8	84	36	53	58	22	1	4250	1540
1	95	43	60	68	25	1-1/8	5500	2420

Long Dee Shackle TCSH3005

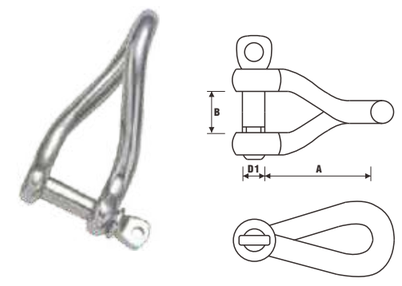
STAINLESS STEEL 304/316



Size (mm)	Dimension (mm)			W.L.L (kg)	N.W. (g/pc)
	A	B	D1		
4	30	8	4	80	18
5	37	10	5	100	32
6	45	12	6	200	67
8	60	16	8	320	126
10	75	20	10	520	235
12	90	24	12	800	495
14	105	28	14	1100	790
16	120	32	16	1500	1280

Twist Shackle TCSH3006

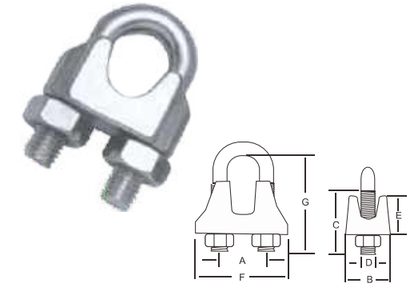
STAINLESS STEEL 304/316



Size (mm)	Dimension (mm)			W.L.L (kg)	N.W. (g/pc)
	A	B	D1		
4	23	8	4	80	18
5	26	10	5	100	32
6	33	12	6	200	67
8	44	16	8	320	126
10	55	20	10	520	235
12	66	24	12	800	495

DIN741 Wire Rope Clip TCSH3007

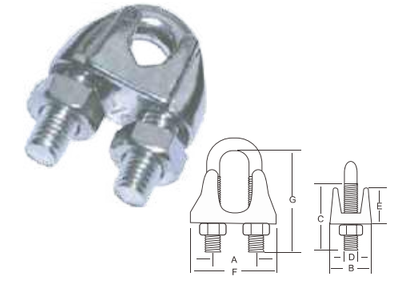
STAINLESS STEEL 304/316



Size (in)	Size (mm)	Dimension (mm)							N.W. (g/pc)
		A	B	C	D	E	F	G	
1/8	3	9	10	12	4	10	21	16	14
3/16	5	11	11	13	5	10	23	19	15
1/4	6	13	12	15	5	11	26	23	21
5/16	8	16	14	19	6	15	30	28	41
3/8	10	19	18	22	8	17	34	34	68
7/16	11	20	19	22	8	18	36	36	72
1/2	13	24	23	30	10	21	42	45	130
9/16	14	25	23	30	10	22	44	47	135
5/8	16	29	26	33	12	26	50	51	210
3/4	19	32	29	38	12	30	54	63	280
7/8	22	37	33	44	14	34	61	71	400

U.S type Wire Rope Clip TCSH3008

STAINLESS STEEL 304/316



Size (in)	Size (mm)	Dimension (mm)							N.W. (g/pc)
		A	B	C	D	E	F	G	
1/8	3	11	14	14	5	10.8	22	20	15
3/16	5	13.5	15	16	6	13	26	24	30
1/4	6	17	18.5	20	8	15	32	31.5	52
5/16	8	18.3	20	22	8	16	35	34	60
3/8	10	22.5	22	27	10	22	40.5	41.8	100
7/16	11	24	23	30	10	22	43	42.8	110
1/2	13	27	26	35	12	23.3	49	53.9	174
9/16	14	30	26.5	40	14	27	52.5	54.7	225
5/8	16	33	28.5	40	14	28	57.5	59.2	248

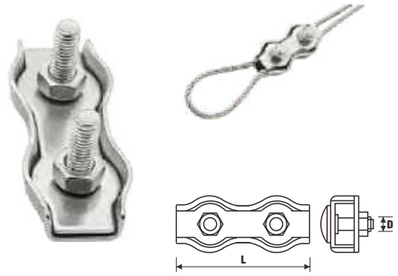
Simplex Wire Rope Clips TCSH3009



STAINLESS STEEL 304/316

Size (mm)	Dimension (mm)		N.W. (kg/pc)
	L	D	
2	18.5	M4	0.005
3	20	M4	0.007
4	22.5	M5	0.012
5	26	M6	0.019
6	30	M6	0.027
8	36	M8	0.050
10	42	M10	0.073

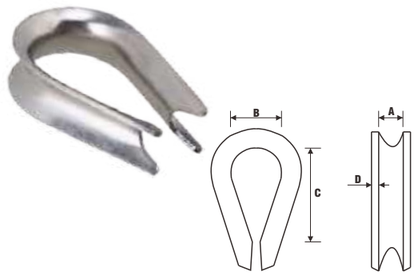
Duplex Wire Rope Clips TCSH3010



STAINLESS STEEL 304/316

Size (mm)	Dimension (mm)		N.W. (kg/pc)
	L	D	
2	37	M4	0.009
3	40	M4	0.013
4	45	M5	0.023
5	52	M6	0.038
6	60	M6	0.054
8	72	M8	0.102
10	84	M10	0.145

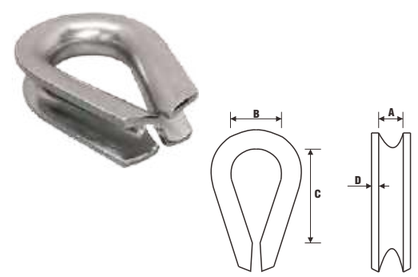
U.S. Type G411 Wire Rope Thimble TCSH3011



STAINLESS STEEL 304/316

Size (in)	Dimension (in)				N.W. (g/pc)
	A	B	C	D	
1/8	0.16	0.69	1.31	0.05	7
3/16	0.22	0.69	1.31	0.05	8
1/4	0.28	0.69	1.31	0.05	9
5/16	0.34	0.81	1.50	0.05	12
3/8	0.41	0.94	1.63	0.06	15
1/2	0.53	1.13	1.88	0.08	70
5/8	0.66	1.38	2.25	0.13	200
3/4	0.78	1.63	2.50	0.14	250
7/8	0.94	1.88	3.50	0.16	470
1	1.06	2.50	4.25	0.16	570
1-1/8	1.31	2.75	4.50	0.22	1090

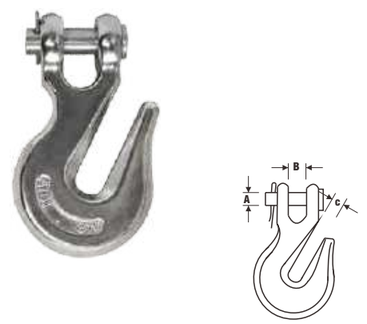
U.S. Type G414 Wire Rope Thimble TCSH3012



STAINLESS STEEL 304/316

Size (in)	Dimension (in)				N.W. (g/pc)
	A	B	C	D	
3/16	0.21	0.75	1.37	0.06	26
1/4	0.28	0.87	1.62	0.07	30
5/16	0.34	1.06	1.87	0.08	52
3/8	0.43	1.12	2.00	0.11	101
7/16	0.47	1.25	2.38	0.12	150
1/2	0.56	1.50	2.50	0.15	226
9/16	0.59	1.50	2.50	0.15	230
5/8	0.68	1.75	3.00	0.18	338
3/4	0.81	2.00	3.75	0.22	800
7/8	0.93	2.25	4.00	0.22	1050
1	1.12	2.50	4.37	0.25	1340

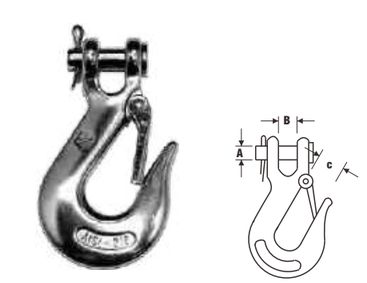
Clevis Grab Hook TCSH3013



STAINLESS STEEL 304/316

Size (in)	Dimension (in)			W.L.L (lbs)	N.W. (g/pc)
	A	B	C		
1/4	0.28	0.40	0.35	1250	168
5/16	0.37	0.46	0.45	1800	290
3/8	0.49	0.56	0.50	2500	410
1/2	0.62	0.70	0.65	3600	880

Clevis Slip Hook TCSH3014



STAINLESS STEEL 304/316

Size (in)	Dimension (in)			W.L.L (lbs)	N.W. (g/pc)
	A	B	C		
1/4	0.28	0.40	0.60	950	190
5/16	0.37	0.46	0.63	1250	350
3/8	0.49	0.56	0.87	2000	530
1/2	0.62	0.70	1.00	3000	1060

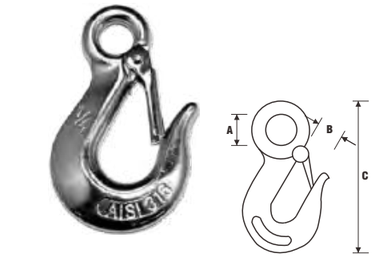
Eye Grab Hook TCSH3015



STAINLESS STEEL 304/316

Size (in)	Dimension (in)			W.L.L (lbs)	N.W. (g/pc)
	A	B	C		
1/4	0.52	0.35	3.03	1250	127
5/16	0.64	0.45	4.05	1800	230
3/8	0.72	0.50	4.75	2500	345
1/2	0.93	0.65	6.25	3600	730

Eye Slip Hook TCSH3016

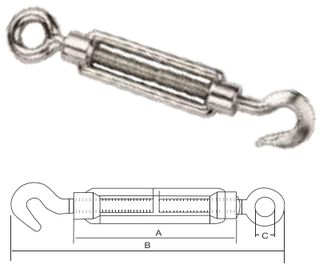


STAINLESS STEEL 304/316

Size (in)	Dimension (in)			W.L.L (lbs)	N.W. (g/pc)
	A	B	C		
1/4	0.52	0.62	3.50	950	160
5/16	0.64	0.70	4.05	1250	250
3/8	0.72	0.79	4.75	2000	420
1/2	0.93	1.06	6.00	3000	860

DIN1480 Turnbuckle TCSH3017

STAINLESS STEEL 304/316

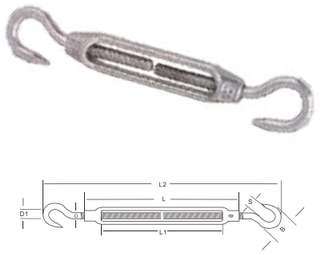


■ **End Option: Hook/Eye, Eye/Eye, Hook/Hook**

Size (mm)	Dimension (mm)			N.W. (kg/pc)
	A	B	C	
M5	70	90	8	0.05
M6	110	172-252	9	0.08
M8	110	182-257	10	0.16
M10	125	213-298	14	0.30
M12	125	238-318	16	0.40
M16	170	320-430	22	0.91
M20	200	357-497	24	1.60

Open Type Turnbuckle TCSH3018

STAINLESS STEEL 304/316

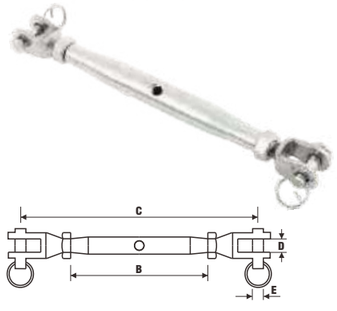


■ **End Option: Hook/Eye, Eye/Eye, Hook/Hook**

Size (in)	Size (mm)	Dimension (mm)							N.W. (kg/pc)
		L	L1	L2	B	D	S	D1	
3/16	5	70	52	120	13	5	9	8	0.07
1/4	6	90	66	160	16	6	10	10	0.11
5/16	8	120	94	200	20	8	11	14	0.21
3/8	10	150	120	240	28	10	12	16	0.34
1/2	12	200	168	300	36	12	14	18	0.65
5/8	16	250	210	390	40	16	16	26	1.3
3/4	20	300	245	440	50	20	18	30	2.5

European Type Rigging Screw TCSH3019

STAINLESS STEEL 304/316

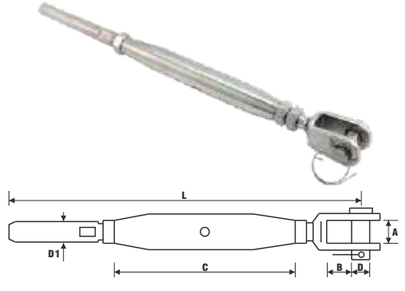


■ **End Option: Jaw & Jaw Formed & Machined**

Size A (mm)	Dimension (mm)				W.L.L (kg)	N.W. (kg/pc)
	B	C	D	E		
4	45	120	5	4.5	150	0.07
5	50	130	6.5	5	250	0.08
6	95	150	7	6	350	0.08
8	105	180	11	8	700	0.16
10	125	220	12	9	1000	0.23
12	150	270	14	12	1500	0.45
14	165	300	15	12	1600	0.5
16	190	360	17	16	2300	1.08
20	210	390	20	19	3000	2.35

RIGGING SCREW JAW/SWAGE STUD TCSH3020

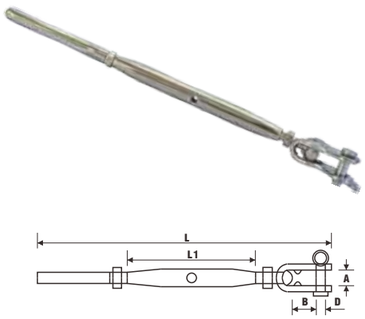
STAINLESS STEEL 304/316



Size (mm)	Wire Size (mm)	Dimension (mm)						N.W. (kg/pc)
		L (Min-Max)	A	B	C	D	D1	
M5	2.5	130-190	7.5	10	80	5	5.5	0.08
M6	3	150-220	7.5	10	95	6	6.4	0.08
M8	4	180-225	10	11	105	8	7.5	0.15
M10	5	200-300	12	13	125	9	9	0.23
M12	6	270-425	14	20	150	12	10.7	0.45
M14	7	300-425	14	22	165	12	12.7	0.5
M16	8	350-475	16	26	190	16	16	1.08
M20	10	390-540	20	30	210	20	17.8	2.35

TURNBUCKLE WITH TERMINAL/SWIVEL TOGGLE TCSH3021

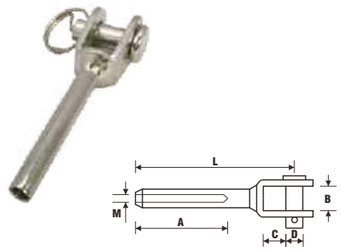
STAINLESS STEEL 304/316



Size (mm)	Wire Size (mm)	Dimension (mm)					N.W. (kg/pc)
		L1	L	A	D	B	
M6	3	95	180	7	6	15	0.08
M8	4	105	210	10	8	20	0.15
M10	5	125	250	12	9	25	0.23
M12	6	150	300	13	12	30	0.45
M16	8	190	390	17	16	40	1.08
M20	10	210	450	20	19	45	2.35

Jaw Swage Terminal TCSH3022

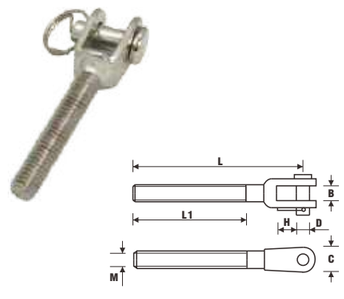
STAINLESS STEEL 304/316



Wire Size (mm)	Dimension (mm)				
	L	A	B	C	D
2.5	55	24	7.5	9	5
3	65	32	7.5	10	5
4	77	40	10	11	5
5	88	57	12	13	8
6	10	63	14	20	9
7	116	70	14	22	12
8	145	85	18	26	26
9	150	87	20	30	20
10	150	89	20	30	20

Jaw Terminal TCSH3023

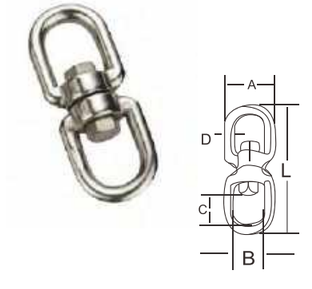
STAINLESS STEEL 304/316



Size (mm)	Dimension (mm)					
	L	L1	H	B	C	D
M5	60.5	41	9	7.5	12	5
M6	72.5	50	10	7.5	14	5
M8	79	55	11	10	17.5	8
M10	96	67	13	12	20	9
M12	118.5	81	20	14	26	12
M14	130	89	22	14	26	12
M16	154	104	26	16	36	16
M20	172	116	30	20	43	20

Swivel Eye and Eye TCSH3024

STAINLESS STEEL 304/316

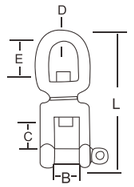


Size (mm)	Dimension (mm)					WLL (kg)	N.W. (kg/pc)
	A	B	C	D	L		
5	23	13	13	5	60	820	0.034
6	27	15	15	6	65	1350	0.051
8	36	20	22	8	90	2500	0.12
10	44	24	27	10	115	3500	0.25
13	58	32	35	13	154	6000	0.62
16	71	39	45	16	188	10800	0.95
19	80	41	50	19	231	16100	1.93
22	91	47	52	22	254	22000	2.25
25	113	63	67	25	295	27000	4.45

Swivel Eye and Jaw TCSH3025

STAINLESS STEEL 304/316



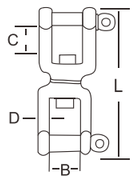


Size (mm)	Dimension (mm)					WLL (kg)	N.W. (kg/pc)
	B	C	D	E	L		
6	12	11	6	15	66	1350	0.06
8	16	16	8	22	94	2500	0.15
10	20	22	10	27	118	3500	0.29
13	26	28	13	35	152	6000	0.63
16	32	37	16	45	188	10800	1.12
19	38	45	19	50	229	27000	2.00

Swivel Jaw and Jaw TCSH3026

STAINLESS STEEL 304/316



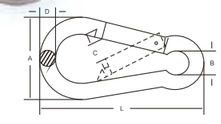


Size (mm)	Dimension (mm)				WLL (kg)	N.W. (kg/pc)
	B	C	D	L		
6	12	11	6	66	1350	0.07
8	16	16	8	94	2500	0.16
10	20	22	10	118	3500	0.33
13	26	28	13	152	6000	0.74
16	32	37	16	188	10800	1.28
19	38	45	19	229	27000	2.15

Snap Hook DIN5299 C TCSH3027

STAINLESS STEEL 304/316



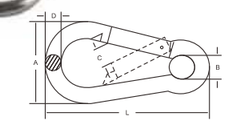


Size (mm)	Dimension (mm)					W.L.L (lbs)	N.W. (g/pc)
	A	B	C	D	L		
4X40	20	7	7	4	40	80	8.2
5X50	25	8	7	5	50	100	18.3
6X60	30	9	8	6	60	140	28.4
7X70	35	10	8	7	70	200	45.7
8X80	40	12	9	8	80	250	71.1
9X90	45	12	10	9	90	280	91.4
10X100	50	16	11	10	100	400	146.2
11X120	57	18	16	11	120	500	194.5
12X140	67	20	19	12	140	600	274
13X160	74	22	25	13	160	700	362
14X180	86	79	35	14	180	900	500

Snap Hook with Eye DIN5299 A TCSH3028

STAINLESS STEEL 304/316



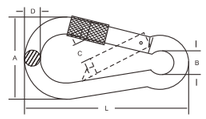


Size (mm)	Dimension (mm)					W.L.L (lbs)	N.W. (g/pc)
	A	B	C	D	L		
4X40	20	5	7	4	40	80	8.5
5X50	25	5	7	5	50	100	18.8
6X60	30	5	8	6	60	140	29
7X70	35	7	8	7	70	200	47
8X80	40	10	9	8	80	250	73
9X90	45	10	10	9	90	280	98
10X100	50	13	11	10	100	400	149
11X120	57	13	16	11	120	500	210
12X140	67	15	19	12	140	600	279
13X160	74	17	25	13	160	700	365

Snap Hook with Screw DIN5299D TCSH3029

STAINLESS STEEL 304/316



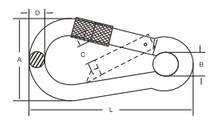


Size (mm)	Dimension (mm)					W.L.L (lbs)	N.W. (g/pc)
	A	B	C	D	L		
5X50	25	8	7	5	50	100	20
6X60	30	9	8	6	60	140	32
7X70	35	10	8	7	70	200	50
8X80	40	12	9	8	80	250	75
9X90	45	12	10	9	90	280	98
10X100	50	15	11	10	100	400	160
11X120	57	18	16	11	120	500	210
12X140	67	20	19	12	140	600	284
13X160	74	22	25	13	160	700	367

Snap Hook with Eye and Screw TCSH3030

STAINLESS STEEL 304/316



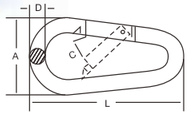


Size (mm)	Dimension (mm)					W.L.L (lbs)	N.W. (g/pc)
	A	B	C	D	L		
5X50	25	5	7	5	50	100	21
6X60	30	5	8	6	60	140	32
7X70	35	7	8	7	70	200	50
8X80	40	10	9	8	80	250	77
9X90	45	10	10	9	90	280	99
10X100	50	13	11	10	100	400	162
11X120	57	13	16	11	120	500	220
12X140	67	15	19	12	140	600	288
13X160	74	17	25	13	160	700	380

Straight Snap Hook DIN5299B TCSH3031

STAINLESS STEEL 304/316



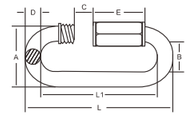


Size (mm)	Dimension (mm)				W.L.L (lbs)	N.W. (g/pc)
	A	B	D	L		
5X50	25	7	5	50	100	19.5
6X60	30	8	6	60	140	31.8
7X70	35	8	7	70	200	50
8X80	40	9	8	80	250	76
9X90	45	10	9	90	280	98
10X100	50	11	10	100	400	153
11X120	57	16	11	120	500	204
12X140	67	19	12	140	600	289

Quick Link TCSH3032

STAINLESS STEEL 304/316



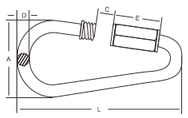


Size (mm)	Dimension (mm)							W.L.L (lbs)	N.W. (g/pc)
	A	B	C	D	L	L1	E		
3.5	17	10	5	3.5	36	29	11	175	8.1
4	19.5	11.5	5.5	4	39.5	31.5	12.5	500	12
5	23	13	6.5	5	48.5	35.5	16	650	21
6	26.5	14.5	7.5	6	57	45	19	875	35.5
7	30	16	8.5	7	66	52	21.5	1200	66
8	33.5	17.5	10.5	8	74	58	24	1525	76
9	37	19	11	9	80	62	26	1975	111
10	40.5	20.5	12	10	89	69	29	2300	137
12	47.5	23.5	15	12	104.5	80.5	33	2500	253
14	54.5	26.5	17	14	121	93	38.5	2800	358

Pear Shaped Quick Link TCSH3033

STAINLESS STEEL 304/316



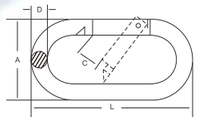


Size (mm)	Dimension (mm)					W.L.L (lbs)	N.W. (g/pc)
	A	C	D	L	E		
6	42.8	14	6	80	25	600	52
8	50.8	17	8	100	31.5	1100	150
10	63.5	20.5	10	117	36	1500	200
12	76	23	12	140	43	1650	320

Straight Snap Hook TCSH3034

STAINLESS STEEL 304/316



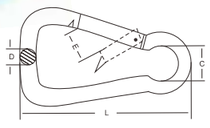


Size (mm)	Dimension (mm)				W.L.L (lbs)	N.W. (g/pc)
	A	C	D	L		
5x50	25	9	5	50	100	21
6x60	30	11	6	60	140	26
8x80	40	13	8	80	250	57
10x00	50	16	10	100	400	125
11x120	58	21	11	120	500	185

Oblique Angle Snap Hook TCSH3035

STAINLESS STEEL 304/316



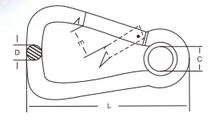


Size (mm)	Dimension (mm)				W.L.L (lbs)	N.W. (g/pc)
	C	L	D	E		
6X60	8	60	6	10	140	28
8X80	10	80	8	13	250	68
10X100	12	100	10	18	400	136
11X120	16	120	12	24	500	194

Oblique Angle Snap Hook with Eye TCSH3036

STAINLESS STEEL 304/316



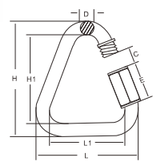


Size (mm)	Dimension (mm)				W.L.L (lbs)	N.W. (g/pc)
	C	L	D	E		
6X60	7	60	6	10	140	28.5
8X80	9	80	8	13	250	69
10X100	11	100	10	18	400	140
11X120	15	120	12	24	500	200

Delta Shaped Quick Link TCSH3037

STAINLESS STEEL 304/316



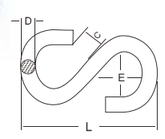


Size (mm)	Dimension (mm)							W.L.L (lbs)	N.W. (g/pc)
	H	H1	C	D	L	L1	E		
3.5	36	29	5	3.5	31.5	24	11	120	9.2
4	40	32	5.5	4	35.5	27.5	12.5	350	13.5
5	48	38	6.5	5	40	30	16	450	23
6	56	44	7.5	6	47	35	19	600	40
8	73	57	10.5	8	56	40	24	1100	89
10	87	67	12	10	66	46	29	1500	155
12	104	80	15	12	75	51	33	1650	287

S-hook TCSH3038

STAINLESS STEEL 304/316



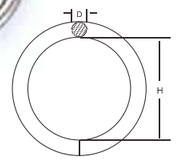


Size (mm)	Dimension (mm)				N.W. (g/pc)
	C	L	D	E	
3X25	7	3.5	3	25	3
4X35	11	5	4	35	7
5X45	14	6	5	45	15
6X55	16	7	6	55	26
7X65	18	8	7	65	44
8X75	23	10	8	75	56
10X100	25	13	10	100	127
12X120	30	15	12	120	140

Round Ring TCSH3039

STAINLESS STEEL 304/316



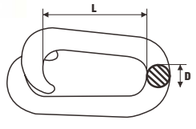


Size (mm)	Dimension (mm)		N.W. (g/pc)
	D	H	
4X25	4	25	9.1
4X30	4	30	11
4X40	4	40	14
5X40	5	40	22
5X50	5	50	26
6X40	6	40	33
6X50	6	50	40
6X60	6	60	47
7X35	7	35	42
8X40	8	40	61

Repair Link TCSH3040

STAINLESS STEEL 304/316



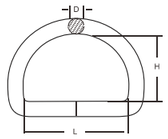


Size (mm)	Dimension (mm)		N.W. (g/pc)
	D	L	
3	3	16.5	4
4	4	20	8
5	5	23	14
6	6	29	31
7	7	32	39
8	8	37	57
9	10	37.5	97

D Ring TCSH3041

STAINLESS STEEL 304/316



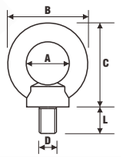


Size (mm)	Dimension (mm)			N.W. (kg/pc)
	D	H	L	
4X25	4	25	22	9.7
4X30	4	25	27	44
4X40	4	30	37	14.5
5X40	5	30	37	22.5
5X50	5	32	47	27
6X40	6	40	37	34
6X50	6	50	47	42
6X60	6	30	47	48
8X40	8	40	37	63
8X50	8	48	50	75

Eye Screw DIN580 TCSH3042

STAINLESS STEEL 304/316



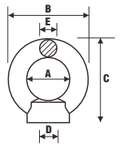


Size (mm)	Dimension (mm)					W.L.L (lbs)	N.W. (kg/pc)
	D	A	B	C	L		
M8	8	20	36	36	13	140	60
M10	10	25	45	45	17	230	110
M12	12	30	54	53	20	340	180
M16	16	35	63	62	27	700	280
M20	20	40	72	71	30	1200	450
M24	24	50	90	90	36	1800	870
M30	30	60	108	109	45	3600	1660

Eye Screw DIN582 TCSH3043

STAINLESS STEEL 304/316



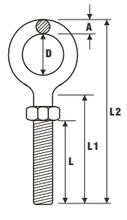


Size (mm)	Dimension (mm)					W.L.L (lbs)	N.W. (kg/pc)
	D	A	B	C	L		
M8	8	20	36	36	8	140	50
M10	10	25	45	45	10	230	90
M12	12	30	54	53	12	340	160
M16	16	35	63	62	14	700	240
M20	20	40	72	71	16	1200	360
M24	24	50	90	90	20	1800	720
M30	30	60	108	109	24	3600	1320

Eye Bolt with Nut TCSH3044

STAINLESS STEEL 304/316



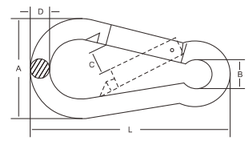


Size (mm)	Dimension (mm)					N.W. (kg/pc)
	A	D	L	L1	L2	
M6	6	13	35	40	64	64
M6	6	13	55	60	104	104
M6	6	13	75	80	104	104
M6	6	13	95	100	124	124
M8	8	17	55	60	92	92
M8	8	17	75	80	112	112
M8	8	17	95	100	132	132
M8	8	17	125	130	162	162
M10	10	21	75	80	119	119
M10	10	21	95	100	139	139
M10	10	21	115	120	159	159
M10	10	21	145	150	189	189
M12	12	25	95	100	146	146
M12	12	25	145	150	196	196

Snap Hook, DIN5299C TCSH3045

ZINC PLATED



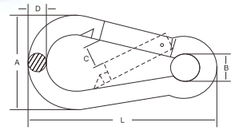


Size (mm)	Dimension (mm)					W.L.L (lbs)	N.W. (g/pc)
	A	B	C	D	L		
4x40	20	7	7	4	40	200	6
5X50	25	8	7	5	50	220	16
6X60	30	9	8	6	60	260	28
7X70	35	10	8	7	70	400	45
8X80	40	12	9	8	80	500	63
9X90	45	12	10	9	90	550	90
10X100	50	16	11	10	100	770	125
11X120	57	18	16	11	120	990	192
12X140	67	20	19	12	140	1200	250
13X160	74	22	25	13	160	1400	350
14X180	86	22	35	14	180	1600	455
15X200	90	26	37	15	200	1800	618

Snap Hook, with Eye DIN5299A TCSH3046

ZINC PLATED



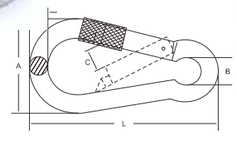


Size (mm)	Dimension (mm)					W.L.L (lbs)	N.W. (g/pc)
	A	B	C	D	L		
4x40	20	5	7	4	40	200	8.5
5X50	25	5	7	5	50	220	18
6X60	30	5	8	6	60	260	30
7X70	35	7	8	7	70	400	50
8X80	40	10	9	8	80	500	70
9X90	45	10	10	9	90	550	98
10X100	50	13	11	10	100	770	142
11X120	57	13	16	11	120	990	210
12X140	67	15	19	12	140	1200	275
13X160	74	17	25	13	160	1400	358

Snap Hook, with Screw DIN5299D TCSH3047

ZINC PLATED



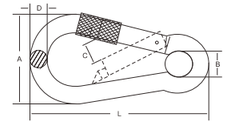


Size (mm)	Dimension (mm)					W.L.L (lbs)	N.W. (g/pc)
	A	B	C	D	L		
5X50	25	8	7	5	50	220	20
6X60	30	9	8	6	60	260	30
7X70	35	10	8	7	70	400	50
8X80	40	12	9	8	80	500	75
9X90	45	12	10	9	90	550	98
10X100	50	16	11	10	100	770	160
11X120	57	18	16	11	120	990	210
12X140	67	20	19	12	140	1200	270
13X160	74	22	25	13	160	1400	360
14X180	86	22	35	14	180	1600	510

Snap Hook, with Eye and Screw TCSH3048

ZINC PLATED



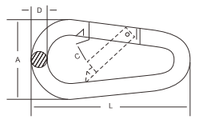


Size (mm)	Dimension (mm)					W.L.L (lbs)	N.W. (g/pc)
	A	B	C	D	L		
5X50	25	5	7	5	50	220	21
6X60	30	5	8	6	60	260	32
7X70	35	7	8	7	70	400	50
8X80	40	10	9	8	80	500	77
9X90	45	10	10	9	90	550	99
10X100	50	13	11	10	100	770	162
11X120	57	13	16	11	120	990	220
12X140	67	15	19	12	140	1200	280
13X160	74	17	25	13	160	1400	370

Straight Snap Hook, DIN5299B TCSH3049

ZINC PLATED



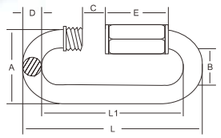


Size (mm)	Dimension (mm)				W.L.L (lbs)	N.W. (g/pc)
	A	C	D	L		
5X50	25	7	5	50	220	17
6X60	30	8	6	60	260	25
7X70	35	8	7	70	400	44
8X80	40	9	8	80	500	66
9X90	45	10	9	90	550	93
10X100	50	11	10	100	770	130
11X120	57	16	11	120	990	185
12X140	67	19	12	140	1200	250

Quick Link TCSH3050

ZINC PLATED



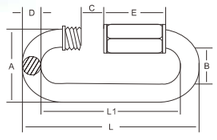


Size (mm)	Dimension (mm)							W.L.L (lbs)	N.W. (g/pc)
	A	B	C	D	L	L1	E		
3.5	17	10	5	3.5	36	29	11	220	8
4	19.5	11.5	5.5	4	39.5	31.5	12.5	440	12
5	23	13	6.5	5	48.5	35.5	16	660	21
6	26.5	14.5	7.5	6	57	45	19	880	35
7	30	16	8.5	7	66	52	21.5	1300	54
8	33.5	17.5	10.5	8	74	58	24	1760	75
9	37	19	11	9	80	62	26	2200	105
10	40.5	20.5	12	10	89	69	29	2640	135
12	47.5	23.5	15	12	104.5	80.5	33	3300	228
14	54.5	26.5	17	14	121	93	38.5	6100	350
16	61.5	29.5	19	16	140	108	45	8000	500

Wide Jaw Quick Link TCSH051

ZINC PLATED



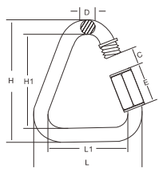


Size (mm)	Dimension (mm)							W.L.L (lbs)	N.W. (g/pc)
	A	B	C	D	L	L1	E		
3.5	17	10	5	3.5	46	39.5	16	180	7
4	19.5	11.5	5.5	4	53	45	19	350	15
5	23	13	6.5	5	62	52	22	550	20
6	26.5	14.5	7.5	6	70.5	58.5	25	770	37
7	30	16	8.5	7	79	65	28	880	60
8	33.5	17.5	10.5	8	88	72	31.5	1430	90
10	40.5	20.5	12	10	105.5	85.5	38	1760	135
12	47.5	23.5	15	12	124	100	43	2755	250

Delta Shaped Quick Link TCSH3052

ZINC PLATED





Size (mm)	Dimension (mm)							W.L.L (lbs)	N.W. (g/pc)
	H	H1	C	D	L	L1	E		
3.5	36	29	5	3.5	31.5	24	11	200	9
4	40	32	5.5	4	35.5	27.5	12.5	250	14
5	48	38	6.5	5	40	30	16	330	23
6	56	44	7.5	6	47	35	19	550	40
8	73	57	10.5	8	56	40	24	1210	89
10	87	67	12	10	66	46	29	1320	155
12	104	80	15	12	75	51	33	2425	287

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Rope Shortening, with/without Tongue TCSH3053

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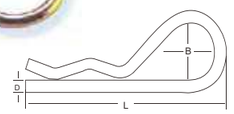
Size (mm)	Dimension (mm)		N.W. (g/pc) with Tongue	N.W. (g/pc) without Tongue
	D	L		
5X60	5	60	26	22
6X60	6	60	31	33
6X70	6	70	45	40
7X75	7	75	64	48
8X70	8	70	80	70
8X80	8	80	85	75
9X90	9	90	112	100
10X100	10	100	174	160

Hitch Pin Clips, Single Winded TCSH3054

ZINC PLATED





Size (mm)	Dimension (mm)			N.W. (g/pc)
	B	D	L	
2	10	2	41	3
3	18	3	69	8
4	20	4	70	16
5	24	5	97	31
6	30	6	120	55
7	30	7	120	83
8	28	8	124	105

Hitch Pin Clips, Double Winded TCSH3055

ZINC PLATED



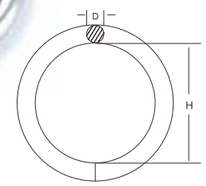


Size (mm)	Dimension (mm)			N.W. (g/pc)
	B	D	L	
2	10	2	56	4
3	16	3	70	15
4	23	4	88	30
5	26	5	105	52
6	30	6	135	95
7	30	7	145	130
8	30	8	145	180

Round Ring TCSH3056

ZINC PLATED





Size (mm)	Dimension (mm)		N.W. (kg/pc)	Size (mm)	Dimension (mm)		N.W. (g/pc)
	D	H			D	H	
3X20	3	20	4	6X45	6	45	35.6
4X25	4	25	9.1	6X50	6	50	39
4X30	4	30	10.7	6X60	6	60	46
4X40	4	40	13.9	7X35	7	35	41
5X30	5	30	16.2	8X40	8	40	59.5
5X32	5	32	17.1	8X50	8	50	72
5X35	5	35	18.5	9X40	9	40	76.8
5X40	5	40	21	10X50	10	50	117
5X50	5	50	25.4	10X70	10	70	155
6X30	6	30	25.1	12X60	12	60	208
6X40	6	40	32	12X100	12	100	313

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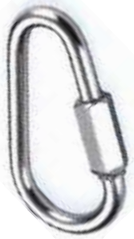
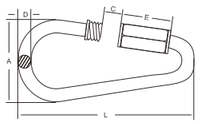
Pear Shaped Quick Link TCSH3057

ZINC PLATED



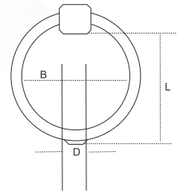


Size (mm)	Dimension (mm)					W.L.L (lbs)	N.W. (g/pc)
	A	C	D	L	E		
6	42.5	14	6	80	25	550	52
8	50.8	17	8	100	31.5	1210	150
10	63.5	20.5	10	117	36	1320	200
12	76	23	12	140	43	2425	320

Linch Pins TCSH3058

ZINC PLATED





Size (mm)	Dimension (mm)			N.W. (g/pc)
	B	D	L	
4.5	22	4.5	30	19
5	24	5	40	20
6	25	6	43	24
8	42	8	43	29
9	42	9	43	38
10	42	10	43	45
11	42	11	43	49

Simplex Snap/Simplex Snap with Swivel TCSH3059

NICKLE PLATED

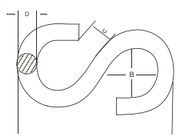


Size (mm)	N.W. (g/pc) Snap only	N.W. (g/pc) with Swivel
25	3	4.5
30	4	5
40	7	9
50	12.5	15
60	15	23
70	22	32
80	37	50
90	56	65
100	68	73
120	85	92

S-Hook TCSH3060

ZINC PLATED





Size (mm)	Dimension (mm)				N.W. (g/pc)
	B	C	D	L	
2.5	6	3	2.5	20	1.7
3	7	3,5	3	25	3
3.5	9	4	3.5	30	4.8
4	11	5	4	35	7.8
4.5	12	5,5	4.5	40	11.5
5	14	6	5	45	15.2
6	16	7	6	55	26
7	18	8	7	65	45
8	23	10	8	75	65
10	25	13	10	100	126
12	30	15	12	120	150

Harness Locking Snap TCSH3061

ZINC PLATED



Size (in.)	Size (mm)	L (mm) (mm)	W.L.L (lbs)	N.W. (g/pc)
3/8	10	106	5000	167

Aluminium Snap Hook, Type A,B,C,D,E TCSH3062

ALUMINIUM

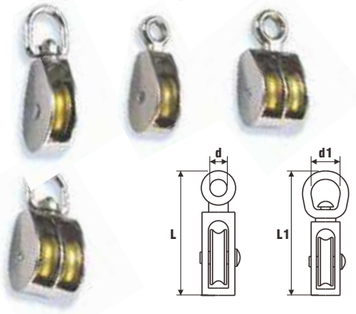


Size (mm)	N.W. (g/pc)
5X50	5.5
6X60	10
7X70	15.5
8X80	22

Note: the difference between type C and type D is colour,Type C is light blue and Type D is red.

U.S. Type Pulley (Eye/Swivel Hook) TCSH3063

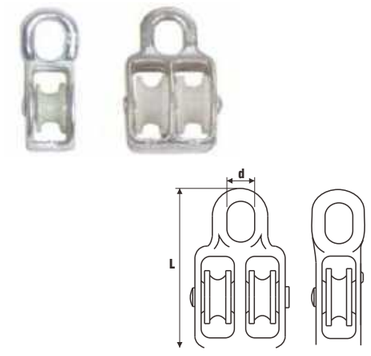
ZINC ALLOY



Size (in)	Dimension (mm)			
	d	L	d1	L1
1/2	5	41	19	60
3/4	5	41	19	60
1	6.5	54	20	73
1-1/4	10	76.5	21	88
1-1/2	10	76.5	21	88
2	13	98.5	21	105

Pulley TCSH3064

NYLON

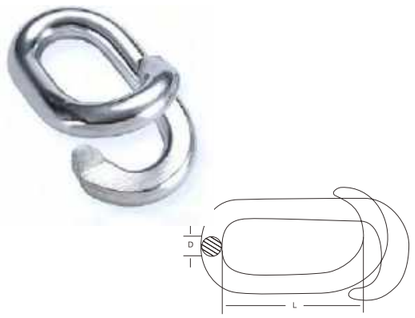


- Material of body:zinc alloy
- Material of wheel:nylon
- 502-single wheel
- 504-double wheels

Size (mm)	Dimension (mm)	
	d	L
502-15	10	50
502-20	11	60
502-25	12	70
502-30	13	80
502-40	14	93
502-50	16	115
502-65	20	135
504-15	10	50
504-20	11	60
504-25	12	70
504-30	13	80
504-40	14	93
504-50	16	117

Repair Link, Zinc Plated TCSH3065

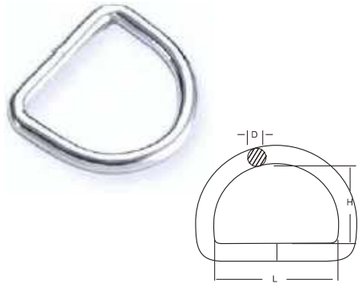
ZINC PLATED



Size (mm)	Dimension (mm)		N.W. (g/pc)
	D	L	
3	3	16.5	4
4	4	20	8
5	5	23	14
6	6	29	31
7	7	32	39
8	8	37	57
10	10	37.5	97

Dee Ring, Zinc Plated TCSH3066

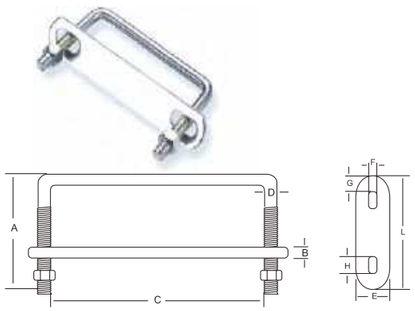
ZINC PLATED



Size (mm)	Dimension (mm)			N.W. (g/pc)
	D	H	L	
3X25	3	20	25	5.5
4X25	4	25	25	9.7
4X30	4	25	30	11.3
4X40	4	30	40	14.5
5X30	5	40	30	17.3
5X40	5	30	40	22.5
5X50	5	32	50	26.8
6X30	6	35	30	27.2
6X40	6	40	40	34
6X50	6	50	50	42
6X60	6	30	60	48
8X40	8	40	40	63
8X50	8	45	50	75

Square U-Blots, Zinc Plated TCSH3067

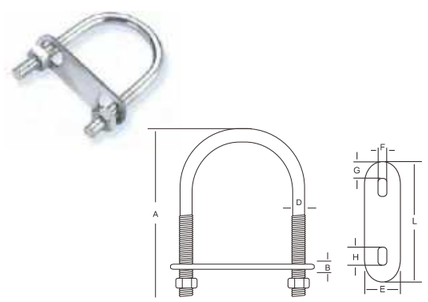
ZINC PLATED



Size (mm)	Dimension (mm)									N.W. (g/pc)
	A	B	C	D	E	F	G	H	L	
8	70	2	45	6.9	16	9	5	16	87	111
8	82	2	72	6.9	16	9	5	16	114	131
8	85	2	103	6.9	16	9	5	16	145	147
8	125	2	103	6.9	16	9	5	16	145	171

U-Blots, Zinc Plated TCSH3068

ZINC PLATED



Size (mm)	Dimension (mm)									N.W. (g/pc)
	A	B	C	D	E	F	G	H	L	
6	50	2	25	5.2	16	5.5	5	16	66	32
6	55	2	29	5.2	16	5.5	5	16	70	35
8	95	2	29	6.9	16	9	5	16	70	65
8	82	2	43	6.9	16	9	5	16	85	79
8	113	2	43	6.9	16	9	5	16	85	94
8	82	2	50	6.9	16	9	5	16	92	98
8	130	2	50	6.9	16	9	5	16	92	110
8	70	2	35	6.9	16	9	5	16	77	69
8	104	2	35	6.9	16	9	5	16	77	85
8	140	2	68	6.9	16	9	5	16	110	125
8	95	2	60	6.9	16	9	5	16	102	95

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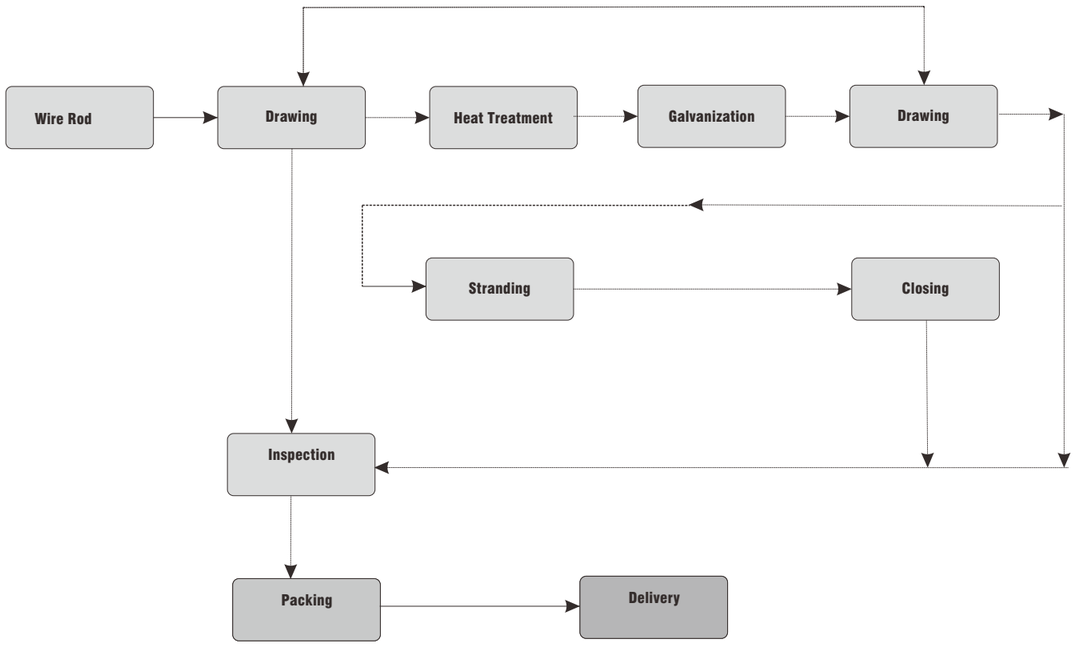
PRODUCTS ALBUM

STEEL WIRE ROPE

Elevator Wire Rope
General Application Wire Rope
Stainless Steel Wire Rope

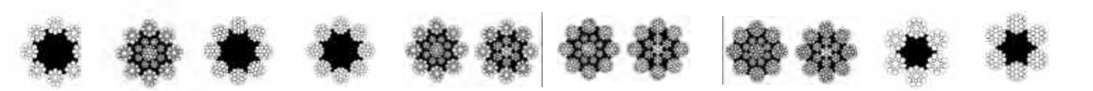
FLOW OF PRODUCTION

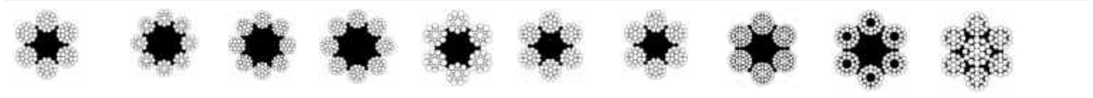


How to Order

- Purpose: Application of the rope.
- Construction: Number of strands, number of wires per strand and type of strand construction.
- Size: Diameter of the rope in millimeters or inches.
- Lay: Right regular lay, left regular lay, right lang lay, or left lang lay.
- Coating: Bright (Black, Ungalvanized) or galvanized or PVC coated.
- Type of core: Fiber core (FC), independent wire rope core (IWRC), or independent wire strand core (IWSC)
- Grade of wires: Tensile strength of wires.
- Break load: Minimum or calculated breaking load in KN or pounds.
- Specification: Any recognized specification, if necessary.
- Length: Length of Wire Rope in meters or feet.
- Lubrication: Whether lubrication is required or not and necessary.
- Packing: In coils wrapped with oil paper and hessian (or PP) cloth, or on wooden reels
- Quantity: By number of coils or reels, by length or weight.
- Certificate: Mill certificate and / or a third party's inspection certificate, if needed.
- Remarks: Shipping marks and any other special requirements.

