

TOYO-INTL[®]

TIANJIN TOYO LIFTING MACHINE MANUFACTURE CO.,LTD

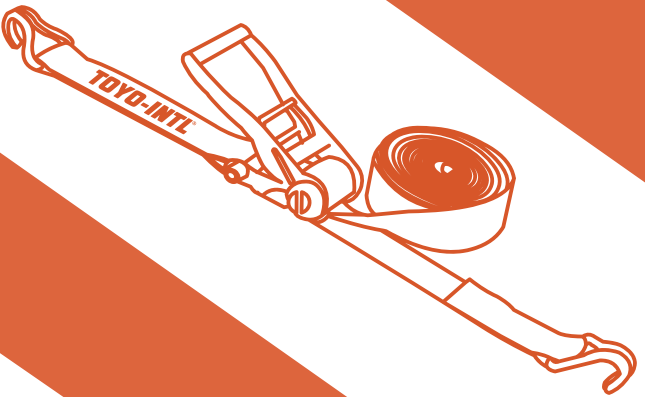
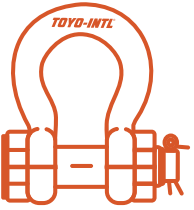
CHINA ADD: NO.4669 XINBEI ROAD
THE NEW AREA OF TIANJIN CITY
CHINA

JAPAN ADD: 1-49-12 YACHIMATA,
YACHIMATA-SHI, CHIBA 289-1143,
JAPAN

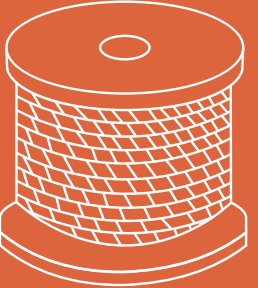


Please scan the code to learn more

Regional distributor



TOYO-INTL[®]



ABOUT TOYO-INTL

The TOYO-INTL brand is jointly established by TIANJIN TOYO LIFTING MACHINE MANUFACTURING CO., LTD. and TOYOINTL LIFTING JAPAN CO., LTD. Our products are collaboratively designed and developed by professional engineering teams from both China and Japan, dedicated to delivering lifting tools of exceptional quality. We utilize premium raw materials combined with advanced Japanese production technologies and manufacturing equipment. This ensures that every product achieves outstanding performance and unwavering reliability.

- Our Quality Control department guarantees:
- 1. 100% material inspection prior to assembly.
 - 2. 100% product testing and final inspection before shipment.
 - 3. All testing equipment is sourced from Japan, ensuring precision and consistency.

We have a strong R&D Design ability to ensure that you are getting the latest products produced with the most advanced and cost-effective technologies.

With a global footprint, our products have been successfully exported to key markets including: Europe, North&South America, Australia, Southeast Asia, South Africa, Middle East etc.

Certifications & Warranty

All products hold ISO, CE, and GS certifications. We provide comprehensive warranties covering material quality and manufacturing workmanship for all supplied and installed equipment.

SERVICE&QUALITY CONTROL

Mission Statement

- 1. To Our Customers
Customers come first. We strive to accurately understand client needs, provide prompt solutions, and deliver efficient services to ensure excellence at every interaction.
- 2. To Our Team
Foster unity, integrity, and mutual support. We cultivate a collaborative environment where trust and teamwork drive collective success.
- 3. To Our Competitors
Embrace mutual respect, fair competition, and shared growth. We believe ethical practices elevate industry standards for all stakeholders.

The company achieves exceptional customer satisfaction through four pillars of our quality system:

CUSTOMER SATISFACTION:

Process consistency is the cornerstone of guaranteed satisfaction. By delivering high-quality products today, we secure enduring partnerships and future opportunities. We pursue excellence through continuous improvement in all operations.

INTERNAL AUDITS:

Our management team and certified auditors conduct rigorous evaluations to maintain system relevance and effectiveness. Audit findings (internal and external) undergo objective analysis, with actionable recommendations implemented to advance our quality management framework.

QUALITY ASSURANCE:

We partner with steel suppliers through stringent material specifications and joint quality protocols. Every raw material batch undergoes meticulous verification to meet exacting production standards.



TOYO-INTL WAREHOUSE



TOYO-INTL WIRE ROPE



TOYO-INTL FACTORY

PRODUCTION & TECHNOLOGY ADVANTAGES:

Technological advancement and high-quality equipment are essential guarantees of product quality. We have invested in advanced manufacturing equipment to establish a top-tier production line. TOYO-INTL wire rope factory showcases advanced testing machinery and an optimized production process.



	WIRE ROPE	←	01 - 10
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	WIRE ROPE SWAGING MACHINE	←	11 - 12
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	WIRE ROPE ANNEALING MACHINE	←	13 - 13
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	HYDRAULIC SPLICING MACHINE	←	14 - 14
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	SWAGED WIRE ROPE SLING ASSEMBLY	←	18 - 18
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	WIRE ROPE CLIP	←	29 - 32
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	LOAD BINDER	←	33 - 34
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	LINK & HOOK	←	37 - 45
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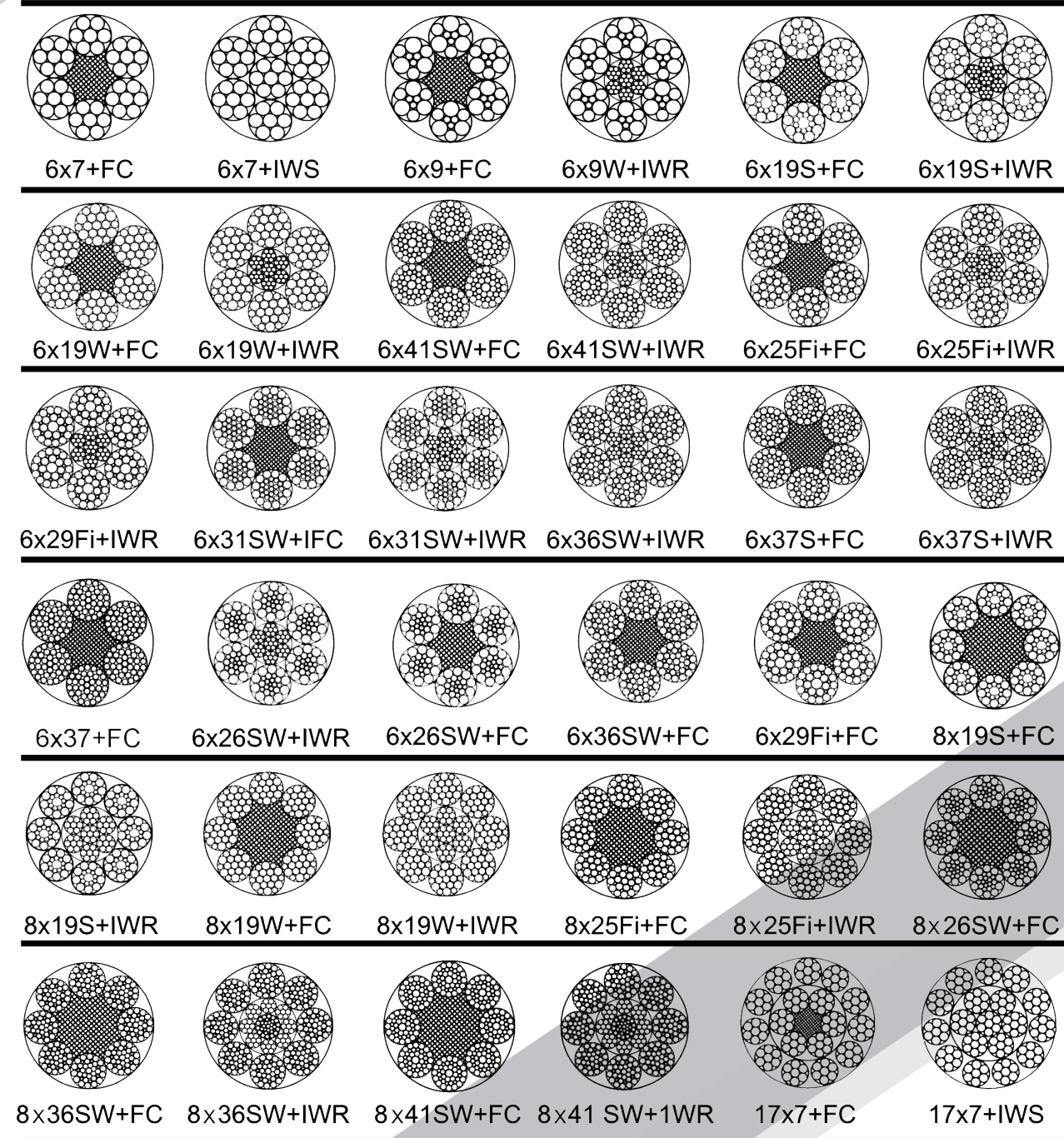
	TEXTILE SLING	←	46 - 51
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	SWIVEL HOIST RING	←	52 - 64
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WIRE ROPE

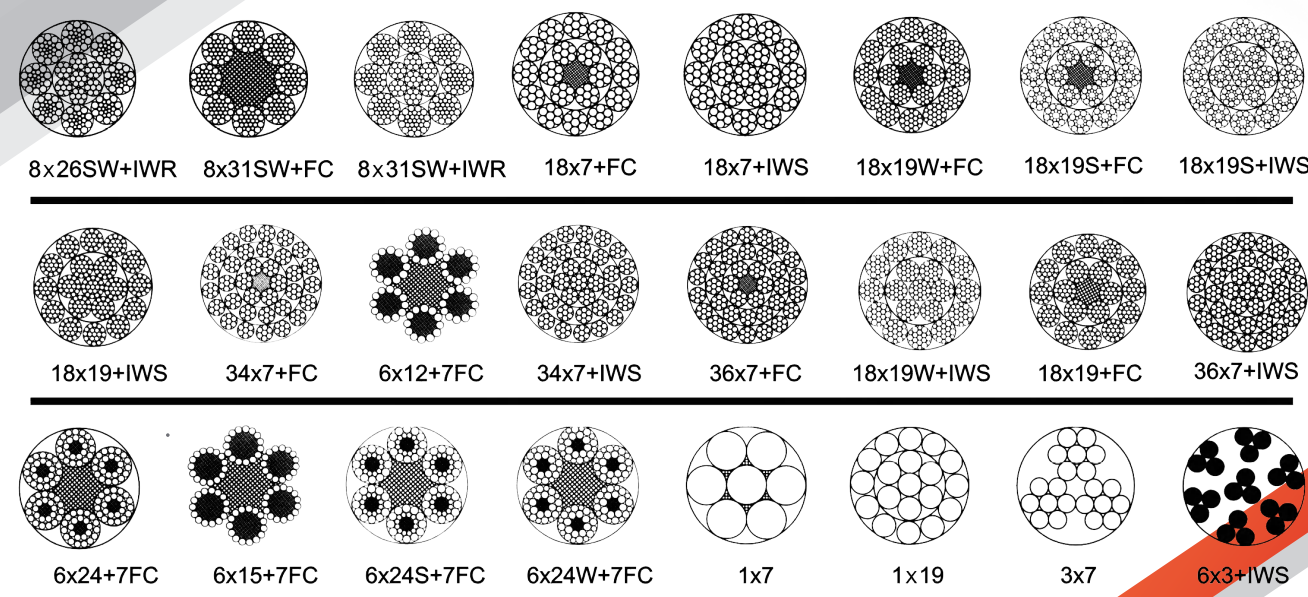
TYPICAL CROSS SECTIONS OF WIRE ROPE & STRAND



QUALITY ASSURANCE

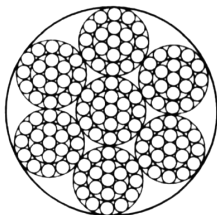
To create first-class products, only advanced production equipments are not enough. It also needs the spirit of tireless pursuit in perfection and first-rate testing equipments.

TOYO-INTL Steel Rope strived for perfection and excellence through strict checking from R&D to inspection.

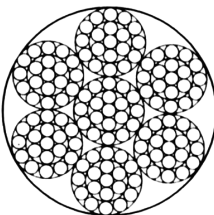




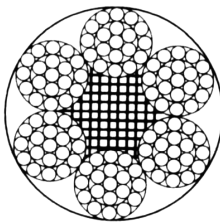
6X19 STEEL WIRE ROPE
(UNGALVANIZED AND GALVANIZED)



6x19+IWS



6x19+IWR



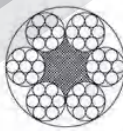
6x19+FC

Construction: 6x19 + FC 6x19 + IWS 6x19 + IWR

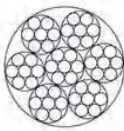
6X7 OR 6X9W STEEL WIRE ROPE
(UNGALVANIZED AND GALVANIZED)

Construction: 6x7 + FC 6x7 + IWS 6x9W + FC 6x9W + IWR

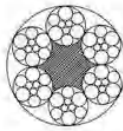
Nominal Diameter (mm)	App rox. Weight (Kg/100m)			Nominal Tensile Strength of Rope(Mpa)							
				1570		1670		1770		1870	
	NF	SF	IWR/IWS	Minimum Breaking Load of Rope(Kn)							
				FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS
1.8	1.14	1.11	1.25	1.69	1.83	1.80	1.94	1.90	2.06	2.01	2.18
2	1.40	1.38	1.55	2.08	2.25	2.22	2.40	2.35	2.54	2.48	2.69
3	3.16	3.10	3.48	4.69	5.07	4.99	5.40	5.29	5.72	5.59	6.04
4	5.62	5.50	6.19	8.34	9.02	8.87	9.59	9.40	10.2	9.93	10.7
5	8.78	8.60	9.68	13.0	14.1	13.9	15.0	14.7	15.9	15.5	16.8
6	12.6	12.4	13.9	18.8	20.3	20.0	21.6	21.2	22.9	22.4	24.2
7	17.2	16.9	19.0	25.5	27.6	27.2	29.4	28.8	31.1	30.4	32.9
8	22.5	22.0	24.8	33.4	36.1	35.5	38.4	37.6	40.7	39.7	43.0
9	28.4	27.9	31.3	42.2	45.7	44.9	48.6	47.6	51.5	50.3	54.4
10	35.1	34.4	38.7	52.1	56.4	55.4	60.0	58.8	63.5	62.1	67.1
11	42.5	41.6	46.8	63.1	68.2	67.1	72.5	71.1	76.9	75.1	81.2
12	50.5	49.5	55.7	75.1	81.2	79.8	86.3	84.6	91.5	89.4	96.7
13	59.3	58.1	65.4	88.1	95.3	93.7	101	99.3	107	105	113
14	68.8	67.4	75.9	102	110	109	118	115	125	122	132
16	89.9	88.1	99.1	133	144	142	153	150	163	159	172
18	114	111	125	169	183	180	194	190	206	201	218
20	140	138	155	208	225	222	240	235	254	248	269
22	170	166	187	252	273	268	290	284	308	300	325



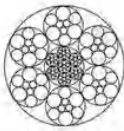
6X7+FC



6X7+IWS



6X9W+FC

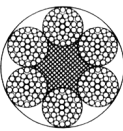


6X9W+IWR

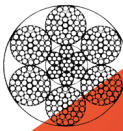
6X37 STEEL WIRE ROPE
(UNGALVANIZED AND GALVANIZED)

Construction: 6x37 + FC 6x37 + IWS 6x37 + IWR

Nominal Diameter		App rox. Weight (Kg/100m)			Nominal Tensile Strength of Rope(Mpa)							
					1570		1670		1770		1870	
		NF	SF	IWR/IWS	Minimum Breaking Load of Rope(Kn)							
mm	in.				FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS
5	3/16	8.65	8.43	10.0	11.6	12.5	12.3	13.3	13.1	14.1	13.8	14.9
6	1/4	12.5	12.1	14.4	16.7	18.0	17.7	19.2	18.8	20.3	19.9	21.5
7	9/32	17.0	16.5	19.6	22.7	24.5	24.1	26.1	25.6	27.7	27.0	29.2
8	5/16	22.1	21.6	25.6	29.6	32.1	31.5	34.1	33.4	36.1	35.3	38.2
9	3/8	28.0	27.3	32.4	37.5	40.6	39.9	43.2	42.3	45.7	44.7	48.3
10	13/32	34.6	33.7	40.0	46.3	50.1	49.3	53.3	52.2	56.5	55.2	59.7
11	7/16	41.9	40.8	48.4	56.0	60.6	59.6	64.5	63.2	68.3	66.7	72.2
12	15/32	49.8	48.5	57.6	66.7	72.1	70.9	76.7	75.2	81.3	79.4	85.9
13	1/2	58.5	57.0	67.6	78.3	84.6	83.3	90.0	88.2	95.4	93.2	101
14	9/16	67.8	66.1	78.4	90.8	98.2	96.6	104	102	111	108	117
16	5/8	88.6	86.3	102	119	128	126	136	134	145	141	153
18	23/32	112	109	130	150	162	160	173	169	183	179	193
20	13/16	138	135	160	185	200	197	213	209	226	221	239
22	7/8	167	163	194	224	242	238	258	253	273	267	289



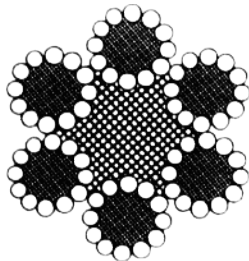
6x37+FC



6x37+IWR



6X12 STEEL WIRE ROPE
(UNGALVANIZED AND GALVANIZED)



6x12+7FC

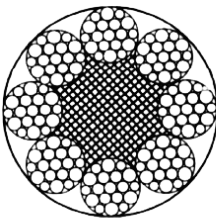
Construction: 6x12+7FC

Nominal Diameter (mm)	App rox. Weight (Kg/100m)		Nominal Tensile Strength of Rope(Mpa)			
			1470	1570	1670	1770
	NF	SF	Minimum Breaking Load of Rope(Kn)			
8	16.1	14.8	19.7	21.0	22.3	23.7
9	20.3	18.7	24.9	26.6	28.3	30.0
10	25.1	23.1	30.7	32.8	34.9	37.0
11	30.4	28.0	37.2	39.7	42.2	44.8
12	36.1	33.3	44.2	47.3	50.3	53.3
13	42.4	39.0	51.9	55.5	59.0	62.5
14	49.2	45.3	60.2	64.3	68.4	72.5
16	64.3	59.1	78.7	84.0	89.4	94.7
18	81.3	74.8	99.5	106	113	120
20	100	92.4	123	131	140	148
22	121	112	149	159	169	179
24	145	133	177	189	201	213
26	170	156	208	222	236	250
28	197	181	241	257	274	290
32	257	237	315	336	357	379

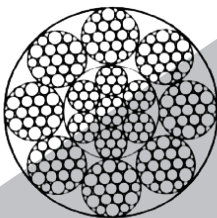
Main Applications: Towboat, goods net, floating transportation of wood, bunding etc.



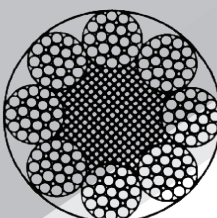
8X19S OR 8X19W ELEVATOR
STEEL WIRE ROPE



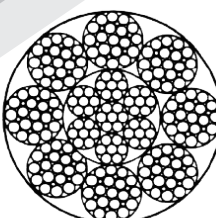
8x19S+FC



8x19S+IWR



8x19W+FC



8x19W+IWR

Construction:8x19S+FC 8x19S+IWR 8x19W+FC 8x19W+IWR

Nominal Diameter (mm)	App rox. Weight (Kg/100m)			Nominal Tensile Strength of Rope(Mpa)											
				1570		1670		1770		1870		1960		2160	
	NF	SF	IWR/IWS	Minimum Breaking Load of Rope(Kn)											
				FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS
10	34.6	33.4	42.2	46.0	54.3	48.9	57.8	51.9	61.2	54.8	64.7	57.4	67.8	63.3	74.7
11	41.9	40.4	51.1	55.7	65.7	59.2	69.9	62.8	74.1	66.3	78.3	69.5	82.1	76.6	90.4
12	49.9	48.0	60.8	66.2	78.2	70.5	83.2	74.7	88.2	78.9	93.2	82.7	97.7	91.1	108
13	58.5	56.4	71.3	77.7	91.8	82.7	97.7	87.6	103	92.6	109	97.1	115	107	126
14	67.9	65.4	82.7	90.2	106	95.9	113	102	120	107	127	113	133	124	146
16	88.7	85.4	108	118	139	125	148	133	157	140	166	147	174	162	191
18	112	108	137	149	176	159	187	168	198	178	210	186	220	205	242
20	139	133	169	184	217	196	231	207	245	219	259	230	271	253	299
22	168	162	204	223	263	237	280	251	296	265	313	278	328	306	362
24	199	192	243	265	313	282	333	299	353	316	373	331	391	365	430

Main Applications: Elevator and derricking machinery



WIRE SERIES APPLCATION RECOMMENDATION

Usage	Rope type	Structure	Comments
Hoisting in vertical shafts	Triangular strand wire rope	6Vx37S 6Vx37 6Vx34 6Vx30 6Vx21 6Vx43	
	Equal laid wire rope	6x19S 6x19W 6x25Fi 6x26WS 6x29Fi 6x31WS 6x36WS 6x41WS	Lang's lay is recommended
	Multi-layer strand wire rope	18x7 17x7 35Wx7 24Wx7 6Qx19+6Vx21 6Qx33+6Vx21	For use in vertical shafts with wire rope guide
Shaft excavation	Multi-layer strand wire rope un-shaped strand wire rope	60x33+6Vx21 17x7 18x7 34x7 36x7 60x19+6Vx21 4Vx39S 4Vx48S 35Wx7 24Wx7	
Balanced ropes for use in vertical shafts	Steel wire rope	6x37S 6x36WS 4Vx39S 4Vx48S	Use ordinary lay only
	Multi-layer strand wire rope	17x7 18x7 34x7 36x7 35Wx7 24Wx7	Use ordinary lay only
Hoisting in inclined shafts(winch)	Triangular strand wire rope	6Vx18 6Vx19	
	Steel wire rope	6x7 6x9W	Lang's lay is recommended
Blast furnace hoist	Triangular strand wire rope	6Vx37S 6Vx37 6Vx30 6Vx34 6Vx43	
	Equal laid wire rope	6x19S 6x25Fi 6x29Fi 6x26WS 6x31WS 6x36WS 6x41WS	
Vertical shaft guide and ropeway	Triangular strand wire rope	6Vx18 6Vx19	
	Multi-layer strand wire rope	18x7 17x7	Lang's lay is recommended
Winch on slope	Triangular strand wire rope	6Vx37S 6Vx37 6Vx30 6Vx34 6Vx43	
	Equal laid wire rope	6x36WS 6x37S 6x41WS 6x49SWS 6x55SWS	Lang's lay is recommended
Oil exploration	Equal laid wire rope	6x19S 6x19W 6x25Fi 6x29Fi 6x26WS 6x31WS 6x36WS	May use steel core wire ropes
Conveyer belt, telpher, cable railway	Equal laid wire rope	6x19S 6x19W 6x25Fi 6x29Fi 6x26WS 6x31WS 6x36WS 6x41WS	Lang's lay is recommended
Excavating machinery	Equal laid wire rope	6x19S+IWR 6x25Fi+IWR 6x19W+IWR 6x29Fi+IWR 6x26WS+IWR 6x31WS+IWR 6x36WS+IWR 6x55SWS+IWR 6x49SWS+IWR 35Wx7 24Wx7	Lang's lay is recommended
	Triangular strand wire rope	6Vx30 6Vx34 6Vx37 6Vx37S 6Vx43	