ELEVATOR ROPES



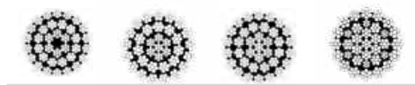


GENERAL APPLICATION ROPES









FISHING ROPES



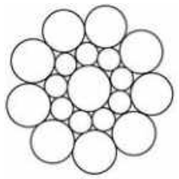
AVIATION ROPES



CONTROL WIRES

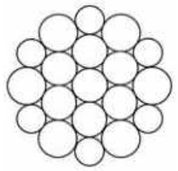


STRAND CONSTRUCTION



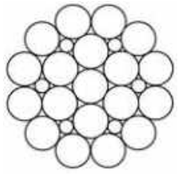
Seale

The world most frequently used strand construction for elevator ropes is 19-wire Seale strand (1-9-9). Because of the thicker outer wire, the Seale strand offers a high degree of resistance against external wear during use.



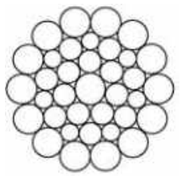
Warrington

Ropes made of Warrington strands (1-1-1+6) offer better bending fatigue properties than comparable ropes made of Seale strand. The outer wire circle of Warrington strand made of far thinner wires than Seale strand. The rope is thus subject to less flexural stress. Ropes made of Warrington stand are particularly suitable for traction elevators with double-wrap drive or in roped hydraulic elevators.



Filler

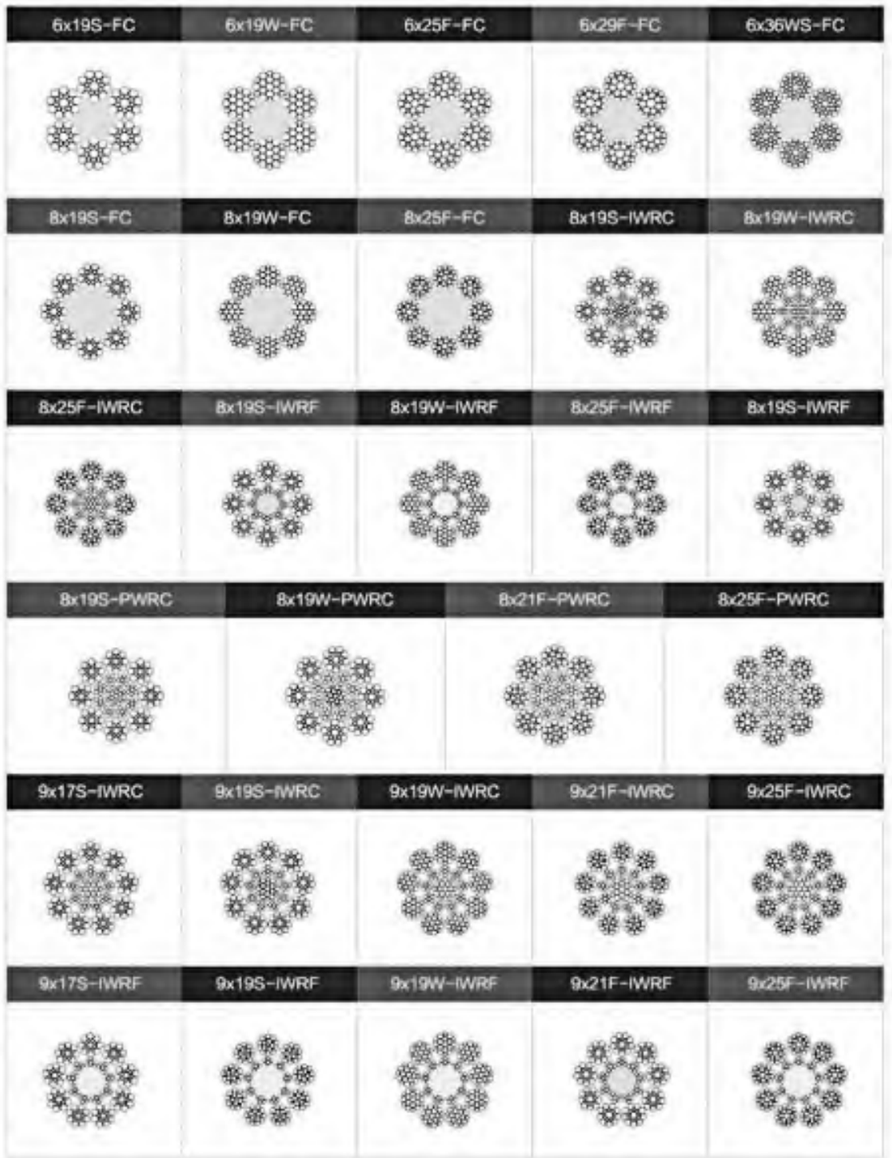
Ropes made of Filler strands offer a good balance in both abrasion resistance and bending fatigue resistance in relation to other comparable ropes. One popular rope of this type is 8x25F-FC(1-6-6F-12). Filler strand are used in elevator ropes above 16mm due to their improve flexibility. The Filler strand is sensitive to geometric distortion which may lowers rope's service life. Filler strand for ropes below 10mm is not recommended due to the extreme thickness of filler wires.



Warrington Seale

Ropes of Warrington-Seale construction (1-7-7+7-14) feature a compact construction with solid support for the wires. This strand construction is used in compensating ropes with large diameter starting from 24mm. In such case, the outer wires of a Seale strand would become excessively thick.

ELEVATOR ROPE LIST



ROPE SELECTION/APPLICATION

Rope Construction		Application	Remarks
Class and type of core	Construction		
6x19+FC	6x19S+SFC 6x19W+SFC 6x25F+SFC	Governor ropes	Recommendation: NFC for suspension ropes SFC for governor ropes Please specify when ordering such ropes A technical agreement needs to be signed for ordering these ropes. Products comply to: Q/320205KABW02-2009
	6x19S+NFC 6x19W+NFC 6x25F+NFC	Suspension ropes for low-rise low-speed elevators	
8x19+FC	8x19S+SFC 8x19W+SFC 8x25F+SFC	Governor ropes	
	8x19S+NFC 8x19W+NFC 8x25F+NFC	Suspension ropes for elevator speed <=2m/s, building height <=60m	
	8x19S+GSF 8x19W+GSF 8x25F+GSF	Suspension ropes for elevator speed >2m/s and <=2.5m/s, building height <=60m	
8x19 steel core and mixed core	8x19S+IWRC 8x19W+IWRC 8x25F+IWRC	Suspension ropes for elevator speed <4m/s,building height <=100m	
	8x19S+IWRF 8x19W+IWRF 8x25F+IWRF	Suspension ropes for elevator speed <4m/s,building height <=100m	
9x19 steel core and mixed core	9x19S+IWRC 9x19W+IWRC 9x21F+IWRC 9x25F+IWRC 9x17S+IWRF 9x19S+IWRF 9x19W+IWRF 9x21F+IWRF 9x25F+IWRF	Suspension ropes for elevator speed >4m/s,building height >100m	
6x36+FC	6x29F+FC 6x36WS+FC	Compensation ropes	

- For reference only, actual application may be case specific.
- Synthetic fiber core are recommended for governor ropes
- Suit for traction ratio is 1:1 or 2:1 elevator, other traction ratio elevators should negotiate









	Application	Rope construction	Nominal rope diameter mm	Nominal Tensile Strength N/mm2
Japanese Manufacturer	Governor ropes	6x19S+FC 8x19S+FC	6mm-10mm	1320/1770 1620/1770 1770
	Suspension ropes	8x19S+FC 8x25F+IWRC	8mm-16mm	1320/1770 1620/1770
European American Manufacturer	Governor ropes	6x19S+FC 8x19S+FC	6mm-10mm	1320/1770 1620/1770 1570 1770 1960
	Suspension ropes	8x19S+FC 8x19W+FC 8x19S+IWRC 8x19W+IWRC 8x25F+FC 9x19S+IWRC 9x21F+IWRC	8mm-16mm	1370/1770 1570/1770 1570

For reference only, actual rope selection should comply to elevator design

ATTENTIONS DURING INSTALLATION

- Care must be taken during rope installation since the rope is not supported when it is unrolled from the reel, until it is properly installed.
- Care must be taken to unroll and not laterally pull wire rope when pulling it off the reel. Be careful not to get any loops.
  Wire rope cutting: Both sides of cutting point apart 10-20mm using iron wire to tie up, the tie length is 2-4 times of rope diameter. Use proper tools to cut wire ropes. If such tools are not available and a cutting torch must be used, prevent short circuit occurring between the torch tip and the wire rope. When welding job is performed in the elevator shaft, prevent any debris getting on the wire rope and causes damage.
- If the wire rope is not straight right off the reel, apply tension to the rope and fix it to proper form.
- Do not drag ropes over sharp edges, and prevent any dirt and debris sticking on the rope. This will cause damage to the traction groove and rope itself.
- Ropes must be prevented from rotating during installation since free-hanging ropes will untwist under their own weight.
- Check the rope tension after mounting with a suitable device. Make sure all ropes in the same group are evenly tensioned.

6x19S-FC,6x19W-FC,6x25Fi-FC

Preformed, bright, right hand, regular lay

Natural fiber core: Suspension ropes for low-speed, low-rise, low duty elevators.
Synthetic fiber core: Governor ropes

Standard: GB8903-2005 and purchase request of different elevator company

Construction	Nominal Diameter	Approx Weight	Minimum Breaking Strength (kN)						
			Double Strength (Mpa)				Single Strength (Mpa)		
	mm	kg/100m	1180/1770	1320/1620	1370/1770	1570/1770	1570	1620	1770
 6x19S-FC	6	12.9	16.3	16.8	17.8	19.5	18.7	19.2	21
	6.3	14.2	17.9	-	-	21.5	-	21.2	23.2
	6.5	15.2	19.1	19.7	20.9	22.9	21.9	22.6	24.7
	8	23	28.9	29.8	31.7	34.6	33.2	34.2	37.4
	9	29.1	36.6	37.7	40.1	43.8	42	43.3	47.3
	9.5	32.4	40.8	42	44.7	48.8	46.8	48.2	52.7
	10	35.9	45.2	46.5	49.5	54.1	51.8	53.5	58.4
	11	43.4	54.7	56.3	59.9	65.5	62.7	64.7	70.7
	12	51.7	65.1	67	71.3	77.9	74.6	77	84.1
	12.7	57.9	72.9	75	79.8	87.3	83.6	86.2	94.2
	13	60.7	76.4	78.6	83.7	91.5	87.6	90.3	98.7
	14	70.4	88.6	91.2	97	106	102	105	114
	14.3	73.4	92.4	-	-	111	-	-	119
	15	80.8	102	-	111	122	117	-	131
	16	91.9	116	119	127	139	133	137	150
	17.5	110	138	-	-	166	-	-	179
	18	116	146	151	160	175	168	173	189
	19	130	163	168	179	195	187	193	211
	20	144	181	186	198	216	207	214	234
	20.6	152	192	-	-	230	-	-	248
	22	174	219	225	240	262	251	259	283


6x19W-FC


6x25F-FC

8x19S-FC,8x19W-FC,8x25F-FC

Preformed, bright, right hand, regular lay

Natural fiber core: Suspension ropes for elevator speed <=2m/s, building height <=60m. Suspension ropes for low-rise, low-speed, low-duty elevators.
Or suspension ropes for elevator speed >2m/s and <2.5m/s, building height <=60m, suspension ropes for high-rise, high-speed elevators.
Macromoledar polymer core: Suspension ropes for elevator speed >2m/s, and <=2.5m/s, building height <=60m, suspension ropes for high-rise, high-speed elevators
Synthetic fiber core: Governor ropes

Standard: GB8903-2005 and purchase request of different elevator company

Construction	Nominal Diameter	Approx Weight	Minimum Breaking Strength (kN)					
			Double Strength (Mpa)			Single Strength (Mpa)		
	mm	kg/100m	1320/1770 1320/1620	1370/1770	1570/1770 1620/1770	1570	1620	1770
 8x19(S)-FC	8	21.8	26.5	28.1	30.8	29.4	30.4	33.2
	9	27.5	33.5	35.6	38.9	37.3	38.4	42
	9.5	30.7	37.3	39.7	43.6	41.5	42.8	46.8
	10	34	41.3	44	48.1	46	47.5	51.9
	11	41.1	50	53.2	58.1	55.7	57.4	62.8
	12	49	59.5	63.3	69.2	66.2	68.4	74.7
	12.7	54.8	66.6	70.9	77.5	74.2	76.5	83.6
	13	57.5	69.8	74.3	81.2	77.7	80.2	87.6
	14	66.6	81	86.1	94.2	90.2	93	102
	14.3	69.5	84.5	89.9	98.3	94.1	97.1	106
	15	76.5	93	98.9	108	104	107	117
	16	87	106	113	123	118	122	133
	17.5	104	127	135	147	141	145	159
	18	110	134	142	156	149	154	168
	19	123	149	159	173	166	171	187
	20	136	165	176	192	184	190	207
	20.6	144	175	187	204	195	201	220
	22	165	200	213	233	223	230	251


8x19(W)-FC


8x25F-FC

- **Sizes in bold are recommended for new elevators.**
- **Specify at time of order if elevator sp speed >2m/s.**
- **The approx. weight is for reference, not used for trade.**
- **We reserve the right to alter specifications without notice.**
- **The data reference standard GB8903-2005 or ISO4344-2004.**

6x29F-FC 6X36WS-FC

Preformed, bright, right hand, regular lay

Standard: GB8903-2005 and purchase request of different elevator company

Construction	Nominal Diameter	Approx Weight	Minimum Breaking Strength		
			1570	1770	1960
	mm	kg/100m	kN	kN	kN
 6x29+FC	24	211	298	336	373
	25	229	324	365	404
	26	248	350	395	437
	27	268	378	426	472
	28	288	406	458	507
	29	309	436	491	544
	30	330	466	526	582
	31	353	498	561	622
	32	376	531	598	662
	33	400	564	636	704
	34	424	599	675	748
	35	450	635	716	792
	36	476	671	757	838
	37	502	709	800	885
	38	530	748	843	934


6x36WS+FC

8x19S-IWRC/IWRF,8x19W-IWRC/IWRF,8x25F-IWRC/IWRF

Preformed, bright, right hand, regular lay

Suspension ropes for elevator speed <4m/s, building height <=100m. Suspension ropes for high-rise, high-speed elevators.


8x19S-IWRC


8x19W-IWRC


8x25F-IWRC


8x19S-IWRF


8x19W-IWRF


8x25F-IWRF


8x19S-IWRF

Standard: GB8903-2005 and purchase request of different elevator company

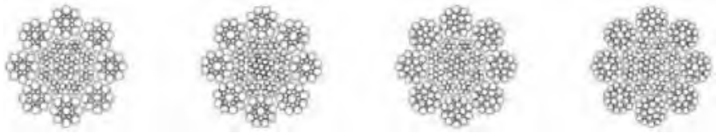
Nominal Diameter mm	Approx Weight kg/100m		Minimum Breaking Strength (kN)											
			Double Strength (Mpa)						Single Strength (Mpa)					
			1320/1770 1320/1620		1370/1770		1570/1770 1620/1770		1570		1620		1770	
	IWRC	IWRF	IWRC	IWRF	IWRC	IWRF	IWRC	IWRF	IWRC	IWRF	IWRC	IWRF	IWRC	IWRF
8	26	25.9	34.2	33.6	35.8	35.2	38	37.4	35.8	35.2	36.9	36.3	40.3	39.6
9	33	32.8	43.3	42.5	45.3	44.5	48.2	47.3	45.3	44.5	46.7	45.9	51	50.2
9.5	36.7	36.6	48.2	47.4	50.4	49.6	53.7	52.8	50.4	49.6	52	51.2	56.9	55.9
10	40.7	40.5	53.4	52.5	55.9	55	59.5	58.5	55.9	55	57.7	56.7	63	62
11	49.2	49	64.6	63.5	67.6	66.5	71.9	70.7	67.6	66.5	69.8	68.6	76.2	75
12	58.6	58.3	76.9	75.6	80.5	79.1	85.6	84.2	80.5	79.1	83	81.6	90.7	89.2
12.7	65.6	65.3	86.1	84.7	90.1	88.6	95.9	94.3	90.1	88.6	93	91.5	102	99.9
13	68.8	68.4	90.2	88.7	94.5	92.9	100	98.8	94.5	92.9	97.5	95.8	106	105
14	79.8	79.4	105	103	110	108	117	115	110	108	113	111	124	121
14.3	83.2	82.8	109	107	114	112	122	120	114	112	118	116	129	127
15	91.6	91.1	120	118	126	124	134	132	126	124	130	128	142	139
16	104	104	137	134	143	141	152	150	143	141	148	145	161	159
17.5	125	124	164	161	171	168	182	179	171	168	177	174	193	190
18	132	131	173	170	181	178	193	189	181	178	187	184	204	201
19	147	146	193	190	202	198	215	211	202	198	208	205	227	224
20	163	162	214	210	224	220	238	234	224	220	231	227	252	248
20.6	173	172	227	223	237	233	252	248	237	233	245	241	267	263
22	197	196	258	254	271	266	288	283	271	266	279	274	305	300

- **Sizes in bold are recommended for new elevators.**
- **Specify at time of order if elevator sp speed >2m/s.**
- **The approx. weight is for reference, not used for trade.**
- **We reserve the right to alter specifications without notice.**
- **The data reference standard GB8903-2005 or ISO4344-2004.**

8x19S-PWRC,8x19W-PWRC,8x21F-PWRC,8x25F-PWRC

Preformed, bright, right hand, regular lay

Standard: GB8903-2005 and purchase request of different elevator company

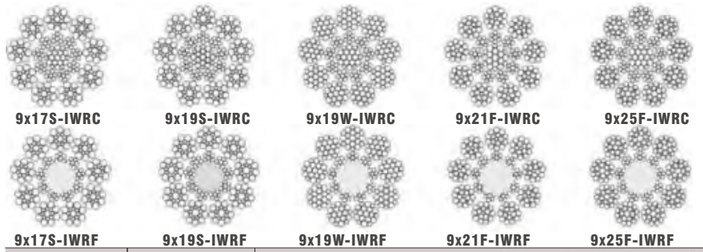


8x19S-PWRC　8x19W-PWRC　8x21F-PWRC　8x25F-PWRC

Suspension ropes for elevator speed <4m/s, building height <=100m. Suspension ropes for high-rise, high-speed elevators

Nominal Diameter	Approx Weight	Minimum Breaking Strength (kN)					
		Double Strength (Mpa)			Single Strength (Mpa)		
mm	kg/100m	1320/1770 1320/1620	1370/1770	1570/1770 1620/1770	1570	1620	1770
8	29.2	38.2	40.7	43.3	40.7	42	45.9
9	37	49.2	51.5	54.8	51.5	53.1	58.1
9.5	41.2	54.8	87.4	61	57.4	59.2	64.7
10	45.7	60.8	63.6	67.6	63.6	65.6	71.7
11	55.3	73.5	76.9	81.8	76.8	79.4	86.7
12	65.8	87.5	91.6	97.4	91.6	94.5	103
12.7	73.7	98	103	109	103	106	116
13	77.2	103	107	114	107	111	121
14	89.6	119	125	133	125	129	141
14.3	93.5	124	130	138	130	134	147
15	103	137	143	152	143	148	161
16	117	156	163	173	163	168	184
17.5	140	186	195	207	195	201	220
18	148	197	206	219	206	213	232
19	165	219	230	244	230	237	259
20	183	243	254	271	254	262	287
20.6	194	258	270	287	270	278	304
22	221	294	308	327	308	318	347

9x17S-IWRC/IWRF,9x19S-IWRC/IWRF,9x19W-IWRC/IWRF,9x21F-IWRC/IWRF,9x25F-IWRC/IWRF



9x17S-IWRC　9x19S-IWRC　9x19W-IWRC　9x21F-IWRC　9x25F-IWRC

9x17S-IWRF　9x19S-IWRF　9x19W-IWRF　9x21F-IWRF　9x25F-IWRF

- Preformed, bright, right hand, regular lay
- Suspension ropes for elevator speed>=4m/s building height>100m, Suspension ropes for high-rise, high-speed elevators

Nominal Diameter mm	Approx Weight kg/100m		Minimum Breaking Strength (kN)									
			Double Strength (Mpa)				Single Strength (Mpa)					
			1370/1770		1570/1770 1620/1770		1570		1620		1770	
	IWRC	IWRF	IWRC	IWRF	IWRC	IWRF	IWRC	IWRF	IWRC	IWRF	IWRC	IWRF
8	27.5	25.6	39.2	37.7	41.7	40.1	39.2	37.7	40.4	38.9	44.2	42.5
9	34.8	32.4	4936	47.7	52.8	50.7	4936	47.7	51.2	49.2	55.9	53.8
9.5	38.8	36.1	55.3	53.1	58.8	56.5	55.3	53.1	57	54.8	62.3	59.9
10	43	40	61.2	58.9	65.1	62.6	61.2	58.9	63.2	60.8	69	66.4
11	52	48.4	74.1	71.2	78.8	75.8	74.1	71.2	76.4	73.5	83.5	80.3
12	61.9	57.6	88.2	84.8	93.8	90.2	88.2	84.8	91	8.5	99.4	95.6
12.7	69.4	64.5	98.8	95	105	101	98.8	95	102	98	111	107
13	72.7	67.6	103	99.5	110	106	103	99.5	107	103	117	112
14	84.3	78.4	120	115	128	123	120	115	124	119	135	130
14.3	87.9	81.8	125	120	133	128	125	120	129	124.	141	136
15	96.8	90	138	132	147	141	138	132	142	137	155	149
16	110	102	157	151	167	160	157	151	162	156	177	170
17.5	132	123	188	180	199	192	188	180	193	186	211	203
18	139	130	198	191	211	203	198	191	205	197	224	215.
19	155	144	221	213	235	226	221	213	228	219	249	240
20	172	160	245	236	261	251	245	236	253	243	276	266
20.6	182	170	260	250	276	266	260	250	268	258	293	282
22	208	194	296	285	315	303	296	285	306	294	334	321

- **Sizes in bold are recommended for new elevators.**
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- **The approx. weight is for reference, not used for trade.**
- **We reserve the right to alter specifications without notice.**
- **The data reference standard GB8903-2005 or ISO4344-2004.**

ATTENTIONS

Rope will be damaged under below improperly handle

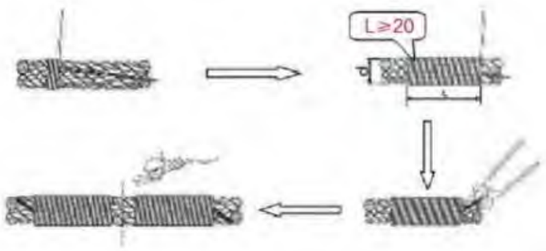
- **Pulling rope off the reel improperly**
- **Rope loops or kinks**
- **Rope untwists**
- **Rope is dragged over sharp edges**
- **Rope is dragged on a dusty, dirty surface**

Rope's service life will be shortened if

- **Traction sheave or diverting pulley installed improperly**
- **Mismatched wire rope material**
- **Prolonged rope vibration**
- **Rope diameter does not fit the groove**
- **Insufficient lubrication**



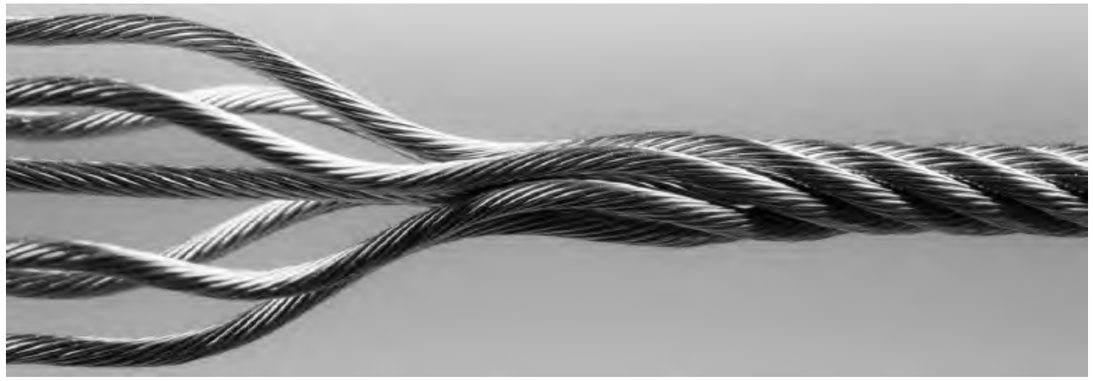
Improper rope release　Loop or kinked



Proper tie up after cutting

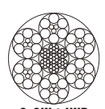


Proper rope release



DIN3055 6x7+FC, 6x7+IWS (7x7), 6X9W+FC, 6X9W+IWR

Galvanized: Electric Galvanized, Hot Dipped Galvanized
Application: for various kind of cable carriage, rope and belt conveyer, cable drawing and slope well winching

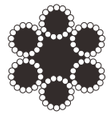
Construction	Nominal Diameter	Approx Weight		Nominal Tensile Strength					
				Minimum Breaking Strength (kN)					
	mm	kg/100m		1570N/mm²		1770N/mm²		1960N/mm²	
		FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS
 6x7+FC	1.2	0.505	0.557	0.75	0.81	0.84	0.91	0.94	1.00
	2	1.40	1.55	2.08	2.25	2.35	2.54	2.60	2.81
	3	3.16	3.48	4.69	5.07	5.28	5.71	5.85	6.33
	4	5.62	6.19	8.33	9.01	9.40	10.10	10.40	11.20
	5	8.77	9.68	13.00	14.00	14.60	15.80	16.20	17.60
	6	12.60	13.90	18.70	20.20	21.10	22.80	23.40	25.30
	7	17.20	19.00	25.50	27.60	28.70	31.10	31.80	34.40
	8	22.50	24.80	33.30	36.00	37.60	40.60	41.60	45.00
 6x7+IWS	9	28.40	31.30	42.20	45.60	47.50	51.40	52.70	56.90
	10	35.10	38.70	52.10	56.30	58.70	63.50	65.00	70.30
	11	42.50	46.80	63.00	68.10	71.10	76.80	78.70	85.10
	12	50.50	55.70	75.00	81.10	84.60	91.50	93.70	101.00
	13	59.30	65.40	88.00	95.20	99.30	107.00	110.00	118.00
	14	68.80	75.90	102.00	110.00	115.00	124.00	127.00	138.00
	16	89.90	99.10	133.00	144.00	150.00	162.00	166.00	180.00
	18	114.00	125.00	168.00	182.00	190.00	205.00	210.00	228.00
	20	140.00	155.00	208.00	225.00	235.00	254.00	260.00	281.00
 6x9W+FC	22	170.00	187.00	252.00	272.00	284.00	307.00	315.00	340.00
	24	202.00	223.00	300.00	324.00	338.00	366.00	374.00	405.00
	26	237.00	262.00	352.00	381.00	397.00	429.00	440.00	475.00
	28	275.00	303.00	408.00	441.00	460.00	498.00	510.00	551.00
	30	316.00	348.00	469.00	507.00	528.00	571.00	585.00	633.00
	32	359.00	396.00	533.00	577.00	601.00	650.00	666.00	720.00
	34	406.00	447.00	602.00	651.00	679.00	734.00	752.00	813.00
	36	455.00	502.00	675.00	730.00	761.00	823.00	843.00	912.00
 6x9W+IWR	38	507.00	559.00	752.00	813.00	848.00	917.00	940.00	1016.00
	40	561.00	619.00	833.00	901.00	940.00	1016.00	1041.00	1125.00
	42	619.00	682.00	919.00	994.00	1036.00	1120.00	1147.00	1241.00
	44	679.00	749.00	1009.00	1091.00	1137.00	1230.00	1260.00	1362.00
	46	742.00	818.00	1102.00	1192.00	1243.00	1344.00	1377.00	1488.00
	48	808.00	891.00	1200.00	1298.00	1354.00	1464.00	1499.00	1621.00

Note: 1) Stainless Steel Wire Rope is Available.
Material: AISI304 ,AISI316 or AISI316L as per requirement.
2) Steel wire rope made as per other standard is available (BS, ASTM, EN etc)

STEEL WIRE ROPE (UNGALVANIZED AND GALVANIZED)

Construction: BS302 6x12+7FC
Galvanized: Electric Galvanized, Hot Dipped Galvanized
Application: for tugboat, cargo net, floating of wood, fish net dragging and binding.

Construction: BS3068 6x24+7FC
Galvanized: Electric Galvanized, Hot Dipped Galvanized
Application: for tugboat, cargo net, floating of wood, fish net dragging and binding.

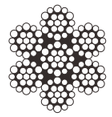
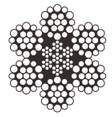
Construction	Nominal Diameter	Approx Weight	Nominal Tensile Strength	
			Minimum Breaking Strength (kN)	
	mm	kg/100m	1570N/mm²	1770N/mm²
 6x12+7FC		NF/SF		
	5	6.28/5.78	8.20	9.25
	6	9.04/8.32	11.80	13.30
	7	12.30/11.30	16.10	18.10
	8	16.10/14.80	21.00	23.70
	9	20.30/18.70	26.60	30.00
	10	25.10/23.10	32.80	37.00
	11	30.40/28.00	39.70	44.80
	12	36.10/33.30	47.30	53.30
	14	49.20/45.30	64.30	72.50
	16	64.30/59.10	84.00	94.70
	18	81.30/74.80	106.00	120.00
	20	100/92.40	131.00	148.00
	22	121/112	159.00	179.00
	24	145/133	189.00	213.00
	26	170/156	222.00	250.00
	28	197/181	257.00	290.00
	30	226/208	295.00	333.00
	32	257/237	336.00	379.00
	34	290/267	379.00	428.00
	36	325/299	425.00	479.00
	38	362/334	474.00	534.00
	40	402/370	525.00	592.00
	42	442/407	579.00	652.00
	44	486/447	635.00	716.00
	46	531/488	694.00	782.00

Construction	Nominal Diameter	Approx Weight	Nominal Tensile Strength	
			Minimum Breaking Strength (kN)	
	mm	kg/100m	1570N/mm²	1770N/mm²
 6x24+7FC		NF/SF		
	5	7.95/7.60	11.00	12.40
	8	20.40/19.50	28.10	31.70
	9	25.80/24.60	35.60	40.10
	10	31.80/30.40	44.00	49.60
	11	38.50/36.80	53.20	60.00
	12	45.80/43.80	63.30	71.40
	13	53.70/51.40	74.30	83.80
	14	62.30/59.60	86.20	97.10
	16	81.40/77.80	113.00	127.00
	18	103.00/98.50	142.00	161.00
	20	127/122	176.00	198.00
	22	154/147	213.00	240.00
	24	183/175	253.00	285.00
	26	215/206	297.00	335.00
	28	249/238	345.00	389.00
	30	286/274	396.00	446.00
	32	326/311	450.00	507.00
	34	368/351	508.00	573.00
	36	412/394	570.00	642.00
	38	459/439	635.00	716.00
	40	509/486	703.00	793.00
	42	561/536	775.00	874.00
	44	616/589	851.00	959.00
	46	673/643	930.00	1050.00
	48	733/700	1010.00	1140.00
	50	795/760	1100.00	1240.00



STEEL WIRE ROPE (UNGALVANIZED AND GALVANIZED)

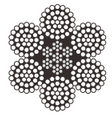
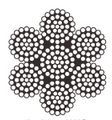
Construction: DIN3055 6x19+FC, 6x19+IWS or IWR
Galvanized: Electric Galvanized, Hot Dipped Galvanized
Application: for various equipment for lifting, drawing and fish net dragging.

Construction 结构	Nominal Diameter 直径	Approx Weight 重量		Nominal Tensile Strength 公称抗拉强度 Minimum Breaking Strength (kN) 最小破断强度					
	mm	kg/100m		1570N/mm²		1770N/mm²		1960N/mm²	
		NF/SF (天然纤维芯/合成纤维芯)	IWR/IWS(钢芯)	FC(麻芯)	IWR/IWS(钢芯)	FC(麻芯)	IWR/IWS(钢芯)	FC(麻芯)	IWR/IWS(钢芯)
 6x19+FC	3	3.11/3.03	3.43	4.34	4.69	4.89	5.29	5.41	5.85
	4	5.54/5.39	6.10	7.71	8.34	8.69	9.40	9.62	10.40
	5	8.65/8.43	9.53	12.00	13.00	13.60	14.70	15.00	16.20
	6	12.50/12.10	13.70	17.40	18.80	19.60	21.20	21.60	23.40
	7	17.00/16.50	18.70	23.60	25.50	26.60	28.80	29.40	31.80
	8	22.10/21.60	24.40	30.80	33.40	34.80	37.60	38.50	41.60
	9	28.00/27.30	30.90	39.00	42.20	44.00	47.60	48.70	52.70
	10	34.60/33.70	38.10	48.20	52.10	54.30	58.80	60.00	65.00
 6x19+IWS	11	41.90/40.80	46.10	58.30	63.10	65.80	71.10	72.80	78.70
	12	49.80/48.50	54.90	69.40	75.10	78.20	84.60	86.60	93.70
	13	58.50/57.00	64.40	81.50	88.10	91.80	99.30	101	110
	14	67.80/66.10	74.70	94.50	102	107	115	118	127
	16	88.60/86.30	97.50	123	133	139	150	154	166
	18	112/109	123	156	169	176	190	195	210
	20	138/135	152	193	208	217	235	240	260
	22	167/163	184	233	252	263	284	291	315
 6x19+IWR	24	199/194	219	278	300	313	338	346	374
	26	234/228	258	326	352	367	397	406	440
	28	271/264	299	378	409	426	461	471	510
	30	311/303	343	434	469	489	529	541	585
	32	354/345	390	494	534	556	602	616	666
	34	400/390	440	557	603	628	679	695	752
	36	448/437	494	625	676	704	762	780	843
	38	500/487	550	696	753	785	849	868	940
	40	554/539	610	771	834	869	940	962	1041
	42	610/594	672	850	919	959	1040	1061	1147
	42	670/652	738	933	1010	1050	1140	1164	1260
	46	732/713	806	1020	1100	1150	1240	1273	1376
	48	797/776	878	1110	1200	1250	1350	1386	1499
	50	865/843	953	1200	1300	1360	1470	1504	1626
	52	936/911	1030	1300	1410	1470	1590	1627	1759
	54	1010/983	1110	1410	1520	1580	1710	1754	1897
	56	1090/1060	1190	1510	1630	1700	1840	1887	2040

Note: 1) Stainless Steel Wire Rope is Available.
Material: AISI304 ,AISI316 or AISI316L as per requirement.
2) Steel wire rope made as per other standard is available (BS, ASTM, EN etc)

STEEL WIRE ROPE (UNGALVANIZED AND GALVANIZED)

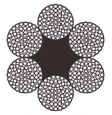
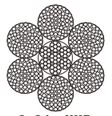
Construction: DIN3066 6x37+FC, 6x37+IWR or IWS
Galvanized: Electric Galvanized, Hot Dipped Galvanized
Application: for vertical well balance, loading and unloading of ship, fish net dragging and salvaging sunken ship.

Construction	Nominal Diameter	Approx Weight		Nominal Tensile Strength Minimum Breaking Strength (kN)					
	mm	kg/100m		1570N/mm²		1770N/mm²		1960N/mm²	
		NF/SF	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS
 6x37+FC	5	8.65/8.43	9.53	11.60	12.50	13.10	14.10	14.40	15.60
	6	12.50/12.10	13.70	16.70	18.00	18.80	20.30	20.80	22.50
	7	17.00/16.50	18.70	22.70	24.50	25.60	27.70	28.30	30.60
	8	22.10/21.60	24.40	29.60	32.10	33.40	36.10	37.00	40.00
	9	28.00/27.30	30.90	37.50	40.60	42.30	45.70	46.80	50.60
	10	34.60/33.70	38.10	46.30	50.10	52.20	56.50	57.80	62.50
	11	41.90/40.80	46.10	56	60.60	63.20	68.30	69.90	75.60
	12	49.80/48.50	54.90	66.70	72.10	75.20	81.30	83.20	90.00
	13	58.50/57.00	64.40	78.30	84.60	88.20	95.40	97.70	105
	14	67.80/66.10	74.70	90.80	98.20	102	111	113	122
	16	88.60/86.30	97.50	119	128	134	145	148	160
 6x37+IWR	18	112/109	123	150	162	169	183	187	202
	20	138/135	152	185	200	209	226	231	250
	22	167/163	184	224	242	253	273	279	302
	24	199/194	219	267	288	301	325	333	360
	26	234/228	258	313	339	353	382	390	422
	28	271/264	299	363	393	409	443	453	490
	30	311/303	343	417	451	470	508	520	562
	32	354/345	390	474	513	535	578	592	640
	34	400/390	440	535	579	604	653	668	722
	36	448/437	494	600	649	677	732	749	810
 6x37+IWS	38	500/487	550	669	723	754	815	834	902
	40	554/539	610	741	801	835	903	925	1000
	42	610/594	672	817	883	921	996	1020	1102
	44	670/652	738	897	970	1010	1090	1119	1210
	46	732/713	806	980	1060	1100	1190	1223	1323
	48	797/776	878	1070	1150	1200	1300	1332	1440
	50	865/843	953	1160	1250	1310	1410	1445	1563
	52	936/911	1030	1250	1350	1410	1530	1563	1690
	54	1010/983	1110	1350	1460	1520	1650	1686	1823
	56	1090/1060	1190	1450	1570	1640	1770	1813	1960
	58	1160/1130	1280	1560	1680	1760	1900	1945	2103
	60	1250/1210	1370	1670	1800	1880	2030	2081	2250
	62	1330/1300	1460	1780	1930	2010	2170	2222	2403
	64	1420/1380	1560	1900	2050	2140	2310	2368	2560
	66	1510/1470	1660	2020	2180	2270	2460	2518	2723
	68	1600/1560	1760	2140	2320	2410	2610	2673	2891
	70	1700/1650	1870	2270	2450	2560	2770	2833	3063
	72	1790/1750	1980	2400	2600	2710	2930	2997	3241
	74	1890/1850	2090	2540	2740	2860	3090	3166	3423
	76	2000/1950	2200	2680	2890	3020	3260	3339	3611
	78	2110/2050	2320	2820	3050	3180	3440	3517	3803
	80	2210/2160	2440	2960	3210	3340	3610	3700	4001

Note: 1) Stainless Steel Wire Rope is Available.
Material: AISI304 ,AISI316 or AISI316L as per requirement.
2) Steel wire rope made as per other standard is available (BS, ASTM, EN etc)

STEEL WIRE ROPE (UNGALVANIZED AND GALVANIZED)

Construction: 6x61+FC, 6x61+IWR
Galvanized: Electric Galvanized, Hot Dipped Galvanized
Application: for various equipment for lifting, drawing and fish net dragging.

Construction	Nominal Diameter	Approx Weight		Nominal Tensile Strength					
				Minimum Breaking Strength (kN)					
	mm	kg/100m		1570N/mm²		1770N/mm²		1960N/mm²	
		NF/SF	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS
 6x61+FC	8	23.10/22.60	25.40	30.30	32.70	32.20	36.90	37.80	40.80
	12	52.00/51.00	57.30	68.20	73.70	77.00	83.00	85.20	92.00
	20	144/142	159	190	205	214	231	236	255
	26	244/239	269	321	346	361	390	400	432
	30	325/319	358	427	461	481	519	532	575
	36	468/459	516	614	663	693	748	767	828
	40	578/566	637	759	819	855	923	947	1022
 6x61+IWR	46	764/749	842	1000	1080	1130	1220	1252	1352
	50	903/885	995	1190	1280	1340	1440	1479	1597
	56	1130/1110	1250	1490	1610	1680	1810	1856	2000
	60	1300/1270	1430	1710	1840	1920	2080	2130	2297
	66	1570/1540	1730	2070	2230	2330	2510	2578	2780
	68	1670/1640	1840	2190	2370	2470	2670	2737	2950
	70	1770/1730	1950	2320	2510	2620	2830	2900	3127

Construction: 8x61+FC, 8x61+IWR
Galvanized: Electric Galvanized, Hot Dipped Galvanized
Application: for various equipment for lifting, drawing and fish net dragging.

Construction	Nominal Diameter	Approx Weight		Nominal Tensile Strength					
				Minimum Breaking Strength (kN)					
	mm	kg/100m		1570N/mm²		1770N/mm²		1960N/mm²	
		NF/SF	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS
 8x61+FC	8	22.80	26.56	27.30	32.30	30.80	36.40	34.20	40.30
	16	91.20	106	110	129	123	146	137	161
	20	143	166	171	202	193	228	214	252
	26	241	280	289	341	326	384	361	426
	30	321	374	385	454	434	512	480	567
	32	365	425	438	516	493	582	546	645
	36	462	538	554	654	624	737	691	816
 8x61+IWR	40	570	664	684	807	771	910	853	1007
	46	754	880.8	904	1066	1020	1203	1129	1331
	50	890	1038	1068	1260	1204	1420	1333	1573
	56	1117	1302	1339	1580	1510	1782	1672	1974
	60	1282	1494	1538	1815	1734	2046	1920	2265
	66	1551	1808	1860	2196	2098	2475	2323	2741
	70	1745	2034	2093	2470	2360	2785	2613	3083

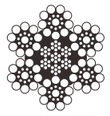
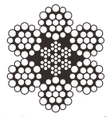
Note: 1) Stainless Steel Wire Rope is Available.
Material: AISI304 ,AISI316 or AISI316L as per requirement.
2) Steel wire rope made as per other standard is available (BS, ASTM, EN etc)



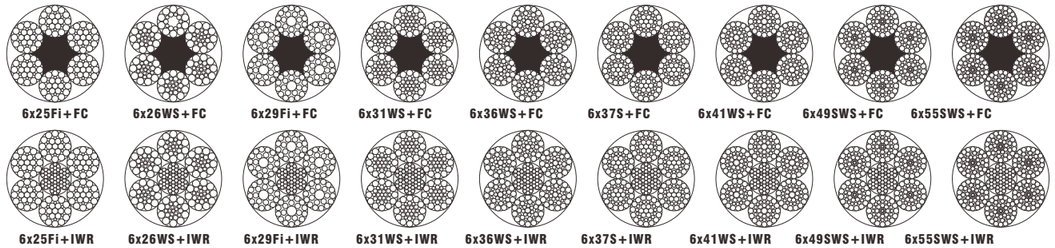



LINE CONTACTED STEEL WIRE ROPE (UNGALVANIZED AND GALVANIZED)

Construction: DIN3058 6x19(S)+FC, 6x19(S)+IWRC, 6x19(W)+FC, 6x19(W)+IWRC
Galvanized: Electric Galvanized, Hot Dipped Galvanized
Application: for vertical well hoisting, blast furnace winching, oil well drilling, belt conveyer and cable drawing, cable excavator.

Construction	Nominal Diameter	Approx Weight		Nominal Tensile Strength					
				Minimum Breaking Strength (kN)					
	mm	kg/100m		1570N/mm²		1770N/mm²		1960N/mm²	
		NF/SF	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS
6x19(S)+FC	5	9.20/9.00	10.10	13.00	14.00	14.60	15.80	16.10	17.40
	6	13.30/13.00	14.60	18.70	20.10	21.00	22.70	23.20	25.10
	7	18.10/17.60	19.90	25.40	27.40	28.60	30.90	31.70	34.20
	8	23.60/23.00	25.90	33.20	35.80	37.40	40.30	41.30	44.60
	9	29.90/29.10	32.80	42.00	45.30	47.30	51.00	52.30	56.50
	10	36.90/36.00	40.50	51.80	55.90	58.40	63.00	64.60	69.70
	11	44.60/43.50	49.10	62.70	67.60	70.70	76.20	78.20	84.40
	12	53.10/51.80	58.40	74.60	80.50	84.10	90.70	93.10	100
 6x19(W)+FC	13	62.30/60.80	68.50	87.60	94.50	98.70	106	109	118
	14	72.20/70.50	79.50	102	110	114	124	126	136
	16	94.40/92.10	104	133	143	150	161	165	178
	18	119/117	131	168	181	189	204	209	226
	20	147/144	162	207	224	234	252	258	279
	22	178/174	196	251	271	283	305	313	337
	24	212/207	234	298	322	336	363	372	402
 6x19(S)+IWRC	26	249/243	274	350	378	395	426	437	471
	28	289/282	318	406	438	458	494	507	547
	30	332/324	365	466	503	526	567	582	627
	32	377/369	415	531	572	598	645	662	714
	34	426/416	469	599	646	675	728	747	806
	36	478/466	525	671	724	757	817	838	904
	38	532/520	585	748	807	843	910	933	1007
 6x19(W)+IWRC	40	590/576	649	829	894	935	1010	1034	1116
	42	650/635	715	914	986	1030	1110	1140	1230
	44	714/697	785	1000	1080	1130	1220	1252	1350
	46	780/761	858	1100	1180	1240	1330	1368	1476
	48	849/829	934	1190	1290	1350	1450	1490	1607
	50	922/900	1010	1300	1400	1460	1580	1617	1744

LINE CONTACTED STEEL WIRE ROPE (UNGALVANIZED AND GALVANIZED)



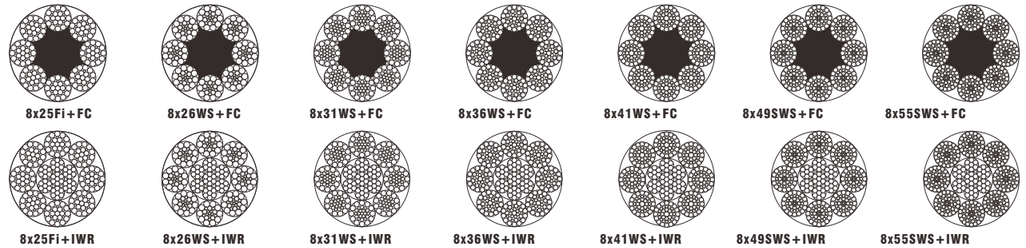
Construction: 6x25 Fi, 6x29 Fi, 6x26WS, 6x31WS,6x36WS,6x37S,6x41WS,6x49SWS, 6x55SWS

Galvanized: Electric Galvanized, Hot Dipped Galvanized

Application: for port loading and unloading purposes, for tower crane purpose, lifting and drawing; the rope with steel core can be used under the shock load, heated and squeezed conditions such as excavator

Nominal Diameter	Approx Weight		Nominal Tensile Strength					
			Minimum Breaking Strength (kN)					
mm	kg/100m		1570N/mm²		1770N/mm²		1960N/mm²	
	NF/SF	IWR/IWS	FC	IWR/IWS	FC	IWR/IW	FC	IWR/IWS
6	13. 70/13. 40	15. 00	18. 60	20. 10	21. 00	22. 60	23. 20	25. 10
8	24. 30/23. 70	26. 80	33. 20	35. 80	37. 40	40. 30	41. 40	44. 60
9	30. 80/30. 10	33. 90	42. 00	45. 30	47. 30	51. 00	52. 30	56. 50
10	38. 00/37. 10	41. 80	51. 80	55. 90	58. 40	63. 00	64. 60	69. 70
11	46. 00/44. 90	50. 60	62. 70	67. 60	70. 70	76. 20	78. 20	84. 40
12	54. 70/53. 40	60. 20	74. 60	80. 50	84. 10	90. 70	93. 10	100
13	64. 20/62. 70	70. 60	87. 60	94. 50	98. 70	106	109	118
14	74. 50/72. 70	81. 90	102	110	114	124	126	136
16	97. 30/95. 00	107	133	143	150	161	165	178
18	123/120	135	168	181	189	204	209	226
20	152/148	167	207	224	234	252	258	279
22	184/180	202	251	271	283	305	313	337
24	219/214	241	298	322	336	363	372	402
26	257/251	283	350	378	395	426	437	471
28	298/291	328	406	438	458	494	507	547
30	342/334	376	466	503	526	567	582	627
32	389/380	428	531	572	598	645	662	714
34	439/429	483	599	646	675	728	747	806
36	492/481	542	671	724	757	817	838	904
38	549/536	604	748	807	843	910	933	1007
40	608/594	669	829	894	935	1010	1034	1116
42	670/654	737	914	986	1030	1110	1140	1230
44	736/718	809	1000	1080	1130	1220	1252	1350
46	804/785	884	1100	1180	1240	1330	1368	1476
48	876/855	963	1190	1290	1350	1450	1490	1607
50	950/928	1050	1300	1400	1460	1580	1617	1744
52	1030/1000	1130	1400	1510	1580	1700	1748	1886
54	1110/1080	1220	1510	1630	1700	1840	1886	2034
56	1190/1160	1310	1620	1750	1830	1980	2028	2188
58	1280/1250	1410	1740	1880	1960	2120	2175	2347
60	1370/1340	1500	1870	2010	2100	2270	2328	2511
62	1460/1430	1610	1990	2150	2250	2420	2486	2682
65	1606/1567	1766	2188	2361	2467	2662	2732	2948

LINE CONTACTED STEEL WIRE ROPE (UNGALVANIZED AND GALVANIZED)



Construction: 8x25Fi,8x26WS,8x31WS,8x36WS,8x41WS,8x49SWS,8x55SWS

Galvanized: Electric Galvanized, Hot Dipped Galvanized

Application: for port loading and unloading purposes, for tower crane purpose, lifting and drawing; the rope with steel core can be used under the shock load, heated and squeezed conditions such as excavator

Nominal Diameter	Approx Weight		Nominal Tensile Strength					
			Minimum Breaking Strength (kN)					
mm	kg/100m		1570N/mm²		1770N/mm²		1960N/mm²	
	NF/SF	IWR/IWS	F	IWR/IW	FC(	IWR/IWS	FC	IWR/IWS
8	22. 98/22. 00	27. 90	29. 30	34. 70	33. 10	39. 10	36. 70	43. 40
9	29. 00/27. 80	35. 30	37. 10	43. 90	41. 90	49. 50	46. 50	54. 90
10	35. 90/34. 40	43. 60	45. 80	54. 20	51. 70	61. 10	57. 40	67. 80
11	43. 30/42. 60	52. 70	55. 50	65. 50	62. 60	73. 90	69. 50	82. 00
12	51. 50/49. 50	62. 80	66. 00	79. 00	74. 50	88. 00	82. 70	97. 60
13	60. 40/58. 10	73. 60	77. 50	91. 50	87. 40	103	97. 00	114
14	70. 10/67. 40	85. 40	89. 80	106	101	120	112	133
16	91. 60/88. 00	111	117	139	132	156	147	173
18	116/111	141	149	176	168	198	186	220
20	143/138	174	184	217	207	224	230	271
22	173/166	210	222	262	250	296	278	328
24	206/198	251	264	312	298	352	330	390
26	242/232	295	310	367	350	413	388	458
28	280/270	342	360	425	406	480	450	531
30	322/310	392	414	488	446	551	516	610
32	366/352	446	471	556	531	627	588	694
34	414/398	504	532	628	600	707	663	784
36	464/446	565	596	704	672	793	744	878
38	517/497	630	664	784	748	884	829	979
40	572/550	698	736	869	830	979	918	1085
42	631/607	769	811	958	914	1080	1013	1196
44	693/666	844	890	1051	1004	1185	1111	1312
46	757/730	922	973	1140	1090	1295	1215	1434
48	825/793	1004	1050	1251	14194	1411	1323	1562
50	895/860	1090	1150	1358	1296	1531	1435	1695
52	968/930	1179	1243	1468	1402	1655	1552	1833
54	1044/1003	1271	1341	1584	1512	1785	1674	1977
56	1122/1079	1367	1442	1703	1626	1920	1800	2126
58	1204/1157	1466	1547	1827	1744	2060	1931	2281
60	1288/1238	1570	1656	1955	1866	2204	2067	2441
62	1376/1322	1676	1768	2088	1996	2354	2207	2606
64	1466/1410	1886	1884	2225	2124	2500	2352	2777
66	1560/1498	1900	2004	2366	2259	2667	2501	2954
68	1655/1590	2016	2127	2511	2398	2831	2655	3135
70	1754/1685	2136	2254	2661	2541	3000	2814	3322
72	1855/1783	2260	2384	2816	2688	3174	2977	3515
74	1960/1884	2388	2519	2974	2840	3353	3144	3713
76	2067/1987	2518	2657	3137	2995	3537	3317	3917
78	2178/2092	2652	2798	3304	3155	3725	3494	4125
80	2291/2201	2790	2944	3476	3319	3919	3675	4340

STEEL WIRE ROPE (UNGALVANIZED AND GALVANIZED)

Construction: DIN3062 8x19(S)+FC, 8x19(S)+IWRC; DIN3063 8x19(W)+FC, 8x19(W)+IWRC

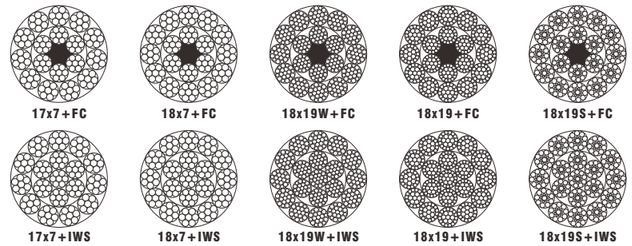
Galvanized: Electric Galvanized, Hot Dipped Galvanized
Application: Elevator, crane, machinery

Construction	Nominal Diameter	Approx Weight		Nominal Tensile Strength					
				Minimum Breaking Strength (kN)					
	mm	kg/100m		1570N/mm²		1770N/mm²		1960N/mm²	
		NF/SF	IWR/IWS	FC	IWR/IWS	FC	IWR/IW	FC	IWR/IWS
 8x19(S)+FC	8	22.10/21.40	27.00	29.40	34.70	33.10	39.20	35.00	41.40
	9	28.00/27.10	34.20	37.30	44.00	42.00	49.60	44.30	52.40
	10	34.60/33.40	42.20	46.00	54.30	51.80	61.20	54.70	64.70
	11	41.90/40.40	51.10	55.60	65.70	62.70	74.10	66.20	78.20
	12	49.90/48.00	60.80	66.20	78.20	74.60	88.10	78.80	93.10
	13	58.50/56.40	71.30	77.70	91.80	87.60	103	92.50	109
	14	67.90/65.40	82.70	90.10	106	101	120	107	126
 8x19(W)+FC	16	88.70/85.40	108	117	139	132	156	140	165
	18	112/108	137	149	176	168	198	177	209
	20	139/133	169	184	217	207	244	219	258
	22	168/162	204	222	262	251	296	265	313
	24	199/192	243	264	312	298	352	315	372
 8x19(S)+IWRC	26	234/226	285	310	367	350	413	370	437
	28	271/262	330	360	425	406	480	429	507
	30	312/300	380	414	488	466	551	493	582
	32	355/342	432	471	556	531	627	561	662
	34	400/386	488	532	628	600	707	633	747
 8x19(W)+IWRC	36	448/432	546	596	704	672	793	710	838
	38	500/482	609	664	784	748	884	791	934
	40	554/534	675	736	869	830	979	876	1030
	42	611/589	744	811	958	914	1080	966	1141
	44	670/646	817	890	1051	1000	1180	1060	1252
	46	733/706	893	973	1140	1090	1290	1150	1360
	50	865/835	1055	1155	1358	1296	1531	1369	1617





NON-ROTATING STEEL WIRE ROPE (UNGALVANIZED AND GALVANIZED)





Construction: 17x7+FC,17x7+IWS,18x7+FC,18x7+IWS,18x19s+FC,18x19s+IWS
18x19W+FC, 18x19W+IWS, 18x19+FC, 18x19+IWS

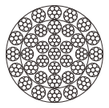
Galvanized: Electric Galvanized, Hot Dipped Galvanized
Application: for port loading and unloading purposes, for tower crane purpose, lifting and drawing; the rope with steel core can be used under the shock load, heated and squeezed conditions such as excavator.

Nominal Diameter		Approx Weight	Nominal Tensile Strength					
			Minimum Breaking Strength (kN)					
		kg/100m	1570N/mm²		1770N/mm²		1960N/mm²	
mm	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IW	FC	IWR/IWS
6	14.0	15.5	17.5	18.5	19.8	20.9	21.9	23.1
7	19.1	21.1	23.8	25.2	26.9	28.4	29.8	31.5
8	25.0	27.5	31.1	33.0	35.1	37.2	38.9	41.1
9	31.6	34.8	39.4	41.7	44.4	47.0	49.2	52.1
10	39.0	43.0	48.7	51.5	54.9	58.1	60.8	64.3
11	47.2	52.0	58.9	62.3	66.4	70.2	73.5	77.8
12	56.2	61.9	70.1	74.2	79.0	83.6	87.5	92.6
13	65.9	72.7	82.3	87	92.7	98.1	103	109
14	76.4	84.3	95.4	101	108	114	119	126
16	99.8	110	125	132	140	149	156	165
18	126	139	158	167	178	188	197	208
20	156	172	195	206	219	232	243	257
22	189	208	236	249	266	281	294	311
24	225	248	280	297	316	334	350	370
26	264	291	329	348	371	392	411	435
28	306	337	382	404	430	455	476	504
30	351	387	438	463	494	523	547	579
32	399	440	498	527	562	594	622	658
34	451	497	563	595	634	671	702	743
36	505	557	631	667	711	752	787	833
38	563	621	703	744	792	838	877	928
40	624	688	779	824	878	929	972	1030
42	688	759	859	908	968	1020	1070	1130
44	755	832	942	997	1060	1120	1180	1240

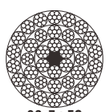
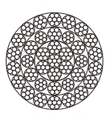
Note: 1) Stainless Steel Wire Rope is Available.
Material: AISI304 ,AISI316 or AISI316L as per requirement.
2) Steel wire rope made as per other standard is available (BS, ASTM, EN etc)

NON-ROTATING STEEL WIRE ROPE (UNGALVANIZED AND GALVANIZED)

Construction: 35Wx7
Galvanized: Electric Galvanized, Hot Dipped Galvanized
Application: Elevator, crane, machinery.

Construction	Nominal Diameter	Approx Weight	Nominal Tensile Strength			
			Minimum Breaking Strength (kN)			
	mm	kg/100m	1570N/mm²	1770N/mm²	1870N/mm²	1960N/mm²
 35Wx7	8	29.4	36.1	40.7	43.0	45.1
	10	46	56.5	63.7	67.3	70.6
	12	66.2	81.4	91.8	96.9	102
	14	90.2	111	125	132	138
	16	118	145	163	172	181
	18	149	183	206	218	229
	20	184	226	255	269	282
	22	223	274	308	326	342
	24	265	326	367	388	406
	26	311	382	431	455	477
	28	361	443	500	528	553
	30	414	509	573	606	635
	32	471	579	652	689	723
	34	532	653	737	778	816
	36	596	732	826	872	914
	38	664	816	920	972	1020
	40	736	904	1020	1080	1130
	42	811	997	1120	1190	1240
	44	891	1090	1230	1300	1370
	46	973	1196	1348	1424	1493
	48	1060	1302	1468	1551	1625
	50	1150	1410	1590	1680	1760

Construction: 34x7+FC,34X7+IWS, 36x7+FC, 36x7+IWS
Galvanized: Electric Galvanized, Hot Dipped Galvanized
Application: equipment for port loading and unloading, tower crane lifting.

Construction	Nominal Diameter	Approx Weight	Nominal Tensile Strength			
			Minimum Breaking Strength (kN)			
	mm	kg/100m	1570N/mm²	1770N/mm²	1870N/mm²	1960N/mm²
 34x7+FC	8	24.96	32.0	36.1	38.1	39.9
	10	39.00	50.0	56.3	59.5	62.4
	12	56.16	72.0	81.1	85.7	89.8
	14	76.44	98.0	111	117	123
 34x7+IWS	16	99.84	128	144	153	160
	18	126.36	162	182	193	202
	20	156	200	225	238	250
 36x7+FC	24	225	288	325	343	360
	28	306	392	442	467	489
	30	351	450	507	536	561
 36x7+IWS	36	506	648	730	771	808
	42	688	881	993	1049	1100
	48	900	1151	1297	1370	1437

ASTM-A-475 Steel Strand

Nominal Diameter	No. of Wire	Wire Diameter	General Grade	Minimum Breaking Strength (kN)				Approx Weight
				Ordinary Grade	Open Hearth Grade	High Grade	Enhance Grade	
Inch		Inch	Lbf	Lbf	Lbf	Lbf	Lbf	Lb/100Ft
1/8	7	0.041	-	540	910	1330	1830	3.2
5/32	7	0.052	-	870	1470	2140	2940	5.1
3/16	7	0.062	-	1150	1900	2850	3990	7.3
3/16	7	0.065	2400	-	-	-	-	8.0
7/32	3	0.104	-	1400	2340	3500	4900	8.8
7/32	7	0.072	-	1540	2560	3850	5400	9.8
1/4	3	0.120	3150	1860	3040	4730	6740	11.7
1/4	3	0.120	4500	-	-	-	-	11.7
1/4	7	0.080	-	1900	3150	4750	6650	12.1
9/32	3	0.130	-	2080	3380	5260	7500	13.7
9/32	7	0.093	4600	2570	4250	6400	8950	16.4
5/16	3	0.145	6500	2490	4090	6350	9100	17.1
5/16	7	0.104	-	3200	5350	8000	11200	20.5
5/16	7	0.109	6000	-	-	-	-	22.5
3/8	3	0.165	8500	3330	5560	8360	11800	22.0
3/8	7	0.120	11500	4250	6950	10800	15400	27.3
7/16	7	0.145	18000	5700	9350	14500	20800	39.9
1/2	7	0.165	25000	7400	12100	18800	26900	51.7
1/2	19	0.100	-	7620	12700	19100	26700	50.4
9/16	7	0.188	-	9600	15700	24500	35000	67.1
9/16	19	0.113	-	9640	16100	24100	33700	81.3
5/8	7	0.207	-	11600	19100	29600	42400	79.6
5/8	19	0.125	-	11000	18100	28100	40200	115.5
3/4	19	0.150	-	16000	26200	40800	58300	158.1
7/8	19	0.177	-	21900	35900	55800	79700	207.3
1	19	0.200	-	28700	47000	73200	104500	

JIS-G3537 steel strand

Wire Grade	Numbers/Wire Diameter	Diameter of steel strand	Section Area of steel strand	Minimum Breaking Strength (kN)			Approx Weight
	pcs/mm	mm	mm2	Type 1	Type 2	Type 3	kg/100m
Grade 1	3/2.9	6.2	19.8	22.4	16.1	12.6	156
	3/3.2	6.9	24.1	27.4	19.6	15.2	190
	3/3.5	7.5	28.9	32.5	23.4	18.2	228
	3/4	8.6	37.7	42.5	30.6	23.8	297
	3/4.3	9.3	43.6	49.2	35.5	27.7	344
	3/4.5	9.7	47.7	53.8	38.7	30.3	376
Grade 2	7/1	3.0	5.50	6.19	4.48	3.47	43.5
	7/1.2	3.6	7.92	8.90	6.44	4.99	62.7
	7/1.4	4.2	10.8	12.2	8.78	6.83	85.3
	7/1.6	4.8	14.1	15.9	11.5	8.90	111
	7/1.8	5.4	17.8	20.1	14.4	11.3	141
	7/2	6.0	22.0	24.8	17.8	13.9	174
	7/2.3	6.9	29.1	32.8	23.6	18.3	230
	7/2.6	7.8	37.2	42.0	30.2	23.5	294
	7/2.9	8.7	46.2	52.5	37.6	29.2	366
	7/3.2	9.6	56.3	63.7	45.7	35.6	446
	7/3.5	10.5	67.3	75.8	54.7	42.5	533
	7/3.8	11.4	79.3	89.6	64.4	50.1	628
	7/4	12.0	88.0	99.1	71.4	55.6	696
	7/4.3	12.9	102	115	82.8	64.4	805
	7/4.5	13.5	111	126	90.3	70.1	881
	7/5	15.0	137	155	112	86.5	1090
Grade 3	19/1.6	8.0	38.2	42.1	30.4	23.6	304
	19/1.8	9.0	48.3	53.3	38.4	29.8	384
	19/2	11.0	59.7	65.9	47.5	36.9	474
	19/2.3	11.5	78.9	87.0	62.8	48.8	627
	19/2.6	13.0	102	112	80.1	62.4	802
	19/2.9	14.5	125	138	100	77.5	997
	19/3.2	16.0	153	170	122	94.4	1210
	19/3.5	17.5	183	201	145	113	1450
	19/4	20.0	239	263	189	147	1900

PVC/PP/PE COATED STEEL WIRE ROPE

Application: PVC coated steel wire rope can be widely used in automobiles, ship building, construction industry and all the needs of outdoor applications or special working environment. Mainly used in mine hoist cage, meat processing plant, upgrade machinery, ship anchors and fishing operations, fishing vessels trawling, etc.

Diameter		Weight						Breaking Strength
Inner Cable	Outer Cover	Inner Cable		Coating		Total		
		lb/1000'	kg/1000'	lb/1000'	kg/1000'	lb/1000'	kg/1000'	lb
7x7(PVC/PP/PE)								
3/64	1/16	4.20	1.91	0.84	0.38	5.04	2.29	270
3/64	5/64	4.20	1.91	1.93	0.87	6.13	2.78	270
1/16	3/32	7.50	3.40	2.40	1.09	9.90	4.49	480
1/16	1/8	7.50	3.40	5.78	2.62	13.28	6.02	480
3/32	1/8	16.00	7.26	3.40	1.54	19.40	8.80	920
3/32	5/32	16.00	7.26	7.72	3.50	23.72	10.76	920
3/32	3/16	16.00	7.26	13.02	5.90	29.02	13.16	920
1/8	5/32	28.50	12.93	4.34	1.97	32.84	14.90	1700
1/8	3/16	28.50	12.93	9.64	4.37	38.14	17.30	1700
3/16	1/4	62.00	28.12	13.50	6.12	75.50	34.24	3700
3/16	5/16	62.00	28.12	30.82	13.98	92.82	42.10	3700
7x19(PVC/PP/PE)								
3/32	1/8	17.40	7.89	3.37	1.53	20.77	9.42	1000
3/32	5/32	17.40	7.89	7.72	3.50	25.12	11.40	1000
3/32	3/16	17.40	7.89	13.02	5.91	30.42	13.80	1000
1/8	5/32	29.00	13.15	4.34	1.97	33.34	15.12	2000
1/8	3/16	29.00	13.15	9.64	4.37	38.64	17.52	2000
5/32	7/32	45.00	20.14	11.56	5.24	56.56	25.65	2800
5/32	1/4	45.00	20.14	18.80	8.53	63.80	28.94	2800
3/16	1/4	65.00	29.48	13.50	6.12	78.50	35.60	4200
3/16	5/16	65.00	29.48	30.82	13.98	95.82	43.46	4200
1/4	5/16	110.00	49.90	17.40	7.90	127.40	57.80	7000
1/4	3/8	110.00	49.90	38.60	17.50	148.60	67.40	7000
5/16	3/8	173.00	78.47	21.20	9.63	194.20	88.10	9800
5/16	7/16	173.00	78.47	46.30	21.00	219.30	99.50	9800
3/8	7/16	243.00	110.22	25.10	11.38	268.10	121.60	14400
3/8	1/2	243.00	110.22	54.00	24.48	297.00	134.70	14400



7x7





7x19





PVC/PP/PE COATED STEEL WIRE ROPE

Application: PVC coated steel wire rope can be widely used in automobiles, ship building, construction industry and all the needs of outdoor applications or special working environment. Mainly used in mine hoist cage, meat processing plant, upgrade machinery, ship anchors and fishing operations, fishing vessels trawling, etc.

Construction	Diameter (mm)	Unit Weight (kg/100m)	MBS (kN) 1770N/mm²	MBS (kN) 1960N/mm²
6x19+FC PVC/PP/PE	3.0-4.0	3.91	4.90	5.43
	3.0-5.0	4.93	4.90	5.43
	4.0-5.0	6.56	8.70	9.63
	4.0-6.0	7.82	8.70	9.63
	5.0-6.0	9.90	13.60	15.10
	6.0-8.0	15.64	19.60	21.70
	8.0-10	26.24	34.80	38.50
	10-12	39.60	54.40	60.20
	12-14	55.74	78.30	86.70
7x19 PVC/PP/PE	3.0-4.0	4.23	5.29	5.86
	3.0-5.0	5.25	5.29	5.86
	4.0-5.0	7.12	9.40	10.40
	4.0-6.0	8.38	9.40	10.40
	5.0-6.0	10.78	14.70	16.30
	6.0-8.0	16.90	21.20	23.50
	8.0-10	28.48	37.60	41.60
	10-12	43.10	58.80	65.10
	12-14	60.80	84.60	93.70
6x12+7FC PVC/PP/PE	2.0-3.0	1.57	1.48	1.64
	3.0-4.0	3.06	3.33	3.69
	3.0-5.0	4.08	3.33	3.69
	4.0-5.0	5.04	5.92	6.56
	4.0-6.0	6.29	5.92	6.56
	6.0-8.0	12.22	13.30	-
	8.0-10	20.20	23.70	-

Construction	Diameter (mm)	Unit Weight (kg/100m)	MBS (kN) 1770N/mm²	MBS (kN) 1960N/mm²
6x7+FC PVC/PP/PE	1.5-2.5	1.27	1.32	1.46
	2.0-3.0	2.00	2.35	2.6
	3.0-4.0	4.02	5.29	5.86
	3.0-5.0	5.04	5.29	5.86
	4.0-5.0	6.74	9.41	10.4
	4.0-6.0	8.00	9.41	10.4
	5.0-6.0	10.18	14.7	16.3
	6.0-8.0	16.04	21.1	23.4
	8.0-10	26.95	37.6	41.6
7x7 PVC/PP/PE	1.5-2.5	1.35	1.43	1.58
	2.0-3.0	2.14	2.54	2.81
	3.0-4.0	4.34	5.71	6.32
	3.0-5.0	5.36	5.71	6.32
	4.0-5.0	7.31	10.20	11.30
	4.0-6.0	8.56	10.20	11.30
	5.0-6.0	11.08	15.90	17.60
	6.0-8.0	17.34	22.90	25.40
	8.0-10	29.25	40.60	45.00



6x19+FC



7x19



6x12+7FC



6x7+FC



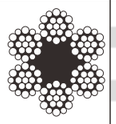
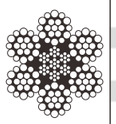
7x7

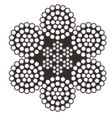


STAINLESS STEEL WIRE ROPE

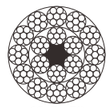
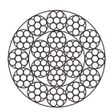
Material: AISI304, AISI316, AISI316L etc.
Standard: DIN, BS, EN etc.

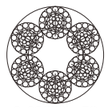
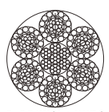
Construction: 6x19, 6x37

Construction	Nominal Diameter	Approx Weight		Nominal Tensile Strength			
				Minimum Breaking Strength (kN)			
				1570N/mm²		1770N/mm²	
	mm	kg/100m					
		FC	IWRC	FC	IWRC	FC	IWRC
 6x19+FC	3	3.11	3.42	-	-	4.9	5.29
	4	5.54	6.09	-	-	8.7	9.4
	5	8.65	9.52	-	-	13.6	14.7
	6	12.5	13.8	-	-	19.6	21.2
	7	17	18.7	-	-	26.7	28.8
	8	22.1	24.3	30.9	33.3	34.8	37.6
	9	28	30.8	39.1	42.2	44.1	47.6
 6x19+IWRC	10	34.6	38.1	48.2	52.1	54.4	58.8
	11	41.9	46.1	58.4	36.1	65.8	71.1
	12	49.8	54.8	69.5	75	78.3	84.6
	13	58.5	64.3	81.5	88.1	91.9	99.3
	14	67.8	74.6	94.6	102	107	115
	16	88.6	97.4	124	133	139	150

Construction	Nominal Diameter	Approx Weight		Nominal Tensile Strength			
				Minimum Breaking Strength (kN)			
				1570N/mm²		1770N/mm²	
	mm	kg/100m					
		FC	IWRC	FC	IWRC	FC	IWRC
 6x37+FC	6	12.5	13.7	-	-	18.8	20.3
	7	17.0	18.6	-	-	25.6	27.6
	8	22.1	24.3	29.6	32.0	33.4	36.1
	9	28.0	30.8	37.5	40.4	42.3	45.7
	10	34.6	38.1	46.3	50.0	52.2	56.4
	11	41.9	46.1	56.0	60.5	63.1	68.2
	12	49.8	54.8	66.6	72.0	75.1	81.2
 6x37+IWRC	13	58.5	64.3	78.2	84.5	88.2	95.2
	14	67.8	74.6	90.7	98.0	102	110
	16	88.6	97.4	118	128	134	144
	18	112	123	150	162	169	183
	20	138	152	185	200	209	225
	22	168	184	224	242	253	273

Construction: 18x7, 6x36

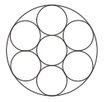
Construction	Nominal Diameter	Approx Weight		Nominal Tensile Strength			
				Minimum Breaking Strength (kN)			
				1570N/mm²		1770N/mm²	
	mm	kg/100m					
		FC	IWRC	FC	IWRC	FC	IWRC
 18x7+FC	4	6.12	6.43	-	-	9.02	9.29
	5	9.57	10	-	-	14.1	14.5
	6	13.8	14.5	-	-	20.3	20.9
	7	18.8	19.7	-	-	27.6	28.5
	8	24.5	25.7	32.0	33.0	36.1	37.2
	9	31	32.6	40.5	41.7	45.7	47
	10	38.3	40.2	50.0	51.5	56.4	58.1
	11	46.3	48.6	60.5	62.3	68.2	70.3
 19x7	12	55.1	57.9	72.0	74.2	81.2	83.6
	13	64.7	67.9	84.5	87.1	95.3	98.1
	14	75	78.8	98.0	101	111	114
	16	98	103	128	132	144	149
	18	124	130	162	167	193	188
	20	153	161	200	206	226	232
	22	185	195	242	249	273	281
	24	220	231	288	297	325	335
	26	259	272	338	348	381	393

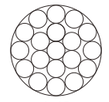
Construction	Nominal Diameter	Approx Weight		Nominal Tensile Strength			
				Minimum Breaking Strength (kN)			
				1570N/mm²		1770N/mm²	
	mm	kg/100m					
		FC	IWRC	FC	IWRC	FC	IWRC
 6x36(WS)+FC	12	54.7	60.2	74.4	80.6	84	89.9
	13	64.3	70.7	87.4	94.6	98.3	106
	14	74.5	82	101	109	114	124
	16	97.3	107	133	143	149	161
	18	123	135	168	181	189	204
	20	152	167	203	223	233	252
	22	184	202	250	270	282	304
	24	219	241	298	321	336	362
 6x36(WS)+IWRC	26	257	283	340	377	394	425
	28	298	328	405	438	457	493
	30	342	376	466	503	525	567
	32	389	428	530	572	598	644
	34	439	483	598	646	675	728
	36	493	542	671	724	766	816
	38	549	604	748	807	-	-
	40	608	669	828	894	-	-
	42	670	737	913	985	-	-
	44	736	810	1000	1080	-	-

STAINLESS STEEL WIRE ROPE

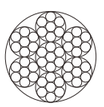
Material: AISI304, AISI316, AISI316L etc.
Standard: DIN, BS, EN etc.

Construction: 1x7 1x19
Usage:chemical, engineering,aviation, machine, instrument.

Construction	Nominal Diameter	Approx Weight	Nominal Tensile Strength	
			Minimum Breaking Strength (kN)	
	mm	kg/100m	1570N/mm²	1770N/mm²
 1x7	0.6	0.18	0.308	0.347
	0.8	0.32	0.547	0.617
	1	0.5	0.855	0.963
	1.5	1.13	1.92	2.17
	2	2.01	3.42	3.85
	2.5	3.14	5.34	6.02
	3	4.52	7.69	6.67
	3.5	6.15	10.5	11.8
	4	8.03	13.7	15.4
	4.5	10.2	17.3	19.5
	5	12.6	21.4	24.1
	6	18.1	30.8	34.7
	7	24.6	41.9	47.2

Construction	Nominal Diameter	Approx Weight	Nominal Tensile Strength	
			Minimum Breaking Strength (kN)	
	mm	kg/100m	1570N/mm²	1770N/mm²
 1x19	1	0.5	0.825	0.93
	1.5	1.11	1.86	2.09
	2	1.98	3.30	3.72
	2.5	3.1	5.15	5.81
	3	4.46	7.42	8.37
	3.5	6.07	10.1	11.4
	4	7.93	13.2	14.9
	5	12.4	20.6	23.2
	6	17.8	29.7	33.5
	7	24.3	40.4	45.6
	8	31.7	52.8	59.5
	9	40.1	66.8	75.3
	10	49.5	82.5	93

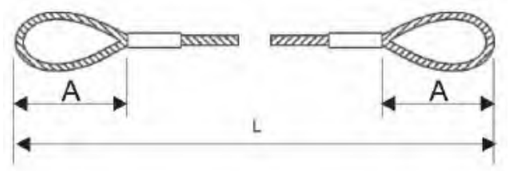
Construction: DIN3055 6x7+FC, 6x7+WSC(7x7)
Usage: Mining, Stay, Logging, Tramway, Marine

Construction	Nominal Diameter	Approx Weight		Nominal Tensile Strength			
				Minimum Breaking Strength (kN)			
	mm	kg/100m		1570N/mm²		1770N/mm²	
		FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS
 6x7+FC	2	1.43	1.57	-	-	2.35	2.54
	3	3.22	3.54	-	-	5.29	5.71
	4	5.72	6.29	-	-	9.41	10.2
	5	8.94	9.83	-	-	14.7	15.9
	6	12.9	14.2	-	-	21.1	22.9
	7	17.5	19.3	-	-	28.8	31.1
	8	22.9	25.2	33.4	36.1	37.6	40.6
	9	28.9	31.8	42.2	45.6	47.6	51.4
	10	35.7	39.3	52.2	56.3	58.8	63.5
	11	43.2	47.5	63.1	68.2	71.1	76.8
 6x7+IWS	12	51.5	56.7	75.1	81.1	84.7	91.5
	13	60.4	66.4	88.1	95.2	99.4	107
	14	70.1	77.1	102	110	115	124
	16	91.5	101	134	144	151	163

It has features of good corrosion, heat and cold resistance in application of various fields such as chemistry, fisher boat, automobile, aircraft, hardware used in family or stores.

PRESS STEEL WIRE ROPE SLINGS

The specification of the wire rope used by the following working load in the table Dia 6mm-60mm use the construction of 6X37(b)-1670; Dia 62mm-120mm use the construction of 8X61(b)-1670; Dia 122mm-190mm use the construction of 8X91(b)-1670.
Different construction of the rope means different working load, we can calculate the working load with the steel wire rope construction that the customer required.
The sling's breaking load is 5 times of its working load.
The pressed type for the rope with dia 90mm is pressed two aluminum ferrule on each end of the sling.



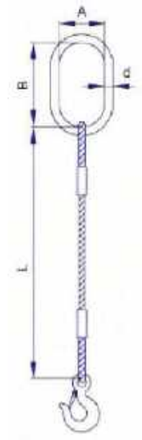


Dia. of Rope	W.L.L (kN)		Appr. Eye Length
(mm)	FC	IWRC	A (mm)
6	3.2	3.4	180
7	4.3	4.7	190
8	5.7	6.1	210
9	7.2	7.8	230
10	8.9	9.6	230
11	11	12	250
12	13	14	260
13	15	16	260
14	17	19	280
16	23	24	320
18	29	31	360
20	35	38	400
22	43	46	440
24	51	55	480
26	60	65	520
28	69	75	560
30	80	86	600
32	91	98	640
34	102	110	680
36	115	124	720
38	128	138	760
40	142	153	800
42	157	169	840
44	172	185	880
46	187	203	920
48	203	220	960
50	221	240	1000
52	239	259	1040
54	258	279	1080
56	277	301	1120
58	298	322	1160
60	319	345	1200
62	290	343	1240
64	309	365	1280
66	329	389	1320
68	349	413	1360
70	370	437	1400
72	391	463	1440
74	413	489	1480
76	436	516	1520
78	459	543	1560
80	483	571	1600
82	507	600	1640
84	532	630	1680
86	558	660	1720
88	584	691	1760
90	611	723	1800
92	639	756	1840

Dia. of Rope	W.L.L (kN)		Appr. Eye Length
(mm)	FC	IWRC	A (mm)
94	667	789	1880
96	695	823	1920
98	725	857	1960
100	755	893	2000
102	785	929	2040
104	816	966	2080
106	848	1003	2120
108	880	1041	2160
110	913	1080	2200
112	946	1120	2240
114	981	1160	2280
116	1015	1201	2320
118	1051	1243	2360
120	1086	1286	2400
122	1207	1503	2440
124	1247	1553	2480
126	1288	1603	2520
128	1330	1654	2560
130	1371	1706	2600
132	1414	1760	2640
134	1458	1818	2680
136	1501	1872	2720
138	1546	1926	2760
140	1591	1980	2800
142	1636	2034	2840
144	1683	2088	2880
146	1729	2160	2920
148	1778	2214	2960
150	1818	2268	3000
152	1872	2340	3040
154	1926	2394	3080
156	1980	2466	3120
158	2034	2520	3160
160	2070	2592	3200
162	2124	2646	3240
164	2178	2718	3280
166	2232	2790	3320
168	2286	2844	3360
170	2340	2916	3400
172	2394	2988	3440
174	2466	3060	3480
176	2520	3132	3520
178	2574	3204	3560
180	2628	3276	3600
182	2682	3348	3640
184	2754	3420	3680
186	2808	3492	3720
188	2862	3564	3760
190	2934	3654	3800

SINGLE LEG PRESSED STEEL WIRE ROPE SLINGS

The specification of the steel wire rope in the form with the working load is :6X37+FC-1670;
Different construction rope with different working load, we can calculate the working load of the steel wire rope construction that the customer required.



Dia. of Rope	W.L.L (kN)	Master Link	Hook	
(mm)	(kN)	AxBxd (mm)	Type	W.L.L (t)
6	3.2	65*130*16	(US)S6	0.75
7	4.3	65*130*16	(US)S6	0.75
8	5.7	65*130*16	(US)S6	0.75
9	7.2	65*130*16	(US)S6	0.75
10	8.9	65*130*16	(US)S6	1
11	11	65*130*16	(US)S6	1.5
12	13	65*130*16	(US)S6	1.5
13	15	65*130*16	(US)S6	1.5
14	17	65*130*16	(US)S6	2
16	23	80*150*20	(US)S6	3
18	29	80*150*20	(US)S6	3
20	35	90*160*24	(US)S6	5
22	43	90*160*24	(US)S6	5
24	51	90*160*24	(US)S6	7.5
26	60	100*190*28	(US)S6	7.5
28	69	100*190*28	(US)S6	7.5
30	80	100*190*28	(US)S6	10
32	91	110*200*32	(US)S6	10
34	102	110*200*32	(EYE)	15
36	115	120*230*34	(EYE)	15
38	128	135*250*38	(EYE)	15
40	142	135*250*38	(EYE)	15
42	157	140*270*42	(EYE)	37
44	172	140*270*42	(EYE)	37
46	187	140*270*42	(EYE)	37
48	203	140*270*42	(EYE)	37
50	221	160*310*46	(EYE)	37
52	239	160*130*46	(EYE)	37
54	258	180*330*52	(EYE)	37
56	277	180*330*52	(EYE)	37
58	298	180*330*52	(EYE)	37
60	319	180*330*52	(EYE)	37

DOUBLE LEGS PRESSED STEEL WIRE ROPE SLINGS

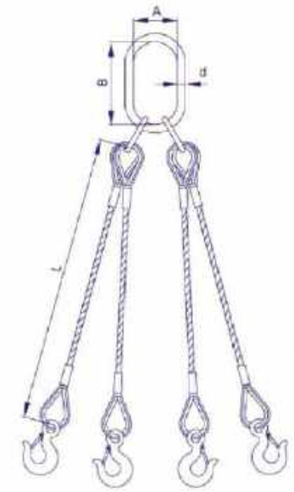
The specification of the steel wire rope in the form with the working load is:6X37+FC-1670;
The 0°-90° can be used if the customers do not have any special requirement;
Different construction rope with different working load, we can calculate the working load of the steel wire rope construction that the customer required.



Dia. of Rope	W.L.L (kN)		Master Link	Hook	
	0°-90°	90°-120°	AxBxd (mm)	Type	W.L.L (t)
6	4.5	3.2	65*130*16	(US)S6	0.75
7	6.1	4.3	65*130*16	(US)S6	0.75
8	7.9	5.7	65*130*16	(US)S6	0.75
9	10	7.2	65*130*16	(US)S6	0.75
10	12	8.9	65*130*16	(US)S6	1
11	15	11	65*130*16	(US)S6	1.5
12	18	13	65*130*16	(US)S6	1.5
13	21	15	65*130*16	(US)S6	1.5
14	24	17	80*150*20	(US)S6	2
16	32	23	80*150*20	(US)S6	3
18	45	29	90*160*24	(US)S6	3
20	50	35	90*160*24	(US)S6	5
22	60	43	100*190*28	(US)S6	5
24	71	51	100*190*28	(US)S6	7.5
26	84	60	110*200*32	(US)S6	7.5
28	97	69	110*200*32	(US)S6	7.5
30	112	80	135*250*38	(US)S6	10
32	127	91	135*250*38	(US)S6	10
34	143	102	135*250*38	(US)S6	15
36	161	115	135*250*38	(EYE)	15
38	179	128	140*270*42	(EYE)	15
40	199	142	140*270*42	(EYE)	15
42	220	157	160*310*46	(EYE)	37
44	240	172	160*130*46	(EYE)	37
46	262	187	180*330*52	(EYE)	37
48	285	203	180*330*52	(EYE)	37
50	309	221	180*330*56	(EYE)	37
52	335	239	180*330*56	(EYE)	37
54	361	258	180*330*56	(EYE)	37
56	388	277	180*330*56	(EYE)	37
58	417	298	210*410*62	(EYE)	37
60	446	319	510*410*62	(EYE)	37

FOUR LEGS PRESSED STEEL WIRE ROPE SLINGS

Construction of steel wire rope: 6X37+FC-1670;
ACCORDING TO THE GB/T16271-1996 STANDARD.

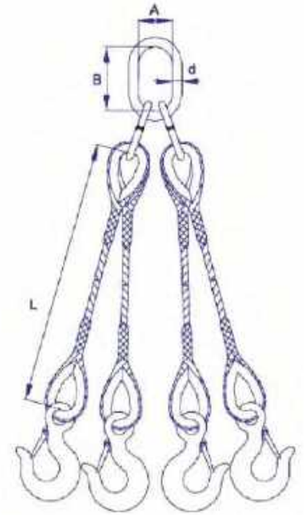


Dia. of Rope	W.L.L (kN)		Master Link	Hook	
(mm)	0°-45°	45°-60°	AxBxd (mm)	Type	W.L.L (t)
6	6.7	4.8	65*130*16	(US)S6	0.75
7	9.1	6.5	65*130*16	(US)S6	0.75
8	12	8.5	65*130*16	(US)S6	0.75
9	15	11	65*130*16	(US)S6	0.75
10	19	13	65*130*16	(US)S6	1
11	23	16	80*150*20	(US)S6	1.5
12	27	19	80*150*20	(US)S6	1.5
13	31	22	80*150*20	(US)S6	1.5
14	36	26	90*160*24	(US)S6	2
16	48	34	90*160*24	(US)S6	3
18	60	43	100*190*28	(US)S6	3
20	74	53	100*190*28	(US)S6	5
22	90	64	110*200*32	(US)S6	5
24	107	76	120*230*34	(US)S6	7.5
26	126	90	135*250*38	(US)S6	7.5
28	146	104	135*250*38	(US)S6	7.5
30	168	120	140*270*42	(US)S6	10
32	191	136	140*270*42	(US)S6	10
34	214	153	160*310*46	(US)S6	15
36	241	172	160*130*46	(EYE)	15
38	269	192	180*330*52	(EYE)	15
40	298	213	180*330*52	(EYE)	15
42	330	235	180*330*56	(EYE)	37
44	360	257	180*330*56	(EYE)	37
46	393	280	180*330*56	(EYE)	37
48	427	305	210*410*62	(EYE)	37
50	464	331	510*410*62	(EYE)	37
52	503	359	510*410*62	(EYE)	37
54	542	387	240*410*68	(EYE)	37
56	582	416	210*410*68	(EYE)	37
58	626	447	240*410*76	(EYE)	37
60	669	478	240*410*76	(EYE)	37

FOUR LEGS SPLICED WIRE ROPE SLING

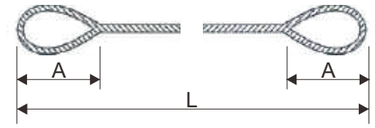
Dia. of Rope	W.L.L (kN)		Master Link	Hook	
(mm)	0°-45°	45°-60°	AxBxd (mm)	Type	W.L.L (t)
6	5.6	4.0	65*130*16	(US)S6	0.75
7	7.6	5.4	65*130*16	(US)S6	0.75
8	9.9	7.1	65*130*16	(US)S6	0.75
9	12.6	9	65*130*16	(US)S6	0.75
10	15	11	65*130*16	(US)S6	1
11	19	13	80*150*20	(US)S6	1.5
12	22	16	80*150*20	(US)S6	1.5
13	26	19	80*150*20	(US)S6	1.5
14	30	22	90*160*24	(US)S6	2
16	40	28	90*160*24	(US)S6	3
18	50	36	100*190*28	(US)S6	3
20	62	44	100*190*28	(US)S6	5
22	75	54	110*200*32	(US)S6	5
24	89	64	120*230*34	(US)S6	7.5
26	105	75	135*250*38	(US)S6	7.5
28	122	87	135*250*38	(US)S6	7.5
30	138	99	140*270*42	(US)S6	10
32	159	113	140*270*42	(US)S6	10
34	178	127	160*310*46	(US)S6	15
36	201	144	160*130*46	(EYE)	15
38	224	159	180*330*52	(EYE)	15
40	248	177	180*330*52	(EYE)	15
42	273	195	180*330*56	(EYE)	37
44	300	214	180*330*56	(EYE)	37
46	327	234	180*330*56	(EYE)	37
48	356	254	210*410*62	(EYE)	37
50	388	277	510*410*62	(EYE)	37
52	419	299	510*410*62	(EYE)	37
54	451	322	240*410*68	(EYE)	37
56	485	347	210*410*68	(EYE)	37
58	521	372	240*410*76	(EYE)	37
60	558	398	240*410*76	(EYE)	37

Construction of steel wire rope: 6X37+FC-1670;
ACCORDING TO THE GB/T16271-1996 STANDARD.