Usage	Rope type	Structure	Comments
Metallurgy	Equal laid wire rope	6x19S+IWR 6x19W+IWR 6x25Fi+IWR 6x36WS+IWR 6x41WS+IWR	
Dock, irrigation Projects, tower crane	Multi-layer strand wire rope	18x19S 18x19W 34x7 36x7 35Wx7 24Wx7	
	4 strand fan-shaped wire rope	4Vx39S 4Vx48S	
Frequent hoisting and for other important purposes	Equal laid wire rope	6x19S 6x19W 6x25Fi 6x29Fi 6x26WS 6x31WS 6x36WS 6x37S 6x41WS 6x49SWS 6x55SWS 8x19S 8x19W 8x25Fi 8x26WS 8x31WS 8x36WS 8x41WS 8x49SWS 8x55SWS	
	4 strand fan-shaped wire rope	4Vx39S 4Vx48S	
Steel works	Equal laid wire rope	6x19S+IWR 6x19W+IWR 6x25Fi+IWR 6x29Fi+IWR 6x31WS+IWR 6x37S+IWR 6x36WS+IWR	
Ship loading and unloading	Equal laid wire rope	6x19W 6x25Fi 6x29Fi 6x31WS 6x36WS 6x37S	Galvanized
	Multi-layer strand wire rope	18x19S 18x19W 34x7 36x7 35Wx7 24Wx7	
	4 strand fan-shaped wire rope	4Vx39S 4Vx48S	
Towboat, cargo net	Steel wire rope	6x31WS 6x36WS 6x37S	Galvanized
Fixing mast and hanging bridge on ships	Steel wire rope	6x7+IWS 6x19S+IWR	Galvanized
Salvage operations	Steel wire rope	6x37S 6x36WS 6x41WS 6x49SWS 6x31WS 6x55SWS 8x19S 8x19W 8x31WS 8x36WS 8x41WS 8x49SWS 8x55SWS	Galvanized

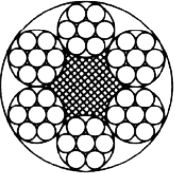
NOTE:
1. Use galvanized wire ropes in corrosive environment.
2. Use Lana's lay when the wire rope should not rotate during operation: or when the ropes should not cross each other even if they belong to rotation-resistant type.



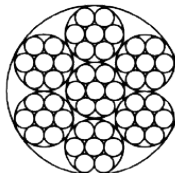
PVC COATING
STEEL WIRE ROPE

Mechanical property

Construction	Diameter(mm)	Weight(Kg/m)	Min. Breaking Load(MBL)(Kn)		
			1175N/mm²	1270N/mm²	1370N/mm²
6x7+FC	2~3	0.021	2.22	2.35	2.60
	2~3.5	0.025	2.22	2.35	2.60
	3~4	0.043	4.99	5.29	5.86
	3~5	0.053	4.99	5.29	5.86
	4~5	0.072	8.87	9.41	10.42
	4~5.5	0.078	8.87	9.41	10.42
	4~6	0.084	8.87	9.41	10.42
	5~6	0.109	13.87	14.70	16.28
6x7+IWSC (7x7)	5~7	0.123	13.87	14.70	16.28
	1.59~3.18	0.0220	/	1.60	1.78
	1.8~2.5	0.0190	/	2.06	2.28
	2~2.7	0.0206	2.40	2.54	2.81
	2.38~3.18	0.3000	3.40	3.60	3.99
	2.38~3.50	0.0323	3.40	3.60	3.99
	2.38~4	0.0369	3.40	3.60	3.99
	2.38~4.76	0.0437	3.40	3.60	3.99
	3.18~4.76	0.0564	6.05	6.42	7.11
	4.76~6.35	0.1173	13.58	14.40	15.94
	4.76~7.8	0.1250	13.58	14.40	15.94
	5~7.8	0.1350	15.00	15.90	17.60
	5~10	0.1750	15.00	15.90	17.60
	6~10	0.1944	21.60	22.90	25.36



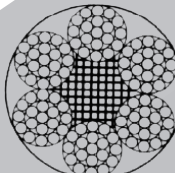
6x7+FC



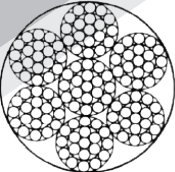
6x7+IWSC
(7x7)

Mechanical property

Construction	Diameter(mm)	Weight(Kg/m)	Min. Breaking Load(MBL)(Kn)		
			1175N/mm²	1270N/mm²	1370N/mm²
6x19+FC	2~3	0.021	2.22	2.35	2.60
	3.6~5.8	0.061	6.65	7.05	7.80
	6~8	0.168	18.50	19.60	21.70
	8~10	0.270	32.83	34.80	38.53
	9.3~11	0.355	49.97	52.97	58.65
	10~12	0.430	51.27	54.34	60.17
6x19+IWSC (7x19)	6.35~7.94	0.2020	22.36	23.70	26.24
	7.94~9.53	0.2950	34.95	37.04	41.00



6x19+FC



6x19+IWSC
(7x19)

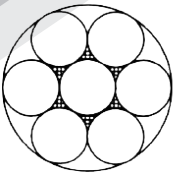
Main purposes:
PVC coating steel wire rope can be widely used in automobiles, shipbuilding, construction industry and all the needs of outdoor applications or special working environment. Mainly used in mine hoistage, meat processing plant upgrade machinery, ship anchors and fishing operations, fishing vessels trawling and so on.

STAINLESS STEEL WIRE ROPE

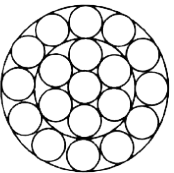
Mechanical property

Construction	Diameter(mm)	Weight(Kg/m)	Min. Breaking Load(MBL)(Kn)
1x7	0.15	0.10	24.50
	0.24	0.28	58.80
	0.30	0.44	93.10
	0.36	0.64	127.40
	0.40	0.75	156.80
	0.45	1.00	196.00
	0.50	1.25	254.80
	0.60	1.80	343.00
	0.75	2.80	558.60
	0.90	4.00	823.20
	1.00	4.80	999.60
1x19	1.20	7.00	1323.00
	0.60	1.75	343.00
	0.70	2.40	470.40
	0.80	3.10	617.40
	0.90	3.90	774.20
	1.00	4.90	950.60
	1.20	7.00	1274.00
	1.50	11.00	2254.00
	1.60	12.50	2597.00
	1.80	15.00	3136.00
	2.00	19.50	3822.00
	2.40	28.00	4802.00
	2.50	30.38	5586.00
	3.00	43.74	8036.00
	3.50	59.54	9310.00
	4.00	77.76	12740.00

Standard: GB9944-88
Material: 304/316/316L
It is used for chemical, engineering, aviation machineinstrument.



1x7

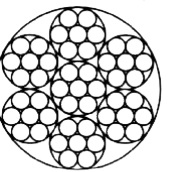


1x19

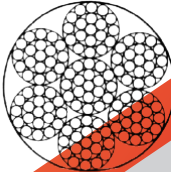
Mechanical property

Construction	Diameter(mm)	Weight(Kg/m)	Min. Breaking Load(MBL)(Kn)
6x7+IWSC (7x7)	1.00	0.004	/
	1.50	0.008	/
	1.60	0.012	2.15
	1.80	0.014	2.25
	2.00	0.017	2.94
	2.50	0.025	4.41
	3.00	0.035	6.37
	4.00	0.065	9.51
	5.00	0.095	14.70
6x19+IWSC (7x19)	6.00	0.135	18.62
	3.00	0.0375	6.37
	4.00	0.067	8.62
	5.00	0.097	16.66
	6.00	0.149	23.52
	8.00	0.266	40.05
	9.00	0.350	46.06
	9.50	0.362	53.40
	10.00	0.384	54.88
	12.00	0.550	73.50

Standard: GB9944-88
Material: 304/316/316L
It is used for chemical, engineering, aviation machineinstrument.



6x7+IWSC
(7x7)



6x19+IWSC
(7x19)



C-TYPE WIRE ROPE SWAGING MACHINE

- 1.The C-frame body is manufactured using cast integral molding and undergoes non-destructive testing.
- 2.It utilizes the most advanced and reliable domestic ultra-high pressure seals, which are wear-resistant, tolerant of high temperatures and pressure, offer a long service life, and provide excellent sealing performance.
- 3.The high-low pressure pump oil supply system employs simultaneous high and low pressure supply during the ascending and descending strokes, while using the high-pressure system for stable loading during the pressing process, significantly improving pressing quality and production efficiency.
- 4.The molds are made from high-quality mold steel and undergo processes such as high-temperature treatment, tempering, and quenching, making them robust and durable.
- 5.The hydraulic control system operates on an ultra-high pressure principle and features over-pressure protection functionality.



Model:L:SMC

SPECIFICATION

Model	SMC50	SMC150	SMC260	SMC350	SMC600
Capacity	500kN	1500kN	2600kN	3500kN	6000kN
Press range	1-5mm	6-14mm	6-18mm	6-24mm	6-34mm
Max.diameter (Multi-pressing)	6mm	16mm	22mm	28mm	40mm
Voltage & frequency	380V 50Hz Or As request				
Power	3kW	3kW	4kW	7.5kW	7.5kW
Max. Pressure	63Mpa				
Control pressure	10Mpa				
Working stroke	25mm	50mm	70mm	90mm	120mm
Piston working speed	12mm/s	10mm/s	8mm/s	8mm/s	8mm/s
Dimension (L*W*H)	1500 * 650 * 1550	900 * 530 * 1400	1400 * 640 * 1550	1500 * 650 * 1750	1790 * 680 * 1850
Weight (Approx.)	340kg	520kg	1400kg	3200kg	5200kg

H-TYPE WIRE ROPE SWAGING MACHINE

- 1.The frame utilizes pre-stressed steel wire winding technology, offering high structural strength and comes with a lifetime warranty.
- 2.The piston and cylinder guide ring sections employ the internationally advanced copper strip cladding technology, which not only extends seal life but also protects the cylinder and piston.
- 3.It uses domestically advanced and reliable ultra-high -pressure seals, which are wear-resistant, resistant to high temperatures and pressure, have a long service life, and provide effective sealing.
- 4.The molds are made of high-quality mold steel and undergo processes such as high-temperature treatment, tempering, and quenching, making them robust and durable.
- 5.The microcomputer intelligent control system allows for automatic adjustment and unloading based on the steel rope size, making operation more user-friendly.
- 6.The multi-pump and multi-motor system enables faster ascending and descending speeds, thereby increasing production efficiency.



Model:L:SMH

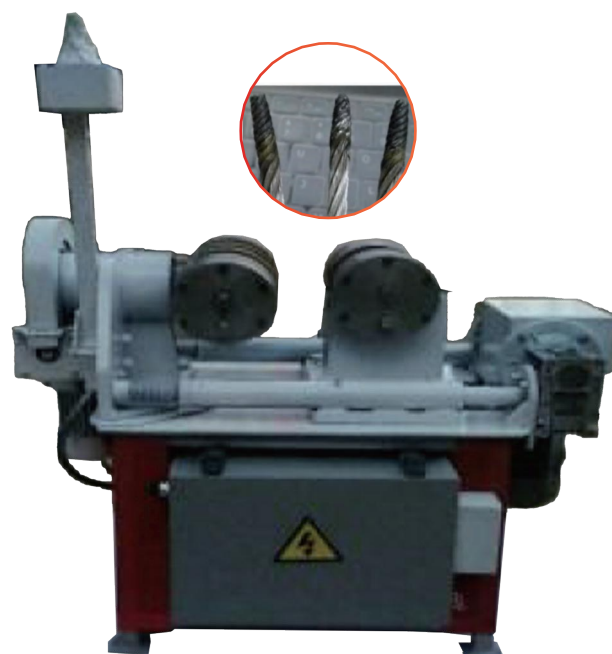
SPECIFICATION

Model	SMH600	SMH800	SMH1500	SMH2000	SMH3000	SMH5000
Capacity	6000kN	8000kN	15000kN	20000kN	30000kN	50000kN
Press range	6-34mm	16-38mm	16-56mm	32-65mm	32-86mm	Up to 110mm
Max.diameter (Multi-pressing)	40mm	48mm	60mm	70mm	96mm	120mm
Voltage & frequency	380V 50Hz Or As request					
Power	7.5kW	7.5kW	7.5kW * 2	7.5kW * 2	7.5kW * 2	7.5kW * 4
Max. Pressure	63Mpa					
Control pressure	12Mpa					
Working stroke	120mm	120mm	140mm	240mm	240mm	370mm
Piston working speed	9mm/s	8mm/s	7mm/s	8mm/s	7mm/s	9mm/s
Dimension (L*W*H)	900 * 530 * 1400	1400 * 950 * 2350	1690 * 1050 * 2650	2000 * 1300 * 3100	2000 * 990 * 3400	2440 * 1270 * 430
Weight (Approx.)	2500kg	5200kg	6800kg	11000kg	20000kg	56000kg
Noise Level	≤70dB					
Color	Blue or as request					



SEMI-AUTOMATIC WIRE ROPE ANNEALING MACHINE

- 1.The main components of the equipment are made of copper alloy casting, ensuring safety and durability.
- 2.It can clamp steel ropes of different diameters by adjusting the fixture's opening and closing, eliminating the need for fixture replacement.
- 3.The rope twisting and stretching operations are controlled via a handle, which features a button for power activation, making the process simple and user-friendly.
- 4.The semi-automatic steel rope annealing machine uses a speed reducer to drive the rotation and stretching of the lead screw, reducing manual labor and delivering a cleaner, more aesthetically pleasing cut.