SPLICED WIRE ROPE SLINGS

This form with the working load use the steel wire rope: 6x37+FC-1670, 8x61+FC-1670;
Different construction of the rope means different working load, we can calculate the working load with the
steel wire rope construction that the customer required;
The slings breaking load is 5 times of its working load;
According to the GB/T16271-1996 standard.



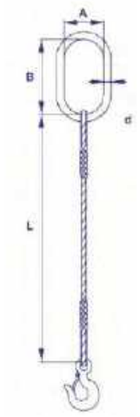
Dia. of Rope	W.L.L (kN)		Appr. Eye Length
(mm)	FC	IWRC	A (mm)
6	2.7	2.9	180
7	3.6	3.9	190
8	4.7	5.1	210
9	6	6.5	230
10	7.4	8	230
11	8.9	9.7	250
12	11	11.5	260
13	12	14	260
14	14	16	280
16	19	20	320
18	24	26	360
20	30	32	400
22	36	39	440
24	42	46	480
26	50	54	520
28	58	63	560
30	66	72	600
32	76	82	640
34	85	92	680
36	96	104	720
38	106	115	760
40	118	128	800
42	130	141	840
44	143	155	880
46	156	169	920
48	170	183	960
50	185	200	1000
52	200	216	1040
54	215	233	1080
56	231	251	1120
58	248	269	1160
60	266	287	1200
62	241	286	1240
64	257	304	1280
66	274	324	1320
68	291	344	1360
70	308	365	1400
72	326	386	1440
74	344	407	1480
76	363	430	1520
78	383	453	1560
80	402	476	1600
82	423	500	1640
84	444	525	1680
86	465	550	1720
88	487	576	1760
90	509	603	1800
92	532	630	1840



Dia. of Rope	W.L.L (kN)		Appr. Eye Length
(mm)	FC	IWRC	A (mm)
94	556	657	1880
96	579	686	1920
98	604	714	1960
100	629	744	2000
102	654	774	2040
104	680	805	2080
106	707	836	2120
108	733	868	2160
110	761	900	2200
112	789	933	2240
114	817	967	2280
116	846	1001	2320
118	876	1036	2360
120	905	1071	2400
122	1006	1252	2440
124	1039	1294	2480
126	1074	1336	2520
128	1108	1378	2560
130	1143	1422	2600
132	1179	1467	2640
134	1215	1515	2680
136	1251	1560	2720
138	1288	1605	2760
140	1326	1650	2800
142	1363	1695	2840
144	1402	1740	2880
146	1441	1800	2920
148	1482	1845	2960
150	1515	1890	3000
152	1560	1950	3040
154	1605	1995	3080
156	1650	2055	3120
158	1695	2100	3160
160	1725	2160	3200
162	1770	2205	3240
164	1815	2265	3280
166	1860	2325	3320
168	1905	2370	3360
170	1950	2430	3400
172	1995	2490	3440
174	2055	2550	3480
176	2100	2610	3520
178	2145	2670	3560
180	2190	2730	3600
182	2235	2790	3640
184	2295	2850	3680
186	2340	2910	3720
188	2385	2970	3760
190	2445	3045	3800

SINGLE LEG SPLICED WIRE ROPE SLING

This form with the working load use the steel wire rope : 6x37+FC-1670.
Different construction of the rope means different working load, we can calculate the working load with the steel wire rope construction that the customer required.
The slings breaking load is 5 times than its working load.

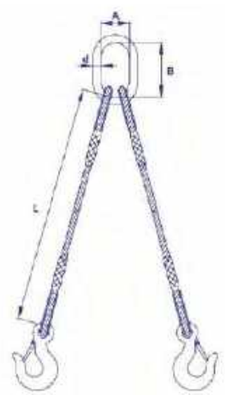


Dia. of Rope (mm)	W.L.L (kN)	Master Link AxBxd (mm)	Hook Type	Hook W.L.L (t)
6	2.7	65*130*16	(US)S6	0.75
7	3.6	65*130*16	(US)S6	0.75
8	4.7	65*130*16	(US)S6	0.75
9	6	65*130*16	(US)S6	0.75
10	7.4	65*130*16	(US)S6	1
11	8.9	65*130*16	(US)S6	1.5
12	11	65*130*16	(US)S6	1.5
13	12	65*130*16	(US)S6	1.5
14	14	65*130*16	(US)S6	2
16	19	80*150*20	(US)S6	3
18	24	80*150*20	(US)S6	3
20	30	90*160*24	(US)S6	5
22	36	90*160*24	(US)S6	5
24	42	90*160*24	(US)S6	7.5
26	50	100*190*28	(US)S6	7.5
28	58	100*190*28	(US)S6	7.5
30	66	100*190*28	(US)S6	10
32	76	110*200*32	(US)S6	10
34	85	110*200*32	(EYE)	15
36	96	120*230*34	(EYE)	15
38	106	135*250*38	(EYE)	15
40	118	135*250*38	(EYE)	15
42	130	140*270*42	(EYE)	37
44	143	140*270*42	(EYE)	37
46	156	140*270*42	(EYE)	37
48	170	140*270*42	(EYE)	37
50	185	160*310*46	(EYE)	37
52	200	160*130*46	(EYE)	37
54	215	180*330*52	(EYE)	37
56	231	180*330*52	(EYE)	37
58	248	180*330*52	(EYE)	37
60	266	180*330*52	(EYE)	37

TWO LEGS SPLICED WIRE ROPE SLING

Dia. of Rope	W.L.L (kN) 0°-90°	W.L.L (kN) 90°-120°	Master Link AxBxd (mm)	Hook Type	Hook W.L.L (t)
6	3.7	2.7	65*130*16	(US)S6	0.75
7	5	3.6	65*130*16	(US)S6	0.75
8	6.6	4.7	65*130*16	(US)S6	0.75
9	8.4	6	65*130*16	(US)S6	0.75
10	10.4	7.4	65*130*16	(US)S6	1
11	13	8.9	65*130*16	(US)S6	1.5
12	15	11	65*130*16	(US)S6	1.5
13	17	12	65*130*16	(US)S6	1.5
14	20	14	80*150*20	(US)S6	2
16	26	19	80*150*20	(US)S6	3
18	33	24	90*160*24	(US)S6	3
20	41	30	90*160*24	(US)S6	5
22	50	36	100*190*28	(US)S6	5
24	59	42	100*190*28	(US)S6	7.5
26	70	50	110*200*32	(US)S6	7.5
28	81	58	110*200*32	(US)S6	7.5
30	92	66	135*250*38	(US)S6	10
32	106	76	135*250*38	(US)S6	10
34	119	85	135*250*38	(US)S6	15
36	134	96	135*250*38	(EYE)	15
38	148	106	140*270*42	(EYE)	15
40	165	118	140*270*42	(EYE)	15
42	182	130	160*310*46	(EYE)	37
44	200	143	160*130*46	(EYE)	37
46	218	156	180*330*52	(EYE)	37
48	237	170	180*330*52	(EYE)	37
50	259	185	180*330*56	(EYE)	37
52	279	200	180*330*56	(EYE)	37
54	301	215	180*330*56	(EYE)	37
56	323	231	180*330*56	(EYE)	37
58	347	248	210*410*62	(EYE)	37
60	372	266	510*410*62	(EYE)	37

This form with the working load use the steel wire rope : 6x37+FC-1670;
This form with two status working load, the 0°-90° can be used if the customers has not any special requirement;
Different construction of the rope means different working load, we can calculate the working load with the steel wire rope construction that the customer require.



100T -2000T HYDRAULIC PRESSING MACHINE





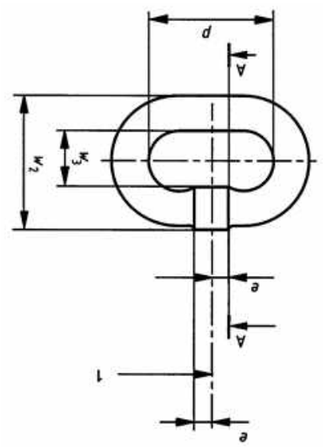
MODEL	TCSH-PM100	TCSH-PM200	TCSH-PM300	TCSH-PM350	TCSH-PM500
SPECIFICATION	100T	200T	300T(320T)	350T	500T
MAX.FORCE(KN)	1000	2000	3200	3500	5000
MAX.WORKING PRESSURE(MPA)	28	56	28	56	28
MAX.DIAMETER IN ONE PRESSING(MM)	12	20	26	28	32
MAX.DIAMETER IN MULTI-PRESSING(MM)	14	25	32	34	42
MAX.PISTON MOVEMENT(MM)	50	100	130	100	150
PISTON WORKING MOVEMENT(MM)	30	80	100	80	130
THE UP SPEED OF PISTON(MM/S)	1.8	8	4.8	5	4.5
THE DOWN SPEED OF PISTON(MM)	3.2	10	8.8	8	7.9
MOTOR POWER(KW)	2.2	2.2	4	3	5.5
NET WEIGHT（KG）	400	900	1500	1000	2700
OVERALL DIMENSION(MM)	1130x520x900	1200x600x1400	1400x600x1600	1200x600x1400	1550x650x1700

MODEL	TCSH-PM650	TCSH-PM800	TCSH-PM1000	TCSH-PM1500	TCSH-PM2000
SPECIFICATION	650T	800T	1000T	1500T	2000T
MAX.FORCE(KN)	6500	8000	10000	15000	20000
MAX.WORKING PRESSURE(MPA)	28	28	56	56	56
MAX.DIAMETER IN ONE PRESSING(MM)	36	42	46	54	64
MAX.DIAMETER IN MULTI-PRESSING(MM)	44	50	56	64	74
MAX.PISTON MOVEMENT(MM)	150	190	200	220	230
PISTON WORKING MOVEMENT(MM)	130	170	180	200	210
THE UP SPEED OF PISTON(MM/S)	4.4	3.6	4.5	4.5	3.6
THE DOWN SPEED OF PISTON(MM)	7.8	7.6	7.8	7.8	7.8
MOTOR POWER(KW)	7.5	7.5	5.5+4	7.5+4	11+4
NET WEIGHT（KG）	3500	4600	7000	9000	13500
OVERALL DIMENSION(MM)	1600x680x1880	1800x800x2100	2000x800x2100	2200x900x2180	2500x1200x2200

EN818-2 Medium tolerance chain for chain slings

- Material: Alloy steel
- Surface treatment options:
  self-color, black tempered, painted, galvanized, etc.
- Specification: EN818-2
- Chinese material and European material optional
- Quality: G80, G100 available





Norminal mm	Material Diameter Tolerance	Weld Diameter mm	Pitch			Internal width away from weld W1 min.	External width over the weld W2 max.	Working load limit WLL (t)	Manufacturing proof force MPF(kN)	Breaking force BF(kN) min.	Bend deflection f (mm) min.	Weight kg/m
			Pn	P	P min							
4	+/-0.16	4.4	12	12.4	11.6	5.2	14.8	0.5	12.6	20.1	3.2	0.35
5	+/-0.20	5.5	15	15.5	14.6	6.5	18.5	0.8	19.6	31.4	7	0.5
6	+/-0.24	6.6	18	18.5	17.5	7.8	22.2	1.12	28.3	45.2	4.8	0.8
7	+/-0.28	7.7	21	21.6	20.4	9.1	25.9	1.5	38.5	61.6	5.6	1.1
8	+/-0.32	8.8	24	24.7	23.3	10.4	29.6	2	50.3	80.4	6.4	1.4
10	+/-0.40	11	30	30.9	29.1	13	37	3.15	78.5	126	8	2.2
13	+/-0.52	14.3	39	40.2	37.8	16.9	48.1	5.3	133	212	10	3.8
16	+/-0.64	17.6	48	49.4	46.5	20.8	59.2	8	201	322	13	5.7
18	+/-0.90	19.8	54	55.6	52.4	23.4	66.6	10	254	407	14	7.3
19	+/-1	20.9	57	58.7	55.3	24.7	70.3	11.2	284	454	15	8.1
20	+/-1	22	60	61.8	58.2	26	74	12.5	314	503	16	9
22	+/-1.1	24.2	66	68	64	28.6	81.4	15	380	608	18	10.9
23	+/-1.2	25.3	69	71.1	66.9	29.9	85.1	16	415	665	19	12
25	+/-1.3	27.5	75	77.3	72.8	32.5	92.5	20	491	785	20	14.1
26	+/-1.3	28.6	78	80.3	75.7	33.8	96.2	21.2	531	849	21	15.2
28	+/-1.4	30.8	84	86.5	81.5	36.4	104	25	616	985	22	17.6
32	+/-1.6	35.2	96	98.9	93.1	41.6	118	31.5	804	1290	26	23
36	+/-1.8	39.6	108	111	105	46.8	133	40	1020	1630	29	29
40	+/-2	44	120	124	116	52	148	50	1260	2010	32	36
45	+/-2.3	49.5	135	139	131	58.5	167	63	1590	2540	36	45.5

CHAIN INSPECTION AND MAINTENANCE

- Inspect chain before each use. Between regular inspections visually check on a daily basis the following:
- Clean chain before inspection using a non-caustic/non-acid solvent
- Lubrication of the chain may be necessary if it binds up or is noisy
- Chain feeds smoothly into and from the hoist and does not emit cracking noise when hoisting a load.
- Visually examine link by link for any nicks, gouges, weld splatter, corrosion or distorted links, pay close attention to chain's contact points, which may show excessive wear.
- Test hoist with load and observe operation of chain over load sheaves It must remember to add lubricating oil to the lifting chain in time when in use. Lubricating oil must enter the clearance between the roller and inner sleeve to improve working conditions to reduce wear.

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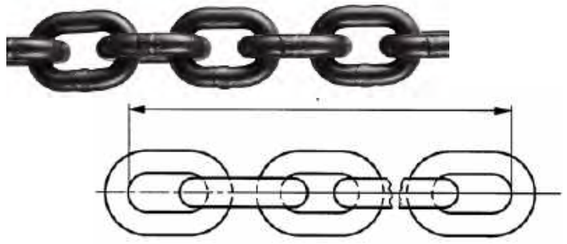
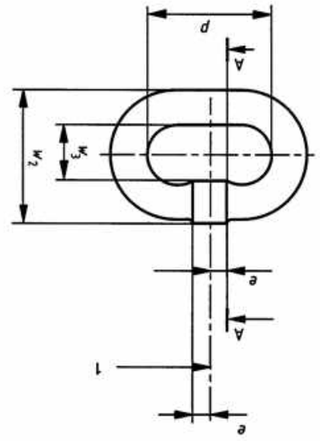
EN818-7 Fine tolerance chain for hoist

- Material: Alloy steel
- Surface treatment options:
  self-color, black tempered, painted, galvanized, etc.
- Specification: EN818-7
- Chinese material and European material optional
- Quality: G80, G100 available





Norminal mm	Material Diameter Tolerance	Weld Diameter mm	Pitch		Internal width W1 min mm	External width W2 max. mm	Gauge length of		Working load limit WLL			Manufacturing proof force MPF kN	Breaking force BF min. kN	Weight kg/m
			Pn	tolerance			11xPn	Tolerance	T	DAT	DT			
4	+/-0.2	4.3	12	0.25	4.8	13.6	132	0.6	0.5	0.4	0.25	12.6	20.1	0.35
5	+/-0.2	5.4	15	0.30	6.0	17.0	165	0.8	0.8	0.63	0.4	19.6	31.4	0.5
6	+/-0.2	6.5	18	0.35	7.2	20.4	198	1.0	1.1	0.9	0.56	28.3	45.2	0.8
7	+/-0.3	7.6	21	0.40	8.4	23.8	231	1.1	1.5	1.2	0.75	38.5	61.6	1.1
8	+/-0.3	8.6	24	0.50	9.6	27.2	264	1.3	2	1.6	1	50.3	80.4	1.4
9	+/-0.4	9.7	27	0.50	10.8	30.6	297	1.4	2.5	2	1.25	63.6	102	1.75
10	+/-0.4	10.8	30	0.60	12.0	34.0	330	1.6	3.2	2.5	1.6	78.5	126	2.2
11	+/-0.4	11.9	33	0.60	13.2	37.4	363	1.7	3.8	3	1.9	95	152	2.33
12	+/-0.5	13	36	0.70	14.4	40.8	396	1.9	4.5	3.6	2.2	113	181	3.1
13	+/-0.5	14	39	0.80	15.6	44.2	429	2.1	5.3	4.2	2.6	133	212	3.8
14	+/-0.6	15.1	42	0.80	16.8	47.6	462	2.2	6	5	3	154	246	4.13
16	+/-0.6	17.3	48	0.90	19.2	54.4	528	2.5	8	6.3	4	201	322	5.7
18	+/-0.9	19.4	54	1.0	21.6	61.2	594	2.9	10	8	5	254	407	7.3
20	+/-1.0	21.6	60	1.2	24	68	660	3.2	12.5	10	6.3	314	503	9
22	+/-1.1	23.8	66	1.3	26.4	74.8	726	3.5	15	12.5	7.5	380	608	10.9

CHAIN SCRAPPED JUDGEMENT

- 1. Wear value of chain sling allowed shall not be more than 10% of diameter of round steel bar or thickness of assistive devices;
- 2. From the non-bending plane of main link, if twisted more than 10 degrees should be discarded;
- 3. Any part of the chain sling that cracks, bends or distorts, geting stuck between ring hinges or having phenomena of rigid and astringent resistance cann't be eliminated,it is prohibited to use.
- 4. The permanent elongation of chain and single link shall not exceed 5% of the original.

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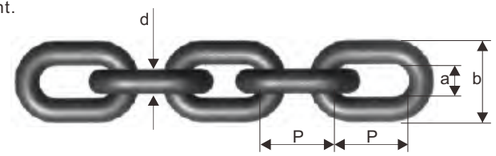
LASHING CHAIN

- Material: high quality alloy steel
- Surface treatment: self-color, polishing, blackened, painted, plastic coating, electric galvanized etc.
- Manufacture standard: ISO, EN, DIN, BS, JIS, ASTM
- Quality grade: G70, G80, G100
- Safety factor: Min.4
- Product marking: required by client.



Size mm	Width(mm) Inside min. a	outside max. b	Min. Breaking Load KN G70	G80	G100	Weight kg/m
6x35	7.5	22	39.5	45.2	56.5	0.66
6.3x18.8	8.2	22.4	43	50	62	0.79
7.3x23.8	11.3	26.95	58	63	83	1.145
8x23.85	11.65	28.35	70	80.4	100	1.374
9x57	15	34	89	100	127	1.421
10x29.8	14	35	109	125	157	2.144
10x65	18	42	109	125	157	1.75
13x38	17.1	45	185	214	165	3.693
13x82	23.4	54.6	185	214	165	2.95
16x100	28.8	67.2	281	320	400	4.45

TRANSPORT CHAIN-GENERAL

Grade B

Size mm	Width mm) Inside min. a	Outside max. b	Curce Radius mm	Testing Load KN	Elongation at test load max. %	Min. Breaking Load KN	Elongation at breaking load min. %	Weight kg/m
10x40	12	34	15	85	1.4	110	12	1.9
14x50	17	48	22	150	1.4	190	12	4
18x64	21	60	28	260	1.4	320	12	6.6
19x64.5	22	63	28.5	290	1.4	360	12	7.8
22x86	26	74	34	380	1.4	480	12	9.5
24x86	28	79	37	460	1.4	570	12	11.6
24x87.5	28	79	37	460	1.4	570	12	11.5
26x92	30	86	40	540	1.4	670	12	13.7
30x109	34	98	46	710	1.4	890	12	18

Grade C

Size mm	Width (mm) Inside min. a	Outside max. b	Curce Radius mm	Testing Load KN	Elongation at test load max. %	Min. Breaking Load KN	Elongation at breaking load min. %	Weight kg/m
10x40	12	34	15	100	1.6	130	12	1.9
14x50	17	48	22	200	1.6	250	12	4
18x64	21	60	28	330	1.6	410	12	6.6
19x64.5	22	63	28.5	360	1.6	450	12	7.8
22x86	26	74	34	490	1.6	610	12	9.5
24x86	28	79	37	580	1.6	720	12	11.6
24x87.5	28	79	37	580	1.6	720	12	11.5
26x92	30	86	40	680	1.6	850	12	13.7
30x109	34	98	46	900	1.6	1130	12	18

TOW CHAIN

Chain Size mm	Length m	Lashing Capacity kg	Weight kg
8	3.5	4000	5.71
10	3.5	6250	9.43
13	3.5	10600	15.83





GOLDEN GALVANIZED CHAIN SLING (G80/G70/G43)

with bend hook on one end



Chain size& Length	W.L.L. (lbs) G80/G70/G43	M.B.S. (lbs) G80/G70/G43	Unit Weight (kg)
7.1mm x 9'	3300/3150/2600	13200/12600/7800	3.38
8.0mm x 9'	4700/4400/3900	18800/17600/11600	4.05
10mm x 9'	6600/5400/3720	26400/16200/14880	6.50

Different length is available depending order`s request.

BLACK-TEMPERED BINDER CHAIN (G80/G43)

with eye or clevis grab hooks on both ends

Chain size& Length	W.L.L. (lbs) G80/G43	M.B.S. (lbs) G80/G43	Unit Weight (kg)
10mm x 20'	6600/3720	26400/14880	14.10
13mm x 20'	11900/6280	47600/25120	23.10
16mm x 20'	17600/9500	70000/38000	36.20

Different length is available depending order`s request.



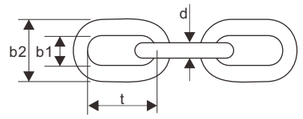
GOLDEN GALVANIZED BINDER CHAIN (G80/G70/G43)

with eye/clevis grab hooks on both ends



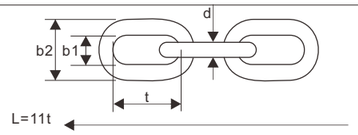
Chain size& Length	W.L.L. (lbs) G80/G70/G43	M.B.S. (lbs) G80/G70/G43	Unit Weight (kg)	Qty/drum (pcs)
1/4 x 14'	3300/3150/2600	13200/12600/7800	4.0	50
5/16 x 14'	4700/4400/3900	18800/17600/11600	6.0	40
3/8 x 14'	6600/5400/3720	26400/16200/14880	10.3	25

DIN764 LINK CHAIN



Size (d)		Inside Length(t)		Inside Width	Outside Width	Weight
mm	±mm	mm	±mm	(b1) mm	(b2) mm	kg/m
4	0.2	16	0.3 0.2	5	14	0.313
5	0.2	18	0.4 0.2	7	18.2	0.514
6	0.2	21	0.5 0.2	8	21.5	0.74
8	0.2	28	0.5 0.3	11	29	1.315
10	0.3	35	0.6 0.3	14	36	2
12	0.3	42	0.6 0.3	16	41	2.98
13	0.4	45	0.7 0.4	18	47	3.5
14	0.45	49	0.75 0.45	20	48	4.06
16	0.5	56	0.9 0.5	22	58	5.2
18	0.8	63	1 0.5	24	65	6.5
20	1	70	1.1 0.6	27	72	8.2
23	1.2	80	1.3 0.7	31	83	11
26	1.3	91	1.5 0.8	35	94	14
28	1.4	98	1.6 0.9	36	101	16.5
30	1.5	105	1.7 0.9	39	108	19
33	1.7	115	1.9 1	43	119	22.5

DIN766 LINK CHAIN

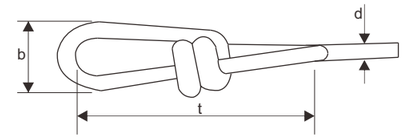


Size (d)		Inside Length(t)		Inside Width	Outside Width	Weight
mm	±mm	mm	±mm	(b1) mm	(b2)mm	kg/m
2	0.2	12	0.2 0.2	3.5	7.5	0.07
3	0.2	16	0.2 0.2	4.2	11	0.16
4	0.2	16	0.3 0.2	5	13.7	0.32
5	0.2	18.5	0.4 0.2	6	17	0.5
6	0.2	18.5	0.4 0.2	7.2	20.2	0.8
7	0.3	22	0.4 0.2	8.4	23.8	1.1
8	0.3	24	0.4 0.2	9.6	27.2	1.4
9	0.4	27	0.5 0.3	10.8	30.6	1.8
10	0.4	28	0.5 0.3	12	34	2.2
11	0.4	31	0.5 0.3	13.2	37.4	2.7
12	0.3	36	0.6 0.3	14.4	40.8	3.1
13	0.5	36	0.6 0.3	15.6	44.2	3.8
14	0.6	41	0.7 0.4	16.8	47.6	4.4
16	0.6	45	0.8 0.4	19.2	54.4	5.7
18	0.9	50	0.8 0.4	21.6	61.2	7.3
19	0.4	53	0.9 0.4	22.8	64.6	7.97
20	1.0	56	1 0.5	24	68	9
22	1.2	62	1.1 0.5	26.4	75	11
23	1.2	64	1.1 0.5	27.6	78.2	12
26	1.3	73	1.2 0.6	31.2	88.4	15
28	1.4	78	1.3 0.65	33.8	95.2	18
30	1.5	84	1.4 0.7	41	102	19.5
32	1.6	90	1.5 0.75	43	108.8	23

WELDLESS CHAIN

■ USA STANDARD DOUBLE

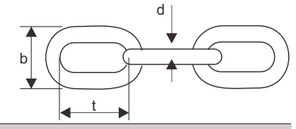
5	1.6	23.4	7.0	1.8
4	1.8	24.4	8.0	2.2
4L	1.8	30.5	8.0	1.96
3	2.0	28	9.0	3.0
3Z	2.0	36.3	9.0	2.6
3L	2.0	38	10.5	2.6
2	2.3	34	10.0	3.5
1	2.7	39.5	12.0	4.5
1Z	2.7	49	13.5	4.2
1L	2.7	52	12.0	4.2
1/0	3.0	45.5	14.0	5.7
1/0L	3.0	56	14.0	5.2
2/0	3.4	46.5	15.5	7.5
2/0Z	3.4	53	15.5	7.0
2/0L	3.4	57	15.5	7.0
3/0	3.8	55.5	17.0	9.4
4/0	4.1	56	19.0	11.0
6/0	4.9	74	21.0	15.7



■DIN5686 KNOTTED CHAIN

Item	Diameter	Inside length	Outside Width	Weight
	(d) mm	(t) mm	(b) mm	kg/100ft
14	1.4	21	6.5	4.2
16	1.6	23	7.0	6.0
20	1.8	26	8.0	7.3
22	2.0	28	9.0	9.0
25	2.2	31	10.0	11.0
27	2.5	35	11.0	14.0
30	2.8	39	12.5	17.0
32	3.1	41	14.0	21.0
35	3.4	44	15.0	26.0
40	3.8	46	17.0	34.0
45	4.2	50	19.0	41.0
50	4.6	55	20.5	50.0
55	5.0	60	22.5	57.0

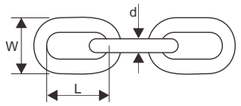
DIN5685A/DIN5685C SHORT/LONG LINK CHAIN



Size (d) mm	Outside Width(b) mm	Inside Length(t) mm	Approx. Weight kg/m
2	8	12 22	0.07 0.06
2.5	10	14 24	0.11 0.10
3	12	16 26	0.165 0.150
3.5	14	18 28	0.225 0.20
4	16	19 32	0.3 0.27
4.5	18	20 34	0.395 0.35
5	20	21 35	0.5 0.43
5.5	22	23 38.5	0.605 0.52
6	24	24 42	0.73 0.63
6.5	26	26 45.5	0.86 0.74
7	28	28 49	1.0 0.86
8	32	32 52	1.3 1.1
9	36	36 59	1.65 1.41
10	40	40 65	2.05 1.75
11	44	44 72	2.5 2.11
12	48	48 78	2.9 2.55
13	52	52 82	3.45 2.95

ORDINARY MILD STEEL SHORT LINK CHAIN

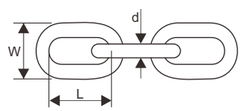




Size (D) IN.	Size (D) mm	Inside Length(L) mm	Outside Width(W) mm	Approx. Weight Bright kg/m	Approx. Weight H.D.G. kg/m
1/8	3.2	16	12	0.187	0.194
5/32	4	18.5	14.5	0.305	0.312
3/16	4.7	19	17	0.430	0.443
7/32	5.5	20	19	0.604	0.623
1/4	6.35	22	21	0.820	0.846
5/16	7.94	26.5	27.2	1.312	1.352
3/8	9.5	28	32	2.001	2.064
7/16	11.11	34	36	2.690	2.772
1/2	12.7	39	43	3.445	3.543
5/8	15.8	45	53	5.479	5.643
3/4	19	55	63	7.956	8.202
7/8	22.2	64	74	10.761	11.089
1	25.4	73	84	14.272	14.698

ORDINARY MILD STEEL MEDIUM LINK CHAIN

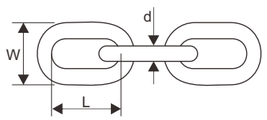




Size (D) IN.	Size (D) mm	Inside Length(L) mm	Outside Width(W) mm	Approx. Weight Bright kg/m	Approx. Weight H.D.G. kg/m
1/8	3.2	20	12	0.177	0.180
5/32	4	23	15	0.285	0.295
3/16	4.7	25	18	0.400	0.410
7/32	5.5	26	19	0.558	0.574
1/4	6.35	26	23	0.801	0.820
5/16	7.94	32	29	1.247	1.280
3/8	9.5	35	35	1.821	1.870
7/16	11.11	38	38	2.526	2.592
1/2	12.7	50	45.5	3.182	3.281
5/8	15.8	60	56.7	4.987	5.118
3/4	19	76	69	7.087	7.316
7/8	22.2	90	80	9.613	9.908
1	25.4	105	95	12.631	12.992

ORDINARY MILD STEEL LONG LINK CHAIN



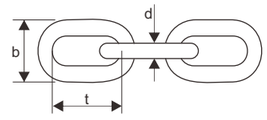


Size (D) IN.	Size (D) mm	Inside Length(L) mm	Outside Width(W) mm	Approx. Weight Bright kg/m	Approx. Weight H.D.G. kg/m
1/8	3.2	23	12	0.171	0.177
5/32	4	27	15	0.272	0.285
3/16	4.7	31	17	0.367	0.384
7/32	5.5	32	19	0.525	0.541
1/4	6.35	33	21	0.715	0.735
5/16	7.94	48	31	1.115	1.148
3/8	9.5	60	37	1.575	1.624
7/16	11.11	71	41	2.067	2.116
1/2	12.7	85	48.5	2.740	2.822
5/8	15.8	114	61.5	4.199	4.331
3/4	19	125	75	6.266	6.430
7/8	22.2	140	88	8.661	8.924
1	25.4	155	100	11.417	11.745



DIN763 LINK CHAIN





Size (d) mm	Size (d) ±mm	Inside Length(t) mm	Inside Length(t) ±mm	Outside Width(b) mm	Outside Width(b) ±mm	Approx. Weight kg/m
2.0	0.5	22	1.0	8	0.4	0.06
2.5	0.5	24	1.1	10	0.5	0.10
3.0	0.5	26	1.2	12	0.6	0.15
3.5	0.5	28	1.3	14	0.7	0.20
4.0	0.5	32	1.5	16	0.8	0.27
4.5	0.5	34	1.7	18	0.9	0.35
5.0	0.5	35	1.8	20	1.0	0.43
5.5	0.5	38.5	1.8	22	1.1	0.52
6.0	0.5	42	2.0	24	1.2	0.63
7.0	0.5	49	2.5	28	1.4	0.86
8.0	0.5	52	2.5	32	1.6	1.10
8.5	0.5	56	2.8	34	1.7	1.25
9.0	0.5	59	3.0	36	1.8	1.41
10.0	1	65	3.2	40	2.0	1.75
11.0	1	72	3.4	44	2.0	2.11
12.0	1	78	3.6	48	2.3	2.55
13.0	1	82	4.0	52	2.5	2.95
16.0	1	100	5.0	64	3.2	4.45
18.0	1	113	5.2	70	3.2	5.65
19.0	1	119	5.6	72	3.4	6.25
20.0	1	120	6.0	75	3.8	7.00
22.0	1	127	6.0	82	4.0	8.55
25.0	1	140	6.6	85	4.2	10.90
28.0	1	152	7.0	96	4.7	13.90
32.0	1	171	7.8	108	5.2	18.20

AMERICAN STANDARD LINK CHAIN NACM1996/2010



■ PROOF COIL CHAIN NACM1996/2010 (G30)

Size		Material Dia.		Max. W.L.L		Proof Load		Breaking Force		Inside Length		Inside Width	
mm	in.	mm	in.	kN	lbs	kN	lbs	kN	lbs	mm	in.	mm	in.
4.0	1/8	4.0	0.156	1.7	400	3.6	800	7.2	1600	23.9	0.94	6.4	0.25
5.5	3/16	5.5	0.217	3.5	800	7.2	1500	14.4	3200	24.8	0.98	7.7	0.30
7.0	1/4	7.0	0.276	5.6	1300	11.6	2600	23.2	5200	31.5	1.24	9.8	0.38
8.0	5/16	8.4	0.331	8.4	1900	16.9	3800	33.8	7600	32.8	1.29	11.2	0.44
10.0	3/8	10.0	0.394	11.7	2650	23.5	5300	47.2	10600	35	1.38	14.0	0.55
11.9	7/16	11.9	0.488	16.4	3700	32.9	7400	65.8	14800	41.5	1.64	16.6	0.65
13.0	1/2	13.0	0.512	19.9	4500	40.0	9000	80.0	18000	45.6	1.79	18.2	0.72
16.0	5/8	16.0	0.630	30.6	6900	61.3	13800	122.8	27600	56.0	2.20	20.0	0.79
20.0	3/4	20.0	0.787	47	10500	94.3	21200	188.6	42400	70.0	2.76	25.0	0.98
22.0	7/8	22.0	0.865	56.9	12800	114.1	25600	228.2	51400	77.0	3.03	27.5	1.08
25.0	1"	26.0	1.020	79.7	17900	159.1	35800	318.2	71600	90.9	3.58	31.7	1.25



■ HIGH TEST CHAIN NACM1996/2010 (G43)

Size		Material Dia.		Max. W.L.L		Proof Load		Breaking Force		Inside Length		Inside Width	
mm	in.	mm	in.	kN	lbs	kN	lbs	kN	lbs	mm	in.	mm	in.
7.0	1/4	7.0	0.276	11.5	2800	17.3	3900	34.6	7800	31.5	1.24	9.8	0.38
8.7	5/16	8.7	0.343	17.3	3900	26.0	5850	52.0	11700	32.8	1.29	11.2	0.44
10.0	3/8	10.0	0.406	24	5400	36.0	8100	72.0	16200	35.0	1.38	14.0	0.55
11.9	7/16	11.9	0.468	32	7200	48.0	10800	96.0	21600	41.6	1.64	16.6	0.65
13.0	1/2	13.0	0.531	40.8	9200	61.3	13800	122.6	27600	45.5	1.79	18.2	0.72
16.0	5/8	16.0	0.630	57.9	13000	86.5	19500	173.0	39000	56.0	2.20	20.0	0.79



■ TRANSPORT CHAIN NACM1996/2010 (G70)

Size		Material Dia.		Max. W.L.L		Proof Load		Breaking Force		Inside Length		Inside Width	
mm	in.	mm	in.	kN	lbs	kN	lbs	kN	lbs	mm	in.	mm	in.
7.0	1/4	7.0	0.281	14	3150	28.0	6300	56.0	12600	31.8	1.24	9.8	0.38
8.7	5/16	8.7	1.343	20.8	4700	41.8	9400	83.6	18800	32.8	1.29	11.2	0.44
11.9	3/8	10.0	0.406	29.3	6600	58.7	13200	117.4	26400	35.0	1.38	14.0	0.55
13.0	1/2	13.5	0.531	50.2	11300	100.4	22600	200.8	45200	45.5	1.79	18.2	0.72
16.0	5/8	16.0	0.630	70.2	15800	140.4	31600	280.8	63200	56.0	2.20	20.0	0.79

STAINLESS STEEL CHAIN, SS304/316



■ DIN766 Standard

Dia.	Inside Length	Inside Width	Weight
mm	mm	mm	kg/m
2	12	3.5	0.07
3	16	5	0.163
4	16	5	0.32
5	18.5	6	0.50
6	18.5	7.2	0.80
7	22	8.4	1.10
8	24	9.6	1.40
9	27	10.8	1.80
10	28	12	2.30
11	31	13.2	2.68
12	36	14.6	3.11
13	36	15.6	3.80
16	45	19.2	5.70

■ DIN5685A Standard

Dia.	Inside Length	Inside Width	Weight
mm	mm	mm	kg/m
2	12	4	0.071
2.5	14	5	1.114
3	10	6	0.165
3.5	18	7	0.23
4	19	8	0.30
5	21	10	0.50
6	24	12	0.73
7	28	14	1.00
8	32	16	1.30
9	36	18	1.65
10	40	20	2.05
12	48	24	2.9
13	52	26	3.45

■ DIN763(DIN5685C) Standard

Dia.	Inside Length	Inside Width	Weight
mm	mm	mm	kg/m
2	22	4	0.061
2.5	24	5	0.10
3	26	6	0.15
3.5	28	7	0.20
4	32	8	0.27
4.5	34	9	0.35
5	35	10	0.43
6	42	12	0.63
7	49	14	0.86
8	52	16	1.10
9	59	18	1.14
10	65	20	1.75
13	82	26	2.95
16	100	32	4.45

■ ASTM80 Standard

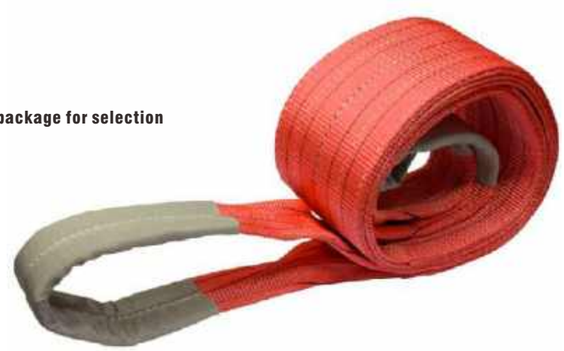
Dia.		Inside Length	Inside Width	Weight
in.	mm	mm	mm	kg/m
1/8	4	23	7	0.29
3/16	5.5	24	10.2	0.60
1/4	7	25.4	12.5	1.07
5/16	8.7	27.9	12.7	1.57
3/8	10	31.2	15.17	2.30
1/2	13.5	39.6	18.2	4.0
5/8	16.7	49	25.5	6.04

■ ASTM90 Standard

Dia.		Inside Length	Inside Width	Weight
in.	mm	mm	mm	kg/m
1/8	4	23	7	0.29
3/16	5.5	24	10.2	0.60
1/4	7	29.3	11	0.98
5/16	8	32.5	12.4	1.28
3/8	10	34.5	14	2.12
1/2	13	45.5	19.8	3.61
5/8	16	54	21.5	5.34

FLAT POLYESTER WEBBING SLING TCSH6001

Features and Advantages



Color Coded according to EN1492-1 for easy distinguish
Stripe Indication of the working load, no need to damage the package for selection
Available Safety Factory: 5:1, 6:1 and 7:1
Material: Sleeve: 100% high tensile polyester (PES)
Filling: 100% high quality synthetic fibre
Temperature: -40℃ to 100℃
Manufactured according to EC directive 98/37/EC.

CE



■ Large Size up to 30t available upon your request

Webbing Width	Color Coded According to EN1492-2	Working Load Limit with 1 Sling					Working Load Limit with 2 Slings			
		Straight Lift	Choked Lift	Lift in Different Angle			Straight lift up to	Choked lift up to	Straight Lift	Choked Lift
				0-7°	7-45°	45-60°				
mm										
		1.0	0.8	2.0	1.4	1.0	1.4	1.12	1.0	0.8
25/30	WLL 1t	1000	800	2000	1400	1000	1400	1120	1000	800
50/60	WLL 2t	2000	1600	4000	2800	2000	2800	2240	2000	1600
75/90	WLL 3t	3000	2400	6000	4200	3000	4200	3360	3000	2400
100/120	WLL 4t	4000	3200	8000	5600	4000	5600	4480	4000	3200
150	WLL5t	5000	4000	10000	7000	5000	7000	5600	5000	4000
180	WLL 6t	6000	4800	12000	8400	6000	8400	6720	6000	4800
200	WLL 8t	8000	6400	16000	11200	8000	11200	8960	8000	6400
240	WLL 10t	10000	8000	20000	14000	10000	14000	11200	10000	8000
300	WLL 12t	12000	9600	24000	16800	12000	16800	13440	12000	9600

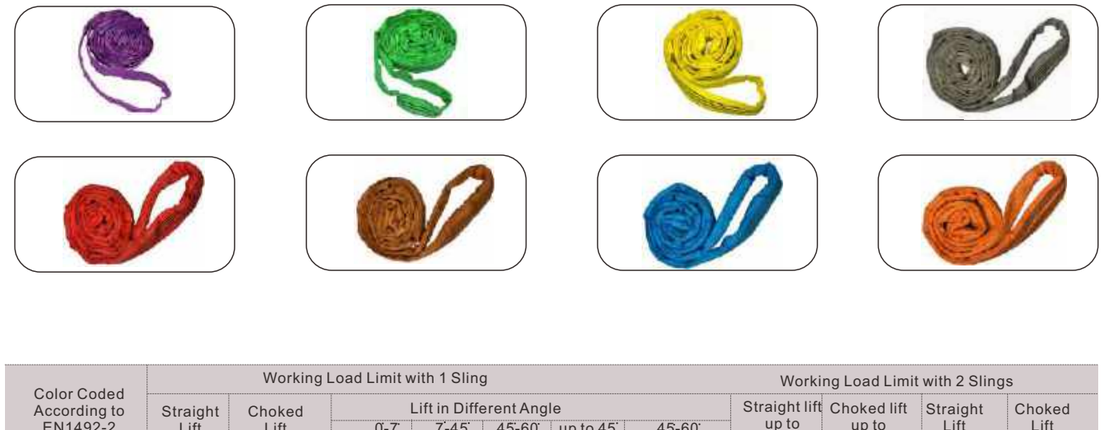
POLYESTER ROUND WEBBING SLING TCSH6002

Features and Advantages



Color Coded according to EN1492-2 for easy distinguish
Stripe Indication of the working load, no need to damage the package for selection
Available Safety Factory: 5:1, 6:1 and 7:1
Material: Sleeve: 100% high tensile polyester (PES)
Filling: 100% high quality synthetic fibre
Temperature: -40℃ to 100℃
Manufactured according to EC directive 98/37/EC.

CE



Color Coded According to EN1492-2	Working Load Limit with 1 Sling							Working Load Limit with 2 Slings			
	Straight Lift	Choked Lift	Lift in Different Angle					Straight lift up to	Choked lift up to	Straight Lift	Choked Lift
			0-7°	7-45°	45-60°	up to 45°	45-60°				
	1.0	0.8	2.0	1.4	1.0	0.7	0.5	1.4	1.12	1.0	0.8
WLL1T	1000	800	2000	1400	1000	700	500	1400	1120	1000	800
WLL2T	2000	1600	4000	2800	2000	1400	1000	2800	2240	2000	1600
WLL3T	3000	2400	6000	4200	3000	2100	1500	4200	3360	3000	2400
WLL4T	4000	3200	8000	5600	4000	2800	2000	5600	4480	4000	3200
WLL5T	5000	4000	10000	7000	5000	3500	2500	7000	5600	5000	4000
WLL6T	6000	4800	12000	8400	6000	4200	3000	8400	6720	6000	4800
WLL8T	8000	6400	16000	11200	8000	5600	4000	11200	8960	8000	6400
WLL10T	10000	8000	20000	14000	10000	7000	5000	14000	11200	10000	8000
WLL12T	12000	9600	24000	16800	12000	8400	6000	16800	13440	12000	9600
WLL15T	15000	12000	30000	21000	15000	10500	7500	21000	16800	15000	12000
WLL20T	20000	16000	40000	28000	20000	14000	10000	28000	22400	20000	16000
WLL30T	30000	24000	60000	42000	30000	21000	15000	42000	33600	30000	24000
WLL50T	50000	40000	100000	70000	50000	35000	25000	70000	56000	50000	40000
WLL60T	60000	48000	120000	84000	60000	42000	30000	84000	67200	60000	48000
WLL80T	80000	64000	160000	112000	80000	56000	40000	112000	89600	80000	64000
WLL100T	100000	80000	200000	140000	100000	70000	50000	140000	112000	100000	80000

POLYESTER ENDLESS WEBBING SLING TCSH6003

Features and Advantages

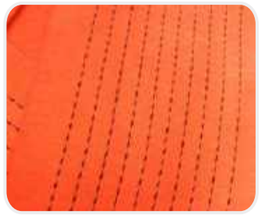
CE

- Color Coded according to EN1492-2 for easy distinguish
- Stripe Indication of the working load, no need to damage the package for selection
- Available Safety Factory: 5:1, 6:1 and 7:1
- Material: Sleeve: 100% high tensile polyester (PES)
  Filling: 100% high quality synthetic fibre
- Temperature: -40℃ to 100℃
- Manufactured according to EC directive 98/37/EC.