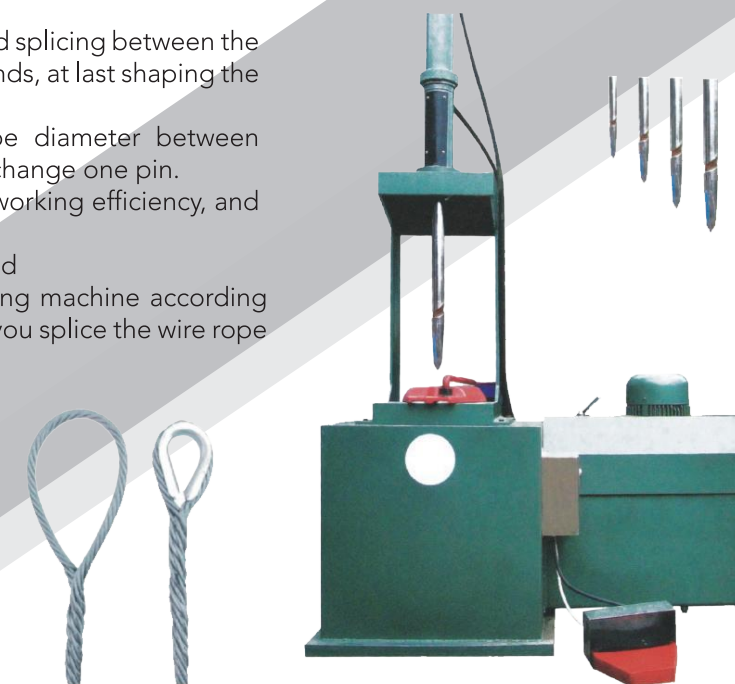
Model: SAM

SPECIFICATION

Model	SAM-20	SAM-40	SAM-A60
Range	6-20mm	16-40mm	16-60mm
Voltage	380V Or As request		
Current range	40-50A(V)	70-80A(V)	90-100A(V)
Dimension (L*W*H)	620*450*1000	900*650*1450	1090*780*1650
Weight (Approx.)	280kg	480kg	970kg
Current Level	3 Levels		
	Semi -Automatic		
	smoke evacuation system (Optional)		

HYDRAULIC SPLICING MACHINE

1. Cutting off the wire rope for one time, and splicing between the two sides, then cutting away the no use strands, at last shaping the splicing section.
2. The machine can splice the wire rope diameter between 10mm~80mm, different sizes only need to change one pin.
3. Reduce the working force, increase the working efficiency, and save the wire rope cost.
4. This machine is right reversal splicing, and WORKMATES can make left reversal splicing machine according to your need. You must make instruction if you splice the wire rope diameter between 80mm~120mm.



Model: HSM

SPECIFICATION

Model	HSM-32	HSM-51	HSM-80
Rope Diameter (mm)	10~32	10~51	10~80
Rope Cutting Scope (mm)	0.3~30	0.3~30	0.3~30
Strand Cutting Scope (mm)	0.3~10	0.3~10	0.3~10
Shaping Scope (mm)	10~32	10~32	10~32
Power (Kw)	4	4	≤12
Voltage (V)	380V	380V	380V
Frequency (Hz)	50	50	50
Rotate Speed (r/min)	960	960	960
Measurement (mm)	1270x630x2170	3120x660x3100	5320x920x2880
Weight (Kg)	502	777	1439





Relativity Table For Dies , Aluminium Ferrules And Wire Ropes (DIN Standard)

Aluminium Ferrules A	Dies A	Wire rope dia. with fibre core(mm) Fill factor(0.4-0.5)	Wire rope dia. with steel core(mm) Fill factor(0.5-0.6)	Dia. after pressing (GB91-76)		Pressure (Kn)
				mm	Tolerance	
50	50	48.4~52.5	44.2~47.9	100	+1.6	12500
52	52	52.0~54.6	46.3~47.9	104		13500
54	54	52.6~56.7	48.0~51.7	108		14600
56	56	56.0~58.8	50.5~51.9	112	+1.7	15700
58	58	56.8~60.9	51.8~55.6	116		16800
60	60	60.6~63.0	54.7~55.9	120		18000
62	62	61.0~65.1	55.7~59.4	124	+1.8	19200
66	66	65.2~69.3	59.5~63.2	132		22000
70	70	69.4~73.5	63.3~67.1	140		24500
74	74	73.6~77.7	67.2~70.9	148	+2	27000
78	78	77.8~81.9	71.0~74.7	156		30000
82	82	82.0~86.1	74.8~78.6	164		34000
86	86	85.1~90.3	77.7~82.4	172	+2.2	37000
94	94	93.7~98.7	82.5~90.2	188		44200
116	116	113.4~121.8	105.5~111.1	232	+2.6	67000
126	126	121.9~132.3	111.1~120.7	252		79000

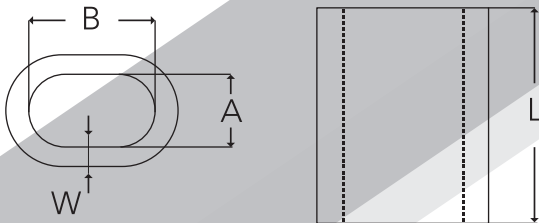


Aluminum sleeve

PSEC.	ROPE DIA.	INS. DIA	OUT. DIA	OUT. WIDTH	INS. WIDTH	LENGTH	WEIGHT
SLEEVE CODE	inch	(mm)	(mm)	(mm)	(mm)	(mm)	Kg
1/1 6"	1.6 0	1.9 8	4.3 7	4.3 5	4.0 0	9.6 0	0.0 0400
5/6 4"	2.0 0	2.3 9	5.5 6	7.9 5	4.8 0	9.6 0	0.0 0700
3/3 2"	2.4 0	3.3 0	7.0 6	10.2 6	6.5 0	12. 70	0.0 0150
1/8 "	3.2 0	3.9 6	8.7 1	12. 70	7.9 0	15. 90	0.0 0290
5/3 2"	4.0 0	4.7 5	9.5 3	14. 28	9.5 0	17. 50	0.0 0360
3/1 6"	5.1 0	5.6 6	11. 20	16. 89	11. 40	25. 40	0.0 0700
7/3 2"	5.6 0	6.3 5	12. 70	19. 05	12. 70	27. 40	0.0 1000
1/4 "	6.4 0	7.3 7	13. 61	20. 78	14. 60	28. 60	0.0 1100
9/3 2"	7.1 0	7.9 2	14. 27	22. 35	16. 00	32. 20	0.0 1300
5/1 6"	8.0 0	9.5 3	17. 45	26. 19	18. 30	31. 70	0.0 2100
3/8 "	9.5 0	11. 13	19. 05	29. 36	21. 40	36. 50	0.0 2700
7/1 6"	11. 10	12. 70	23. 08	36. 50	25. 40	42. 80	0.0 5300
1/2 "	12. 70	14. 27	27. 00	41. 28	28. 50	50. 80	0.0 8000



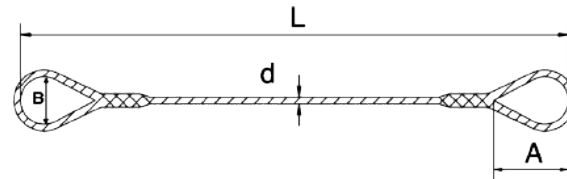
ALUMINNINUM FERRULES DIN3093



SLEEVE CODE	A (mm)	B (mm)	W (mm)	L (mm)	N. W (Kg) (PER 1000PCS)
1	1.2	2.4	0.6 5	5	0.0 94
1.5	1.7	3.4	0.7 5	6	0.2 11
2	2.2	4.4	0.8 5	7	0.3 75
2.5	2.7	5.4	1.0 5	9	0.4 99
3	3.3	6.6	1.2 5	11	0.8 43
3.5	3.8	7.6	1.5	13	1.3 2
4	4.4	8.8	1.7	14	1.8 1
4.5	4.9	9.8	1.9	16	2.6 1
5	5.5	11.0	2.1	18	3.5 7
6	6.6	13.2	2.5	21	5.8 6
6.5	7.2	14.4	2.7	23	7.5 5
7	7.8	15.6	2.9	25	9.5
8	8.8	17.6	3.3	28	13. 7
9	9.9	19.8	3.7	32	19. 8
10	10.9	21.8	4.1	35	26. 4
11	12.1	24.2	4.5	39	35. 8
12	13.2	26.4	4.9	42	45. 8
13	14.2	28.4	5.4	46	59. 7
14	15.3	30.6	5.8	49	73. 5
16	17.5	35.0	6.7	56	111
18	19.6	39.2	7.6	63	156
20	21.7	43.4	8.4	70	217
22	24.3	48.6	9.2	77	292
24	26.4	52.8	10.0	84	376
26	28.5	57.0	10.9	91	481
28	31.0	62.0	11.7	98	603
30	33.1	66.2	12.5	105	739
32	35.2	70.4	13.4	112	897
34	37.8	75.6	14.2	119	1077
36	39.8	79.6	15.0	126	1275
38	41.9	83.8	15.8	133	1503
40	44.0	88.0	16.6	140	1734
42	46.2	92.4	17.5	147	2024
44	48.4	96.8	18.3	154	2314
46	50.6	101.2	19.2	161	2662
48	52.8	105.6	20.0	168	3010
50	55.0	110.0	20.8	175	3412
52	57.2	114.4	21.6	182	3813
54	59.4	118.8	22.5	189	4293
56	61.6	123.2	23.3	196	4772
58	63.8	127.6	24.2	203	5326
60	66.0	132.0	25.0	210	5880



SWAGED JOINT SOFT LOOP SLINGS



Rope Dia. (mm)	Soft loop Dia.(mm)		MBL (T)	Working Load Limit (T)		Rope Dia. (mm)	Soft loop Dia.(mm)		MBL (T)	Working Load Limit (T)	
	A	B		n=5	n=6		A	B		n=5	n=6
5	130	65	1.25	0.25	0.20	54	1000	500	146.84	29.40	24.50
6	150	75	1.80	0.36	0.30	56	1000	500	157.04	31.40	26.20
7	150	75	2.46	0.50	0.40	58	1200	600	169.27	33.90	28.20
8	200	100	3.21	0.60	0.50	60	1200	600	180.49	36.10	30.10
9	200	100	4.07	0.80	0.70	62	1200	600	185.59	37.10	31.00
10	200	100	5.03	1.00	0.80	64	1300	650	197.82	40.00	33.00
11	230	115	6.08	1.20	1.00	66	1300	650	210.06	42.00	35.00
12	230	115	7.23	1.50	1.20	68	1400	700	223.32	44.70	37.20
13	230	115	8.49	1.70	1.40	70	1400	700	236.57	47.30	39.40
14	250	125	9.85	2.00	1.60	72	1400	700	249.93	50.00	41.60
16	300	150	12.85	2.60	2.10	74	1500	750	264.01	52.80	44.00
18	300	150	16.32	3.30	2.70	76	1500	750	278.38	55.70	46.40
20	350	175	20.09	4.00	3.40	78	1600	800	293.68	58.70	49.00
22	350	175	24.27	4.90	4.10	80	1600	800	307.95	61.10	51.30
24	450	225	28.96	5.80	4.80	82	1600	800	324.27	64.90	54.00
26	450	225	33.96	6.80	5.70	84	1700	850	339.57	67.90	56.60
28	500	250	39.36	7.90	6.60	86	1700	850	356.90	71.40	59.50
30	500	250	45.17	9.00	7.50	88	1800	900	373.22	74.60	62.20
32	550	275	51.39	10.30	8.60	90	1800	900	390.55	78.10	65.10
34	600	300	58.12	11.60	9.70	92	1800	900	407.89	81.60	68.00
36	600	300	65.06	13.00	10.80	94	1900	950	426.24	85.30	71.00
38	600	300	72.50	14.50	12.10	96	1900	950	444.60	88.90	74.10
40	700	350	80.35	16.10	13.40	98	2000	1000	462.95	92.60	77.20
42	800	400	88.61	17.70	14.80	100	2000	1000	482.33	96.50	80.40
44	800	400	97.28	19.50	16.20	102	2000	1000	501.10	100.40	83.60
46	900	450	106.05	21.20	17.70	104	2100	1050	521.07	104.20	86.90
48	900	450	116.25	23.30	19.40	106	2100	1050	541.47	108.30	90.30
50	1000	500	125.43	25.10	21.00	108	2200	1100	561.86	112.40	93.60
52	1000	500	135.62	27.10	22.70	110	2200	1100	583.28	116.70	97.20

1. Steel wire rope with diameters from 05 to 060 are 6x37+FC-1670N/mm² type complying to the GB/T201118 standard, while the ones with diameters from 62 to 100 are 6x61+FC-1670N/mm² type complying to the GB/T20067 standard.
2. Values "A" or "B" can be customized. Otherwise, the values in the table apply.
3. "L" value meets client requirements; n=5 and n=6 are safety factors, determine by users.

SWAGED WIRE ROPE SLING ASSEMBLY



Code	Rope Dia. (mm)	Single-limb Working Load (Kn)	Double-limb Working Load (Kn)α≤90°	Double-limb Working Load (Kn)90°≤α≤120°	Four-limb Working Load (Kn)α≤90°	Four-limb Working Load (Kn)90°≤α≤120°
06	6	2.90	4.10	2.90	6.10	4.40
08	8	4.90	6.90	4.90	10.30	7.40
10	10	7.90	11.00	7.90	16.60	11.90
12	12	11.80	16.50	11.80	24.80	17.70
14	14	15.70	22.00	15.70	33.00	23.60
16	16	21.60	30.00	21.60	45.40	32.40
18	18	26.50	37.00	26.50	55.70	39.80
20	20	32.40	45.00	32.40	68.00	48.60
24	24	49.00	68.60	49.00	102.90	73.50
28	28	68.60	96.00	68.60	144.10	102.90
32	32	88.30	123.60	88.30	185.40	132.50
38	38	117.70	165.00	117.70	247.00	176.60
40	40	132.40	185.00	132.40	278.00	199.00
44	44	147.00	206.00	147.00	309.00	221.00
52	52	216.00	302.40	216.00	450.00	324.00
56	56	257.00	359.80	257.00	540.00	386.00
64	64	335.00	469.00	335.00		
70	70	400.00	560.00	400.00		

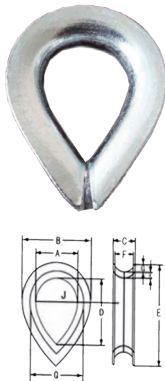
Note:

1. The steel wire ropes are 1670N/mm² fiber core type.
2. "L" value meets client requirements.



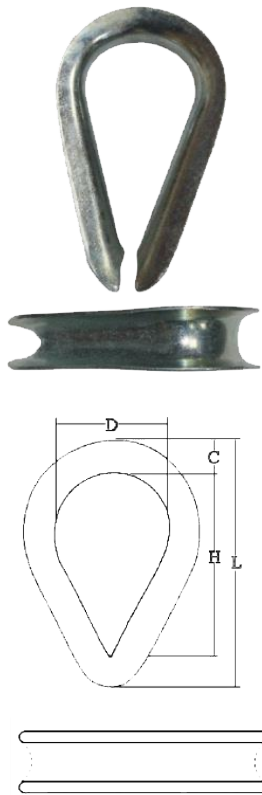
THIMBLES FOR STEEL WIRE ROPE

BS464 TYPE THIMBLE



Product Code	Rope Dia (in)	Dimensions(in)										Weight Each (Kg/pc)
		A	B	C	D	E	F	G	K	Q		
BS464 0601	5/16"	22.2	38	12.7	33.4	52	7.9	4	4	30.1		0.077
BS464 0602	3/8"	25.4	47.6	14.3	38	64	10.3	6.3	4.8	35		0.1
BS464 0603	7/16"	28.6	52	17.5	41.3	73	12.7	7.9	4.8	38		0.107
BS464 0604	1/2"	31.7	53.8	20.6	44.5	79.4	14.3	7.9	5.5	42.9		0.17
BS464 0605	9/16"	31.7	58.8	20.6	44.5	79.4	14.3	7.9	5.5	42.9		0.189
BS464 0606	5/8"	41.3	74.5	22.2	58.8	95.8	15.9	8.7	7.9	56		0.3
BS464 0607	3/4"	50.8	92	28.6	73	124	20.6	11.1	9.5	69.8		0.6
BS464 0608	7/8"	56	102	31.7	82.5	133	22.2	12.7	9.5	76.2		0.69
BS464 0609	1	68.8	119	35	108	162	27	14.3	10.3	90.5		1.15
BS464 0610	1.18	76.2	133	38	112	178	28.6	15.9	12.7	102		1.4
BS464 0611	1.14	95	152	41.3	133	197	33.4	15.9	12.7	121		1.5
BS464 0612	8.13	105	175	47.6	152	228	38	19	15.9	137		2.5
BS464 0614	11.2	114	197	52	165	254	41.3	23.8	17.5	149		3.75
BS464 0615	8.15	114	197	58.6	165	254	42.9	23.8	17.5	149		3.91
BS464 0616	4.13	127	228	56	178	286	50.8	25.4	25.4	178		6.67
BS464 0617	8.17	133	248	66.6	190	317	60.4	28.6	28.6	190		8.42
BS464 0618	2	140	257	69.8	203	330	64	28.6	28.6	197		9.98

WIRE ROPE THIMBLE DIN6899

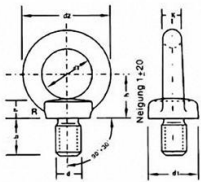


Thimble generally to B DIN6899						
Diameter rope(mm)	Groove width(mm)	Back thickness (mm)	Inside width(mm)	Inside length(mm)	Overall length(mm)	App. Weight per 100 Purchase(Kg)
	B	C	D	H	L	
2.5	3	1.6	12	19	22	0.5
3.5	4	1.6	13	21	26	0.8
4	5	1.9	14	23	32	1
5	6	2.4	16	25	38	1.6
6	7	2.4	18	28	44	1.9
7	8	2.8	20	32	51	3
9	10	3.1	24	38	57	4.7
11	12	3.3	28	45	64	6.8
13	13	3.3	30	48	70	8
13	14	3.7	32	51	76	10
15	16	3.8	36	58	83	14.5
16	17	4.7	38	61	89	18
17	18	4.7	40	64	95	20
18	20	5.7	45	72	102	29
20	22	5.7	50	80	114	32
22	24	6.5	56	90	127	47
24	26	6.8	62	99	140	58
26	28	8	70	112	152	80
28	30	8	75	120	165	110
30	32	8	80	128	178	123
32	34	8.5	95	152	203	156
34	36	8.5	100	160	216	176
36	38	8.5	110	176	229	192
38	40	10.5	115	184	241	292
40	42	10.5	120	192	254	320
42	45	10.5	150	240	305	364

EYE SCREW

Eye Screw Din580 Finish:Bright or Galvnized

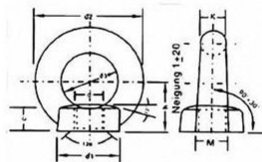
Side d	WLL(T)	WLL(T)	Dimensions(mm)							Weight % (Kg)
			d1	d2	d3	b	e	h	k	
M6*	0.07	0.05	17	28	16	13	6	17	6	5
M8*	0.14	0.095	20	36	20	15	6	18	8	6
M10*	0.23	0.17	25	45	25	18	8	22	10	11
M12	0.34	0.24	30	54	30	22	10	26	12	18
M14*	0.49	0.34	35	63	35	28	12	30	14	28.5
M16*	0.7	0.50	35	63	35	28	12	30	14	28
M20	1.2	0.83	40	72	40	30	12	35	16	45
M22*	1.5	1.05	45	81	45	35	14	40	18	67
M24	1.8	1.27	50	90	50	38	16	45	20	87
M27*	2.5	1.65	50	90	50	38	18	45	20	88
M30	3.6	2.60	65	108	60	45	18	55	24	166
M33*	4.3	3.20	65	108	60	45	22	55	24	172
M36	5.1	3.70	75	126	70	55	22	65	28	265
M39*	6.1	4.30	75	126	70	55	26	65	28	280
M42	7.0	5.00	85	144	80	65	30	75	32	403
M45*	8.0	5.50	85	144	80	65	30	75	32	425
M48	8.6	6.10	100	166	90	70	35	85	38	638
M52*	9.9	7.30	100	166	90	70	35	85	38	660
M56	11.5	8.30	110	184	100	80	38	95	42	880
M64	16.0	11.0	120	206	110	90	42	100	48	1240



Model :DIN580

Ring-Nut Din582 Finish:Bright or Galvnized

Side d	WLL(T)	WLL(T)	Dimensions(mm)						Weight %(Kg)
			d1	d2	d3	e	h	k	
M6*	-	-	20	36	20	8.5	18	8	4.9
M8*	0.14	0.095	20	36	20	8.5	18	8	5
M10*	0.23	0.17	25	45	25	10	22	10	9
M12	0.34	0.24	30	54	30	11	26	12	16
M16	0.7	0.5	35	63	35	13	30	14	24
M20	1.2	0.83	40	72	40	16	35	16	36
M22*	1.5	1.05	45	81	45	18	40	18	58
M24	1.8	1.27	50	90	50	20	45	20	72
M27*	2.5	1.65	50	90	50	20	45	20	70
M30	3.6	2.6	65	108	60	25	55	24	132
M33*	4.3	3.2	65	108	60	25	55	24	130
M36	5.1	3.7	75	126	70	30	65	28	208
M39*	6.1	4.3	75	126	70	30	65	28	202
M42	7	5	85	144	80	35	75	32	311
M45*	8	5.5	85	144	80	35	75	32	304
M48	8.6	6.1	100	166	90	40	85	38	502
M52*	9.9	7.3	100	166	90	40	85	38	495
M56	11.5	8.3	110	184	100	45	95	42	669
M64	16	11	120	206	110	50	105	48	930