Color Coded According to EN1492-2	Working Load Limit with 1 Sling							Working Load Limit with 2 Slings			
	Straight Lift	Choked Lift	Lift in Different Angle					Straight lift up to	Choked lift up to	Straight Lift	Choked Lift
			0-7°	7-45°	45-60°	up to 45°	45-60°				
											
Single Ply.	1.0	0.8	2.0	1.4	1.0	0.7	0.5	1.4	1.12	1.0	0.8
WLL1T	1000	800	2000	1400	1000	700	500	1400	1120	1000	800
WLL2T	2000	1600	4000	2800	2000	1400	1000	2800	2240	2000	1600
WLL3T	3000	2400	6000	4200	3000	2100	1500	4200	3360	3000	2400
WLL4T	4000	3200	8000	5600	4000	2800	2000	5600	4480	4000	3200
WLL5T	5000	4000	10000	7000	5000	3500	2500	7000	5600	5000	4000
WLL6T	6000	4800	12000	8400	6000	4200	3000	8400	6720	6000	4800
WLL8T	8000	6400	16000	11200	8000	5600	4000	11200	8960	8000	6400
WLL10T	10000	8000	20000	14000	10000	7000	5000	14000	11200	10000	8000
WLL12T	12000	9600	24000	16800	12000	8400	6000	16800	13440	12000	9600
Double Ply											
WLL2T	2000	1600	4000	2800	2000	1400	1000	2800	2240	2000	1600
WLL4T	4000	3200	8000	5600	4000	2800	2000	5600	4480	4000	3200
WLL6T	6000	4800	12000	8400	6000	4200	3000	8400	6720	6000	4800
WLL8T	8000	6400	16000	11200	8000	5600	4000	11200	8960	8000	6400
WLL10T	10000	8000	20000	14000	10000	7000	5000	14000	11200	10000	8000
WLL12T	12000	9600	24000	16800	12000	8400	6000	16800	13440	12000	9600

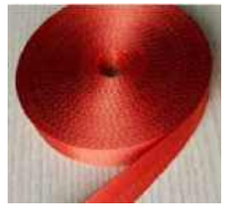


WEBBING BELT FOR SLING TCSH6004

TYPE

- Polyester 1-Ply Webbing belt for slings , 100% high tensile polyester (PES) Technical specifications
- Colour coded according to DIN-EN1492-1
- Capacity stripes: each stripe is equal to 1 tonne capacity.
- Each 25 or 30mm belt width is equal to 1 tonne capacity, depending order' s request.
  200M per roll or any length as per order's request.
- All the safety factor 5:1; 6:1; 7:1 is on the basis of double ply webbing sling, which is made of two 1-ply belt.


Belt Width (mm)	Color coded according to EN1492-1 (mm)	Working Load Limit of 2-ply Webbing Sling (t)	Net Weight of 200m (kgs)			Rolls Per Carton (rolls)			Dimension of Carton (mm)
			5:1	6:1	7:1	5:1	6:1	7:1	
25	WLL 1T	1	14	17	19	2	6	6	51x31x32
30	WLL 1T	1	14	17	19	5	5	5	51x31x32
50	WLL 2T	2	27	34	38	1	1	1	51x31x32
60	WLL 2T	2	27	34	38	1	1	1	51x31x32
75	WLL 3T	3	42	50	57	1	1	1	51x31x32
90	WLL 3T	3	42	50	57	1	1	1	51x31x32
100	WLL 4T	4	55	66	76	1	1	1	51x31x32
120	WLL 4T	4	55	66	76	1	1	1	51x31x32
125	WLL 5T	5	69	83	95	1	1	1	51x51x41
140	WLL 5T	5	69	83	95	1	1	1	51x51x41
150	WLL 6T	6	82	98	114	1	1	1	51x51x41
200	WLL 8T	8	124	130	160	1	1	1	55x55x50
250	WLL 10T	10	156	164	208.6	1	1	1	55x55x50
300	WLL 12T	12	186	202	220	1	1	1	55x55x50

Ratchet tie down/Ratchet Straps TCSH6005



Features and Advantages

100% Polyester Webbing Straps-High strength and durable wearing resistance
Ergonomic Designed Aluminum Handle-Provide comfortable ratcheting when tightening or loosing the tension
Adjustable Loose End-Enable straps cross over the cargo/equipment in a wide range
All-Steel-Structured Ratchet Buckle-Strong and Durable, provide effective tension tightening and releasing
Zinc Plated Hardware-Have extreme weather and corrosion resistance
Capacity Strip Sewn In-Enable quick selection of the proper straps for your job without opening and damaging the package
Conform with EN12195-2 Specification

















Item Number	Width (mm)	W.L.L.		Min. Breaking Strength		Length (m)		N.W. (Kg)	Sets Per Carton	Dimension of Carton (cm)
		(Kgs)	(Lbs)	(Kgs)	(Lbs)	Fixed End	Loose End			
TCSH2501	25	150	330	450	990	0.5	2.5	0.38	90	49x30x29
TCSH2502	25	200	440	600	1320	0.5	2.5	0.40	85	49x30x29
TCSH2503	25	250	550	800	1650	0.5	2.5	0.42	80	49x30x29
TCSH2504	25	300	660	900	1980	0.5	2.5	0.43	75	49x30x29
TCSH2505	25	350	770	1000	2310	0.5	4.0	0.50	60	49x30x29
TCSH3801	38	500	1100	1500	3300	0.5	4.0	0.80	25	49x30x29
TCSH3802	38	650	1430	2000	4290	0.5	5.5	1.10	20	49x30x29
TCSH3803	38	800	1750	2500	5250	0.5	5.5	1.30	20	49x30x29
TCSH5001	50	1000	2200	3000	6600	0.5	7.5	2.00	12	49x30x29
TCSH5002	50	1150	2500	3500	7500	0.5	7.5	2.20	12	49x30x29
TCSH5003	50	1350	3000	4000	9000	0.5	7.5	2.40	12	49x30x29
TCSH5004	50	1500	3300	4500	9900	0.5	7.5	2.50	12	49x30x29
TCSH5005	50	1650	3600	5000	10800	0.5	7.5	2.60	12	49x30x29
TCSH7501	75	2250	5000	6800	15000	0.5	8.5	5.10	3	49x30x29
TCSH7502	75	2650	5800	8000	17400	0.5	8.5	6.30	3	49x30x29
TCSH10001	100	2250	5000	6800	15000	0.5	9.5	5.80	3	49x30x29
TCSH10002	100	2650	5800	8000	17400	0.5	9.5	7.00	3	49x30x29
TCSH10003	100	3350	7350	10000	22050	0.5	9.5	8.80	3	49x30x29

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Ratchet tie down belt



1 inch



2 inch



3 inch

WEBBING BELT FOR CARGO LASHING TCSH6006

Different Color Available

Available Width 1 inch, 1 1/2 inch, 2 inch, 3 inch and 4 inch

Extra Low Elongation

Available Safety Factor 2:1 and 3:1

Item Code	Belt Width (mm)	Assembly break Strength (kgs)	Webbing tensile strength (kgs)	Net weight of 200m (kgs)	Rolls Per Carton (rolls)	Dimension of Carton (mm)
TCSH2501	25	450	585	3.2	11	51x31x32
TCSH2502	25	600	750	4.0	10	51x31x32
TCSH2503	25	800	1000	4.7	10	51x31x32
TCSH2504	25	900	1125	5.3	8	51x31x32
TCSH2505	25	1000	1250	5.4	8	51x31x32
TCSH3801	38	1500	1875	8.3	7	51x31x32
TCSH3802	38	2000	2500	7.3	7	51x31x32
TCSH3803	38	2500	3125	14.1	7	51x31x32
TCSH5001	50	3000	3750	17.2	5	51x31x32
TCSH5002	50	3500	4375	19.8	4	51x31x32
TCSH5003	50	4000	5000	21.4	4	51x31x32
TCSH5004	50	4500	5625	23.6	3	51x31x32
TCSH5005	50	5000	6250	26.0	3	51x31x32
TCSH7501	75	6800	8500	35.5	2	51x31x32
TCSH7502	75	8000	10000	42.0	2	51x31x32
TCSH10001	100	6800	8500	35.5	4	51x51x41
TCSH10002	100	8000	10000	42.0	4	51x51x41
TCSH10003	100	10000	12500	52.6	4	51x51x41

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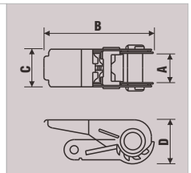
RATCHET/CAM BUCKLE

TCSH25203



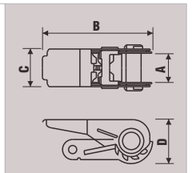
A=26MM
B=109MM
C=37MM
D=39MM
PULL: ≤800KG



TCSH25204



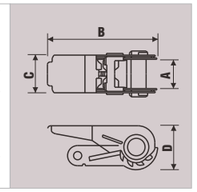
A=28MM
B=118MM
C=42MM
D=42MM
PULL: ≤800KG



TCSH25205



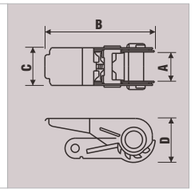
A=26MM
B=109MM
C=37MM
D=39MM
PULL: ≤800KG



TCSH25206



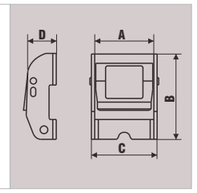
A=26MM
B=128MM
C=42MM
D=47MM
PULL: ≤800KG



TCSH-CB15



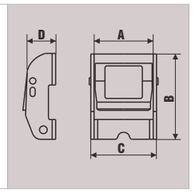
A=51MM
B=75MM
C=62MM
D=18MM
PULL: ≤1000KG



TCSH-CB16



A=25MM
B=64MM
C=31MM
D=27MM
PULL: ≤750KG



TCSH-CB19



A=25MM
B=50MM
C=33MM
D=18MM
PULL: ≤500KG

TCSH-CB20

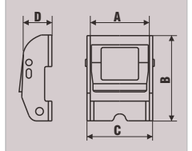


A=25MM
B=44MM
C=30MM
D=18MM
PULL: ≤250KG

TCSH-CB21

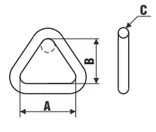


A=25MM
B=44MM
C=30MM
D=18MM
PULL: ≤250KG



TCSH-H09

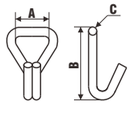




A=51MM
B=70MM
C=11.7MM
PULL: ≤5000KG

TCSH-H10

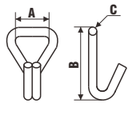




A=77MM
B=135MM
C=16.7MM
PULL: ≤10000KG

TCSH-H11





A=25MM
B=48MM
C=6MM
PULL: ≤1500KG

TCSH-H12



A=51MM
B=155MM
C=5MM
PULL: ≤5000KG

TCSH-H13



A=70MM
B=93MM
C=5MM
PULL: ≤7500KG

TCSH-H14



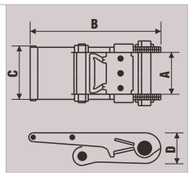
A=70MM
B=93MM
C=5MM
PULL: ≤7500KG

Ratchet Buckles

TCSH10101



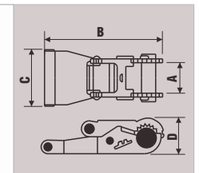
A=103MM
B=325MM
C=116MM
D=75MM
PULL: ≤10000KG



TCSH50502



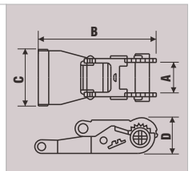
A=52MM
B=227MM
C=108MM
D=57MM
PULL: ≤5000KG



TCSH50203



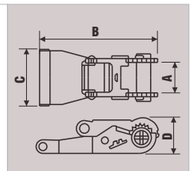
A=52MM
B=227MM
C=108MM
D=57MM
PULL: ≤5000KG



TCSH35303



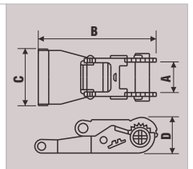
A=39MM
B=153MM
C=74MM
D=50MM
PULL: ≤3000KG



TCSH35302



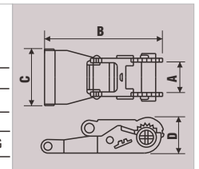
A=39MM
B=130MM
C=73MM
D=40MM
PULL: ≤2000KG



TCSH35308



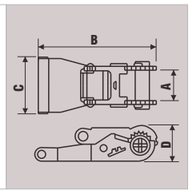
A=39MM
B=130MM
C=73MM
D=40MM
PULL: ≤2000KG



TCSH25201



A=28MM
B=118MM
C=56MM
D=39MM
PULL: ≤1500KG



TCSH25202



A=28MM
B=130MM
C=65MM
D=39MM
PULL: ≤1500KG

TCSH35309

A=39MM
B=153MM
C=74MM
D=50MM
PULL: ≤3000KG

TCSH25202

A=52MM
B=165MM
C=57MM
D=50MM
PULL: ≤2000KG

Titansuhe®

Lifting& Rigging

MATERIAL HANDLING & RIGGING EQUIPMENT



PRODUCTS ALBUM

ELECTRIC CHAIN HOIST, HHB TCSH7001 HOOK SUSPENSION



Precision Machined Gear Set-Provide stable and smooth driven with super lower noise

100% Copper Wire Winded Motor-Gives strong power and durable thermal resistance

Quick Plug Pedant Control-For quick and easy installation and maintenance

Spring Loaded Over Travel Device-Stop lifting action one spring touch the hoist body

360 degree swivel bottom hook-Easy hook and position the loads to where you desire to

Built-in Steel Wire Pendant Control- Gives strong support to pedant cords

Reduce cable damage or broken by its deadweight.

Japan tech with dual braking system ensure for more safe and reliable operation.

Die casting all steel structure, fan-cooled heavy duty motor, Alloy steel chain, CNC machined gear set.



SPECIFICATION, 3P, 380V, 50HZ, SINGLE/DUAL SPEED

Model	Capacity ton	Standard Lift m	Test Load kN	Motor Power Single/Dual (kw)	No.of Chain	Dia of Chain mm	Lifting Speed Single/Dual(m/min.)	Net Weight kg	Weight per meter of Extra lift (kg)
HHB0.5AF	0.5	3	6.25	0.75, 0.8/0.27	1	6.3	6.8, 6.9/2.3	47	0.81
HHB1.0AF	1.0	3	12.5	1.5, 1.8/0.8	1	7.1	6.6, 6.9/2.3	61	1.1
HHB1.0BF	1.0	3	12.5	0.75, 0.8/0.27	2	6.3	3.4, 3.5/1.2	52	1.62
HHB2.0AF	2.0	3	25	3.0, 3.0/1.0	1	10	6.6, 6.8/2.3	115	2.3
HHB2.0BF	2.0	3	25	1.5, 1.8/0.8	2	7.1	3.3, 3.3/1.1	73	2.2
HHB3.0AF	3.0	3	37.5	3.0, 3.0/1.0	1	11.2	5.4, 5.4/1.8	122	2.8
HHB3.0BF	3.0	3	37.5	3.0, 3.0/1.0	2	10	4.4, 4.5/1.5	131	4.7
HHB5.0F	5.0	3	62.5	3.0, 3.0/1.0	2	11.2	2.8, 2.7/0.9	151	5.6
HHB7.5F	7.5	3	94	3.0, 3.0/1.0	3	11.2	1.8, 1.8/0.8	266	8.4
HHB10F	10	3	125	3.0, 3.0X2/1.0X2	4	11.2	2.7, 2.7/0.9	335	11.2
HHB15F	15	3	187.5	3.0, 3.0X2/1.0X2	6	11.2	1.8, 1.8/0.6	451	17
HHB20F	20	3	250	3.0, 3.0X2/1.0X2	8	11.2	1., 1.5/0.6	546	22
HHB25F	25	3	312.5	3.0, 3.0X2/1.0X2	10	11.2	1.1, 1.2/0.4	624	28
HHB30F	30	3	375	3.0, 3.0X2/1.0X2	12	11.2	0.9, 1.0/0.3	1143	31
HHB35F	35	3	437.5	3.0, 3.0X2/1.0X2	16	11.2	0.7, 0.7/0.25	1385	44.8

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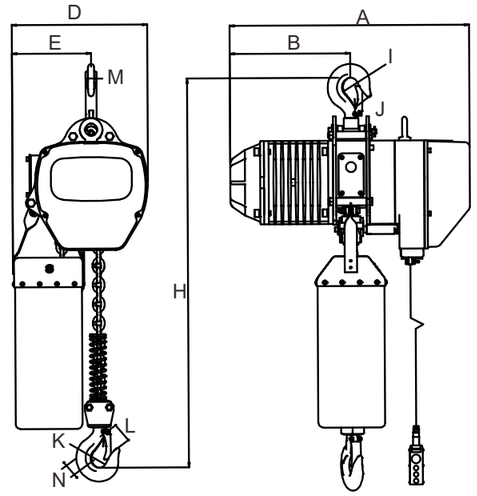





DIMENSION

Model	Capacity ton	H mm	A mm	B mm	D mm	E mm	I mm	J mm	K mm	L mm	M mm	N mm
HHB0.5AF	0.5	530	545	260	280	160	35	28	35	25	17	17
HHB1.0AF	1.0	650	582	280	300	176	40	31	40	31	22	22
HHB1.0BF	1.0	680	460	230	288	165	40	31	40	31	22	2
HHB2.0AF	2.0	800	670	313	430	265	47	40	47	38	30	30
HHB2.0BF	2.0	835	520	260	300	236	47	38	47	38	30	30
HHB3.0AF	3.0	645	670	313	430	265	58	47	58	47	36	36
HHB3.0BF	3.0	950	670	313	430	320	58	47	58	47	36	36
HHB5.0F	5.0	1030	670	313	430	325	60	48	60	48	43	43
HHB7.5F	7.5	1200	670	313	505	320	54	31	85	80	85	55
HHB10F	10	1400	685	352	/	890	85	80	80	80	104	55
HHB15F	15	1310	630	315	1070	535	54	54	120	96	88	78
HHB20F	20	1470	630	315	1260	630	70	70	150	115	88	98
HHB25F	25	1580	630	315	1260	725	70	70	150	115	88	95
HHB30F	30	1640	740	315	1300	725	100	100	140	95	217	130
HHB35F	35	1790	740	315	1500	725	100	100	200	140	217	150

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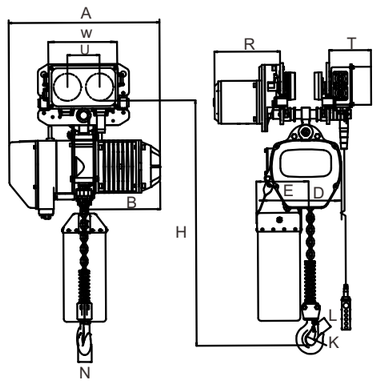
ELECTRIC CHAIN HOIST, HHB TCSH7002 WITH MOTOR TROLLEY

0.5T-25T





3-phase,380V, 50Hz(Single Speed/Dual Speed)

Model	Capacity ton	Standard Lift m	Test Load kN	Motor Power Single/Dual (kw)	No.of Chain	Dia of Chain mm	Lifting Speed Single/Dual(m/min.)	Net Weight kg	Weight per meter of Extra lift (kg)
HHB0.5AE	0.5	3	6.25	0.75, 0.8/0.27	1	6.3	6.8, 6.9/2.3	47	0.81
HHB1.0AE	1.0	3	12.5	1.5, 1.8/0.8	1	7.1	6.6, 6.9/2.3	61	1.1
HHB1.0BE	1.0	3	12.5	0.75, 0.8/0.27	2	6.3	3.4, 3.5/1.2	52	1.62
HHB2.0AE	2.0	3	25	3.0, 3.0/1.0	1	10	6.6, 6.8/2.3	115	2.3
HHB2.0BE	2.0	3	25	1.5, 1.8/0.8	2	7.1	3.3, 3.3/1.1	73	2.2
HHB3.0AE	3.0	3	37.5	3.0, 3.0/1.0	1	11.2	5.4, 5.4/1.8	122	2.8
HHB3.0BE	3.0	3	37.5	3.0, 3.0/1.0	2	10	4.4, 4.5/1.5	131	4.7
HHB5.0E	5.0	3	62.5	3.0, 3.0/1.0	2	11.2	2.8, 2.7/0.9	151	5.6
HHB7.5E	7.5	3	94	3.0, 3.0/1.0	3	11.2	1.8, 1.8/0.8	266	8.4
HHB10E	10	6	125	3.0, 3.0X2/1.0X2	4	11.2	2.7, 2.7/0.9	335	11.2
HHB15E	15	6	187.5	3.0, 3.0X2/1.0X2	6	11.2	1.8, 1.8/0.6	451	17
HHB20E	20	6	250	3.0, 3.0X2/1.0X2	8	11.2	1., 1.5/0.6	546	22
HHB25E	25	6	312.5	3.0, 3.0X2/1.0X2	10	11.2	1.1, 1.2/0.4	624	28

Main Dimension(Single Speed/Dual Speed)

Model	Capacity ton	H mm	A mm	B mm	D mm	E mm	I mm	J mm	K mm	L mm	M mm	N mm
HHB0.5AF	0.5	530	545	260	280	160	35	28	35	25	17	17
HHB1.0AF	1.0	650	582	280	300	176	40	31	40	31	22	22
HHB1.0BF	1.0	680	460	230	288	165	40	31	40	31	22	2
HHB2.0AF	2.0	800	670	313	430	265	47	40	47	38	30	30
HHB2.0BF	2.0	835	520	260	300	236	47	38	47	38	30	30
HHB3.0AF	3.0	645	670	313	430	265	58	47	58	47	36	36
HHB3.0BF	3.0	950	670	313	430	320	58	47	58	47	36	36
HHB5.0F	5.0	1030	670	313	430	325	60	48	60	48	43	43
HHB7.5F	7.5	1200	670	313	505	320	54	31	85	80	85	55
HHB10F	10	1400	685	352	/	890	85	80	80	80	104	55
HHB15F	15	1310	630	315	1070	535	54	54	120	96	88	78
HHB20F	20	1470	630	315	1260	630	70	70	150	115	88	98
HHB25F	25	1580	630	315	1260	725	70	70	150	115	88	95

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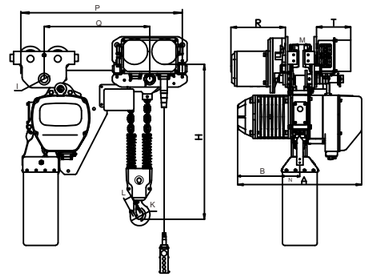
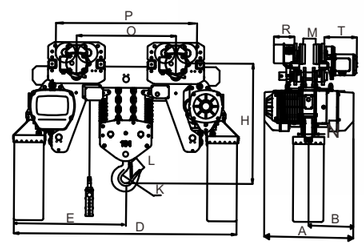
ELECTRIC CHAIN HOIST, HHB TCSH7003 LOW HEADROOM



0.5T-10T
LOW HEADROOM





3-phase,380V, 50Hz(Single Speed/Dual Speed)

Model	Capacity ton	Standard Lift m	Test Load kN	Motor Power Single/Dual (kw)	No.of Chain	Dia of Chain mm	Lifting Speed Single/Dual(m/min.)	Net Weight kg	Weight per meter of Extra lift (kg)
HHB0.5AL	0.5	3	6.25	0.75, 0.8/0.27	1	6.3	6.8, 6.9/2.3	47	0.81
HHB1.0AL	1.0	3	12.5	1.5, 1.8/0.8	1	7.1	6.6, 6.9/2.3	61	1.1
HHB1.0BL	1.0	3	12.5	0.75, 0.8/0.27	2	6.3	3.4, 3.5/1.2	52	1.62
HHB2.0AL	2.0	3	25	3.0, 3.0/1.0	1	10	6.6, 6.8/2.3	115	2.3
HHB2.0BL	2.0	3	25	1.5, 1.8/0.8	2	7.1	3.3, 3.3/1.1	73	2.2
HHB3.0AL	3.0	3	37.5	3.0, 3.0/1.0	1	11.2	5.4, 5.4/1.8	122	2.8
HHB3.0BL	3.0	3	37.5	3.0, 3.0/1.0	2	10	4.4, 4.5/1.5	131	4.7
HHB5.0L	5.0	3	62.5	3.0, 3.0/1.0	2	11.2	2.8, 2.7/0.9	151	5.6
HHB7.5L	7.5	3	94	3.0, 3.0/1.0	3	11.2	1.8, 1.8/0.8	266	8.4
HHB10L	10	6	125	3.0, 3.0X2/1.0X2	4	11.2	2.7, 2.7/0.9	335	11.2

Main Dimension(Single Speed/Dual Speed)

Model	Capacity ton	H mm	A mm	B mm	D mm	E mm	I mm	J mm	K mm	L mm	M mm	N mm
HHB0.5AL	0.5	530	545	260	280	160	35	28	35	25	17	17
HHB1.0AL	1.0	650	582	280	300	176	40	31	40	31	22	22
HHB1.0BL	1.0	680	460	230	288	165	40	31	40	31	22	2
HHB2.0AL	2.0	800	670	313	430	265	47	40	47	38	30	30
HHB2.0BL	2.0	835	520	260	300	236	47	38	47	38	30	30
HHB3.0AL	3.0	645	670	313	430	265	58	47	58	47	36	36
HHB3.0BL	3.0	950	670	313	430	320	58	47	58	47	36	36
HHB5.0L	5.0	1030	670	313	430	325	60	48	60	48	43	43
HHB7.5L	7.5	1200	670	313	505	320	54	31	85	80	85	55
HHB10L	10	1400	685	352	/	890	85	80	80	80	104	55

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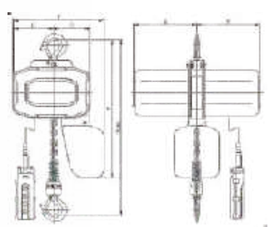


Hook Suspension Type

ELECTRIC CHAIN HOIST TCSH7004

- Japan Technology
  Single speed/Dual Speed
  Load limited device is optional
  Thermal prevention device

- Japan tech with dual braking system ensure for more safe and reliable operation.
  Compact design with light weight, high efficient operation.
  Overload limiter and thermal prevention device enable safety.
  High strength alloy steel components with special heat treatment, avoiding sudden break.

Main dimension

Model	Dimension (mm) A	B	C	D	E	F	H
TCSHB025	210	210	116	104	262	500	430
TCSHB05	245	245	158	142	350	600	500
TCSHB10	245	245	158	142	350	600	520
TCSHB20	245	245	124	176	350	610	630
TCSHB20S	265	265	127	205	393	738	650
TCSHB30	245	245	124	176	350	620	710
TCSHB30S	265	265	127	205	393	738	800
TCSHB50	265	265	127	205	393	738	850
TCSHB100	265	265	338	338	800	950	1150

Specifications

3-Phase ,380V,50HZ (Single Speed/dual Speed)

Model	Capacity ton	Standard Lift m	Running test load kn	Motor power kw Single	Dual	No.of chain	Dia of chain mm	Lift speed m/min Single	Dual	Net weight kg	Extra weight per meter of extra lift kg
TCSHB025	0.25	3	3.1	0.45		1	5	8		25	0.55
TCSHB05	0.5	3	6.25	0.8	0.4/1.2	1	7.1	7	2.3/7	50	1.1
TCSHB10	1.0	3	12.5	1.6	0.4/1.2	1	7.1	7	2/6	55	1.1
TCSHB20	2.0	3	25	1.6	0.4/1.2	2	7.1	3.5	1/3	60	2.2
TCSHB20S	2.0	3	25	3.0		1	9	8		90	1.8
TCSHB30	3.0	3	37.5	1.6	0.4/1.2	3	7.1	2.3	0.7/2	65	3.3
TCSHB30S	3.0	3	37.5	3.0		2	9	4		95	3.5
TCSHB50	5.0	3	62.5	3.0		3	9	2.60		100	5.3
TCSHB100	10	3	125	3.0*2		6	9	2.60		260	10.6

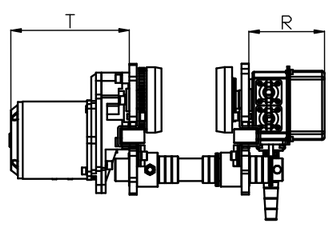
1-Phase ,240V,50HZ (single speed)

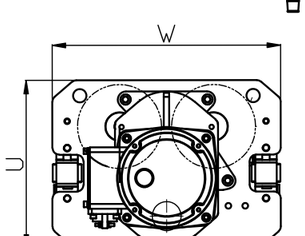
Model	Capacity ton	Standard Lift m	Running test load kn	Motor power kw	No.of chain	Dia of chain mm	Lift speed m/min	Net weight kg	Extra weight per meter of extra lift kg
TCSHDB025	0.25	3	3. 1	0.45	1	5	8	22	0. 55
TCSHDB05	0.5	3	6.25	0.8	1	7.1	7	55	1.1
TCSHDB10	1.0	3	12.5	1.2	1	7.1	6	60	1.1
TCSHDB20	2.0	3	25	1.2	2	7.1	3	65	2.2
TCSHDB30	3.0	3	37.5	1.2	3	7.1	2	73	3.3

Note: Other electric source is available at extra cost.
As our products are incessantly being improved and developed, their structures may be slightly different from instructions.

ELECTRIC TROLLEY FOR HHB TCSH7005

- To be used together with the electric chain hoist.
  The unique side guide system makes the trolley drives smoothly.
  Simple structured gear box, light weight and well balanced.







Model	Capacity t	Motor Power kw	Moving Speed m/mim	F mm	G mm	P mm	J mm	Min.Radius of curve m	N.W kg
TPX-0.5	0.5	0.12	11/21	231	142	315	212	0.7	22
TPX-1	1	0.4	11/21	231	142	315	212	0.8	47
TPX-2	2	0.4	11/21	231	142	325	220	0.9	50
TPX-3	3	0.75	11/21	231	142	340	250	1	55
TPX-5	5	0.75	11/21	231	142	400	291	1.5	80
TPX-7.5	7.5	0.75	11/21	231	142	400	291	1.8	192
TPX-10	10	0.75	11/21	231	142	500	371	2.0	140

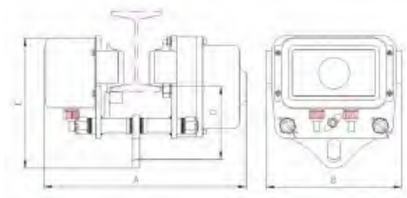
ELECTRIC TROLLEY FOR TCSHB

Model		DC-A025/05	DC-A10	DC-A20	DC-A30	DC-50A/100A
Dimension (mm)	A	396	396	296	442	442
	B	266	266	270	330	334
	C	264	264	264	340	342
	D	145	145	180	180	182



3-phase, 380v, 50hz/1-phase,220V,50Hz

Model	Capacity ton	Motor power(w)	Trolley speed m/min	I-beam mm	Min.distance between two hooks (mm)	Min.radius of curve (m)	Net weight (kg)
DC-A025/05	0.5	200	20	74-124	520	1.1	33
DC-A10	1.0	200	20	74-124	520	1.1	33
DC-A20	2.0	300	20	74-124	520	1.1	35
DC-A30	3.0	400	18	102-152	630	1.3	63
DC-A50	5.0	400	18	102-152	710	1.3	68



ELECTRIC WIRE ROPE HOIST TCSH7006
LOW HEADROOM







Main Features
主要件



Rope Guide
Made of high strength nylon



Drum
Made of high quality steel



Wire Rope
Electric Galvanized Strength: 2160N/mm²



Remote control optional
Strong anti-interferenceRemote control range:100M



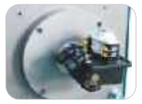
Lifting Motor
Imported from Germany Professional pole-changing motor Electromagnetic disc brake Hardened reducer



Load Limiter
High sensitivity limiter Settle the limit according to user, requirement



Traveling Motor
Professional converter motor Electromagnetic disc brake Hardened reducer



Lifting Limit Switch

Adjustable Four level



Body Structure
Stamping by die or plate bending
Less use of welding



Electric Components

Schnider and Phoenix



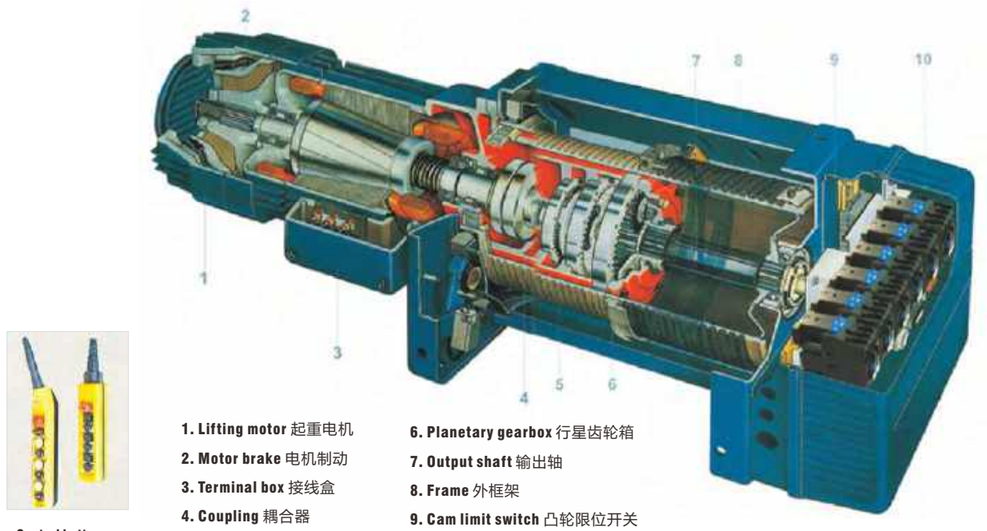
Lifting Hook
Forged alloy steel Hook with safety latch with high strength nylon wheel



Wheels
Modular design Made of alloy steel Heat treatment

ELECTRIC WIRE ROPE HOIST TCSH7007
SH

This kind of wire rope hoist has newest designing with quadrate outline, modularized construction, good unitized capacity. The fundamental mode change combine is very convenient and multiform. The special drive composition method is very stationary which save the usual long transmission shaft. The reducer use planetary speed-down drive which have high effective, low yawp long using life. Unique column rotor-taper breaking wheel motor with low yawp, disk reliable. With the advance guide rope technology from overseas, unit is very reliable and safety. High precision and super mechanical spin limiter High quality control electric component with low malfunction. The products are complied with the up to date international standard.



Control button

1. Lifting motor 起重电机
2. Motor brake 电机制动
3. Terminal box 接线盒
4. Coupling 耦合器
5. Drum and rope guider 卷筒导绳器
6. Planetary gearbox 行星齿轮箱
7. Output shaft 输出轴
8. Frame 外框架
9. Cam limit switch 凸轮限位开关
10. Electric control box 电控箱



Cam limit switch



Planetary gearbox



Drum and rope guider



Electric control box



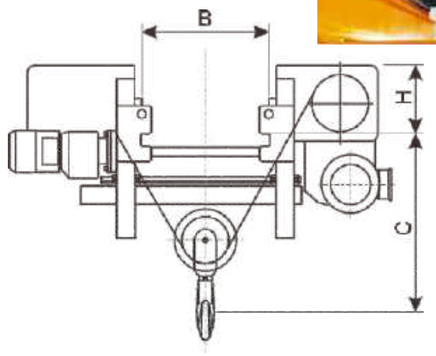


ELECTRIC WIRE ROPE HOIST TCSH7008
LOW HEADROOM









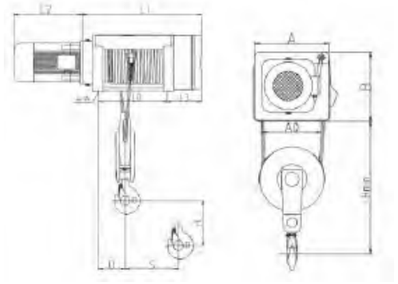
Capacity kg	Lifting Height m	Lifting Speed m/min	Lifting Power KW	Traveling Speed m/min	Traveling Power KW	Working Group FEM/ISO	Traveling Working Group FEM/ISO	H （mm）	C （mm）	I-beam B(mm)	Weight kg
2000	6	5/0.8	3.2/0.45	5/20	0.37	3M M6	2M M5	210	556	150-300	341
	9	5/0.8	3.2/0.45	5/20	0.37	3M M6	2M M5	210	556	150-300	360
	12	5/0.8	3.2/0.45	5/20	0.37	3M M6	2M M5	210	556	150-300	380
	15	5/0.8	3.2/0.45	5/20	0.37	3M M6	2M M5	210	556	150-300	401
	18	5/0.8	3.2/0.45	5/20	0.37	3M M6	2M M5	210	556	150-300	425
3200	6	5/0.8	3.2/0.45	5/20	0.37	2M M5	2M M5	210	556	150-300	346
	9	5/0.8	3.2/0.45	5/20	0.37	2M M5	2M M5	210	556	150-300	363
	12	5/0.8	3.2/0.45	5/20	0.37	2M M5	2M M5	210	556	150-300	385
	15	5/0.8	3.2/0.45	5/20	0.37	2M M5	2M M5	210	556	150-300	406
	18	5/0.8	3.2/0.45	5/20	0.37	2M M5	2M M5	210	556	150-300	428
5000	6	5/0.8	6.1/1	5/20	0.37	2M M5	2M M5	260	596	200-350	413
	9	5/0.8	6.1/1	5/20	0.37	2M M5	2M M5	260	596	200-350	435
	12	5/0.8	6.1/1	5/20	0.37	2M M5	2M M5	260	596	200-350	462
	15	5/0.8	6.1/1	5/20	0.37	2M M5	2M M5	260	596	200-350	489
	18	5/0.8	6.1/1	5/20	0.37	2M M5	2M M5	260	596	200-350	516
6300	6	5/0.8	6.1/1	5/20	0.37	1Am M4	2M M5	260	596	200-350	413
	9	5/0.8	6.1/1	5/20	0.37	1Am M4	2M M5	260	596	200-350	435
	12	5/0.8	6.1/1	5/20	0.37	1Am M4	2M M5	260	596	200-350	462
	15	5/0.8	6.1/1	5/20	0.37	1Am M4	2M M5	260	596	200-350	489
	18	5/0.8	6.1/1	5/20	0.37	1Am M4	2M M5	260	596	200-350	516

Capacity kg	Lifting Height m	Lifting Speed m/min	Lifting Power KW	Traveling Speed m/min	Traveling Power KW	Working Group FEM/ISO	Traveling Working Group FEM/ISO	H （mm）	C （mm）	I-beam B(mm)	Weight kg
8000	6	5/0.8	9.5/1.5	5/20	0.75	3M M6	2M M5	325	750	200-410	814
	9	5/0.8	9.5/1.5	5/20	0.75	3M M6	2M M5	325	750	200-410	846
	12	5/0.8	9.5/1.5	5/20	0.75	3M M6	2M M5	325	750	200-410	890
	15	5/0.8	9.5/1.5	5/20	0.75	3M M6	2M M5	325	750	200-410	934
	18	5/0.8	9.5/1.5	5/20	0.75	3M M6	2M M5	325	750	200-410	978
10000	6	5/0.8	9.5/1.5	5/20	0.75	2M M5	2M M5	325	750	200-410	814
	9	5/0.8	9.5/1.5	5/20	0.75	2M M5	2M M5	325	750	200-410	846
	12	5/0.8	9.5/1.5	5/20	0.75	2M M5	2M M5	325	750	200-410	890
	15	5/0.8	9.5/1.5	5/20	0.75	2M M5	2M M5	325	750	200-410	934
	18	5/0.8	9.5/1.5	5/20	0.75	2M M5	2M M5	325	750	200-410	978
12500	6	4/0.6	12.5/2	5/20	0.75	1Am M4	2M M5	325	750	200-410	814
	9	4/0.6	12.5/2	5/20	0.75	1Am M4	2M M5	325	750	200-410	846
	12	4/0.6	12.5/2	5/20	0.75	1Am M4	2M M5	325	750	200-410	890
	15	4/0.6	12.5/2	5/20	0.75	1Am M4	2M M5	325	750	200-410	934
	18	4/0.6	12.5/2	5/20	0.75	1Am M4	2M M5	325	750	200-410	978
16000	6	4/0.6	16/2.6	5/20	0.75x2	2M M5	2M M5	400	920	300-450	958
	9	4/0.6	16/2.6	5/20	0.75x2	2M M5	2M M5	400	920	300-450	1042
	12	4/0.6	16/2.6	5/20	0.75x2	2M M5	2M M5	400	920	300-450	1166
	15	4/0.6	16/2.6	5/20	0.75x2	2M M5	2M M5	400	920	300-450	1286
	18	4/0.6	16/2.6	5/20	0.75x2	2M M5	2M M5	400	920	300-450	1406
20000	6	4/0.6	16/2.6	5/20	0.75x2	1Am M4	2M M5	400	920	300-450	958
	9	4/0.6	16/2.6	5/20	0.75x2	1Am M4	2M M5	400	920	300-450	1042
	12	4/0.6	16/2.6	5/20	0.75x2	1Am M4	2M M5	400	920	300-450	1166
	15	4/0.6	16/2.6	5/20	0.75x2	1Am M4	2M M5	400	920	300-450	1286
	18	4/0.6	16/2.6	5/20	0.75x2	1Am M4	2M M5	400	920	300-450	1406
8000	20	8/1.3	16/2.6	5/20	0.75	2M M5	2M M5	325	750	200-410	1019
	24	8/1.3	16/2.6	5/20	0.75	2M M5	2M M5	325	750	200-410	1060
	28	8/1.3	16/2.6	5/20	0.75	2M M5	2M M5	325	750	200-410	1101
	32	8/1.3	16/2.6	5/20	0.75	2M M5	2M M5	325	750	200-410	1142
	36	8/1.3	16/2.6	5/20	0.75	2M M5	2M M5	325	750	200-410	1183
10000	20	8/1.3	16/2.6	5/20	0.75	2M M5	2M M5	325	750	200-410	1019
	24	8/1.3	16/2.6	5/20	0.75	2M M5	2M M5	325	750	200-410	1060
	28	8/1.3	16/2.6	5/20	0.75	2M M5	2M M5	325	750	200-410	1101
	32	8/1.3	16/2.6	5/20	0.75	2M M5	2M M5	325	750	200-410	1142
	36	8/1.3	16/2.6	5/20	0.75	2M M5	2M M5	325	750	200-410	1183
12500	20	6.3/1	16/2.6	5/20	0.75	1Am M4	2M M5	325	750	200-410	1019
	24	6.3/1	16/2.6	5/20	0.75	1Am M4	2M M5	325	750	200-410	1060
	28	6.3/1	16/2.6	5/20	0.75	1Am M4	2M M5	325	750	200-410	1101
	32	6.3/1	16/2.6	5/20	0.75	1Am M4	2M M5	325	750	200-410	1142
	36	6.3/1	16/2.6	5/20	0.75	1Am M4	2M M5	325	750	200-410	1183

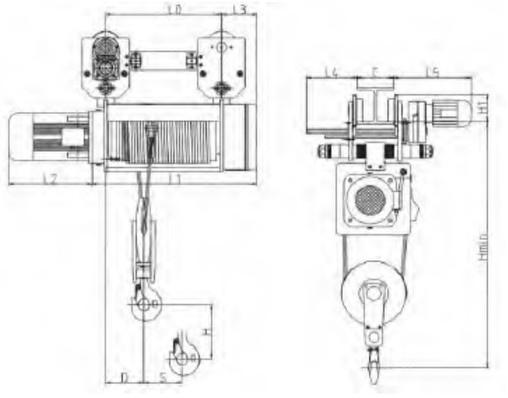


Foot mounted type (A)

SH MODEL FOOT-MOUNTED TCSH7009 HOIST (2/1 ROPE REEVING)



Type	Capacity (t)	Rope Reeving	Rope Size mm	Lifting Speed m/min	Lifting Motor kw	L2 mm	Ø mm	A mm	A0 mm	B mm	Hmin mm	L3 mm	S mm	Lifting Height (H) 6m	9m	12m	18m	24m	30m	Size	Net Weight(kg) 12m Lifting Height
SHA2-3A	1	2/1	7.4	8.4 8.4/2.1	1.5 1.5/0.4	300 500	13	278	215	253	455	163	0.0161H	334 584 113	431 681 113	528 778 113	722 972 113	916 1166 113	1110 1360 113	L0 L1 D	156
SHA2-4A	2	2/1	11	7.2 7.2/2.4	3 3/1	350 535	18	335	265	310	578	181	0.0174H	390 667 148	494 771 148	648 925 198	856 1133 198	1064 1341 198	1272 1549 198	L0 L1 D	266
SHA2-5A	3.2	2/1	13	7 7/1.6	4.5 4.5/1.1	380 600	18	370	300	346	649	198	0.0182H	415 718 161	524 827 161	683 986 211	901 1204 211	1119 1422 211	1337 1640 211	L0 L1 D	351
SHA2-6A	5	2/1	15	7.6 7.6/1.8	7.5 7.5/2	460 645	26	408	325	381	739	226	0.0191H	459 792 178	574 907 178	768 1101 258	997 1330 258	1226 1559 258	1455 1788 258	L0 L1 D	487
SHA2-7A	8	2/1	18	8 8/2	13 13/3.4	520 620	26	480	370	455	799	249	0.0194H	495 888 204	612 1005 204	808 1201 284	1041 1434 284	1274 1667 284	1507 1900 284	L0 L1 D	759
SHA2-8A	10	2/1	18	4 4/1	13 13/3.4	520 620	26	480	370	445	799	249	0.0194H	495 888 204	612 1005 204	808 1201 284	1041 1434 284	1274 1667 284	1507 1900 284	L0 L1 D	765
SHA2-9A	16	2/1	22	6 6/1.5	18.5 18.5/4.7	580 920	26	635	465	553	1000	249	0.02H	/ / /	/ / /	1090 1240 458	1330 1480 458	1570 1720 458	1810 1960 458	L0 L1 D	1020

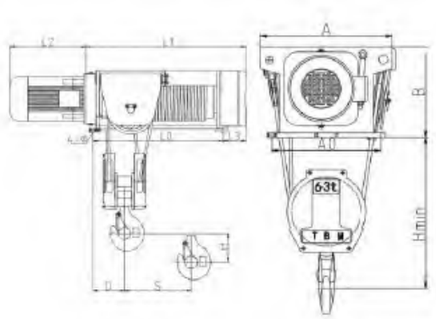




Traveling type(B)