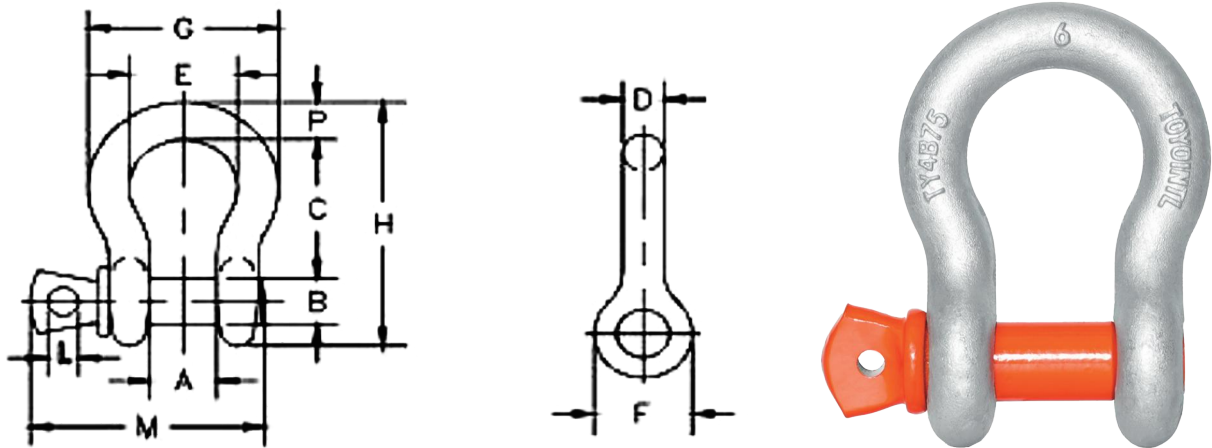


Model :DIN582



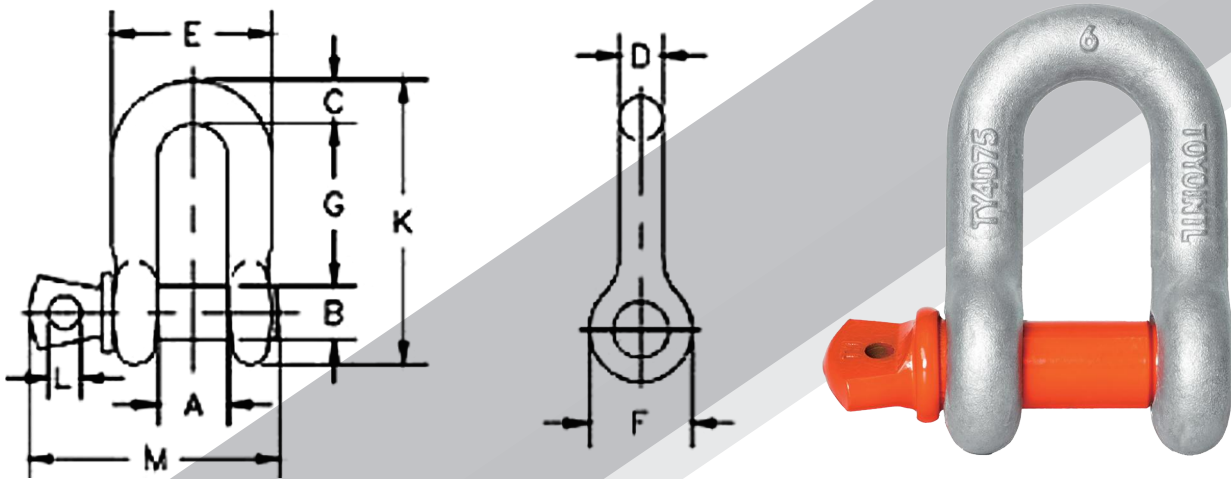
SHACKLE

US TYPE SCREW PIN BOW SHACKLE G209 S209



Nominal Size (in.)	Working Load Limit(t)	Weight Each (lbs.)	Dimensions(in.)												Tolerance +/-	
			A	B	C	D	E	F	G	H	L	M	P	C	A	
3/16	1/3	0.06	0.38	0.25	0.88	0.19	0.60	0.56	0.98	1.47	0.16	1.12	0.19	0.06	0.06	
1/4	1/2	0.10	0.47	0.31	1.13	0.25	0.78	0.61	1.28	1.84	0.19	1.38	0.26	0.06	0.06	
5/16	3/4	0.19	0.53	0.38	1.22	0.31	0.84	0.75	1.47	2.09	0.22	1.66	0.31	0.06	0.06	
3/8	1	0.31	0.66	0.44	1.44	0.38	1.03	0.91	1.78	2.49	0.25	2.03	0.38	0.13	0.06	
7/16	1-1/2	0.38	0.75	0.50	1.69	0.44	1.16	1.06	2.03	2.91	0.31	2.38	0.44	0.13	0.06	
1/2	2	0.72	0.81	0.63	1.88	0.50	1.31	1.19	2.31	3.28	0.38	2.69	0.50	0.13	0.06	
5/8	3-1/4	1.37	1.06	0.75	2.38	0.63	1.69	1.50	2.94	4.19	0.44	3.34	0.69	0.13	0.06	
3/4	4-3/4	2.35	1.25	0.88	2.81	0.75	2.00	1.81	3.50	4.97	0.50	3.97	0.81	0.25	0.06	
7/8	6-1/2	3.62	1.44	1.00	3.31	0.88	2.28	2.09	4.03	5.83	0.50	4.50	0.97	0.25	0.06	
1	8-1/2	5.03	1.69	1.13	3.75	1.00	2.69	2.38	4.69	6.56	0.56	5.07	1.06	0.25	0.06	
1-1/8	9-1/2	7.41	1.81	1.25	4.25	1.16	2.91	2.69	5.16	7.47	0.63	5.59	1.25	0.25	0.06	
1-1/4	12	9.50	2.03	1.38	4.69	1.29	3.25	3.00	5.75	8.25	0.69	6.16	1.38	0.25	0.06	
1-3/8	13-1/2	13.53	2.25	1.50	5.25	1.42	3.63	3.31	6.38	9.16	0.75	6.84	1.50	0.25	0.13	
1-1/2	17	17.20	2.38	1.63	5.75	1.54	3.88	3.63	6.88	10.00	0.81	7.35	1.62	0.25	0.13	
1-3/4	25	27.78	2.88	2.00	7.00	1.84	5.00	4.19	8.86	12.34	1.00	9.08	2.25	0.25	0.13	
2	35	45.00	3.25	2.25	7.75	2.08	5.75	4.81	9.97	13.68	1.22	10.34	2.40	0.25	0.13	
2-1/2	55	85.75	4.13	2.75	10.50	2.71	7.25	5.69	12.87	17.84	1.38	13.00	3.13	0.25	0.25	

US TYPE SCREW PIN DEE SHACKLE G210 S210

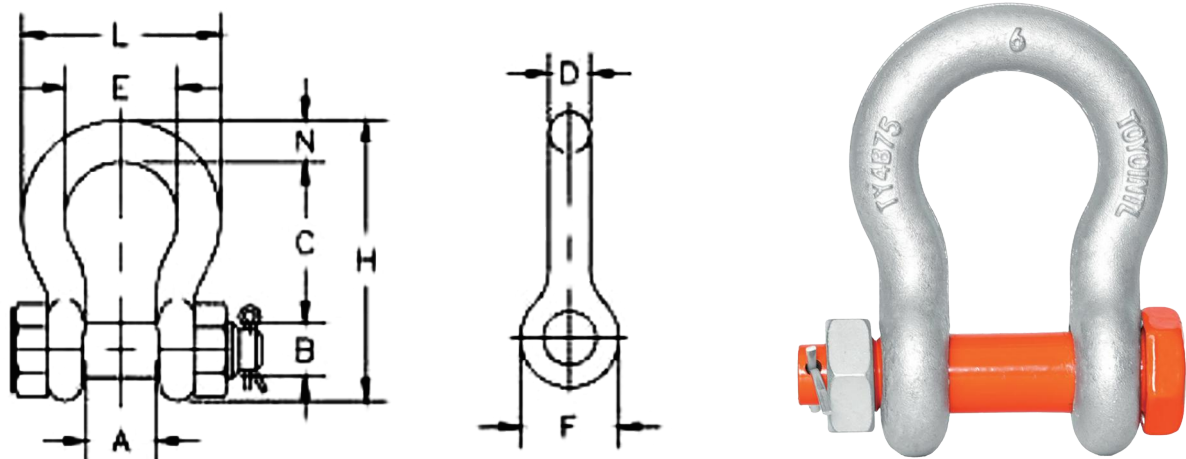


Nominal Size (in.)	Working Load Limit(t)	Weight Each (lbs.)	Dimensions(in.)											Tolerance +/-	
			A	B	C	D	E	F	G	K	L	M	G	A	
1/4	1/2	0.11	0.47	0.31	0.25	0.25	0.97	0.62	0.97	1.59	0.19	1.43	0.06	0.06	
5/16	3/4	0.17	0.53	0.38	0.31	0.31	1.15	0.75	1.07	1.91	0.22	1.71	0.06	0.06	
3/8	1	0.28	0.66	0.44	0.38	0.38	1.42	0.92	1.28	2.31	0.25	2.02	0.13	0.06	
7/16	1-1/2	0.43	0.75	0.50	0.44	0.44	1.63	1.06	1.48	2.67	0.31	2.37	0.13	0.06	
1/2	2	0.59	0.81	0.63	0.50	0.50	1.81	1.18	1.66	3.03	0.38	2.69	0.13	0.06	
5/8	3-1/4	1.25	1.06	0.75	0.63	0.63	2.32	1.50	2.04	3.76	0.44	3.34	0.13	0.06	
3/4	4-3/4	2.63	1.25	0.88	0.81	0.75	2.75	1.81	2.40	4.53	0.50	3.97	0.25	0.06	
7/8	6-1/2	3.16	1.44	1.00	0.97	0.88	3.20	2.10	2.86	5.33	0.50	4.50	0.25	0.06	
1	8-1/2	4.75	1.69	1.13	1.00	1.00	3.69	2.38	3.24	5.94	0.56	5.13	0.25	0.06	
1-1/8	9-1/2	6.75	1.81	1.25	1.25	1.13	4.07	2.69	3.61	6.78	0.63	5.71	0.25	0.06	
1-1/4	12	9.06	2.03	1.38	1.38	1.25	4.53	3.00	3.97	7.50	0.69	6.25	0.25	0.13	
1-3/8	13-1/2	11.63	2.25	1.50	1.50	1.38	5.01	3.31	4.43	8.28	0.75	6.83	0.25	0.13	
1-1/2	17	15.95	2.38	1.63	1.62	1.50	5.38	3.62	4.84	9.05	0.81	7.33	0.25	0.13	
1-3/4	25	26.75	2.88	2.00	2.12	1.75	6.38	4.19	5.78	10.97	1.00	9.06	0.25	0.13	
2	35	42.31	3.25	2.25	2.36	2.10	7.25	5.00	6.77	12.74	1.13	10.35	0.25	0.13	
2-1/2	55	71.75	4.12	2.75	2.63	2.63	9.38	5.68	8.07	14.85	1.38	13.00	0.25	0.25	

NOTE: Minimum Proof Load is 2.0 times the Working Load Limit. Maximum Ultimate Strength is 6 times the Working Load Limit. For Working Load Limit reduction due to side loading applications. in=25.4mm lbs=0.4536kg

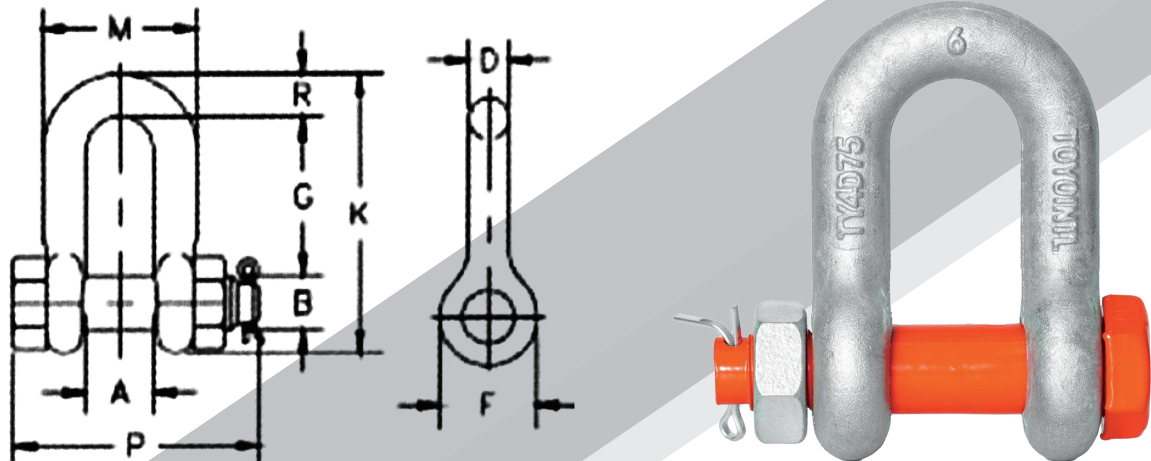


US BOLT TYPE BOW SHACKLE G2130 S2130



Nominal Size (in.)	Working Load Limit (t)	Weight Each (lbs.)	Dimensions(in.)									Tolerance +/-	
			A	B	C	D	E	F	H	I	N	C	A
3/16	1/3	0.06	0.38	0.25	0.88	0.19	0.60	0.56	1.47	0.98	0.19	0.06	0.06
1/4	1/2	0.11	0.47	0.31	1.13	0.25	0.78	0.61	1.84	1.28	0.25	0.06	0.06
5/16	3/4	0.22	0.53	0.38	1.22	0.31	0.84	0.75	2.09	1.47	0.31	0.06	0.06
3/8	1	0.33	0.66	0.44	1.44	0.38	1.03	0.91	2.49	1.78	0.38	0.13	0.06
7/16	1-1/2	0.49	0.75	0.50	1.69	0.44	1.16	1.06	2.91	2.03	0.44	0.13	0.06
1/2	2	0.79	0.81	0.64	1.88	0.50	1.31	1.19	3.28	2.31	0.50	0.13	0.06
5/8	3-1/4	1.68	1.06	0.77	2.38	0.63	1.69	1.50	4.19	2.94	0.69	0.13	0.06
3/4	4-3/4	2.72	1.25	0.89	2.81	0.75	2.00	1.81	4.97	3.50	0.81	0.25	0.06
7/8	6-1/2	3.95	1.44	1.02	3.31	0.88	2.28	2.09	5.83	4.03	0.97	0.25	0.06
1	8-1/2	5.66	1.69	1.15	3.75	1.00	2.69	2.38	6.56	4.69	1.06	0.25	0.06
1-1/8	9-1/2	8.27	1.81	1.25	4.25	1.13	2.91	2.69	7.47	5.16	1.25	0.25	0.06
1-1/4	12	11.71	2.03	1.40	4.69	1.29	3.25	3.00	8.25	5.75	1.38	0.25	0.06
1-3/8	13-1/2	15.83	2.25	1.53	5.25	1.42	3.63	3.31	9.16	6.38	1.50	0.25	0.13
1-1/2	17	20.80	2.38	1.66	5.75	1.53	3.88	3.63	10.00	6.88	1.62	0.25	0.13
1-3/4	26	33.91	2.88	2.04	7.00	1.84	5.00	4.19	12.34	8.80	2.25	0.25	0.13
2	35	52.25	3.25	2.30	7.75	2.08	5.75	4.81	13.68	10.15	2.40	0.25	0.13
2-1/2	55	98.25	4.13	2.80	10.50	2.71	7.25	5.69	17.90	12.75	3.13	0.25	0.25
3	85	154.00	5.00	3.30	13.00	3.12	7.88	6.50	21.50	14.62	3.62	0.25	0.25
3-1/2	120	265.00	5.25	3.76	14.63	3.62	9.00	8.00	24.88	17.02	4.38	0.25	0.25
4	150	338.00	5.50	4.26	14.50	4.00	10.00	9.00	25.68	18.00	4.56	0.25	0.25

US BOLT TYPE DEE SHACKLE G2150 S2150



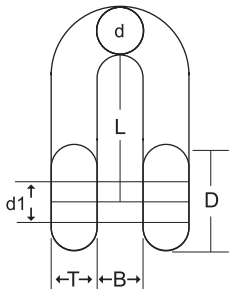
Nominal Size (in.)	Working Load Limit (t)	Weight Each (lbs.)	Dimensions(in.)									Tolerance +/-	
			A	B	D	F	G	K	M	P	R	G	A
1/4	1/2	0.13	0.47	0.31	0.25	0.62	0.91	1.59	0.97	1.56	0.25	0.06	0.06
5/16	3/4	0.23	0.53	0.38	0.31	0.75	1.07	1.91	1.15	1.82	0.31	0.06	0.06
3/8	1	0.33	0.66	0.44	0.38	0.92	1.28	2.31	1.42	2.17	0.38	0.13	0.06
7/16	1-1/2	0.49	0.75	0.50	0.44	1.06	1.48	2.67	1.63	2.51	0.44	0.13	0.06
1/2	2	0.75	0.81	0.64	0.50	1.18	1.66	3.03	1.81	2.80	0.50	0.13	0.06
5/8	3-1/4	1.47	1.06	0.77	0.63	1.50	2.04	3.76	2.32	3.56	0.63	0.13	0.06
3/4	4-3/4	2.52	1.25	0.89	0.75	1.81	2.40	4.53	2.75	4.15	0.81	0.25	0.06
7/8	6-1/2	3.85	1.44	1.02	0.88	2.10	2.86	5.33	3.20	4.82	0.97	0.25	0.06
1	8-1/2	5.55	1.69	1.15	1.00	2.38	3.24	5.94	3.69	5.39	1.00	0.25	0.06
1-1/8	9-1/2	7.60	1.81	1.25	1.13	2.68	3.61	6.78	4.07	5.90	1.25	0.25	0.06
1-1/4	12	10.81	2.03	1.40	1.25	3.00	3.97	7.50	4.53	6.69	1.38	0.25	0.06
1-3/8	13-1/2	13.75	2.25	1.53	1.38	3.31	4.43	8.28	5.01	7.21	1.50	0.25	0.13
1-1/2	17	18.50	2.38	1.66	1.50	3.62	4.87	9.05	5.38	7.73	1.62	0.25	0.13
1-3/4	25	31.40	2.88	2.04	1.75	4.19	5.82	10.97	6.38	9.33	2.12	0.25	0.13
2	35	46.75	3.25	2.30	2.10	5.00	6.82	12.74	7.25	10.41	2.36	0.25	0.13
2-1/2	55	85.00	4.12	2.80	2.63	5.68	8.07	14.85	9.38	13.58	2.63	0.25	0.25
3	85	124.25	5.00	3.25	3.00	6.50	8.56	16.87	11.00	15.13	3.50	0.25	0.25

NOTE: Maximum Proof load is 2.0 times the Working Load Limit. Minimum Ultimate Strength is 2 times the Working Load Limit. For Working Load Limit reduction due to side loading applications. * Individually Proof Tested with certification. *Furnished in Anchor style only and furnished with Round Head Bolts with welded handles. 1in=25.4mm Lbs=0.4536kg



SHACKLE COMMERCIAL TYPE JIS STANDARD

Material: Mild Carbon Steel & Stainless Steel ANSI 304/316

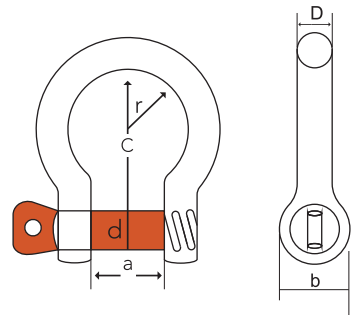


Nominal Size		Dimensions(mm)					SWL	
mm	in	B	D	L	d1		Ton	Kg
4.8	3/16	10	10	18.5	5.0		0.09	0.014
6	1/4	12	11	25	6.5		0.15	0.028
8	5/16	14	15	31	8.5		0.25	0.049
9	3/8	18	17	36	10		0.4	0.049
12	1/2	24	23	46	13		0.6	0.18
16	5/8	30	32	59	17		0.8	0.42
19	1/3	36	37	74	20		1.0	0.72
22	7/8	43	43	86	23		1.5	1.18
25	1	47	50	95	27		2.0	1.8
28	1-1/8	55	56	110	30		2.5	2.5
32	1-1/4	64	64	130	34		3.2	3.7
38	1-1/2	76	76	145	40		4.2	6.1
44	1-3/4	80	90	160	47		6.5	-
50	2	100	100	185	53		8	-
65	2-1/2	110	130	240	68		15	-
75	2	120	150	300	78		20	-

EUROPEAN TYPE LARGE BOW SHACKLE

SAME SIZE DIAMETER PIN WITH BODY

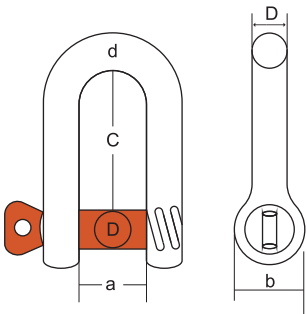
Material: Mild Carbon Steel & Stainless Steel ANSI 304/316



SWL(Kg)	Dimensions(mm)						Approx 100pcs/WT(Kg)
	D	d	a	c	r	b	
80	5	5	10	19	8	11	1.9
100	6	6	13	25	10	14	34
200	8	8	16	32	12	18	7
320	10	10	19	38	16	20	13
520	12	12	25	51	19	26	26
800	16	16	32	64	28	33	50
1100	20	20	38	76	33	40	80
1500	22	22	44	89	37	50	130
2100	25	25	51	100	40	57	200
3000	28	28	57	115	47	68	310
3500	32	32	64	127	52	73	430
5000	38	38	76	152	63	85	700
7000	45	45	90	180	75	96	1250
8000	50	50	102	200	78	108	1750

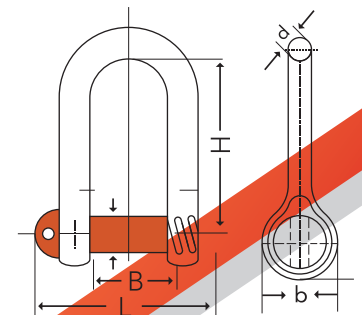
EUROPEAN TYPE LARGE DEE SHACKLE

SAME SIZE DIAMETER PIN WITH BODY



SWL(Kg)	Dimensions(mm)					Weight per 100pcs(Kg)
	D	d	a	c	b	
80	5	5	10	19	11	1.9
100	6	6	13	25	14	3.4
200	8	8	16	32	18	7
320	10	10	19	38	20	13
520	12	12	25	51	26	24
800	16	16	32	64	33	50
1100	20	20	38	76	40	80
1500	22	22	44	89	50	130
2100	25	25	51	100	57	200
3000	28	28	57	115	68	300
3500	32	32	64	127	73	430
5000	38	38	76	152	85	675
7000	45	45	90	180	96	1250
8000	50	50	102	200	108	1750

HEAVY SHACKLE



Shackle No.	SWL(Kg)	Max. Wire Rope Dia. (mm)	Dimensions(mm)				
			d1	d	L	B	H
0.2	200	4.7	M8	6	35	12	35
0.3	330	6.5	M10	8	44	16	45
0.5	500	8.5	M12	10	55	20	50
0.9	930	9.5	M16	12	65	65	60
1.4	1450	13	M20	16	86	32	80
2.1	2100	15	M24	20	101	36	90
2.7	2700	17.5	M27	22	111	40	100
3.3	3300	19.5	M30	24	123	45	110
4.1	4400	22	M33	27	137	50	120
4.9	4900	26	M36	30	153	58	130
6.8	6800	28	M42	36	176	64	150
9.0	9800	31	M48	42	197	70	170
10.7	10700	34	M52	45	218	80	190
16.0	16000	43.5	M64	52	262	100	235
21.0	24000	43.5	M76	65	321	99	256



TURNBUCKLE

Turnbuckles to US Federal Specification(FF-T-791b)