Type	Capacity (t)	Rope Reeving	Rope Size mm	Lifting Speed m/min	Lifting Motor kw	Traveling Speed m/min	Traveling Motor kw	L2 mm Single Speed	Suitable for Rail Cmm I	Suitable for Rail Cmm H	L3 mm	L5 mm	L4 mm	H1 mm	Hmin mm	S mm	Lifting Height (H) 9m	12m	18m	24m	30m	Size	Net Weight(kg) 12m Lifting Height
SHA2-3B	1	2/1	7.4	8.4 8.4/2.1	1.5 1.5/0.4	20 20/5	0.37 0.37/1	300 500	110-180	180-420	138	375	282	211	979	0.0161H	479 683 137	576 778 137	770 972 137	964 1166 137	1158 1360 137	L0 L1 D	282
SHA2-4B	2	2/1	11	7.2 7.2/2.4	3 3/1	20 20/5	0.37 0.37/1	350 535	110-180	180-420	147	375	282	121	1153	0.0174H	771 1027	925 232	1133 232	1341 232	1549 232	L1 D	392
SHA2-5B	3.2	2/1	13	7 7/1.6	4.5 4.5/1.1	20 20/5	0.37 0.37/1	380 600	110-180	180-420	161	375	282	121	1249	0.0182H	598 827 198	757 986 248	975 1204 248	1193 1422 248	1411 1640 248	L0 L1 D	475
SHA2-6B	5	2/1	15	7.6 7.6/1.8	7.5 7.5/2	20 20/5	0.55 0.55/0.13	460 645	130-180	180-420	194	429	278	151	1361	0.0191H	638 907 210	832 1101 290	1061 1330 290	1290 1559 290	1519 1788 290	L0 L1 D	636
SHA2-7B	8	2/1	18	8 8/2	13 13/3.4	20 20/5	0.75 0.75/0.18	520 620	140-180	180-450	211	434	308	179	1516	0.0194H	689 1005 243	885 1201 323	1118 1434 323	1351 1667 323	1584 1900 323	L0 L1 D	951
SHA2-8B	10	2/1	18	4 4/1	13 13/3.4	20 20/5	0.75 075/0.18	520 620	140-180	180-450	211	434	308	179	1516	0.0194H	689 1005 243	885 1201 323	1118 1434 323	1351 1667 323	1584 1900 323	L0 L1 D	960

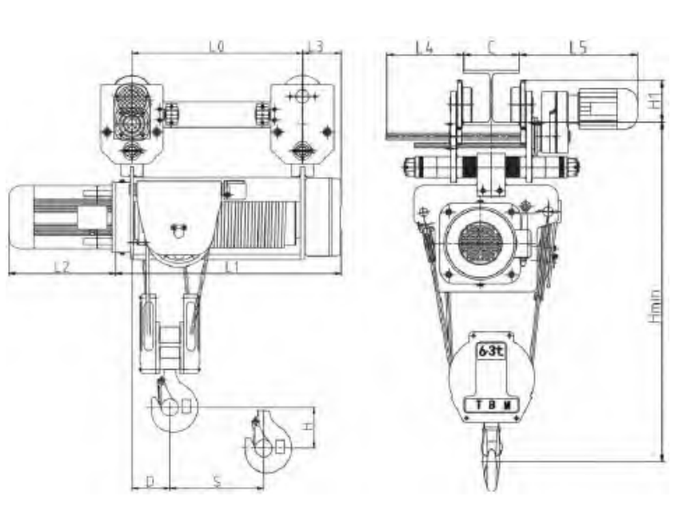
SH MODEL FOOT-MOUNTED HOIST TCSH7010 (4/1 ROPE REEVING)

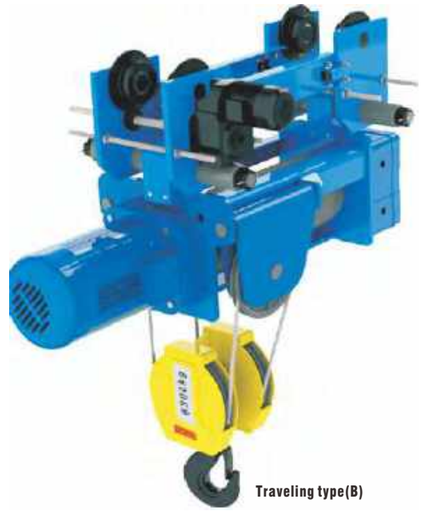




Foot mounted type (A)

Type	Capacity (t)	Rope Reeving	Rope Size mm	Lifting Speed m/min	Lifting Motor kw	L2 mm	Ø mm	A mm	A0 mm	B mm	Hmin mm	L3 mm	S mm	Lifting Height (H) 6m	9m	12m	15m	Size	Net Weight(kg) 12m Lifting Height
SHA4-4A	3.2	4/1	11	3.6 3.6/1.2	3 3/1	350 535	18	485	395	323	531	120	0.0174H	770 925	978 1133	1186 1431	1394 1549	L0 L1	335
SHA4-5A	6.3	4/1	13	3.5 3.5/0.8	4.5 4.5/1.1	380 600	18	520	430	358	619	134	0.0182H	812 986	1030 1204	1248 1422	1466 1640	L0 L1	471
SHA4-6A	10	4/1	15	3.8 3.8/0.9	7.5 7.5/2	460 645	26	588	468	393	689	161	0.0191H	899 1101	1128 1330	1357 1559	1586 1788	L0 L1	661
SHA4-7A	16	4/1	18	4 4/1	13 13/3.4	520 620	26	720	540	472	760	176	0.0194H	955 1201	1188 1434	1421 1667	1654 1900	L0 L1	1028
SHA4-8A	20	4/1	18	3.2 3.2/0.8	13 13/3.4	520 620	26	720	540	472	760	176	0.0194H	955 1201	1188 1434	1421 1667	1654 1900	L0 L1	1035
SHA4-9A	32	4/1	22	3 3/0.7	18.5 18.5/4.7	580 920	26	710	540	553	1100	249	0.02H	1090 1240	1339 1480	1570 1720	1810 1960	L0 L1	1310





Traveling type(B)

Type	Capacity (t)	Rope Reeving	Rope Size mm	Lifting Speed m/min	Lifting Motor kw	Traveling Speed m/min	Traveling Motor kw	L2 mm Single Speed	Suitable for Rail Cmm I	Suitable for Rail Cmm H	L3 mm	L5 mm	L4 mm	H1 mm	Hmin mm	S mm	Lifting Height (H) 6m	9m	12m	15m	Size	Net Weight(kg) 12m Lifting Height
SHA4-4B	3.2	4/1	11	3.6 3.6/1.2	3 3/1	20 20/5	0.37 0.37/1	350 535	110-180	180-420	147	375	282	121	1105	0.0174H	716 925	924 1133	1132 1341	1340 1549	L0 L1	459
SHA4-5B	6.3	4/1	13	3.5 3.5/0.8	4.5 4.5/1.1	20 20/5	0.55 0.55/0.13	380 600	130-180	180-420	161	429	278	151	1225	0.0182H	757 986	975 1204	1193 1422	1411 1640	L0 L1	624
SHA4-6B	10	4/1	15	3.8 3.8/0.9	7.5 7.5/2	20 20/5	0.75 0.75/0.18	460 645	140-180	180-450	194	434	308	179	1314	0.0191H	832 1101	1061 1330	1290 1559	1519 1788	L0 L1	850
SHA4-7B	16	4/1	18	4 4/1	13 13/3.4	20 20/5	2x0.75 2x0.75/0.18	520 620	150-180	180-300	250	434	186	179	1412	0.0194H	885 1201	1118 1434	1351 1667	1584 1900	L0 L1	1302
SHA4-8B	20	4/1	18	3.2 3.2/0.8	13 13/3.4	20 20/5	2x0.75 2x0.75/0.18	520 620	150-180	180-300	250	434	186	179	1412	0.0194H	885 1201	1118 1434	1351 1667	1584 1900	L0 L1	1310

ELECTRIC WIRE ROPE HOIST TCSH7011

CD1,MD1

- Model CD1,MD1 Electric Wire Hoist is a small-sized lifting equipment, which can be mounted on single beam, bridge, gantry and arm cranes.
- With slight modification, it can also be used as a winch.
- It is widely used in factories, mines, harbours, warehouses, cargo storage areas and shops, essential in raising working efficiency and improving working conditions.
- Model CD1 Electric Hoist has only normal speed, which can satisfy normal application.
- Model MD1 Electric Hoist provides two speeds: normal speed and low speed. At a low speed, it can do precise loading and unloading, mounding of sand box, maintenance of machine tools, etc.

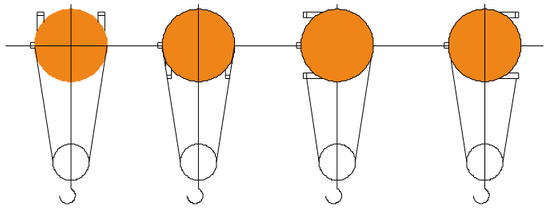


Fixed type

Rope winding system of the hoist



Mounting patterns of fixed type hoist



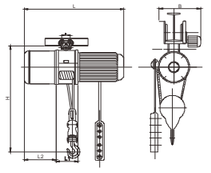
Note:

A. The standard lifting height is 6,9,12,18,24,30 and 36 meters.
B. The lifting speed can be single speed or double speed, even multi-speed with frequency inverters.
C. The suitable rail for the low-headroom hoist is H-type rail, and I-type rail is also available.
D. The recommended rope reeving of this kind of hoist is 2/1, 4/2 or 4/1.
E. The normal traveling speed is 20m/min, and 12.5,16,25,32m/min by request
F. The normal rial gauge of the double-girder hoist is 1200, 1500,1800,2100 and 2300mm.
The normal traveling speed of this kind of hoist is 20m/min,and 30,
45m/min by request.

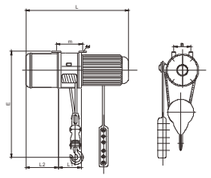


Trolley type

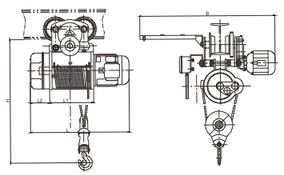
TECHNICAL DATA AND MAIN DIMENSION OF ELECTRIC WIRE ROPE HOIST



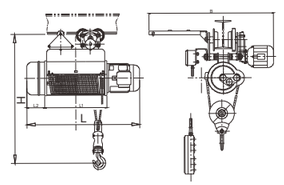
Cd1, MD1 model 0.25t



Fixed type CD1, MD1 model 0.25t



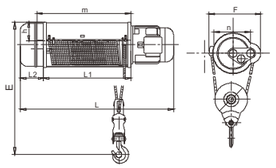
CD1, MD1 model 0.5-5T (lifting height 6-9m)



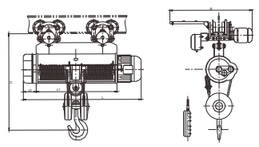
CD1, MD1 model 0.5-5T (lifting height 12-30m)

Model			CD1 & MD1																															
Capacity		T	0.25			0.5			1						2						3													
Hoisting Height		M	3	6	9	3	6	9	6	9	12	18	24	30	6	9	12	18	24	30	6	9	12	18	24	30								
Lifting speed		M/min	8 8/0.8			8 8/0.8			8 8/0.8						8 8/0.8						8 8/0.8													
Travel Speed		M/min	20 30			20 30			20 30						20 30						20 30													
Wirerope	Dia	mm	3.6			4.7			7.7						13						13													
	Construction		6×19			D-6X37+1			D-6X37+1						D-6X37+1						D-6X37+1													
Track	T-steel spec.		16-22b			16-28b			16-28b						20a-32c						20a-32c													
	Min. curvature radius	m	0.8			1.5			1.5		2		3	4	2		2.5		3	4	2		2.5		3	4								
Power source			3-phase, AC, 380V, 50HZ																															
Working system and working group			Intermediate FC=25%, working group M3																															
Hoisting motor	Power	Kw	0.4			0.8 0.2/0.8			1.5 0.2/1.5						3 0.4/3						4.5 0.4/4.5													
	Rotation speed	R/min	1380			1380			1380						1380						1380													
	Current	A	1.25			2.4 0.72/2.4			4.3 0.72/4.3						7.6 1.25/7.6						11 2.4/11													
Travelling motor	Power	Kw	0.06			0.2			0.2						0.4						0.8													
	Rotation speed	R/min	1400			1380			1380						1380						1380													
	Current	A	0.30			0.72			0.72						1.25						1.25													
Net weight ±15% (kg)	CD		44	44.4	45	120	125	145	145	158	180	195	208	222	235	248	296	320	340	365	280	300	350	380	405	435								
	MD					135	140	160	160	170	200	210	220	230	265	278	326	350	370	395	310	330	380	410	435	465								
	CD fixed		30	30.4	31	80	85	90	110	120	125	140	150	165	168	180	190	210	230	350	220	235	250	275	300	325								
	MD fixed					100	105	110	130	140	145	155	165	180	196	210	220	240	260	280	250	265	280	305	330	355								
Main dimension (mm)	H		423			630		670	960						960						985		1080											
	E		395			493			584						740						848													
	L2		216			126			159						187						230													
	L1					274	346	418	345	443	541	737	933	1129	352	452	552	752	952	1152	380	483	586	792	998	1024								
	L CD		391			616	688	760	758	856	955	1510	1346	1542	820	920	1020	1220	1420	1620	915	1018	1121	1327	1533	1738								
	L MD					638	710	782	780	878	976	1172	1368	1542	820	920	1020	1220	1420	1620	915	1018	1121	1327	1533	1738								
	m		104			318	390	462	401	499	597	793	989	1185	418	518	618	818	1018	1218	448	551	664	860	1066	1272								
	n		130			190			196						240						264													
	h					145			152.5						190						211.5													
	ϕ		17			17			20						25						25													
	B		279-315			279-884			279-884						279-930						279-930													
	F					355/426			354/492						400/562						438/642													

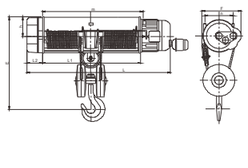
TECHNICAL DATA AND MAIN DIMENSION OF ELECTRIC WIRE ROPE HOIST



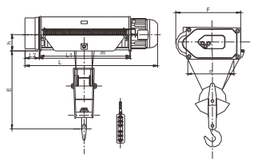
Fixed type CD1, MD1 model 0.5-5T
固定式CD1，MD1型0.5-5T



Cd1, MD1 model 10t,15t
CD1,MD1型10T，15T



Fixed type CD1, MD1 model 10t
CDA&MDA15t
固定式CD1，MD1型10T，CDA&MDA15T



Fixed type BC model
固定式BC型

Model			CD1 & MD1										CDA& MDA			BC-model CD1 & MD1						
Capacity		T	5						10					15			20				32		
Hoisting Height		M	6	9	12	18	24	30	9	12	18	24	30	9	12	18	6	9	12	16	12	16	18
Lifting speed		M/min	8 8/0.8						7 7/0.7					3.5 3.5/0.35			3.3 3.3/0.33				3		
Travel Speed		M/min	20 30						20 30					18			14				/		
Wirerope	Dia	mm	15						15					17.5			19.5				26		
	Construction		D-6X37+1						D-6X37+1					D-6X37+1			D-6X37+1				D-6X37+1		
Track	T-steel spec.		25a-63c						32b-63c					50c-63c			over 63				/		
	Min. curvature radius	m	2.5	3	4		5		3.5	4	6	7.5	9	4	6	7.5	3.5	4	6		/		
Power source			3-phase, AC, 380V, 50HZ																				
Working system and working group			FC=25%,M3						FC=25%,M3					FC=25%,M2			FC=25%,M2				FC=25%,M3		
Hoisting motor	Power	Kw	7.5 0.8/7.5						13 1.5/13					13 1.5/13			13 1.5/13				18.5		
	Rotation speed	R/min	1380						1380					1380			1380				920		
	Current	A	18 2.4/18						30 4.3/30					30 4.3/30			30 4.3/30				40		
Travelling motor	Power	Kw	0.8						0.8X2					0.8X2			0.8X2				/		
	Rotation speed	R/min	1380						1380					1380			1380				/		
	Current	A	2.4						2.4X2					2.4X2			2.4X2				/		
Net Weight ±15% (kg)	CD		445	470	555	590	630	670	1010	1063	1166	1263	1317	1284	1492	1598	1070	1090	1130	1170	/	/	/
	MD		480	505	590	630	660	705	1100	1153	1256	1353	1407	1376	1582	1788	1160	1180	1220	1260	/	/	/
	CD fixed		355	375	390	425	460	500	759	807	900	987	1032	1000	1186	1392	940	960	1000	1040	2450	2650	2850
	MD fixed		390	410	425	460	500	535	849	897	990	1077	1122	1090	1094	1300	1030	1050	1090	1130	/	/	/
Main dimensions (mm)	H		1160						1310					2100			2186				/		
	E		998						1068					1747			1741				2120		
	L2		274						303					303			318						
	L1		415	525	625	835	1045	1255	875	1056	1418	1780	2142	1136	1576	1796	730	880	1185	1475	/	396.5	/
	L CD		1047	1157	1257	1467	1677	1887	1602	1783	2145	2507	2869	1869	2089	2529	/	/	/	/	/	/	/
	L MD		1059	1169	1269	1479	1682	1899	1969	2150	2512	2874	3236	2230	2650	3090	/	/	/	/	/	/	/
	m		485	606	695	905	1115	1325	949	1130	1492	1854	2246	1210	1430	1870	796	946	1251	1541	/	/	/
	n		320						376					376			385				600		
	h		255.5						305.5					305.5			302.5				340		
	Φ		31						37					41			37				25		
	B		279-1058						279-1058					279-1058			279-1213				/		
	F		472/675						612					612			700				940		

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MINI ELECTRIC WIRE HOIST PA TCSH7012



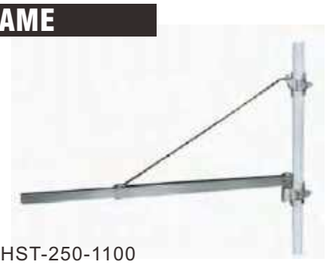
Extra Long Wire Available

- With emergency stop switch
- Reinforced braking switch with
- position limit
- Protection class up to IP54
- With thermal prevention device

18M
20M
22M

Model	Method of use	Rated volt (V)	Input power (W)	Rated capacity (kg)	Lifting speed (m/min)	Lifting height (m)	Qty/CTN (pcs)	Packing size (cm)	G.W./N.W. (kg)
PA200A	Single-hook Double-hook	220/230/240	480	100 200	10 5	12 6	2	47x37x16	24/22
PA250A	Single-hook Double-hook	220/230/240	510	125 250	10 5	12 6	2	47x37x16	24/22
PA300A	Single-hook Double-hook	220/230/240	600	150 300	10 5	12 6	2	47x37x16	24/22
PA400A	Single-hook Double-hook	220/230/240	950	200 400	10 5	12 6	2	52x42x17	36/34
PA500A	Single-hook Double-hook	220/230/240	1020	250 500	10 5	12 6	2	52x42x17	36/34
PA600A	Single-hook Double-hook	220/230/240	1200	300 600	10 5	12 6	2	52x42x17	36/34
PA700A	Single-hook Double-hook	220/230/240	1250	350 700	8 4	12 6	2	52x42x17	38/36
PA800A	Single-hook Double-hook	220/230/240	1300	400 800	8 4	12 6	2	52x42x17	38/36
PA1000A	Single-hook Double-hook	220/230/240	1600	500 1000	8 4	12 6	1	56x25x35	33/32
PA1200A	Single-hook Double-hook	220/230/240	1800	600 1200	8 4	12 6	1	56x25x35	33/32

ROTARY HOIST FRAME



HST-250-1100



HST-600-750
HST-1000-750

Model	Rated hanging weight (kg)	Rated lifting length (mm)	Qty/Ctn (PCS)	Packing size (cm)	G.W./N.W. (kg)
HST-250-1100	250	1100	4	86x22x20	33/32
HST-600-750	600	750	4	86x22x20	25/26
HST-1000-750	1000	750	4	86x22x20	38/37

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MINI ELECTRIC WIRE HOIST WITH MOVING TROLLEY TCSH7013

Model	Lifting Capacity (Kg)	Rated volt (V)	Lifting height (m)	Trolley Load (t)	Trolley speed (m/min)	Qty/CTN (Pcs)	Packing size (Cm)	G.W./N.W. (Kg)
PAT200	100/200	100/110/120 220/230/240	12/6	0.5	13	1	49x41x47	28/26
PAT250	125/250	100/110/120 220/230/240	12/6	0.5	13	1	49x41x47	28/26
PAT300	150/300	100/110/120 220/230/240	12/6	0.5	13	1	49x41x47	28/26
PAT400	200/400	100/110/120 220/230/240	12/6	0.5	13	1	49x41x47	35/33
PAT500	250/500	100/110/120 220/230/240	12/6	0.5	13	1	49x41x47	35/33
PAT600	300/600	100/110/120 220/230/240	12/6	1.0	13	1	54x48x48	35/33
PAT700	350/700	220/230/240	12/6	1.0	13	1	54x48x48	38/36
PAT800	400/800	220/230/240	12/6	1.0	13	1	54x48x48	38/36
PAT1000	500/1000	220/230/240	12/6	1.0	13	1	62x51x53	55/53
PAT1200	600/1200	220/230/240	12/6	1.0	13	1	62x51x53	55/53





MINI ELECTRIC WIRE HOIST FAST TYPE TCSH7014

With emergency stop switch
Reinforced braking switch with position limit
Protection class up to IP54
With thermal prevention device

Model	Method of use	Rated capacity (kg)	Input power (W)	Rated volt (V)	Lifting speed (m/min)	Lifting height (m)	Qty/CTN (pcs)	Packing size (cm)	G.W./N.W. (kg)
PAF200	Single-hook Double-hook	100 200	220/230/240	1020	20 10	12 6	2	52X42X17	36/34
PAF300	Single-hook Double-hook	150 300	220/230/240	1300	20 10	12 6	2	52X25X17	38/36
PAF400	Single-hook Double-hook	200 400	220/230/240	1600	20 10	12 6	1	51X34X18	33/32
PAF500	Single-hook Double-hook	250 500	220/230/240	1800	20 10	12 6	1	51X34X18	33/32

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KDJ ELECTRIC WINCH TCSH7015



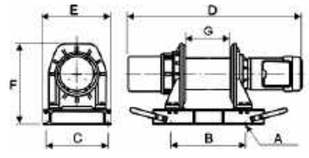
KDJ-200E,KDL-250E
KDJ-300E,KDJ-300E1

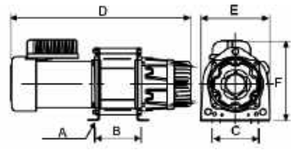


KDJ-500E1,KDJ-750E1
KDJ-1000E1

Model	Load rated (kg)	Speed (m/min)	Motor (hp x p)	Voltage (v)	Frequency (Hz)	Lifting Height (m)	Steel cable (Φmm x m)	N.W. (kg)	Percentage duty cycle
KDJ-200E	200	10-15 12-18	0.8X4	1-phase 120v,220v, 230v,240v	50 60	29	6X30	36	25% ED (150 times/h max. starting frequency)
KDJ-250E	250	10-15 12-18	1.0X4		50 60	29	6X30	40	
KDJ-300E	300	10-15 12-18	1.5X4		50 60	29	7X30	49	
KDJ-300E1	300	10-15	1.5X4	3-phase 380v 415v	50	29	7X30	48	
KDJ-500E1	500	12-18	3.0X4		50	58	9X60	136	
KDJ-750E1	750	12-18	4.0X4		50	58	9X60	149	
KDJ-1000E1	1000	12-18	5.5X4		50	58	11X60	156	

Symbol	KDJ-200E	KDJ-250E	KDJ-300E	KDJ-300E1	KDJ-500E1	KDJ-750E1	KDJ-1000E1
A(mm)	4-Φ10.5	4-Φ10.5	4-Φ10.5	4-Φ10.5	4-Φ16	4-Φ15	4-Φ15
B(mm)	142	142	172	172	400	400	400
C(mm)	142	142	142	142	330	330	300
D(mm)	510	525	540	548	922	935	935
E(mm)	210	210	210	210	372	372	372
F(mm)	246	246	246	246	430	430	430





Model	Load rated (kg)	Speed (m/min)	Motor (hp x p)	Voltage (v)	Frequency (Hz)	Lifting Height (m)	Steel cable (Φmm x m)	N.W. (kg)	Percentage duty cycle
KDJ-2200E1	2200	7-12.5	7.5X4	3-phase 380v 415v	50	97	16X100	450	25% ED (150 times/h max. starting frequency)
KDJ-3200E1	3200	6.3-8.8	7.5X6		50	97	18X100	500	
KDJ-5000E1	5000	8.0-12	15X4		50	192	22.4X200	1500	
KDJ-10000E1	10000	7-11	30X4		50	235	32X250	3000	

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FAST BUILDING ELECTRIC WINDLASS Commercial Model TCSH7016

JKC

Model	Cable rated pull (kg)	Cable rated speed (m/min)	Wire rope (Φmm)	Wire length (m)	Drum(mm) Dia(Φ)	Motor Power (kw)	Weight(kg) Without rope	With rope
JKC0.5	500	22	7.7	100	175	4.2	139	150
JKC1	1000	22	9.3	160	218	5.5	179	200
JKC1.5	1500	22	11	200	255	7.5	316	350
JKC2	2000	22	12.5	200	275	11	456	500
JKC3	3000	16	15.5	200	330	11	467	550



JK, JM 0.5T-3T



JK, JM 5T-30T

SLOW BUILDING ELECTRIC WINDLASS Commercial Model TCSH7017

JMC

Model	Cable rated pull (kg)	Cable rated speed (m/min)	Wire rope (Φmm)	Wire length (m)	Drum(mm) Dia(Φ)	Motor Power (kw)	Weight(kg) Without rope	With rope
JMC0.5	500	16	7.7	100	175	4.2	129.5	150
JMC1	1000	16	9.3	160	218	5.5	170	200
JMC1.5	1500	16	11	200	255	5.5	308.1	350
JMC2	2000	16	12.5	200	275	7.5	446	460
JMC3	3000	16	15.5	200	315	11	517	550
JMC5	5000	9	19.5	250	400	11	1280	1437
JMC8	8000	10	26	300	475	15	2850	3201
JMC10	10000	9	30	300	515	22	3200	3667
JMC16	16000	9	36.5	400	717	30	5200	6120
JMC20	20000	10	39	450	950	45	7500	8659
JMC30	30000	10	47.5	450	1100	55	9200	10916

FAST BUILDING ELECTRIC WINDLASS HEAVY DUTY TCSH7018

JK

Model	Cable rated pull (kg)	Cable rated speed (m/min)	Wire rope (Φmm)	Reduction box Type	Transmission ratio	Drum(mm) Dia(Φ)	Length
Jk1	1000	34	9.3	JZQ350	31.5	190	360
Jk3	3000	35	17	JZQ500	23.34	270	570
Jk5	5000	29	22	JZQ650	40.17	400	840
Jk8	8000	20	26	JZQ650	23.34	500	900
Jk10	10000	19	30	JZQ750	23.34	550	1000

Model	Wire length (m)	Type	Motor Power (kw)	Rotate speed (r/min)	Arrester	Size (cm)	Weight(kg) Without rope	With rope
Jk1	110	Y132M-4	7.5	1440	TJ2-200	102X90X60	460	495
Jk3	200	YZR225M-8	22	715	TJ2-300	156X137X90	1000	1205
Jk5	200	YZR250M1-8	30	720	TJ2-300	220X180X94	2700	3320
Jk8	300	YZR250M1-6	37	960	YWZ-300	240X180X110	4000	4740
Jk10	300	YZR250M2-6	45	960	YWZ-400	250X190X120	5000	6460



JK1-JK10



JM2-JM30

SLOW BUILDING ELECTRIC WINDLASS HEAVY DUTY TCSH7019

JM

Model	Cable rated pull (kg)	Cable rated speed (m/min)	Wire rope (Φmm)	Reduction box Type	Transmission ratio	Drum(mm) Dia(Φ)	Length
JM2	2000	12	15.53	JZQ350	23.34	260	480
JM3	3000	10	17	JZQ350	31.50	310	510
JM5	5000	11	21.50	JZQ400	23.34	400	730
JM8	8000	10	26	JZQ500	31.50	500	900
JM10	10000	9	30	JZQ650	40.17	550	1000
JM12	12000	9	32	JZQ650	40.17	650	1000
JM16	16000	6.6	36.5	JZQ750	31.50	750	1830
JM20	20000	7.7	39	JZQ750	31.50	750	1830
JM25	25000	8.5	42	JZQ750	31.50	850	1925
JM30	30000	8.5	48	JZQ850	23.34	960	1960

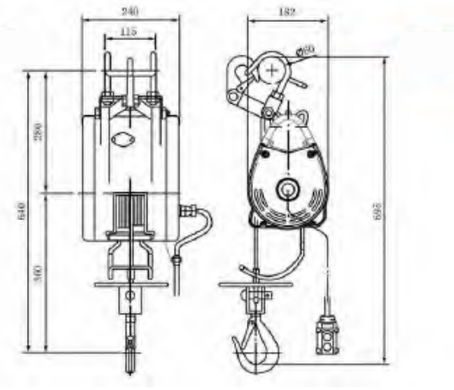
Model	Wire length (m)	Type	Motor Power (kw)	Rotate speed (r/min)	Arrester	Size (cm)	Weight (kg) Without rope	With rope
JM2	150	Y160M-6	7.5	970	TJ2-200	115X100X60	630	760
JM3	180	Y160M-6	7.5	970	TJ2-200	138X106X65	680	870
JM5	250	YZR180L-8	11	685	TJ2-300	185X135X90	1400	1890
JM8	250	YZR225M-8	22	715	YWZ-300	205X275X105	3000	3740
JM10	300	YZR250M1-8	30	720	YWZ-300	220X180X110	4000	5450
JM12	300	YZR250M2-8	37	725	YWZ-300	250X190X120	5500	7350
JM16	450	Y2ZR280S-8	45	717	YWZ-400	390X300X245	7500	12360
JM20	500	YZR250M2-6	45	965	YWZ-400	400X300X170	8500	12300
JM25	500	YZR280S-6	55	969	YWZ-400	412X300X200	9500	13920
JM30	500	YZR280M-6	75	969	YWZ-400	450X300X250	11000	17200

SUSPENDING MINI ELECTRIC WINCH TCSH8001



- It is widely used for lifting, hoisting and dragging in warehouses, storage areas, factories, construction sites, etc.
- Compact, light weight, economy and effective and easy to obtain 1-p power supply.
- Dual brake system and high friction copper disc brakes enable high safety and long using life.
- High strength heat treated alloy steel gear with its intensity three times higher than the rated capacity.
- Adopt urgent stop switch and reinforced breaking switch with position limit.
- Protection class up to Ip54.
  It includes three series with different quality level: S, T, M series.







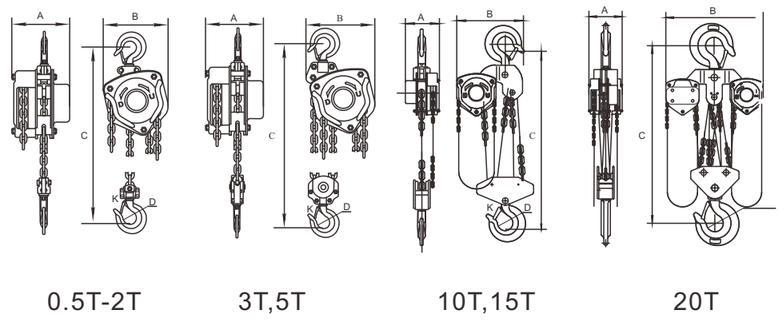


Model	Lifting Capacity kg	Power Supply	Motor Power KW	Lifitng H. m	Lifting Speed m/min.	Overall Dimension mm	QTY/CTN pcs	N.W./GW. kg
DU-160	160	1P,220V,50HZ	1.2	30	19	240x180x660	1	15/23
DU-180	180	1P,220V,50HZ	1.3	30	19	240x180x660	1	15/23
DU-230	230	1P,220V,50HZ	1.3	30	19	240x180x660	1	16/24
DU-250	250	1P,220V,50HZ	1.5	30	19	240x210x670	1	20/28
DU-280	280	1P,220V,50HZ	1.3	60	19	240x210x670	1	20/28
DU-300	300	1P,220V,50HZ	1.6	30	13	240x210x670	1	20/28
DU-360	360	1P,220V,50HZ	1.5	60	13	240x210x670	1	20/28
DU-500	500	1P,220V,50HZ	1.6	30	13	240x210x670	1	20/28

MANUAL CHAIN BLOCK, HEAVY DUTY TCSH8002
HSZ-A622



- G80 alloy steel load chain with black oxide finish for rust resistance
- Zinc plated hand chain always keeps your hands clean
- Quenched and tempered gear set provide high strength and durable wear resistance
- Automatic double pawl brake system offers double safety
- Industrial grade powder painting meet RoHS requirement
- Type tested with mini. 4 times safety factor and 1500 cycles life test,
- Meet En13157, ANSI B30.16 and AS1418 Specifications.



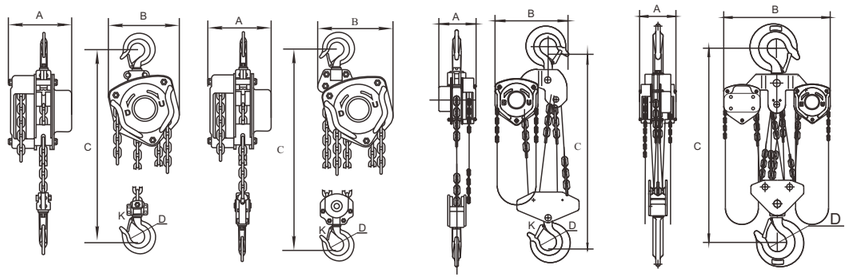
0.5T-2T 3T,5T 10T,15T 20T

Model		HSZ-0.5	HSZ-1	HSZ-1.5	HSZ-2	HSZ-3	HSZ-5	HSZ-7.5	HSZ-10	HSZ-15	HSZ-20	HSZ-30
Capacity	tons	0.5	1	1.5	2	3	5	7.5	10	15	20	30
Standard lift	m	3	3	3	3	3	3	3	3	3	3	3
Running test load	kN	7.5	15	22.5	30	45	75	112.5	150	225	300	450
Effort required to lift rated load	N	225	300	350	310	350	400	415	410	420	410x2	410x2
Diameter of load chain	MM	5	6	7.1	8	7.1	9	10	9	10	9	10
Strands of load chain		1	1	1	1	2	2	3	4	6	8	12
Dimensions	A	132	152	155	185	152	185	189	185	194	220	274
	B	152	157	180	207	207	267	380	380	400	440	649
	C	315	355	375	430	500	680	650	750	880	940	1100
	D	34	38	48	48	50	57	72	80	85	106	120
	K	27	27	36	36	38	48	47	51	58	70	80
Net weight	kg	8.5	11	14.5	17.5	20.5	36.5	44	60	102	146	246
Packing measurement	cm	24.5x19x18	26x19x19	30.5x21x19	30x24x23	34x24x19	49x29x23	47x42x23	47x42x22	97x48x23	80x70x24	80x70x37
Extra weight per meter of extra lift	kg	1.3	1.6	2.2	2.3	3.2	4.5	7.5	8.1	14	16.2	28.2

MANUAL CHAIN BLOCK, HEAVY DUTY TCSH8003
HSZ-A619



- G80 alloy steel load chain with black oxide finish for rust resistance
- Zinc plated hand chain always keeps your hands clean
- Quenched and tempered gear set provide high strength and durable wear resistance
- Automatic double pawl brake system offers double safety
- Industrial grade powder painting meet RoHS requirement
- Type tested with mini. 4 times safety factor and 1500 cycles life test
- Meet En13157, ANSI B30.16 and AS1418 Specifications.

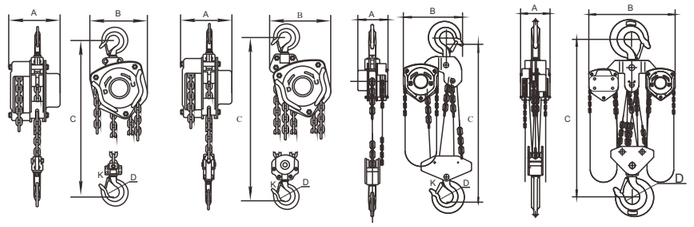


0.5T-2T 3T,5T 10T 20T

Model		HSZ-0.5	HSZ-1	HSZ-1.5	HSZ-2	HSZ-3	HSZ-5	HSZ-7.5	HSZ-10	HSZ-15	HSZ-20	HSZ-30
Capacity	tons	0.5	1	1.5	2	3	5	7.5	10	15	20	30
Standard lift	m	3	3	3	3	3	3	3	3	3	3	3
Running test load	kN	7.5	15	22.5	30	45	62.5	112.5	125	225	250	450
Effort required to lift rated load	N	231	309	320	360	340	414	415	414	420	410x2	410x2
Diameter of load chain	MM	6	6	8	8	8	10	10	10	10	10	10
Strands of load chain		1	1	1	1	2	2	3	4	6	8	12
Dimensions	A	131	140	161	161	161	186	189	207	194	215	274
	B	127	158	174	187	199	253	380	398	400	650	649
	C	270	317	399	414	465	636	650	798	880	890	1100
	D	35	35.5	45	42.5	50	64	72	85	85	110	120
	K	30	28	36	33.5	40	50	47	64	58	85	80
Net weight	kg	10	12	19	20	27	45.5	44	83	102	193	246
Packing measurement	cm	22x15x19.5	23x18x19.5	28x18x19.5	28x21x24	32x21x26	40x21x31	47x42x23	50x41x21	97x48x23	64x38x64	80x70x37
Extra weight per meter of extra lift	kg	1.8	2.4	2.4	2.4	3.8	5.4	7.5	9.8	14	19.6	28.2

MANUAL CHAIN BLOCK, HEAVY DUTY TCSH8004
HSZ-A620

- G80 alloy steel load chain with black oxide finish for rust resistance
- Zinc plated hand chain always keeps your hands clean
- Quenched and tempered gear set provide high strength and durable wear resistance
- Automatic double pawl brake system offers double safety
- Industrial grade powder painting meet RoHS requirement



0.5T-2T 3T,5T 10T,15T 20T

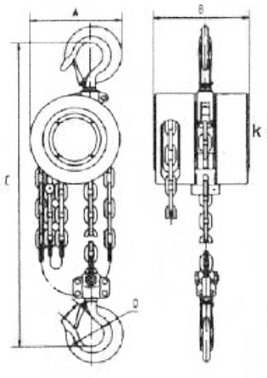


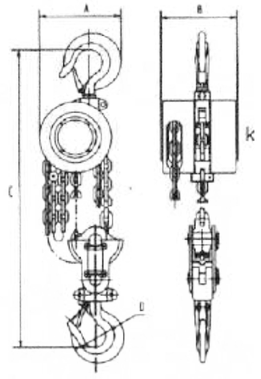
Model		HSZ-0.5	HSZ-1	HSZ-1.5	HSZ-2	HSZ-3	HSZ-5	HSZ-10	HSZ-20
Capacity	tons	0.5	1	1.5	2	3	5	10	20
Standard lift	m	2.5	2.5	2.5	3	3	3	3	3
Running test load	kN	7.5	15	22.5	30	45	75	150	300
Effort required to lift rated load	N	221	304	343	410	343	414	414	414x2
Diameter of load chain	MM	6	6	8	6	8	10	10	10
Strands of load chain		1	1	1	2	2	2	4	8
Dimensions	A	113	126	141	141	142	163	163	191
	B	125	147	183	183	183	215	404.5	595
	C	255	306	368	368	486	616	750	1000
	D	36	40	45	50	58	64	85	110
	K	30	34	38	41	48	52	64	85
Net weight	kg	8.5	11	18	18	27	42	83	193
Packing measurement	cm	25x18x13.5	25x20x15	33x25x16	33x25x16	33x27x16	43x34x19	50x41x21	64x38x64
Extra weight per meter of extra lift	kg	1.7	1.7	2.3	2.3	3.7	5.6	9.7	19.4

MANUAL CHAIN BLOCK, HEAVY DUTY TCSH8005
HSZ-B



- G80 alloy steel load chain with black oxide finish for rust resistance
- Zinc plated hand chain always keeps your hands clean
- Quenched and tempered gear set provide high strength and durable wear resistance
- Automatic double pawl brake system offers double safety
- Industrial grade powder painting meet RoHS requirement



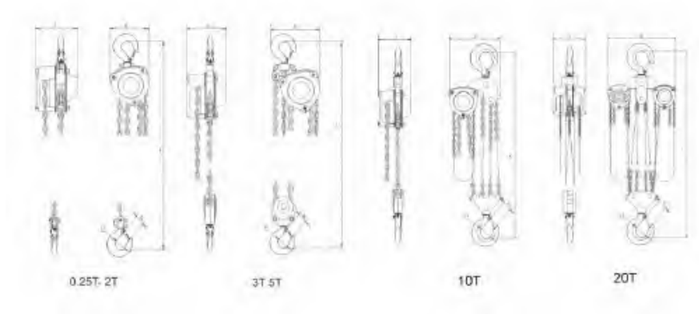


Model		HSZ-0.5	HSZ-1	HSZ-1.5	HSZ-2	HSZ-3	HSZ-5	HSZ-10	HSZ-20
Capacity	tons	0.5	1	1.5	2	3	5	10	20
Standard lift	m	2.5	2.5	2.5	3	3	3	3	3
Running test load	kN	7.5	15	22.5	30	45	75	125	250
Effort required to lift rated load	N	225	309	343	314	343	383	392	392x2
Diameter of load chain	MM	6	6	8	6	8	10	10	10
Strands of load chain		1	1	1	2	2	2	4	8
Dimensions	A	120	142	178	142	178	210	358	580
	B	108	122	139	122	139	162	162	189
	C	315	335	435	470	555	720	820	1040
	D	35	40	45	50	55	65	85	110
	K	23	26	29	34	37	41	50	80
Net weight	kg	8	10	16	14	24	36	68	155
Packing measurement	cm	28x21x17	30x24x18	34x29x20	33x25x19	38x30x20	45x35x24	62x50x28	70x46x75
Extra weight per meter of extra lift	kg	1.7	1.7	2.3	2.5	3.7	5.6	9.7	19.4

MANUAL CHAIN BLOCK, HEAVY DUTY TSCH8006
HSZ-A636

- 360° free pulling
- G80 alloy steel load chain with black oxide finish for rust resistance
- Zinc plated hand chain always keeps your hands clean
- Large throat opening hook
- Quenched and tempered gear set provide high strength and durable wear resistance
- Automatic double pawl brake system offers double safety
- Industrial grade powder painting meet RoHS requirement
- Captured bearing type side plate
- Type tested with mini. 4 times safety factor and 1500 cycles life test
- Meet En13157, ANSI B30.16 and AS1418 Specifications.





Model		HSZ-0.25	HSZ-0.5	HSZ-1	HSZ-1.5	HSZ-2	HSZ-3	HSZ-5	HSZ-10	HSZ-20
Capacity	tons	0.25	0.5	1	1.5	2	3	5	10	20
Standard lift	m	2.5	2.5	2.5	2.5	3	3	3	3	3
Proof test load	kN	3.75	7.5	15	22.5	30	45	75	150	300
Effort required to lift rated load	N	186	200	295	305	320	310	365	380	380
Diameter of load chain	MM	4x12	5x15	6x18	8x24	8x24	8x24	10x30	10x30	10x30
Strands of load chain		1	1	1	1	1	2	2	4	8
Dimensions	A	105	144	153	160	167	160	195	195	195
	B	109	145	155	185	194	205	250	365	632
	C	250	350	385	420	470	555	695	815	890
	D	32	35	44	50	52	59	69	91	110
	K	27	24	28	32	34	39	46	62	85
Net weight	kg	3.9	9.6	11	15.5	16.2	25	37	67	153
Packing measurement	cm	25x19x18	24.5x19x18	26x19x19	30.5x21x19	30x23.5x23	34x24x19	49x29x23	47x42x22	80x70x23
Extra weight per meter of extra lift	kg	0.37	1.3	1.6	2.3	2.3	3.6	5.3	9.4	19.3

MANUAL CHAIN BLOCK, STAINLESS STEEL TCSH8007
HSZ-S636



- All-Stainless-Steel Structure
- Fully Enclosed Gear Set-Protects gear set from contamination and debris, increase its service life
- Drop Forged Top Hook and Bottom Hook
- Crimping Edge Design of Side Cover
- Automatic Machine Made Lifting Chain and Hand Chain-All calibrated, in nice shape and unique dimension that can well seat in chain sprocket, no chain jamming and climbing warry.
- Precision Machined Gear Set-Provide smooth operation with minimum load lifting effort



Model		HSZ-1	HSZ-2	HSZ-3
Capacity	tons	1	2	3
Standard lift	m	2.5	3	3
Proof test load	kN	15	30	45
Effort required to lift rated load	N	284	343	372
Diameter of load chain	MM	7.1X21	7.1X21	9X27
Strands of load chain		1	2	3
Dimensions	A	175	205	189
	B	210	255	280
	C	475	548	688
	D	50	55	65
	K	35	39	45
Net weight	kg	19.5	32	41.1
Packing measurement	cm	37X20X24	37X25X24	40x26x28
Extra weight per meter of extra lift	kg	2.1	3.2	6.4

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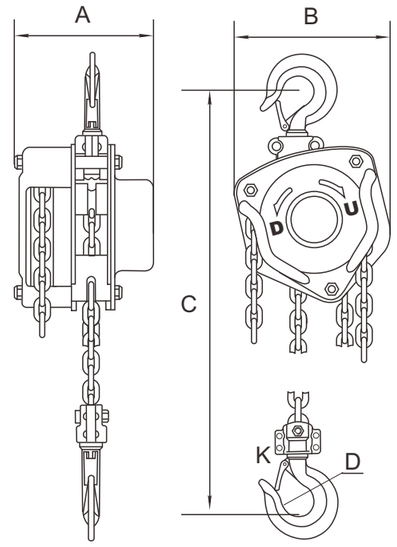
MANUAL CHAIN BLOCK, LIGHT DUTY TCSH8008
HSZ-A600

- Light duty, for lashing and tighten purpose
- Limited life cycle
- Mild steel load chain with black oxide finish
- Self color hand chain





Model		HSZ-0.5	HSZ-1	HSZ-1.5	HSZ-2	HSZ-3	HSZ-5	HSZ-10
Capacity	tons	0.5	1	1.5	2	3	5	10
Standard lift	m	2.5	2.5	2.5	3	3	3	3
Running test load	kN	5	10	15	20	30	50	100
Effort required to lift rated load	N	221	304	343	314	343	382	392
Diameter of load chain	MM	6	6	8	6	8	10	10
Strands of load chain		1	1	1	2	2	2	4
Net weight	kg	8	8	11.8	12	20	33	69
Packing measurement	cm	28x21x17	30x24x18	34x29x20	33x28x19	38x33x20	45x39x24	55x51x29
Extra weight per meter of extra lift	kg	1.7	1.7	2.3	2.3	3.7	5.3	9.7

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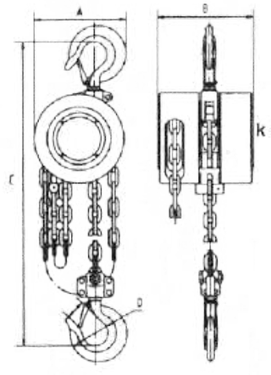
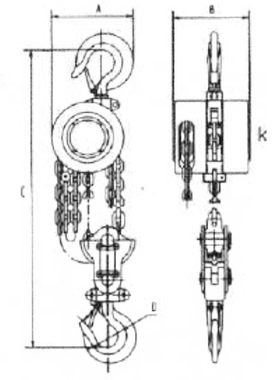
MANUAL CHAIN BLOCK, LIGHT DUTY TCSH8009
HSZ-605



- Light duty, for lashing and tighten purpose
- Limited life cycle
- Mild steel load chain with black oxide finish
- Self color hand chain





Model		HSZ-0.5	HSZ-1	HSZ-1.5	HSZ-2	HSZ-3	HSZ-5	HSZ-10
Capacity	tons	0.5	1	1.5	2	3	5	10
Standard lift	m	2.5	2.5	2.5	3	3	3	3
Running test load	kN	5	10	15	20	30	50	100
Effort required to lift rated load	N	221	304	343	314	343	382	392
Diameter of load chain	MM	6	6	8	6	8	10	10
Strands of load chain		1	1	1	2	2	2	4
Net weight	kg	8	8	11.8	12	20	33	69
Packing measurement	cm	28x21x17	30x24x18	34x29x20	33x28x19	38x33x20	45x39x24	55x51x29
Extra weight per meter of extra lift	kg	1.7	1.7	2.3	2.3	3.7	5.3	9.7

MINI LEVER HOIST, ALUMINUM TCSH8010
HSH-AL



Model		HSH-AL025
Capacity	tons	0.25
Standard lift	m	1
Proof test load	kN	3.75
Effort required to lift rated load	N	200
Diameter of load chain	MM	4x12
Strands of load chain		1
Dimensions	A	100
	B	81
	C	200
	D	160
	F	42
Net weight	kg	2.5
Packing measurement	cm	21x10x9
Extra weight per meter of extra lift	kg	0.37

MANUALLEVER HOIST, ALUMINUM TCSH8011
HSH-DL

FEATURES and ADVANTAGES

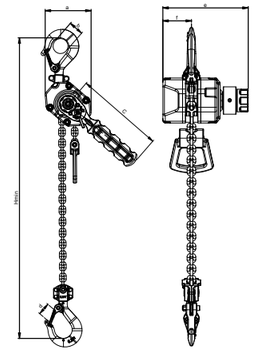
Aluminum construction with light weight

Automatic Double Pawl Braking System

Asbestos Free Friction Disc

One Step Operation for free wheel

1500 Cycles life test, Meet JBT7334, EN13157, ANSI B30.16, AS1418 Standards



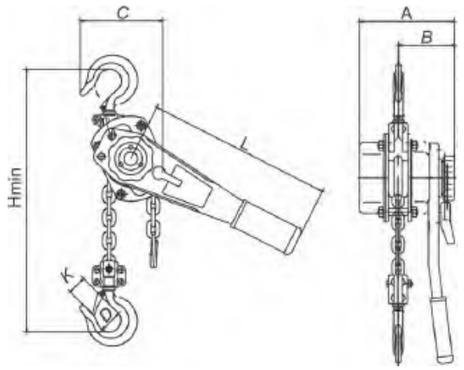


Model		HSH-DL025	HSH-DL050	HSH-DL075	HSH-DL150	HSH-DL300
Capacity	tons	0.25	0.5	0.75	1.5	3
Standard lift	m	1.5	1.5	1.5	1.5	1.5
Running test load	kN	3.75	7.5	11.2	22.5	45
Effort required to lift rated load	N	170	200	220	250	340
Diameter of load chain	MM	3x9	4x12	5.6X17	7x21	9x27
Strands of load chain		1	1	1	1	1
Dimensions	a	74	90	115	140	170
	b	24	30	35	42	48
	c	142	175	233	233	350
	hmin.	223	282	329	355	445
	d	20	25	35	35	46
	e	105	117	140	158	185
Net weight	kg	1.4	3	5	8	14.5
Packing measurement	cm	22x11x8	29x12x9	33x14x12	36x16x15	35x19x18
Extra weight per meter of extra lift	kg	0.15	0.34	0.7	1.1	1.8

MANUAL LEVER HOIST, HEAVY DUTY TCSH8012
HSH-A636



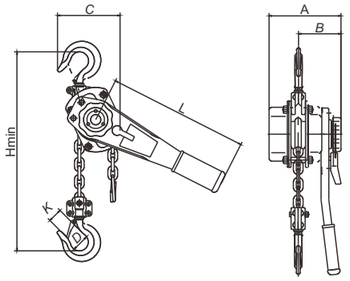
- Reinforced lever handle
- Casting hand wheel
- G80 alloy steel load chain with black oxide finish for rust resistance
- Quenched and tempered gear set provide high strength and durable wear resistance
- Automatic double pawl brake system offers double safety
- Industrial grade powder painting meet RoHS requirement
- Type tested with mini. 4 times safety factor and 1500 cycles life test
- Meet EN13157, ANSI B30.21, AS1418 Specifications.



Model		HSH636-0.75	HSH636-1	HSH636-1.5	HSH636-2	HSH636-3	HSH636-6	HSH636-9
Capacity	tons	0.75	1	1.5	2	3	6	9
Standard lift	m	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Running test load	kN	11.2	15	22.5	30	45	75	135
Effort required to lift rated load	N	140	185	220	250	320	340	360
Diameter of load chain	MM	6x18	6x18	8x24	8x24	10x30	10x30	10x30
Strands of load chain		1	1	1	1	1	2	3
Dimensions	A	148	145	184	175	195	190	195
	B	90	86	112	100	115	115	115
	C	115	134	135	150	145	242	307
	H	370	315	435	380	560	650	700
	L	310	285	415	410	415	415	415
	K	27	33	32	41	46	45.6	71
Net weight	kg	6.7	5.5	11.4	9.5	18.8	27.8	45
Packing measurement	cm	37.5x16x18	37.5x16x18	52x17x22	52x17x22	55x18.5x22.5	57x21x23	60x42x28
Extra weight per meter of extra lift	kg	0.8	0.8	1.4	1.4	2.2	4.4	6.6

MANUAL LEVER HOIST, HEAVY DUTY TCSH8013
HSH-A616

- G80 alloy steel load chain with black oxide finish for rust resistance
- Quenched and tempered gear set provide high strength and durable wear resistance
- Automatic double pawl brake system offers double safety
- Industrial grade powder painting meet RoHS requirement
- Type tested with mini. 4 times safety factor and 1500 cycles life test
- Meet En13157, ANSIB30.21 and AS1418 Specifications.



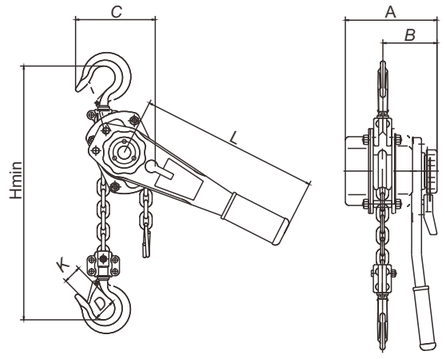


Model		HSH-7.5	HSH-15	HSH-30	HSH-60	HSH-90
Capacity	tons	0.75	1.5	3	6	9
Standard lift	m	1.5	1.5	1.5	1.5	1.5
Running test load	kN	11.2	22.5	45	75	112.5
Effort required to lift rated load	N	140	220	320	340	360
Diameter of load chain	MM	6	8	10	10	10
Strands of load chain		1	1	1	2	3
Dimensions	A	145	175	195	195	195
	B	86	100	115	115	115
	C	134	150	190	242	307
	D	38	48	50	65	81
	H	340	380	490	620	700
	L	285	410	410	410	410
	K	27	36	38	48	54
Net weight	kg	9.5	11.5	18.5	27.5	46
Packing measurement	cm	38x16x18	52x17x22	55x17x23	57x21x23	60x42x28
Extra weight per meter of extra lift	kg	0.8	1.4	2.2	4.4	6.6

MANUAL LEVER HOIST, HEAVY DUTY TCSH8014
HSH-A620



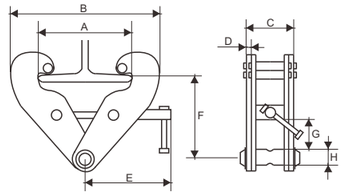
- Japan Technology
- G80 alloy steel load chain with black oxide finish for rust resistance
- Quenched and tempered gear set provide high strength and durable wear resistance
- Automatic double pawl brake system offers double safety
- Industrial grade powder painting meet RoHS requirement
- Type tested with mini. 4 times safety factor and 1500 cycles life test
- Meet ANSIB30.21, AS1418 Specifications.



Model		HSH-7.5	HSH-15	HSH-30	HSH-60	HSH-90
Capacity	tons	0.75	1.5	3	6	9
Standard lift	m	1.5	1.5	1.5	1.5	1.5
Running test load	kN	11.2	22.5	45	75	112.5
Effort required to lift rated load	N	140	230	285	385	390
Diameter of load chain	MM	6	8	10	10	10
Strands of load chain		1	1	1	2	3
Dimensions	A	153	166	195	195	195
	B	86	100	112	112	112
	C	130	150	202	242	312
	D	38	48	50	65	81
	H	295	335	450	550	660
	L	315	365	365	365	365
	K	27	36	38	48	54
Net weight	kg	7.5	9.5	16.5	27	40
Packing measurement	cm	33x18x19	46x20x21	48x22x23	51x23x23	49x33x25
Extra weight per meter of extra lift	kg	0.8	1.4	2.2	4.4	6.6

BEAM CLAMP JG TCSH9001

Easy and simple mounting
Special Clamp Jaw design applies loads away from flange edge
Fits wide range of beams and flange widths, low headroom design
Widely option for flange width

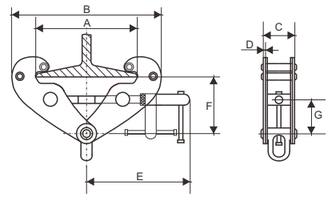




Model	Capacity kg	Flange Width mm	A Max. mm	B Min. mm	B Max. mm	C mm	D mm	E mm	F Min. mm	F Max. mm	G mm	H mm	Weight kg
JG-1	1000	75-230	278	180	370	62	5	230	100	160	30	25	4
JG-2	2000	75-230	278	180	370	67	6	230	100	160	35	28	4.4
JG-3	3000	80-320	356	230	480	100	8	260	125	210	45	32	8.6
JG-5	5000	80-320	356	230	480	110	10	260	125	210	50	38	10.7
JG-10	10000	80-320	356	255	490	115	12	270	170	240	65	43	14.5

BEAM CLAMP JG-C TCSH9002

Easy and simple mounting
Special Clamp Jaw design applies loads away from flange edge
Fits wide range of beams and flange widths, low headroom design
Widely option for flange width

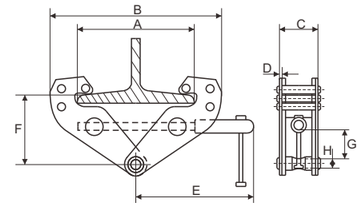




Model	Capacity kg	Flange Width mm	A Max. mm	B Min. mm	B Max. mm	C mm	D mm	E mm	F Min. mm	F Max. mm	G mm	Weight kg
JG-C-1A	1000	75-245	270	183	375	66	4	210	102	165	25	3.5
JG-C-2A	2000	75-245	270	183	375	74	6	210	102	165	25	4.5
JG-C-3A	3000	70-355	365	240	520	103	8	258	135	225	45	9.5
JG-C-5A	5000	70-355	365	240	520	111	10	258	135	225	45	11
JG-C-10A	10000	80-350	365	250	520	120	12	280	160	230	50	16

BEAM CLAMP JG-E TCSH9003

Special Clamp Jaw design applies loads away from flange edge
Three supporting shaft provides stronger clamping force
Safety factor 5:1





Model	Capacity kg	Flange Width mm	A Max. mm	B Min. mm	B Max. mm	C mm	D mm	E mm	F Min. mm	F Max. mm	G mm	Weight kg
JG-E-1A	1000	75-30	278	182	380	64	4	217	90	150	26	4.5
JG-E-2A	2000	75-230	278	182	380	76	6	217	90	150	25	5
JG-E-3A	3000	80-320	356	220	500	100	8	277	145	220	48	9.5
JG-E-5A	5000	90-320	356	220	500	112	10	277	145	220	45	11.3
JG-E-10A	10000	90-320	356	250	520	120	12	285	160	230	52	15.9

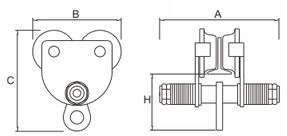
BEAM CLAMP JG-S Stainless TCSH9004



Model	Capacity kg	Flange Width mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	Weight kg
JG-S-1	1000	75-230	278	180-370	62	5	230	100-160	30	25	4
JG-S-2	2000	75-230	278	180-370	67	6	230	100-160	35	28	4.4
JG-S-3	3000	80-320	356	230-480	100	8	260	125-210	45	32	8.6

PLAIN TROLLEY GCT610 TCSH9005

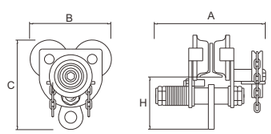




Capacity t	Flange Width mm	Min. turning radius m	Weight kg	A mm	B mm	C mm	H mm
0.5	68-94	0.9	4.3	178	176	175	135
1.0	68-100	1.0	7.5	194	203	230	145
2.0	94-124	1.1	11.5	232	228	260	165
3.0	116-140	1.3	18	261	296	308	190
5.0	140-180	1.4	30.6	333	310	350	220
10	125-180	1.7	43	346	398	445	260
20	136-203	5.0	200	420	529	575	315

GEARED TROLLEY GCL610 TCSH9006

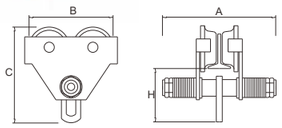




Capacity t	Flange Width mm	Min. turning radius m	Weight kg	A mm	B mm	C mm	H mm
0.5	68-94	0.9	8.3	230	176	175	135
1.0	68-100	1.0	11.5	240	203	230	145
2.0	94-124	1.1	15	275	228	260	165
3.0	116-140	1.3	22	310	296	308	190
5.0	140-180	1.4	35	370	310	350	220
10	125-180	1.7	49.5	384	398	445	260
20	136-203	5.0	205	450	529	575	315

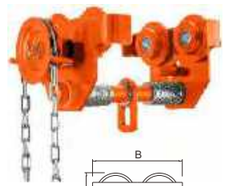
PLAIN TROLLEY GCT619 TCSH9007

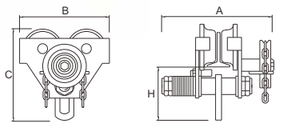




Capacity t	Flange Width mm	Min. turning radius m	Weight kg	A mm	B mm	C mm	H mm
0.5	68-126	0.9	6	208	212	190	108
1.0	80-146	1.0	9.5	246	239	214	120
2.0	80-168	1.1	14.6	280	270	248	145
3.0	88-168	1.3	24	300	319	323	200
5.0	100-170	1.4	36	316	346	357	210
10	122-203	1.7	83	343	475	400	230
20	136-203	5.0	235	475	642	622	315

PLAIN TROLLEY GCL619 TCSH9008



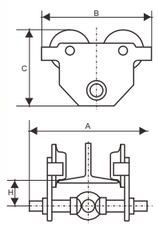


Capacity t	Flange Width mm	Min. turning radius m	Weight kg	A mm	B mm	C mm	H mm
0.5	68-126	0.9	10	280	212	190	108
1.0	80-146	1.0	13.5	280	239	214	120
2.0	80-168	1.1	19	310	270	248	145
3.0	88-168	1.3	29	365	319	323	200
5.0	100-170	1.4	40	400	346	357	210
10	122-203	1.7	90	400	475	400	230
20	136-203	5.0	215	475	798	675	300

PLAIN TROLLEY GCT620 LOW HEADROOM TCSH9009

Fast and Easy Installation and Maintenance
Quick Flange Width Adjustment
Low Headroom for Confined Space



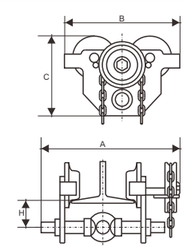


Capacity t	Flange Width mm	Min. turning radius m	A mm	B mm	C mm	H mm	Weight kg
0.5	50-220	0.9	290	212	166	67	5.5
1.0	58-220	1.0	300	238	189	74	8.7
2.0	66-220	1.1	300	277	220	92	14.6
3.0	74-220	1.3	321	330	283	119	24.5
5.0	90-220	1.4	415	346	305	126	34.5

GEARED TROLLEY GCL620 LOW HEADROOM TCSH9010

Fast and Easy Installation and Maintenance
Quick Flange Width Adjustment
Low Headroom for Confined Space





Capacity t	Flange Width mm	Min. turning radius m	A mm	B mm	C mm	H mm	Weight kg
0.5	50-220	0.9	352.5	212	166	67	9
1.0	58-220	1.0	353.5	238	189	74	12.6
2.0	66-220	1.1	355	277	220	92	18.5
3.0	74-220	1.3	400	330	283	119	30
5.0	90-220	1.4	420	346	305	126	41

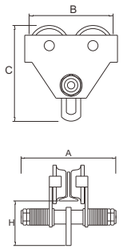
CLAMP TROLLEY GCT622 QUICK ADJUSTMENT TCSH9011



Capacity t	Flange Width mm	Min. turning radius m	A mm	B mm	C mm	D mm	Weight kg
0.5	92-180	1.0	298	203	19	150-180	5.9
1.0	62-210	1.0	355	242	22	146-183	11.3
2.0	76-210	1.1	373	281	22	153-183	17.5
3.0	76-210	1.3	360	328	24	161-202	26
5.0	100-305	1.4	470	377	28	223-269	46.3

PLAIN TROLLEY GCT-SB STAINLESS TCSH9012





Capacity t	Flange Width mm	Min. turning radius m	A mm	B mm	C mm	H mm	Weight kg
1.0	80-146	1.0	246	239	214	120	9.5
2.0	80-168	1.1	280	270	248	145	14.6
3.0	88-168	1.3	300	319	323	200	24
5.0	100-170	1.4	316	346	357	210	36
10	122-203	1.7	343	475	400	230	83

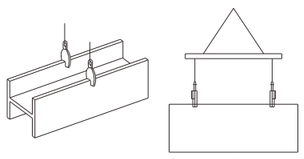
! NOTE:
- Do not exceed the working load limit.
- Do not use plate clamps to lift load less than 20% of the rated capacity.
- Lift only one plate at a time.
- Plate must be clean and free of oil.
- Not designed to use on stainless steel or aluminum plated.
- For use with materials with a surface hardness to 30 RC(300HB)

VERTICAL LIFTING CLAMPS JCD TCSH9013



- Japan model
- Suitable for vertical lifting of steel plates and steel structures
- Capacity: 0.8-20T
- Made of high-quality low-carbon alloy steel
- It is fitted with a locking device for both open and closed positions,
- which ensures complete safety
  High-frequency quenching of die-forged special alloy steels
- enhance the strength and durability of the tooth plate
  The working load is the capacity of one piece. It may be used
- singly or pairs of clamp used together
  Do not crash the lifted cargos during the lifting and transfer period.

Model	Working Load kg	Test Load kg	Opening Size mm	Net Weight kg
JCD-0.8	800	1600	0-16	2.8
JCD-1.6	1000	2000	0-22	4.2
JCD-2.0	2000	4000	0-25	5.5
JCD-3.2	3200	6400	0-35	9.5
JCD-5.0	5000	10000	0-50	16
JCD-8.0	8000	16000	0-60	23
JCD-10	10000	15000	0-80	33
JCD-12	12000	18000	20-90	37
JCD-16	16000	21000	40-100	46
JCD-20	20000	30000	60-120	76

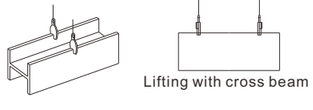


Lifting with cross beam

VERTICAL LIFTING CLAMPS JCDF TCSH9014



- Japan model
- Suitable for vertical lifting of steel plates and steel structures
- Capacity: 0.8-20T
- Made of high-quality low-carbon alloy steel
- It is fitted with a locking device for both open and closed positions,
- which ensures complete safety
  High-frequency quenching of die-forged special alloy steels
- enhance the strength and durability of the tooth plate
  The working load is the capacity of one piece. It may be used
- singly or pairs of clamp used together
  Do not crash the lifted cargos during the lifting and transfer period.

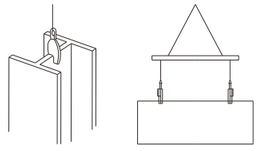


Lifting with cross beam

Model	Working Load kg	Test Load kg	Opening Size mm	Net Weight kg
JCDF-1.0	1000	2000	0-20	4.0
JCDF-2.0	2000	4000	0-30	6.0
JCDF-3.0	3000	6000	0-35	10
JCDF-5.0	5000	10000	0-50	17

VERTICAL LIFTING CLAMPS ECD TCSH9015





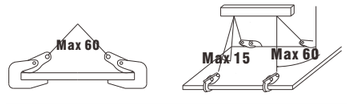
Lifting with cross beam
加横梁吊装

- Japan model
- Suitable for vertical lifting of steel plates and steel structures
- Capacity: 0.8-30T
- Made of high-quality low-carbon alloy steel
- It is fitted with a locking device for both open and closed positions,
- which ensures complete safety
  High-frequency quenching of die-forged special alloy steels
- enhance the strength and durability of the tooth plate
  The working load is the capacity of one piece. It may be used
- singly or pairs of clamp used together
  Do not crash the lifted cargos during the lifting and transfer period.

Model	Working Load kg	Test Load kg	Opening Size mm	Net Weight kg
ECD-0.8	800	1600	0-15	2.4
ECD-1.6	1000	3200	0-20	5.0
ECD-2.0	2000	4000	0-25	8.0
ECD-3.2	3200	6400	0-25	13
ECD-5.0	5000	10000	0-30	18.5
ECD-8.0	8000	16000	0-45	29.6
ECD-12	12000	24000	50-90	54
ECD-16	16000	32000	60-100	59.5
ECD-20	20000	40000	80-150	145
ECD-30	30000	60000	80-150	148

HORIZONTAL LIFTING CLAMPS PPD TCSH9016





- Europe model
- Suitable for lifting and horizontal transfer of steel plates and steel structures
- Capacity: 0.8-16T
- Made of high-quality low-carbon alloy steel
- The working load limit is the maximum load when the clamp are used in pairs with a lift angle of 60°. In lifting operation should be used in pairs or multiples

Model	Working Load/Pair kg	Test Load kg	Opening Size mm	Net Weight kg
PPD-0.8	800	1600	0-25	2.5
PPD-1.0	1000	2000	0-30	3.5
PPD-1.6	1600	3200	0-30	4.0
PPD-2.0	2000	4000	0-40	5.0
PPD-3.2	3200	6400	0-45	6.0
PPD-4.0	4000	8000	0-50	6.5
PPD-5.0	5000	10000	0-55	7.5
PPD-6.0	6000	12000	0-130	22
PPD-8.0	8000	12000	0-100	25
PPD-10	10000	15000	0-125	33
PPD-16	16000	24000	0-150	52

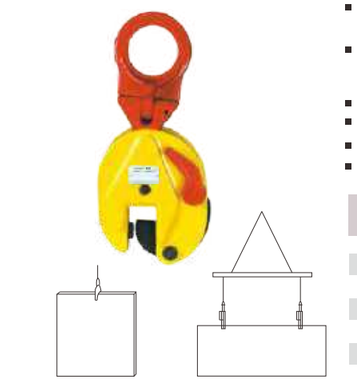
HORIZONTAL LIFTING CLAMPS YPC TCSH9017



- Europe model
- Suitable for lifting and horizontal transfer of steel plates and steel structures
- Made of high-quality low-carbon alloy steel
- Pairs of clamp should be used together
- Do not crash the lifted cargos during the lifting and transfer period

Model	Working Load/Pair kg	Test Load kg	Opening Size mm	Net Weight kg
YPC1.5	1500	3000	0-50	4.3
YPC3.0	3000	6000	0-50	6.0
YPC5.0	5000	10000	0-60	12

VERTICAL LIFTING CLAMPS CDK TCSH9018



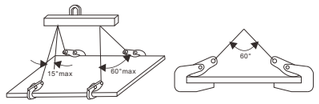
Vertical lifting of steel plate Lifting with cross beam

- Suitable for lifting and transfer of steel plates and steel structures with all positions (horizontal, vertical and sidelong)
- It is fitted with a locking device for both open and closed positions, which ensures complete safety
- It is fitted with a hoisting ring
- Made of high-quality low-carbon alloy steel
- It may be used singly or pairs of clamp used together
- Do not crash the lifted cargos during the lifting and transfer period

Model	Working Load kg	Test Load kg	Opening Size mm	Net Weight kg
CDK-0.8	800	1600	15-30	2
CDK-1.6	1600	3200	20-40	7
CDK-3.2	3200	6400	25-50	15
CDK-4.5	4500	9000	25-50	15
CDK-5.0	5000	10000	30-60	23

HORIZONTAL LIFTING CLAMPS L TCSH9019





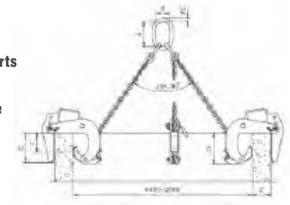
- Suitable for horizontal lifting and transfer of steel plates and steel structures
- Made of high-quality low-carbon alloy steel
- The working load limit is the maximum load when the clamp are used in pairs with a lift angle of 60°. In lifting operation should be used in pairs or multiples
- Do not crash the lifted cargos during the lifting and transfer period

Model	Working Load/Pair kg	Test Load kg	Opening Size mm	Net Weight kg
L-0.8	800	1600	0-15	2.0
L-1.0	1000	2000	0-20	4.0
L-1.6	1600	3200	0-25	6.5
L-2.5	2500	5000	0-30	11
L-2.5A	2500	5000	25-50	11
L-3.2	3200	6400	0-40	12.5
L-3.2A	3200	6400	30-60	12.5
L-5.0	5000	10000	0-50	20
L-5.0A	5000	10000	50-80	20

CONCRETE PIPE LIFTING CLAMP TLG TCSH9020



- Suitable for vertical lifting transport of concrete pipes and culverts
- One pair, pairs or group of clamp used together
- Lifting gear for concrete pipe to diameter of 3000mm is available



Model	Working Load/PCS kg	Test Load kg	Opening Size mm	Net Weight kg
TLG1.5/120	1500	165	40-120	10
TLG3.0/120	3000	245	40-120	18
TLG3.0/180	3000	245	50-180	24

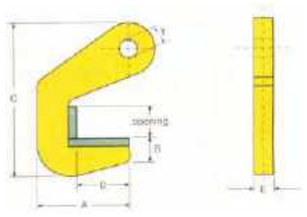
LIFTING CLAMPS TPH TCSH9021



WITH SURFACE PROTECT



- Europe model
- Suitable for horizontal lifting and transfer of steel and concrete pipes
- Capacity: 1.5-16T
- Compact shape and relatively low weight with a high lifting capacity
- The working load is the capacity of one pair. Pairs of clamp should be used together
- Do not crash the lifted cargos during the lifting and transfer period
  The connecting shackle is available at extra cost



Model	Working load/pair kg	Opening Size mm	Dimension mm A	B	C	D	E	T	Net Weight kg	Shackle G2130
TPH1.5	1500	40	120	32	195	75	36	25	2.2	6.5t
TPH3.0	3000	40	120	32	195	75	40	25	2.5	8.5t
TPH4.0	4000	50	120	32	205	75	40	29	3.0	8.5t
TPH6.0	6000	50	120	32	205	75	44	29	3.3	9.5t
TPH8.0	8000	70	120	32	255	75	44	29	4.5	9.5t
TPH16.0	16000	70	145	32	300	75	52	40	11	17t

JERRICAN CLAMPS YQC TCSH9022



- Suitable for lifting and transfer of steel drum
- It is a light-weight clamp which may be used single-handedly or several clamps



Model	Working Load kg	Test Load kg	Opening Size mm	Net Weight kg
YQC-0.6	600	1200	0-300	5.0

CLAMPS FOR PLASTIC DRUM PQC TCSH9023



- Suitable for lifting and transfer of plastic drum
- It is a light-weight clamp which may be used singly or several clamps



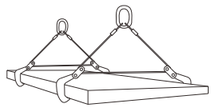
Model	Working Load kg	Test Load kg	Opening Size mm	Net Weight kg
PQC-0.45	450	900	450-600	6.0

TROLLEY & CLAMP

DOUBLE STEEL PLATE LIFTING CLAMPS QS TCSH9024



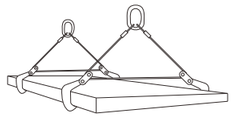
- Suitable for horizontal lifting of “H”, “I” “T” “L” shaped steel structures
- Made of high-quality low-carbon alloy steel
- Upper roller design to avoid wire rope damage
- It's easy for the narrow space with sharp triangle
- One pair, pairs or group of clamp used together





Model	Working Load/Pair kg	Test Load kg	Opening Size mm	Net Weight kg
QS-1.0	1000	2000	0-40	2.0
QS-2.0	2000	2000	0-50	3.5
QS-3.2	3200	6400	0-60	6.0
QS-5.0	5000	10000	0-70	14.5
QS-7.0	7000	14000	0-90	22
QS-10	10000	20000	0-120	32

SINGLE STEEL PLATE LIFTING CLAMPS PDQ TCSH9025

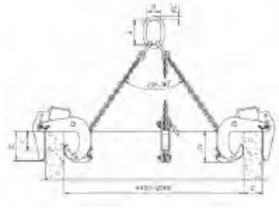




- Suitable for lifting and transport single or multi steel plates
- Made of high-quality low-carbon alloy steel
- Pairs or group of clamp used together
- For horizontal lifting, it should be fitted with balance beam.

Model	Working Load/Pair kg	Test Load kg	Opening Size mm	Net Weight kg
PDQ-1.0	1000	2000	0-50	3.0
PDQ-2.0	2000	4000	0-60	5.0
PDQ-3.2	3200	6400	0-90	12
PDQ-5.0A	5000	10000	0-120	17
PDQ-5.0B	5000	10000	0-150	17
PDQ-5.0C	5000	10000	0-220	17
PDQ-6.0	6000	12000	0-240	20
PQD-8.0A	8000	14000	0-130	25
PDQ-8.0B	8000	14000	0-240	28

CONCRETE PIPE LIFTING CLAMP TBCT TCSH9026



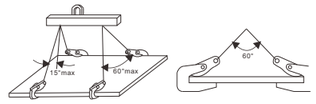


- Suitable for vertical lifting and transporting of concrete pipes and wells
- TBC clamps must always be used in pairs or per three clamps
- Higher capacities or other jaw opening upon request

Model	Working Load/PCS kg	Test Load kg	Opening Size mm	Net Weight kg
TBCT-1	1000	2000	60-120	10

HORIZONTAL LIFTING CLAMPS LA TCSH9027



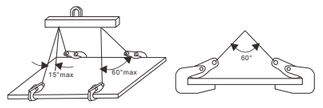


- Suitable for horizontal lifting and transfer of steel plates and steel structures
- Made of high-quality low-carbon alloy steel
- The working load limit is the maximum load when the clamp are used in pairs with a lift angle of 60°. In lifting operation should be used in pairs or multiples
  Do not crash the lifted cargos during the lifting and transfer period

Model	Working Load/Pair kg	Test Load kg	Opening Size mm	Net Weight kg
LA-2.0	2000	4000	0-50	5.5
LA-3.2	3200	6400	0-60	8.0
LA-5.0	5000	10000	10-80	11.5
LA-6.0	6000	12000	10-100	14.5

HORIZONTAL LIFTING CLAMPS LB TCSH9028

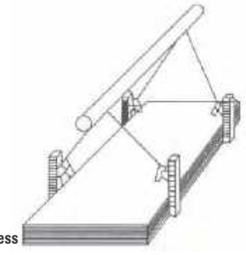




- Suitable for horizontal lifting and transfer of steel plates and steel
- structures
  Made of high-quality low-carbon alloy steel
- The working load limit is the maximum load when the clamp are used in pairs with a lift angle of 60°. In lifting operation should be used in
- pairs or multiples
  Do not crash the lifted cargos during the lifting and transfer period

Model	Working Load/Pair kg	Test Load kg	Opening Size mm	Net Weight kg
LB-2.0	2000	4000	0-25	5.0
LB-3.2	3200	6400	0-40	6.5
LB-5.0	5000	10000	0-50	12.0
LB-8.0	8000	16000	0-60	18.0

MULTI STEEL PLATE LIFTING CLAMPS PDK TCSH9029





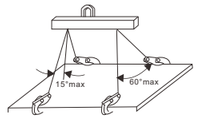
- Suitable for lifting and transport of multi steel plates
- Made of high-quality low-carbon alloy steel
- The position of the tongue will be adjusted according to the thickness
- of the lifting steel
  For horizontal lifting, it should be fitted with balance beam

Model	Working Load/Pair kg	Test Load kg	Opening Size mm	Net Weight kg
PDK-3.0	1500	3000	0-180	19
PDK-4.5	2250	4500	0-240	26
PDK-5.0	2500	5000	0-240	29
PDK-8.0	4000	8000	0-240	50
PDK-15	7500	15000	0-240	72

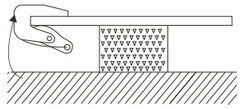
TURNING LIFTING CLAMPS DFQ TCSH9030



- Suitable for horizontal lifting of steel plates
- Suitable for turning of H-steel
- It is a light-weight clamp which may be used single-handedly or several clamps
- For horizontal lifting, it should be fitted with crossbeam.







Model	Working Load/PCS kg	Test Load kg	Opening Size mm	Net Weight kg
DFQ-1.5	1500	3000	0-20	5.0
DFQ-2.5	2500	5000	0-30	8.0
DFQ-5.0	5000	10000	0-40	17
DFQ-8.0	8000	16000	0-50	22
DFQ-10	10000	20000	0-60	31

TURNTABLE SMALL TANK TK TCSH9031



- Suitable for conveying and rotating of goods
- Made of high-quality low-carbon alloy steel
- Duration oiled metal wheels with polyurethane cover
- Two pairs of clamp should be used together
- Moving road should be smooth floor

Model	Quantity of wheel	Capacity/4pcs kg	Testing load kg	Net Weight kg
TK-6	4	6000	12000	15
TK-8	6	8000	16000	22
TK-12	8	12000	24000	29
TK-18	12	18000	36000	43

DRUM LIFTER TCSH9032



Up-right Lifting	Side angle Lifting	Dump	Double Leg
			

Capacity kg	Chain Size mm	Lifting height mm	Net Weight kg
1000	6x18	500	3.6

COMMERCIAL SNATCH BLOCK HQGK TCSH9033



Single Wheel Hook Type

Model	Rated Capacity t	Test Load kn	Sheave Dia mm	For Wire Dia mm	Weight kg
HQGK1-0.5	0.5	8	71	6.2-7.7	1.6
HQGK1-1	1.0	16	85	7.7-11	3.1
HQGK1-2	2.0	32	112	11-14	6.1
HQGK1-3.2	3.2	51.2	132	12.5-15.5	10
HQGK1-5	5.0	80	160	15.5-18.5	17
HQGK1-8	8.0	128	210	20-23	33
HQGK1-10	10	160	240	23-24.5	43
HQGK1-16	16	224	315	28-31	100
HQGK1-16	16	224	315	28-31	100
HQGK1-20	20	280	355	31-35	133

Double Wheel Hook Type



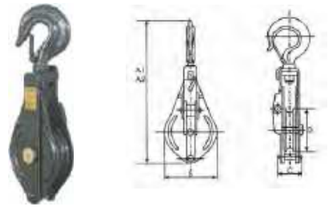
Model	Rated Capacity t	Test Load kn	Sheave Dia mm	For Wire Dia mm	Weight kg
HQGK2-1	1.0	16	71	6.2-7.7	3.3
HQGK2-2	2.0	32	85	7.7-11	6.5
HQGK2-3.2	3.2	51.2	112	11-14	11
HQGK2-5	5.0	80	132	12.5-15.5	18.5
HQGK2-8	8.0	128	160	15.5-18.5	40
HQGK2-10	10	160	210	20-23	47
HQGK2-16	16	224	240	23-24.5	75
HQGK2-20	20	280	315	28-31	125
HQGK2-32	32	448	355	31-35	200

Triple Wheel Hook Type



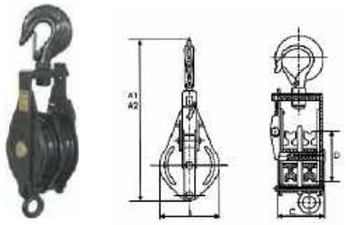
Model	Rated Capacity t	Test Load kn	Sheave Dia mm	For Wire Dia mm	Weight kg
HQGK3-3.2	3.2	51.2	85	7.7-11	10
HQGK3-5	5.0	80	112	11-14	17.5
HQGK3-8	8.0	128	132	12.5-15.5	33
HQGK3-10	10	160	160	15.5-18.5	53
HQGK3-16	16	224	210	20-23	70
HQGK3-20	20	280	240	23-24.5	125
HQGK3-32	32	448	315	28-31	140
HQGK3-50	50	700	355	31-35	300

SNATCH BLOCK DY TCSH9034



Single Wheel

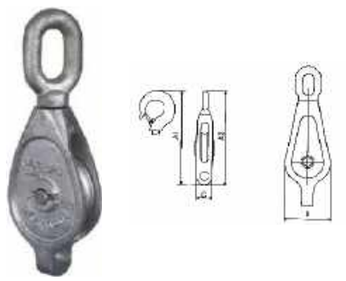
Type Hook	Eye	S.W.L t	Sheave Dia mm	Dimension Hook A1	Eye A2 mm	B	C	For Wire Dia mm	Weight kg
75DYx1S	75DYx1SO	0.5	75	268	227	87	50	8	1.5
100DYx1S	100DYx1SO	1.0	100	311.5	284.5	112	55.5	10	2.6
125DYx1S	125DYx1SO	1.5	125	370	344	140	63.5	13	4.8
150DYx1S	150DYxlSO	2.0	150	442.5	417	168	101	16	7.4
180DYx1S	150DYx1SO	3.0	180	495	478	204	107	19	11.9
200DYx1S	200DYx1SO	4.0	200	590.5	556	226	128	22	20.4
250DYx1S	250DYx1SO	5.0	250	406.5	651	276	147	25	33
300DYx1S	300DYx1SO	6.0	300	795	775	330	162	26	48
350DYx1S	350DYx1SO	10	350	934	898	395	178	28	66



Double Wheel

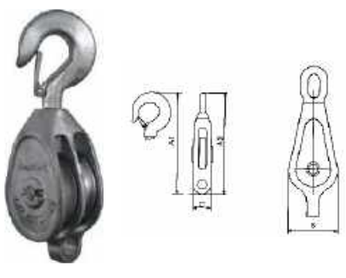
Type Hook	Eye	S.W.L t	Sheave Dia mm	Dimension Hook A1	Eye A2 mm	B	C	For Wire Dia mm	Weight kg
75DYx2S	75DYx2SO	0.5	75	268	227	87	77	8	2.8
100DYx2S	100DYx2SO	1.0	100	311.5	284.5	112	88	10	4.3
125DYx2S	125DYx2SO	1.5	125	370	344	140	100	13	7.8
150DYx2S	150DYx2SO	2.0	150	442.5	417	168	146	16	12.2
180DYx2S	150DYx2SO	3.0	180	495	478	204	157	19	18.5
200DYx2S	200DYx2SO	4.0	200	590.5	556	226	188	22	31
250DYx2S	250DYx2SO	5.0	250	406.5	651	276	220	25	49.8
300DYx2S	300DYx2SO	6.0	300	795	775	330	238	26	72
350DYx2S	350DYx2SO	10	350	934	898	395	260	28	102

HOT DIP GALVANIZED M.I. BLOCK TCSH9035



Single Wheel

Type Hook	Eye	S.W.L kN/t	Hook A1	Dimension Eye A2 mm	B	C	For Wire Dia mm	Weight kg
3"x1		2/0.2	203	164	57	39	12	0.9
4"x1		4/0.4	262	232	76	45	16	1.2
5"x1		5/0.5	278	270	92	49	18	2
6"x1		10/1	346	340	112	60	24	3.5
7"x1		11/1.1	388	350	112	64	28	5.1
8"x1		13/1.3	415	390	163	68	30	7.6
9"x1		15/1.5	450	420	180	75	32	11.4
10"x1		18/1.8	492	460	200	75	34	13.4



Double Wheel

Type Hook	Eye	S.W.L kN/t	Hook A1	Dimension Eye A2 mm	B	C	For Wire Dia mm	Weight kg
3"x2		4/0.4	203	164	60	62	12	0.9
4"x2		9/0.9	262	232	76	70	16	2.1
5"x2		11/1.1	278	270	92	74	18	3
6"x2		20/2	346	340	112	102	24	6.2
7"x2		23/2.3	388	350	128	101	28	7.6
8"x2		26/2.6	415	390	163	111	30	11.3
9"x2		30/3	450	420	180	123	32	16.8
10"x2		30/3	492	460	200	117	34	19.3

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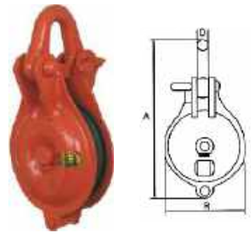
MARINE EYE WIRE BLOCK YB TCSH9036



Single Wheel

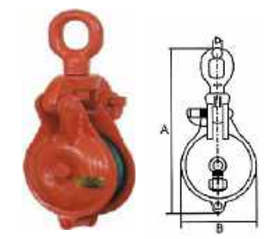
Type	S.W.L t	Sheave Dia mm	A	Dimension B	C mm	D	For Wire Dia mm	Weight kg
YB75x1	0.5	75	178	85	26	12	8	1.1
YB100x1	1	100	235	121	34	16	8	1.8
YB125x1	1.5	125	305	145	38	18	9	3.5
YB150x1	2	150	350	180	41	22	12	5.1
YB200x1	4	200	425	225	46	28	16	11.5
YB250x1	5	250	495	275	60	28	22	17



Double Wheel

Type	S.W.L t	Sheave Dia mm	A	Dimension B	C mm	D	For Wire Dia mm	Weight kg
YB75x2	0.5	75	178	85	50	12	8	1.8
YB100x2	1	100	235	121	61	16	8	2.8
YB125x2	1.5	125	305	145	73	18	9	5.5
YB150x2	2	150	350	180	83	22	12	8.5
YB200x2	4	200	425	225	93	28	16	16.5
YB250x2	5	250	495	275	115	28	22	25.5

MARINE EYE WIRE BLOCK YBO TCSH9037



Single Wheel

Type	S.W.L t	Sheave Dia mm	A	Dimension B	C mm	D	For Wire Dia mm	Weight kg
YBO75x1	0.5	75	230	85	26	12	8	1.5
YBO100x1	1	100	285	121	34	16	8	1.9
YBO125x1	1.5	125	346	145	38	18	9	3.6
YBO150x1	2	150	419	180	41	22	12	6
YBO200x1	4	200	517	225	46	28	16	12.5
YBO250x1	5	250	655	275	60	28	22	16



Double Wheel

Type	S.W.L t	Sheave Dia mm	A	Dimension B	C mm	D	For Wire Dia mm	Weight kg
YBO75x2	0.5	75	230	85	50	12	8	2.1
YBO100x2	1	100	285	121	61	16	8	3.0
YBO125x2	1.5	125	355	145	73	18	9	5.9
YBO150x2	2	150	365	180	83	22	12	9.0
YBO200x2	4	200	517	225	93	28	16	17.5
YBO250x2	5	250	600	275	115	28	22	28.6

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HEAVY DUTY SNATCH BLOCK LH TCSH9038

Hook Type

Model	S.W.L t	Sheave Dia mm	Dimension A2	Dimension B mm	Dimension C	For Wire Dia mm	Weight kg
LH3"x1	2	75	292	82	70	7-9	4
LH4 1/2"x1	4	115	358	120	70	10-12	6.1
LH6"x1	4	150	412	160	70	16-18	13.8
LH6"x1	8	150	495	160	93	20-22	14.4
LH8"x1	8	200	549	210	93	20-22	16
LH8"x1	15	200	672	230	102	22-24	25
LH10"x1	10	250	695	260	115	24-26	37.5
LH10"x1	12	250	701	260	115	24-26	42
LH12"x1	12	300	797	310	133	24-26	56
LH12"x1	15	300	797	310	133	26-28	65
LH14"x1	22	355	960	365	140	28-32	90
LH16"x1	22	400	1027	415	140	28-32	108
LH16"x1	30	400	1085	415	155	32-35	135
LH20"x1	30	500	1177	514	162	32-35	210
LH24"x1	50	600	1445	625	240	46-50	408



HEAVY DUTY SNATCH BLOCK LS TCSH9039

Shackle Type

Model	S.W.L t	Sheave Dia mm	Dimension A2	Dimension B mm	Dimension C	For Wire Dia mm	Weight kg
LS3"x1	2	75	286	82	70	7-9	4
LS4 1/2"x1	4	115	345	120	70	10-12	6.1
LS6"x1	4	150	399	160	70	16-18	13.8
LS6"x1	8	150	475	160	93	20-22	14.4
LS8"x1	8	200	528	210	93	20-22	16
LS8"x1	15	200	663	230	102	22-24	24
LS10"x1	10	250	679	260	115	24-26	37.5
LS10"x1	12	250	679	260	115	24-26	42
LS12"x1	12	300	767	310	133	24-26	56
LS12"x1	15	300	884	310	133	26-28	65
LS14"x1	22	355	952	365	140	28-32	90
LS16"x1	22	400	1019	415	140	28-32	108
LS16"x1	30	400	1126	415	155	32-35	135
LS20"x1	30	500	1256	514	162	32-35	208
LS24"x1	50	600	1525	625	240	46-50	418



LIGHT TYPE CHAMPION SNATCH BLOCK SJR TCSH9040



Model	S.W.L kg	Sheave Dia in	For Wire Dia in	Hook Type Weight kg	Shackle Type Weight kg
SJR1803	2000	3	3/8	2.3	2.2
SJR1805	4000	4 1/2	1/2	5.7	5.7
SJR1806	8000	6	3/4	11.5	12.5
SJR1808	8000	8	3/4	15.7	16.7
SJR1810	8000	10	3/4	21.9	22
SJR1812	8000	12	3/4	30	29.5
SJR1814	8000	14	3/4	36	35.6
SJR1816	15000	16	7/8	99	102
SJR1818	15000	18	1	112.5	118

HAND PULLER QSS TCSH9041





Description	Model	Rated Pull kN	Cable Size Dia.(mm)	Cable Size Length(mm)	Effective Distance mm	Surface	QTY/CTN pcs	Weight kg	Packing cm
1T 2- hook & single wheel puller	QSS1TA1	4.9	Φ4.5	1.8	0.5	Galvanized	6	14	56x21x24
1T 2-hook & double wheel puller	QSS1TA2	4.9	Φ4.5	1.8	0.5	Galvanized	6	15	56x21x24
1.5T 2-hook & single wheel puller	QSS1.5TA1	7.4	Φ4.5	2.2	0.7	Galvanized	6	16.5	58x25x22
1.5T 2-hook & double wheel puller	QSS1.5TA2	7.4	Φ4.5	2.2	0.7	Galvanized	6	18	58x25x22
2T 2-hook & single wheel puller	QSS2TA1	9.8	Φ4.8	3.0	1.1	Galvanized	6	19.5	61x26x22
2T 2-hook & double wheel puller	QSS2TA2	9.8	Φ4.8	3.0	1.1	Galvanized	6	21	61x26x22
2T top grade 2-hook & double wheel puller	QSS2TC2	14.7	Φ5.1	3.0	1.1	Chromed	6	21	61x26x22
2T top grade robbon of 2-hook & double wheel puller	QSS2TE2	14.7	Φ5.1	4.5	2.1	Chromed	6	21	61x26x22
3T 2-hook & single wheel puller	QSS3TA1	14.7	Φ5.1	3.3	1.2	Galvanized	4	19	71x21x27
3T 2-hook & double wheel puller	QSS3TA2	14.7	Φ5.1	3.3	1.2	Galvanized	4	20	71x21x27
3T 3-hook & single wheel puller	QSS3TB1	14.7	Φ5.1	3.3	2.4	Galvanized	4	20	71x21x27
3T 3-hook & double wheel puller	QSS3TB2	14.7	Φ5.1	3.3	2.4	Galvanized	4	21	71x21x27
4T easy model of 2-hook&single wheel puller	QSS4TA1E	19.6	Φ5.5	3.3	1.2	Galvanized	4	21	71x21x27
4T easy model of 2-hook&double wheel puller	QSS4TA2E	19.6	Φ5.5	3.3	1.2	Galvanized	4	22	71x21x27
4T easy model of 3-hook&single wheel puller	QSS4TB1E	19.6	Φ5.5	3.3	2.4	Galvanized	4	22.5	71x21x27
4T easy model of 3-hook&double wheel puller	QSS4TB2E	19.6	Φ5.5	3.3	2.4	Galvanized	4	23.5	71x21x27
4T top grade of 2-hook&single wheel puller	QSS4TA1	19.6	Φ6	3.6	1.35	Chromed	2	12	74x23x15
4T top grade of 2-hook&double wheel puller (Al-alloy)	QSS4TC2	19.6	Φ6	3.6	1.35	Chromed	2	13	74x23x15
4T top grade of 3-hook&double wheel puller (Al-alloy)	QSS4TD2	19.6	Φ6	3.6	2.7	Chromed	2	13.5	74x23x15

WIRE ROPE WINCH ZNL TCSH9042



Model		ZNL0.8	ZNL1.6	ZNL3.2	ZNL5.4
Rated Capacity	ton	0.8	1.6	3.2	5.4
Pulling Capacity	ton	1.2	2.4	4.8	8.1
Rated Forward Travel	mm	>=52	>=55	>=28	>=25
Efficient length of Forward Handle	mm	825	1200	1200	1200
Drive Step		1	1	2	2
Rope Diameter	mm	8.3	11	16	20
Standard Length of Rope	m	20	20	20	20
Net Weight	kg	16	24	32	90
Rated Forward Hand Power	N	<=341	<=400	<=438	<=550
Max.Overall Size	mm	426x64x238	545x97x284	660x98x325	930x390x150

HAND WINCH PD TCSH9043



Hand winch without steel wire rope or colour belt

Model	Capacity Rating (lbs/kg)	Gear Ratio	Handle Length (mm)	Hub Size (mm)	Size of wire rope (mm)	Size of color belt (mm)	Qty./ctn (pcs)	G.W/N.W (kg)	Dimension (cm)
Pd06	600/250	3.1:1	165	ø16	ø4.2	1. 0x50	6	13/11	59x26x16
PD08	800/350	3.1:1	175	ø16	ø4. 2	1.5x50	6	14.5/12.5	59x26x16
PD10	1000/450	4.1:1	200	ø18	ø4. 5	1.5x50	6	18/16	66x27x19
PD12	1200/540	4.1:1	225	ø18	ø4. 5	1.4x50	6	18.5/16.5	66x27x19
PD14	1400/620	4.57:1	225	ø18	ø4. 5	1.6x50	6	19/17	67x27x19
PD16	1600/720	5.1:1	225	ø20	ø4. 8	1.6x50	4	15/13	46x31x20
PD18	1800/800	4.1:1&9.8:1	250	ø20	ø4. 8	1.8x50	4	18/16	52x31x20
PD20	2000/900	4.1:1&9.8:1	250	ø20	ø5	1.8x50	4	19/17	52x31x20
PD20B	2000/900	4.1:1&9.8:1	250	ø42	ø5	1.8x50	4	21/18	52x31x20
PD25	2500/1100	4.1:1&9.8:1	275	ø42	ø5	2.0x50	4	22/20	54x31x22

Hand winch with steel wire rope

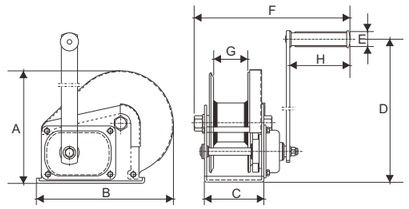
Model	Capacity Rating (lbs/kg)	Gear Ratio	Handle Length (mm)	Hub Size (mm)	Size of wire rope (mmxm)	Qty./ctn (pcs)	G.W/N.W (kg)	Dimension (cm)
PD06A	600/250	3.1:1	165	ø16	ø4.2x8	6	15/13	59x26x16
PD08A	800/350	3.1:1	175	ø16	ø4. 2x8	6	17/15	59x26x16
PD10A	1000/450	4.1:1	200	ø18	ø4. 5x10	6	20.5/18.5	66x27x19
PD12A	1200/540	4.1:1	225	ø18	ø4. 5x10	6	21/20	66x27x19
PD14A	1400/620	4.57:1	225	ø18	ø4. 5x10	6	21.5/19.5	67x27x19
PD16A	1600/720	5.1:1	225	ø20	ø4. 8x10	4	18.5/16.5	46x31x20
PD18A	1800/800	4.1:1&9.8:1	250	ø20	ø4. 8x10	4	21.5/19.5	52x31x20
PD20A	2000/900	4.1:1&9.8:1	250	ø20	ø5x10	4	22.5/20.5	52x31x20
PD20BA	2000/900	4.1:1&9.8:1	250	ø42	ø5x10	4	23.5/21.5	52x31x20
PD25A	2500/1100	4.1:1&9.8:1	275	ø42	ø5x10	4	25/23	54x31x22

Hand winch with color belt

Model	Capacity Rating (lbs/kg)	Gear Ratio	Handle Length (mm)	Hub Size (mm)	Size of Color Belt (mmxm)	Qty./ctn (pcs)	G.W/N.W (kg)	Dimension (cm)
PD06B	600/250	3.1:1	165	ø16	1. 0x50x8	6	13.5/11.5	59x26x16
PD08B	800/350	3.1:1	175	ø16	1.5x50x8	6	15/13	59x26x16
PD10B	1000/450	4.1:1	200	ø18	1.5x50x8	6	18.5/16.5	66x27x19
PD12B	1200/540	4.1:1	225	ø18	1.4x50x8	6	19/17	66x27x19
PD14B	1400/620	4.57:1	225	ø18	1.6x50x8	6	19.5/17.5	67x27x19
PD16B	1600/720	5.1:1	225	ø20	1.6x50x8	4	16/14	46x31x20
PD18B	1800/800	4.1:1&9.8:1	250	ø20	1.8x50x8	4	19/17	52x31x20
PD20B	2000/900	4.1:1&9.8:1	250	ø20	1.8x50x8	4	20/18	52x31x20
PD20B1	2000/900	4.1:1&9.8:1	250	ø42	1.8x50x8	4	22.5/20.5	52x31x20
PD25B	2500/1100	4.1:1&9.8:1	275	ø42	2.0x50x8	4	22.5/20.5	54x31x22

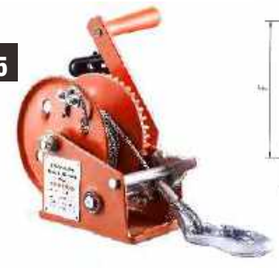
HAND WINCH JC-C TCSH9044

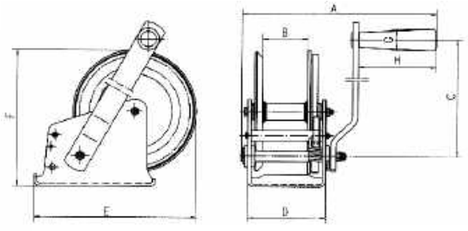




Model		JC-C12	JC-C18	JC-C26
Rated Capacity	Lbs	1200	1800	2600
Test Load	kN	8	12.13	17.64
Gear Ratio		4.2:1	5:1	10:1
Number of Speed		1	1	1
	A	156	203	216
	B	184	256	293
	C	88	107	127
Dimensions	D	210	319	319
	E	27	27	27
	F	272	283	305
	G	51	60	63
	H	109	109	109
Net Weight	kg	3.7	7.7	10.1
Packing Measurement	cm	16x16x22	35x20x23	35x24x24

HAND WINCH JC-B TCSH9045

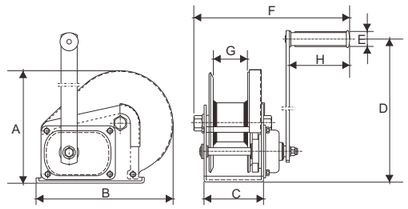




Model		JC-B6	JC-B8	JC-B10	JC-B12	JC-B14	JC-B20	JC-B25
Rated Capacity	Lbs	600	800	1000	1200	1400	2000	2500
Test Load	kN	4	5.34	6.67	8	9.34	13.35	16.68
Gear Ratio		2.9:1	3.7:1	4.2:1	4.2:1	4.2:1	10.35:1/4.5:1	11.5:1/5:1
Number of Speed		1	1	1	1	1	2	2
	A	232	232	232	232	232	310	310
	B	51	51	51	51	51	65	65
	C	180	180	180	180	180	251	251
Dimensions	D	88	88	88	88	88	129.5	129.5
	E	165	165	165	165	165	243	243
	F	138	138	138	138	138	178	178
	G	25	25	25	25	25	25	25
	H	90	90	90	90	90	90	90
Net Weight	kg	2.5	2.6	2.8	2.8	2.8	6.2	6.2
Packing Measurement	cm	17x13x21	17x13x21	17x13x21	17x13x21	17x13x21	21x21x27	21x21x27

HAND WINCH JC-S TCSH9046
Stainless Steel

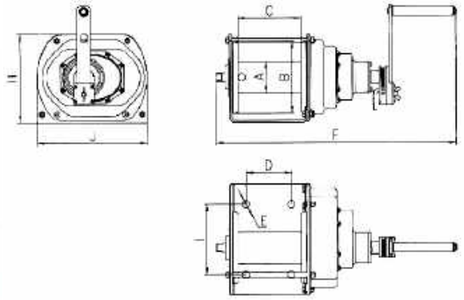




Model		JC-S12	JC-S18	JC-S26
Rated Capacity	Lbs	1200	1800	2600
Test Load	kN	8	12.13	17.64
Gear Ratio		4.2:1	5:1	10:1
Number of Speed		1	1	1
Dimensions	A	156	203	216
	B	184	256	293
	C	88	107	127
	D	210	319	319
	E	27	27	27
	F	272	283	305
	G	51	60	63
	H	109	109	109
Net Weight	kg	3.7	7.7	10.1
Packing Measurement	cm	16x16x22	35x20x23	35x24x24

HAND WINCH JC-E TCSH9047





Model		JC-E0.5	JC-E1	JC-E2	JC-E3
Rated Capacity	ton	0.5	1	2	3
Test Load	kN	0.125	12.5	24.5	36.75
Gear Ratio		2.9:1	3.7:1	4.2:1	4.2:1
Cable Size	mmxm	6.5x40	8x40	9.5x40	12.7x40
Mini Pulling force	N	120	120	152	200
Dimensions	A	60	76	90	100
	B	140	175	190	230
	C	150	154	195	205
	D	100	110	155	155
	E	15	18	18	18
	F	403	443	490	549
	H	182	214	230	296
	I	130	170	170	170
	J	245	266	300	365
Net Weight	kg	14.4	19.7	25.1	44.3
Packing Measurement	cm	17x13x21	17x13x21	17x13x21	17x13x21

WIRE GRIP BOLT TYPE TCSH9048



Model	S.W.L (kg)	Grip Range (mm)	Packing Dimension (mm)	QTY/CTN (pcs)	N.W (kg)
G-10	1000	8-10	270x230x200	12	0.9
G-20	2000	12-14	300x280x160	8	2.1
G-30	3000	16-20	370x230x210	4	5.05
G-50	5000	22-26	480x270x130	3	6.7
G-60	6000	28-32	480x280x140	3	7.5

WIRE GRIP BOLT TYPE SD TCSH9049



Model	S.W.L (kg)	Grip Range (mm)	Packing Dimension (mm)	QTY/CTN (pcs)	N.W (kg)
SD-500C	500	1-10	185x170x130	10	0.4
SD-1000C	1000	2.6-15	240x210x140	10	0.76
SD-2000C	2000	4-22	270x260x110	5	1.35
SD-3000C	3000	16-32	370x350x180	5	2.3

RATCHET PULLER TCSH TCSH9050



Model	Capacity (kg)	Max.Length (mm)	Min.Length (mm)	Size of Wire Rope (mm)	N.W (kg)
1000	1000	1210	410	4.5x2300	3.2
1500	1500	1400	480	5x2300	4.2
2000	2000	1400	480	5.5x2300	4.3
P1500	1000 single1500 double	3300	480	5x2300	4.1
3000	3000	1400	480	6x2400	4.9

RATCHET PULLER WITH WIRE GRIP TCSHG TCSH9051

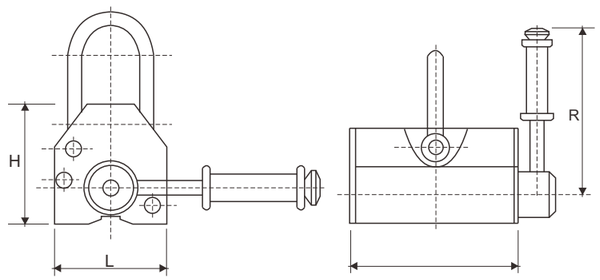


Model	Capacity (kg)	Grip Size	Pulling Length (mm)		Size of Wire Rope (mm)	N.W (kg)
			Max.	Min.		
1030	1000	SD-1000C	1210	410	5x2300	4.3
1040	1000	SD-2000C	1210	410	5x2300	5.2
1506	1500	SD-2000C	1400	480	6x2300	6.7
1509	1500	SD-3000C	1400	480	5x3200	7.2

PERMANENT MAGNET LIFTER TC TCSH9052



- Strong permanent magnetic circuit
- Stable and lasting working performance
- Strong pull-off strength
- High safety factor and reliable quality



TC-2 Model safety factor 2.5:1

Model	Rated Lifting Strength kgf	Cylindrical Lifting Strength kgf	Max.Pull-off Strength kgf	L	B	H	R	Temperature C	N.W kg
				mm					
TC2-150	150	75	300	67	105	62	143	<80	7
TC2-500	500	250	1000	91	209	92	181	<80	10
TC2-1000	1000	500	2000	117	266	122	217	<80	24
TC2-1600	1600	800	3200	163	354	176	285	<80	50
TC2-3200	3200	1600	6400	215	443	234	466	<80	125

TC-1 Model safety factor 3:1

Model	Rated Lifting Strength kgf	Cylindrical Lifting Strength kgf	Max.Pull-off Strength kgf	L	B	H	R	Temperature C	N.W kg
				mm					
TC1-100	100	80	300	62	92	67	140	<80	3
TC1- 300	300	150	900	92	163	90	180	<80	10
TC1-400	400	200	1200	92	163	90	180	<80	10
TC1-500	500	250	1500	92	210	93	210	<80	14
TC1-600	600	300	1800	120	216	116	220	<80	21
TC1- 1000	1000	500	3000	152	264	136	260	<80	38
TC1- 2000	2000	1000	6000	172	395	168	375	<80	82
TC1-3000	3000	1500	9000	232	442	221	450	<80	160
TC1-4000	4000	2000	12000	232	575	221	550	<80	220
TC1-5000	5000	2500	15000	296	652	266	700	<80	355
TC1-6000	6000	3000	18000	296	720	266	700	<80	398

TC Model safety factor 3.5:1

Model	Rated Lifting Strength kgf	Cylindrical Lifting Strength kgf	Max.Pull-off Strength kgf	L	B	H	R	Temperature C	N.W kg
				mm					
TC-100	100	50	350	62	92	67	140	<80	3
TC-300	300	150	1050	92	163	90	180	<80	10
TC-500	500	250	1750	120	216	116	220	<80	21
TC-600	600	300	2100	122	234	116	220	<80	24
TC-1000	1000	500	3500	172	264	168	260	<80	50
TC-2000	2000	1000	7000	232	370	221	450	<80	125
TC-3000	3000	2500	10500	274	452	266	520	<80	200
TC-5000	5000	2500	17500	296	720	266	700	<80	398

PALLET TRUCK TCSH231001

Capacity(KG)	2000	2500	3000	5000
Min. Fork Height(mm)	80	80	80	80
Max. Fork Height(mm)	200	190-200	200	195
Max. Lifting Height(mm)	>110	>110	>110	>110
Fork Width(mm)	550/685	550/685	550/685	685
Fork Length(mm)	1200	1200	1200	1200
Fork Size(mm)	150x55	150x55	160x60	180x50
Tandem Loading Wheel(mm)	80x70	80x70	80x70	80x67
Steering Wheel(mm)	180x50	180x50	180x50	180x60
Material of Wheel(mm)	Nylon/PU	Nylon/PU	Nylon/PU	Nylon/PU
Net Weight(KG)	68/70	73/75	78/80	140

- 3-Position control handle
- Entry & Exit rollers
- Top balanceable reinforced fork frame
- Solid steel lifting rods for extra strength
- Options: Nylon Wheel, Ployurethane Wheel, Rubber Wheel;
  Single fork load wheel or tandem fork load wheel.
- Special Requirements available
- Materials and specifications are subject to change without notice.



One piece pump



Ergonomic rubber wrapped hand grip



Option: PU wheel



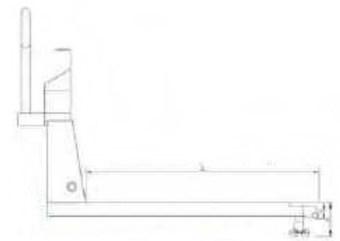
Innovative wheel frame



FL-R Hydraulic Hand Pallet Truck with Scale TCSH231002

- The hydraulic forklift scale with functions freight handling and weighting.
- The specially designed mechanical device can protect the scale from overloading, partial loading and overturning.
- The distance between the ground and the bottom pallet can be lowed to 80mm.
- It can be also used as common pallet truck.
- Different indicators with multi functions containing weighting, counting, division, conversion.
- Infrared control for your convenient use.







Model No.	Capacity	L(mm)	H(mm)	H1(mm)	W(mm)	W1(mm)	Division	N.W(kg)
FL-R580	2000kg	1160	78	188	560	140	1kg	100
FL-R715	3000kg	1160	78	180	560	140	2kg	125

CYT-A Hydraulic Scissor Lift Tables TCSH231003

Model	CYT-A300	CYT-A500	CYT-A1000
Capacity (kg)	300	500	1000
Min.Height (mm)	270	280	430
Max. Height(mm)	900	900	1000
Table Dimension (mm)	810x500x50	815x500x50	1000x512x55
Foot strokes to reach max.height	25	32	40
Weight (kg)	75	85	138
20'FCL Loading quantity (pcs)	120	120	100



CYT-B Hydraulic Scissor Lift Tables TCSH231004

Model	CYT-B300	CYT-B500
Capacity (kg)	300	500
Min.Height (mm)	275	295
Max. Height(mm)	810	1020
Table Dimension (mm)	750x500x45	900x600x48
Foot strokes to reach max.height	25	32
Weight (kg)	75	85
20'FCL Loading quantity (pcs)	120	120







CYT-D Hydraulic Scissor Lift Tables TCSH231005

Model	CYT-D350
Capacity (kg)	350
Max. Height(mm)	1400
Min. Height(mm)	415
Table Dimension (mm)	905x510x55
Handle Height (mm)	950
Overall size (mm)	1150x510
Foot Stokes to max height	55
Weight (kg)	110
Wheel Diameter (mm)	125

SYC Series Hydraulic Hand Stacker TCSH231006

Model	SYC-500
Capacity (kg)	500
Lifting Height(mm)	85-1200
Fork Length (mm)	600
Fork Width (mm)	700
Load Center (mm)	300
Overall size (mm)	1100x720x1510
Weight (kg)	100





SYC Hydraulic Scissor Lift Tables TCSH231007

Model	SYC-1000	SYC-1500/2000
Capacity (kg)	1000	1500/2000
Lifting Height(mm)	1600	1600
Lowered Fork Height (mm)	100	100
Fork Length (mm)	1000	800
Fork Outside Distance (mm)	745	760
Overall size (mm)	1400x780x1850	1350x800x1870
Front Wheel (mm)	80	80
Load Wheel (mm)	180	180
Net Weight (kg)	224	240/270

GSYC Series Hydraulic Hand Stacker TCSH231008

MODEL	GSYC-1000/1500
Capacity(kg)	1000/1500
Max. Lifting height(mm)	1600
Fork Length(mm)	1100/1150
Fork Width(mm)	550
Lowered fork height(mm)	85
Overall size (LxWxH)(mm)	1650x750x1980
Net weight(kg)	230



HSYC Series Hydraulic Hand Stacker TCSH231009

MODEL	HSYC-1000
Capacity(kg)	1000
Max. Lifting height(mm)	2000/2500/3000
Fork Length(mm)	1100/1150
Fork Width(mm)	550
Lowered fork height(mm)	85
Overall size (LxWxH)(mm)	1650x750x1980
Net weight(kg)	290-330

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DYC Series Semi-electric Stacker TCSH231010

MODEL	DYC-1600
Capacity(kg)	1000/1500/2000
Lifting height(mm)	1600
Fork Length(mm)	1000
Fork Width(mm)	310-820
Load center(mm)	400
Electric motor(mm)	12v/1.5-1.6kw
Battery	12v/120A
Charger	12v/15A
Overall size (LxWxH)(mm)	1670x820x2060
Net weight(kg)	330-380





DYC Series Semi-electric Stacker TCSH231011

MODEL	DYC-2000/2500
Capacity(kg)	1000/1500
Lifting height(mm)	2000/2500
Fork Length(mm)	1000
Fork Width(mm)	310-820
Load center(mm)	400
Electric motor	12v/1.5-1.6kw
Battery	12v/120A
Charger	12v/15A
Overall size (LxWxH)(mm)	1670x820x2060
Net weight(kg)	420-460

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Hydraulic Bottle Jack Standard TCSH231012



Plastic box



(B)

MODEL	Capacity (Ton)	Min. H. (mm)	Lifting H. (mm)	Adjust H (mm)	N.W. (KG)	Q'ty/Ctn (pcs)	Meas. (cm)	20' FCL (pcs)
T0202	2	158	90	60	2.4	10	51x24x19	7300
T0202B	2	158	90	60	2.4	6	34x34x25.5	4536
T0402	3 or 4	180	110	60	3.3	5	58x13x21	5300
T0402B	3 or 4	180	110	60	3.3	6	55x22x30	3906
T0602	5 or 6	200	125	80	4.5	5	63x14x23	3920
T0602B	5 or 6	200	125	80	4.5	4	40x27x33	3024
T0802	8	200	125	80	5.6	4	28x28x23	3140
T1002	10	200	125	80	6.3	2	30x15x23	2790
T1202	12	210	125	80	7.5	2	32x16x24	2340
T1202S	Low 12	170	85	50	6.4	2	32x16x24	2750
T1602	15 or 16	225	140	80	9	2	33x17x26	1956
T2002	20	235	145	60	11.5	2	37x18x27	1530
T2002S	Low 20	190	95	50	9.6	2	37x18x22	1800
T2502	25	250	160	-	12.5	2	37x18x27	1400
T3202	30 or 32	285	180	-	18	2	38x20x31	970
T5002	50	285	180	-	23	1	22x21x32	765
T5002H	Heavy 50	285	180	-	33	1	25x22x33	530
T10002	100	335	180	-	78	1	54x44x35	230

CE

Hydraulic Bottle Jack with Safety Valve TCSH231013



Plastic box



(B)

MODEL	Capacity (Ton)	Min.H (mm)	Lifting H. (mm)	Adjust H (mm)	N.W. (KG)	Q'ty/Ctn (pcs)	Meas. (cm)	20' FCL (pcs)
T0204	2	158	90	60	2.4	10	51x24x19	7300
T0204B	2	158	90	60	2.4	6	34x34x25.5	4536
T0404	3 or 4	195	125	60	3.5	8	47x26x23	5032
T0404B	3 or 4	200	125	60	3.5	6	55x22x30	3860
T0604	5 or 6	200	125	80	4.3	6	39x28x23	3918
T0604B	5 or 6	236	125	80	4.3	4	40x27x33	3024
T0804	8	240	160	80	6.4	4	31x29x27	2628
T1004	10	245	160	80	7.2	4	31x29x27	2346
T1204	12	245	160	80	8.3	2	36x17x27	2070
T1604	15 or 16	245	160	80	9.5	2	36x17x27	1692
T2004	20	250	160	80	11	2	37x18x27	1530
T3204	30 or 32	285	180	-	16	2	38x20x31	970
T5004	50	285	180	-	22.6	1	22x21x32	765

Hydraulic Bottle Jack Lower Height TCSH231014





Plastic box

(B)

MODEL	Capacity (Ton)	Min. H. (mm)	Lifting H. (mm)	Adjust H (mm)	N.W. (KG)	Q'ty/Ctn (pcs)	Meas. (cm)	20' FCL (pcs)
T0205L	2	150	80	55	2.2	10	52x23.5x18	8100
T0205LB	2	150	80	55	2.2	6	33x33x24.5	6300
T0405L	3 - 4	158	90	60	2.5	8	46x24.5x20	6400
T0405LB	3 - 4	158	90	60	2.5	6	34.5x34x28	5100
T0605L	5 - 6	195	125	60	3.4	8	48x25.5x22.5	4500
T0605LB	5 - 6	195	125	60	3.4	6	37.5x35x30	4260
T0805L	8	197	125	60	4.0	6	38x25.5x22.5	3750
T0805LB	8	197	125	60	4.0	4	39.5x26x30.5	3560
T1005L	10	205	125	60	5.1	4	27.5x27.5x23.5	3100
T1005LB	10	205	125	60	5.1	4	40.5x28x30	3280
T1205L	12	205	125	60	5.8	4	29.5x29.5x23.5	2650
T1605L	15-16	210	125	60	6.4	4	31x30x24	2450
T2005L	20	225	140	60	9.0	2	32x19x25.5	1800
T2005LB	20	225	140	-	9.0	2	31.5x21x33	2560
T3205L	30 - 32	245	145	-	12	2	35x20x27.5	1250
T5005L	50	285	180	-	21	1	23x19x31	690

Manual Hydraulic Cylinder With Toe-lift TCSH231015

For heavy equipment lifting or check level with minimum avallable access.



MODEL	Capacity (Ton)	Stroke (mm)	Coll Height (mm)	Ext.Height (mm)	Toe Height (mm)	Toe-lift base LxW(mm)	N.W. (KG)
HYL-5	5	117	230	317	18	69x45	8.5
HYL-10	10	147	282	387	22	98x55	20
HYL-20	20	152	310	462	25	123x63	31
HYL-30	30	155	330	485	28	149x60	42
HYL-50	50	155	370	525	40	190x75	85

Air Bottle Jack TCSH231016



T2007LQ



T2207Q

MODEL	Capacity (Ton)	Min.H (mm)	Lifting H. (mm)	Adjust H (mm)	Max.H (mm)	N.W. (KG)	Q'ty/Ctn (pcs)	Meas. (cm)	20' FCL (pcs)
T0507Q	5	210	140	80	430	6	1	20x17x23	2100
T1207Q	12	250	165	80	495	10	1	24x18x28	1350
T2007Q	20	260	170	80	510	17	1	26x20x28	1000
T2007LQ	20 Low	210	100	80	390	15	1	26x21x23	1150
T3207Q	32	280	195	-	475	24.5	1	30x30x22	700
T2207Q	22	250+20	130+80	80	435+100	36	1	64x35x30	410

Floor Jack TCSH231017


Color Box(A)


Plastic Box(B)





MODEL	Capacity (Ton)	Min.H (mm)	Lifting H. (mm)	Max. H. (mm)	N.W. (KG)	Q'ty/Ctn (pcs)	Meas. (cm)	20' FCL (pcs)
TFL1A	2	135	200	335	9.0	1	45.5x21x14.5	2100
TFL1B	2	135	200	335	9.0	1	48x23.5x15.5	1900
TFL2A	2	135	200	335	8.0	1	45.5x20x14.5	2100
TFL2B	2	135	200	335	8.0	1	48x23.5x15.5	1900
TFL3A	2	125	175	300	7.0	1	43x21x13.5	2500
TFL3B	2	125	175	300	7.0	1	45x22.5x14.5	2300
TFL4A	2	125	175	300	6.5	1	43x21x13.5	2500
TFL4B	2	125	175	300	6.5	1	45x22.5x14.5	2300


TFL320


TFL326

MODEL	Capacity (Ton)	Min.H (mm)	Lifting H. (mm)	Max. H. (mm)	N.W. (KG)	Q'ty/Ctn (pcs)	Meas. (cm)	20' FCL (pcs)
TFL320	3	190	342	532	16	1	64x22x21	950
TFL321	3	135	360	495	28	1	67x37.5x20	500
TFL322	3	135	360	495	30	1	67x37.5x20	500
TFL323	3	135	360	495	32	1	67x37.5x20	500
TFL324	3	135	360	495	34	1	67x37.5x20	500
TFL325	3	135	385	520	36	1	77x39x21	430
TFL326	3	135	385	520	36	1	77x39x21	430



Long Floor Jack TCSH231018

MODEL	Capacity (Ton)	Min.H (mm)	Max. H. (mm)	Lifting Height (mm)	N.W. (KG)	G.W. (KG)	Q'ty/Ctn (pcs)	Meas. (cm)	20' FCL (pcs)
TLY3	3	145	610	465	78	98	1	154x45x28	165
TLY5	5	165	500	400	95	110	1	154x45x28	165
TLY10	10	200	500	400	140	170	1	166x53x35	78

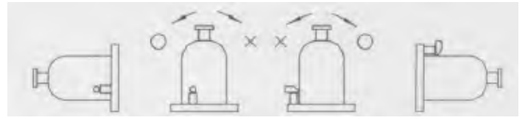


Screw Jack TCSH231019

MODEL	Capacity (Ton)	Min. Height (mm)	Lifting Height (mm)
QL3.2	3.2	110	220
QL5	5.0	130	250
QLD5	5.0	65	180
QL8	8.0	140	260
QL10	10	150	280
QLD10	10	80	192
QL16	16	180	320
QL20	20	180	325
QLD25	25	125	262
QK32	32	200	395
QLD32	32	180	320
QL40	40	200	410
QL50	50	250	452
QLD50	50	150	330
QL100	100	200	412
QL200	200	200	450

Standard/low Profile Bottle Jack TCSH231020

- The jack work both in vertical and horizontal position.
- When used in horizontal position, pump must be in the position as illustrated below:




2-30t


50t


100t

MODEL	Capacity (Ton)	Min. Height (mm)	Lifting Height (mm)	Extension screw height (mm)	Max. Height (mm)	Weight (kg)
TCHJ-2	2	180	105	60	345	3
TCHJ-3	3	190	115	60	365	3.5
TCHJ-4	4	190	120	70	370	4
TCHJ-5	5	200	120	70	390	4.5
TCHJ-7	7	200	120	70	390	6.9
TCHJ-10	10	240	150	80	470	9.4
TCHJ-15	15	265	165	80	510	12.5
TCHJ-20	20	270	160	-	430	14.9
TCHJ-30	30	280	160	-	440	19.1
TCHJ-50	50	305	170	-	475	39.0
THJ-100	100	305	145	-	450	93.0
THJ-10L	10	170	95	75	340	6.4
THJ-15L	15	170	90	70	330	8.0
THJ-20L	20	180	85	40	305	10.2

Double Ram Bottle Jack TCSH231021



MODEL	Capacity (Ton)	Min.H (mm)	Lifting H. (mm)	Adjust H (mm)	N.W. (KG)	Q'ty/Ctn (pcs)	Meas. (cm)	20' FCL (pcs)
TH23021	2	165	98+92	55	29	10	60x21x20	5790
TH23041	4	150	80+80	35	22.5	5	61x14x22	4300
TH23061	6	154	80+80	40	16.5	3	47x16x21	3000
TH23081	8	156	80+80	40	19.5	3	47x18x21	2300
TH23101	10	225	140+145	50	17	2	36x18x25.5	1820
TH23121	12	230	140+145	50	21	2	38x19.5x26	1450
TH23161	16	232	140+145	50	26	2	38x19.5x26	1200
TH23201	20	235	140+145	50	16.5	1	20.5x20x26	950
TH23301	30	250	140+140	-	25	1	24x22x27	670

Long Ram Jack TCSH231022



MODEL	Capacity (Ton)	Min.H (mm)	Lifting H. (mm)	N.W. (KG)	20' FCL (pcs)
TH0307	3	620	495	9.5	2000
TH0807	8	630	495	12.5	1440
TH0807D	8 (double pump)	630	495	13.5	1400

Air Hose Reel TCSH231023



MODEL	Hose Length (M/FT)	Hose I.D. (inch)	Outlet Size (inch)	Max. Pressure (PSI/MPA)	N.W. (KG)	Q'ty/Ctn (pcs)	Meas. (cm)	20' FCL (pcs)
T08151A	15/50	3/8	1/4	250/1.7	8	1	44x20.5x40	720
T08152A	15/50	3/8	1/4	250/1.7	8	1	44x20.5x40	720
T08202A	20/66.6	3/8	1/4	250/1.7	10	1	44x20.5x40	720

Air Hose Reel TCSH231024



MODEL	Hose Length (M/FT)	Hose I.D. (inch)	Outlet Size (inch)	Max. Pressure (PSI/MPA)	N.W. (KG)	Q'ty/Ctn (pcs)	Meas. (cm)	20' FCL (pcs)
T08151W	15/50	1/2	3/4	150/1	7.5	1	44x20.5x40	720
T08152W	15/50	1/2	3/4	150/1	7.5	1	44x20.5x40	720
T08202W	15/50	1/2	3/4	150/1	9	1	44x20.5x40	720

Mechanical Jack (TCSH Model) Standard TCSH231025



MODEL		TCSH1.5	TCSH3.0	TCSH5.0	TCSH10	TCSH16	TCSH20	TCSH25
Rated Capacity(t)		1.5	3.0	5.0	10	16	20	25
Test Load(KN)		22	44.1	73.5	147	196	220	275
Chain shake to Lift full load(N)		140	196	235	431	580	650	750
Dimensions(mm)	A	81	83	108	124	135	135	155
	B	100	130	140	140	150	150	200
	C	600-900	735-1090	730-1075	800-1190	800-1190	800-1180	950-1360
	D	60-360	70-425	80-425	100-490	100-490	115-425	110-520
	E	55	60	71	86	80	85	90
	F	46	54	68	76	85	85	90
	G	110	138	170	170	180	182	230
	H	225	249	249	300	300	360	360
	K	147	170	190	252	275	281	380
	R	119	140	155	185	210	224	212
	S	175	235	217	187	210	202	205
	T	113	128	128	250	280	258	258
Net Weight(kg)		14	20	28	46	65	72	91
Meas.(cm)		62x18x19	75x19x22	75x21x25	82x27x31	85x29x35	90x38x30	102x42x36

Mechanical Jack (TCSH-A Model) Adjustable Lifting Claw in 6 positions! TCSH231026

- Suitable for lifting loads of any type.
- Low expenditure of force through optimal ratio
- For a variety lifting points.
- Lifting claw is adjustable in 6 positions



The base can be installed with wheel at extra cost

MODEL		TCSH-A3.0	TCSH-A5.0	TCSH-A10
Rated Capacity(t)		3.0	5.0	10
Test Load(KN)		36.75	61.25	122.5
Chain shake to Lift full load(N)		280	280	560
Dimensions(mm)	A	83	108	124
	B	130	140	140
	E	60	71	86
	F	45	68	76
	G	138	170	170
	H	249	275	300
	K	170	190	252
	R	140	155	185
	T	128	128	250
Lifting height(mm)		350	350	350
Height of claw(mm)		65-565	65-565	80-630
Net Weight(kg)		23.4	35.6	61
Meas.(cm)		75x19x22	75x21x25	82x27x31

Mechanical Jack (TCSH-B Model) Low-profile Design! TCSH231027

- the working positionof bottom claw is the lowest,
- expanding the use range of the product.



MODEL		TCSH-B3.0	TCSH-B5.0	TCSH-B10
Rated Capacity(t)		3.0	5.0	10
Test Load(KN)		36.75	61.25	122.5
Chain shake to Lift full load(N)		280	280	560
Dimensions(mm)	A	83	108	124
	B	170	130	220
	C	740-1100	735-1085	805-1215
	D	40-400	40-390	40-45
	E	60	70	85
	F	46	68	76
	G	150	170	170
	H	249	275	300
	K	170	190	252
	R	140	155	185
	T	128	235	250
Net Weight(kg)		23	31	51
Meas.(cm)		75x19x22	75x21x25	82x27x31

Farm Jack TCSH231028

CE



TCSH033



TCSH034



TCSH035



TCSH036

MODEL	Capacity (inch)	Min.H (mm)	Max. H. (mm)	N.W. (KG)	G.W. (KG)	Meas. (cm)	Q'ty/Ctn (pcs)	20' FCL (pcs)
TCSH033	20	153	500	12	13	54x24.5x14	1	2640
TCSH034	33	154	700	13	14	90x24.5x14	1	1900
TCSH035	48	155	1070	14	15	124x24.5x14	1	1340
TCSH036	60	155	1350	15	16	154x24.5x14	1	1100

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Jack Stand Light TCSH231029



MODEL	Capacity (Ton)	Min.H (mm)	Max. H. (mm)	N.W. (KG)	G.W. (KG)	Q'ty/Ctn (pcs)	Meas. (cm)	20' FCL (pcs)
TCSH001	12	460	715	24	25	2	33x29x53	1060
TCSH002	6	408	600	9	9.5	2	27.5x24.5x42.5	1960
TCSH003	3	295	428	5	5.3	2	20.5x18.5x33	4600
TCSH004	2	275	500	4.7	5	2	19x17x33	4700

Jack Stand Standard TCSH231030



MODEL	Capacity (Ton)	Min.H (mm)	Max. H. (mm)	N.W. (KG)	G.W. (KG)	Q'ty/Ctn (pcs)	Meas. (cm)	20' FCL (pcs)
TCSH005	12	460	715	25	26	2	33x29x53	1100
TCSH006	6	415	610	11	11.5	2	27.5x24.5x42.5	1850
TCSH007	3	285	428	6.2	6.6	2	20.5x18.5x34.5	4300
TCSH008	2	278	428	5	5.3	2	19x17x33	5000

Jack Stand ANSI TCSH231031



MODEL	Capacity (Ton)	Min.H (mm)	Max. H. (mm)	N.W. (KG)	G.W. (KG)	Q'ty/Ctn (pcs)	Meas. (cm)	20' FCL (pcs)
TCSH009	12	465	715	27	28	2	33x29x55	1060
TCSH010	6	415	627	13.3	14	2	28x25x46.5	1700
TCSH011	3	285	428	6.5	7	2	20.5x18.5x34.5	4300
TCSH012	2	278	428	5.2	5.5	2	19x17x34	4600

Jack Stand GS TCSH231032



MODEL	Capacity (Ton)	Min.H (mm)	Max. H. (mm)	N.W. (KG)	G.W. (KG)	Q'ty/Ctn (pcs)	Meas. (cm)	20' FCL (pcs)
TCSH017	6	417	612	14	14.5	2	31x26.5x47.5	1400
TCSH018	3	287	428	7	7.5	2	22x20x34.5	3700
TCSH019	2	280	428	5.5	5.8	2	21x19x34	4000

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Shop Crane CE TCSH231033



MODEL	Capacity (Ton)	Lifting Range (mm)	N.W. (KG)	Meas. (cm)	20' FCL (pcs)
T1001Z	1	110-2000	15 53	71x35x16 140x30x20	220
T1002G	2	280-2100	52 40	137x71x9 133x21x16	200
T1002Z	2	85-2000	70 22	145x30x18 80x58x9	220
T1003G	3	0-2000	29 72 18	133x86x11 142x30x21 73x20x18	110

Engine Stand TCSH231034



MODEL	Capacity (LBS)	Center Height (mm)	N.W. (KG)	Meas. (cm)	20' FCL (pcs)
T11075	750	780	19	83x18x19	800
T11100	1000	780	22	83x18x19	750
T11125	1250	820	26	86x21x21	660
T11150	1500	820	28	84x21x21	430
T11200	2000	810	38	92x40x20	330
T11200Z	2000	815	38	92x44x17	360

Porta Power CE TCSH231035



T01041 Iron Box



T01101 Iron Box



T01103 plastic box with wheels



T01102 plastic box



T01042 plastic box

MODEL	Capacity (Ton)	Min. Height (mm)	Ram Lifting Height (mm)	N.W. (KG)	Meas. (cm)	20' FCL (pcs)
T01041	4	278	120	18	57x23.5x16.5	1050
T01042	4	278	120	18	59x33x18	832
T01101	10	367	130,150	33	73x31x17	610
T01102	10	367	130,150	33	73x40x16	560
T01103	10	367	130,150	34	95x40x17	476

Transmission Jack TCSH231036



T02051



T02051A
double-pump pole makes lifting quickly
two-stage piston design can adjust the height efficiently



T02052
two-stage piston design can adjust the height efficiently



T02052A



T02053



T02054



T02151



T02061



T02061A



T02101

MODEL	Capacity (Ton)	Stroke(mm) 1st Stage	Stroke(mm) 2nd Stage	Height(mm) Min.	Height(mm) Max.	N.W. (KG)	Meas. (cm)	20' FCL (pcs)
T02051	0.5	*	*	1100	1900	30	105x25x27	392
T02051A	0.5	*	*	1200	2000	29 9	105x25x27 45x24x15	314
T02052	0.5	465	465	870	1800	80	55x36x85	120
T02052A	0.5	465	465	870	1800	80	55x36x85	120
T02053	0.5	450	450	850	1750	60	52x29x76	255
T02054	0.5	*	*	1290	1780	33	87x35x20	462
T02061	0.6	*	*	1040	1760	32	105x25x27	376
T02061A	0.6	*	*	1200	1920	30 13	105x25x27 45x26x16	320
T02151	0.68	*	*	1090	1840	48	97x30x32	294
T02101	1	465	465	880	1810	82	55x36x85	120

Transmission Jack TCSH231037



T03152



T03101



T03051



T03101A



T03151

MODEL	Capacity (Ton)	Min. Height (mm)	Ram Lifting Height (mm)	N.W. (KG)	Meas. (cm)	20' FCL (pcs)
T03051	0.5	190	680	40	83x47x28.5	264
T03101	1	200	760	60	90x51x23	280
T03101A	1	210	780	55	98x54x34	280
T03151	1.5	210	780	61	98x54x34	132
T03152	1.5	230	890	84	99x56x31	154

Shop Press CE TCSH231038



T07104



T07202
T07302



T07402



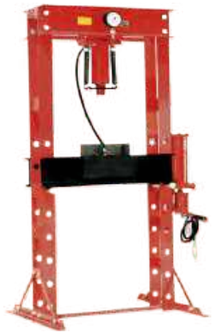
T07502



T07202Q



T0730Q



T07402Q



T07502Q

MODEL	Capacity (Ton)	Working Range (mm)	Width (mm)	Air Pressure (MPA)	N.W. (KG)	Meas. (cm)	20' FCL (pcs)
T07104	10	430	*	*	60	95x58x24	198
T07202	20	0-1030	530	*	85	150x28x19	230
T07302	30	0-1070	460	*	112	163x29x26+6	160
T07402	40	0-1080	650	*	202	182x54x24+6	108
T07502	50	0-1035	650	*	242	183x59x25+6	81
T07202Q	20	0-1030	530	0.8	88	152x29x20	220
T07302Q	30	0-1070	460	0.8	115	163x29x27+6	160
T07402Q	40	0-1080	650	0.8	205	182x54x24+6	108
T07502Q	50	0-1035	650	0.8	245	183x59x25+6	81

Shop Press CE TCSH231039



T07041



T07101



T07102



T06201



T06301



T06061



T06121



T07103



T07201
T07301

MODEL	Capacity (Ton)	Working Range (mm)	Width (mm)	N.W. (KG)	Meas. (cm)	20' FCL (pcs)
T07041	4	330	350	32	65x28x15	650
T06061	6	0-250	360	30	96x41x14	400
T06121	12	0-710	380	45	139x22x15	340
T06201	20	0-790	460	72	158x26x18	300
T06301	30	0-800	460	110	162x28x28	180
T07101	10	400	360	45	65x27x24	380
T07102	10	0-330	380	46	76x53x16	380
T07103	10	0-990	380	58	150x24x16	280
T07201	20	0-920	460	83	150x28x19	230
T07301	30	0-1070	460	116	163x29x26+6	160

Pipe Bender CE TCSH231040



T1202



T1602

MODEL	Capacity (Ton)	Min. Height (mm)	Bending Dia (in)	N.W. (KG)	Q'ty/Ctn (pcs)	Meas. (cm)	20' FCL (pcs)
T1202	12	545	1/2",3/4",1",1-1/4",1-1/2",2"	41	1	64.5x57x18	450
T1602	16	590	1/2",3/4",1",1-1/4",1-1/2",2",2-1/2",3"	70	1	68x64x19	255