Hook & Hook



EYE & EYE



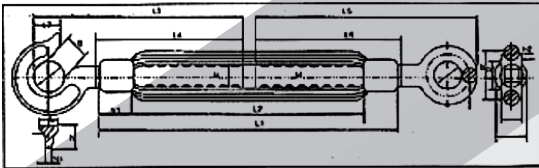
EYE & JAW



JAW & JAW

Size (Diameter x Take-Up)	Average Overall Length with Ends in Closed Position	Approx.Weight Each(lbs)				Working Load Limit(lbs)		
		Eyes and / or Hooks	Jaw & Eye	Jaw & Jaw	Stub End	Bodies Only	Hood & Hook Hood & Eye	Eye & Eye; Jaw & Eye Jaw & Jaw; Stub End
1/4"x4"	8-1/4	0.30	0.30	0.40	0.29	0.17	0.400	0.500
5/16"x4-1/2"	9-9/16	0.50	0.35	0.58	0.46	0.25	0.700	0.800
3 / 8"x6"	11-7/8	0.75	0.82	0.93	0.75	0.30	1.000	1.200
1/2"x6"	13-5/16	1.50	1.62	1.68	1.36	0.55	1.500	2.200
1/2"x9"	16-5/16	1.75	1.82	1.85	1.69	0.74	1.500	2.200
1/2"x12"	19-5/16	2.18	2.19	2.20	2.0	0.93	1.500	2.200
5/8"x6"	15-1/2	2.63	2.59	2.82	2.15	0.91	2.250	3.500
5/8"x9"	18-1/2	3.00	3.01	3.25	2.70	1.20	2.250	3.500
5/8"x12"	21-1/2	3.25	3.50	3.75	3.22	1.50	2.250	3.500
3/4"x6"	17	3.75	4.25	4.68	3.25	1.30	3.000	5.200
3/4"x9"	20	4.50	5.00	5.38	4.00	1.70	3.000	5.200
3/4"x12"	23	5.75	5.75	6.12	4.65	2.12	3.000	5.200
3/4"x18"	29	7.00	7.25	7.25	6.12	2.93	3.000	5.200
7/8"x6"	18	-	-	-	4.75	2.00	-	7.200
7/8"x12"	24-5/8	8.38	8.88	9.36	6.62	3.00	4.000	7.200
7/8"x18"	30-5/8	10.25	10.60	11.44	8.75	4.12	4.000	7.200
1"x6"	20-5/8	-	-	-	6.41	2.50	-	10.000
1"x2"	26-5/8	11.25	12.00	12.88	8.90	3.86	5.000	10.000
1"x18"	32-5/8	14.00	14.75	16.10	11.70	5.50	5.000	10.000
1"x24"	38-5/8	17.00	17.75	18.60	14.30	7.00	5.000	10.000
1-1/4"x6"	20	-	-	-	10.40	4.00	-	15.200
1-1/4"x12"	29-7/8	19.00	21.20	23.60	14.20	5.93	-	15.200
1-1/4"x18"	35-7/8	24.10	26.00	26.60	18.00	8.00	-	15.200
1-1/4"x24"	41-7/8	25.10	28.70	31.20	21.80	10.00	-	15.200
1-1/2"x6"	22-7/8	-	-	-	15.40	5.80	-	21.400
1-1/2"x12"	32-3/8	27.00	31.10	35.50	20.50	8.40	-	21.400
1-1/2"x18"	38-3/8	31.20	36.40	40.70	26.20	11.50	-	21.400
1-1/2"x24"	44-3/8	38.20	44.20	47.60	31.40	14.10	-	21.400
1-3/4"x6"	-	-	-	-	22.70	8.75	-	28.000
1-3/4"x18"	41-3/4	45.00	48.80	52.40	-	-	-	28.000
1-3/4"x24"	47-3/4	58.00	60.00	64.00	43.90	19.50	-	28.000
2"x6"	-	-	-	-	31.50	12.50	-	37.000
2"x24"	51-3/4	90.00	102.00	115.00	60.30	27.50	-	37.000
2-1/2"x6"	-	-	-	-	60.80	27.00	-	60.000
2-1/2"x24"	51-1/2	183.00	180.00	200.00	110.00	54.00	-	60.000
2-3/4"x24"	61-1/2	180.00	214.00	248.00	-	54.00	-	75.000

TURNBUCKLES COMMERCIAL TYPE (MALLEABLE IRON)

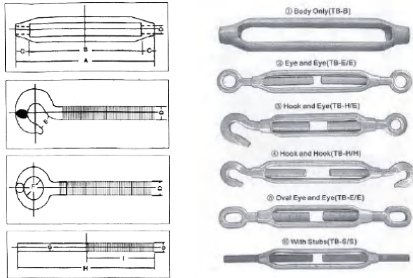


WLL(Kg)	Specification	B	C	D	E	F	L	Weight(kg)
100	6x100mm	145	215	12	10	6	100	0.06
200	8x125mm	185	280	14	12	8	125	0.125
300	10x150mm	210	325	16	14	9	150	0.250
500	12x200mm	275	430	19	18	11	200	0.480
1000	16x250mm	345	540	23	24	14	250	0.980
1500	20x300mm	435	670	28	26	18	300	1.650
2200	22x330mm	480	740	34	32	20	330	2.350
3000	24x350mm	555	830	36	36	21	350	2.750



TURNBUCKLES Frame Type (Forged Steel)

①⑥Sides and Weights(Approx)

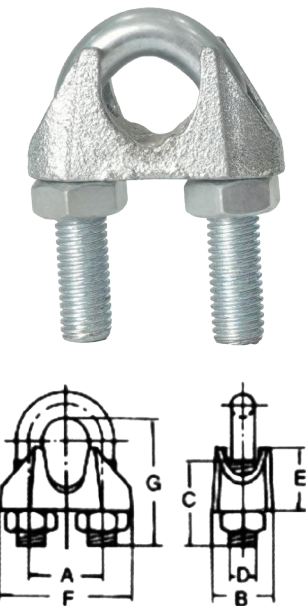


Nominal Size(D)		①Body Only						②Eye and Eye			③Hook and Eye		④Hook and Hook			⑥With Stubs			
		A		B	C	T.L	WPcs	F	T.L	WPcs	T.L	WPcs	E	T.L	WPcs	H	I(°)	G	WPcs
mm	in	mm	in	mm	mm	Ton	Kg	mm	Ton	Kg	Ton	Kg	mm	Ton	Kg	mm	mm	mm	Kg
6	1/4	100	4	78	11	1	0.08	10	0.1	0.116	0.04	0.114	9	0.04	0.112	80	50	5.3	0.112
8	5/16	125	5	100	12.5	1.2	0.15	12	0.2	0.22	0.08	0.218	9	0.08	0.215	100	63	6.9	0.22
9	3/8	150	6	120	12.5	1.5	0.17	16	0.5	0.295	0.15	0.293	11	0.15	0.29	130	75	8.3	0.273
12	1/2	200	8	164	18	2	0.29	20	2	0.6	0.35	0.585	16	0.35	0.57	150	100	11.2	0.51
16	5/8	250	10	202	21.5	3	0.52	22	3	1.07	0.7	1.05	19	0.7	1.03	180	125	14.2	0.95
19	3/4	300	12	250	25	4	0.85	28	4	1.79	1.0	1.78	20	1.0	1.77	220	150	17.2	1.62
22	7/8	325	13	269	28	5	1.17	33	5	2.55	1.5	2.58	21	1.5	2.6	250	165	20.3	2.34
25	1	350	14	285	32.5	6	1.69	35	6	3.8	2.0	3.77	26	2.0	3.73	270	175	23.3	3.27
32	1-1/4	400	16	310	45	8	3.51	36x70	10	7.6	3.0	7.52	34	3.0	7.44	300	200	29	6.52



WIRE ROPE CLIP

DIN741 CLIP



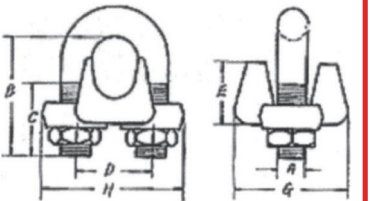
Nominal Size		Dimensions(mm)				SWL	
mm	in	B	D	L	d1	Ton	Kg
4.8	3/16	10	10	18.5	5.0	0.09	0.014
6	1/4	12	11	25	6.5	0.15	0.028
8	5/16	14	15	31	8.5	0.25	0.049
9	3/8	18	17	36	10	0.4	0.049
12	1/2	24	23	46	13	0.6	0.18
16	5/8	30	32	59	17	0.8	0.42
19	1/3	36	37	74	20	1.0	0.72
22	7/8	43	43	86	23	1.5	1.18
25	1	47	50	95	27	2.0	1.8
28	1-1/8	55	56	110	30	2.5	2.5
32	1-1/4	64	64	130	34	3.2	3.7
38	1-1/2	76	76	145	40	4.2	6.1
44	1-3/4	80	90	160	47	6.5	-
50	2	100	100	185	53	8	-
65	2-1/2	110	130	240	68	15	-
75	2	120	150	300	78	20	-

FORGED WIRE ROPE CLIP U.S G450

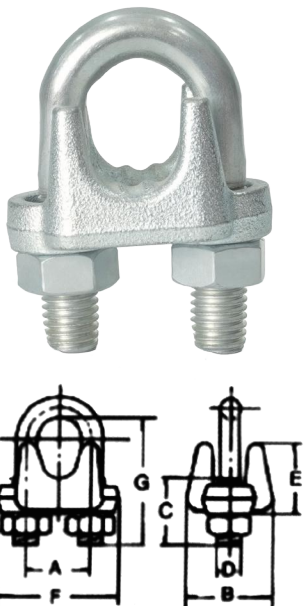
Rope Size (in.)	Weight Per 100(lbs)	Dimensions(in)							
		A	B	C	D	E	F	G	H
*1/8	6	0.22	0.72	0.44	0.47	0.37	0.38	0.81	0.99
*3/16	10	0.25	0.97	0.56	0.59	0.50	0.44	0.94	1.18
1/4	19	0.31	1.03	0.50	0.75	0.66	0.56	1.19	1.43
5/16	28	0.38	1.38	0.75	0.88	0.73	0.69	1.31	1.66
3/8	48	0.44	1.50	0.75	1.00	0.91	0.75	1.63	1.94
7/16	78	0.50	1.88	1.00	1.19	1.13	0.88	1.91	2.28
1/2	80	0.50	1.88	1.00	1.19	1.13	0.88	1.91	2.28
9/16	109	0.56	2.25	1.25	1.31	1.34	0.94	2.06	2.50
5/8	110	0.56	2.25	1.25	1.31	1.34	0.94	2.06	2.50
3/4	142	0.62	2.75	1.44	1.50	1.39	1.06	2.25	2.84
7/8	212	0.75	3.12	1.62	1.75	1.58	1.25	2.44	3.16
1	252	0.75	3.50	1.81	1.88	1.77	1.25	2.63	3.47
1-1/8	283	0.75	3.88	2.00	2.00	1.91	1.25	2.81	3.59
1-1/4	438	0.88	4.44	2.22	2.31	2.17	1.44	3.13	4.13
1-3/8	442	0.88	4.44	2.22	2.38	2.31	1.44	3.13	4.19
1-1/2	544	0.88	4.94	2.38	2.59	2.44	1.44	3.41	4.44
1-5/8	704	1.00	5.31	2.62	2.75	2.66	1.63	3.63	4.75
1-3/4	934	1.13	5.75	2.75	3.06	2.92	1.81	3.81	5.24
2	1300	1.25	6.44	3.00	3.38	3.28	2.00	4.44	5.88
2-1/4	1600	1.25	7.13	3.19	3.88	3.19	2.00	4.56	6.38
2-1/2	1900	1.25	7.69	3.44	4.13	3.69	2.00	4.05	6.63
**2-3/4	2300	1.25	8.31	3.56	4.38	4.88	2.00	5.00	6.88
3	3100	1.50	9.19	3.88	4.75	4.44	2.38	5.31	7.61
**3-1/2	4000	1.50	10.75	4.50	5.50	6.00	2.38	6.19	8.38



Model :G-450



GALV MALLEABLE WIRE ROPE CLIP TYPE A



Size(mm)	Dimensions (mm)							100/WT(Kg)
	A	B	C	D	E	F	G	
6	12	17	14	5	14	23	24	2.5
8	15	21	16	6	17	28	30	4.5
10	19	28	20	8	21	38	37	9
12	24	34	25	10	27	45	47	18
15	29	40	30	12	32	52	56	28
20	36	47	36	14	38	62	70	47
22	40	52	39	16	43	69	77	62
25	43	56	44	18	50	76	85	85
28	48	62	48	20	57	85	95	120
32	55	67	51	22	61	93	108	157
40	64	81	62	24	73	111	120	261
45	72	88	70	27	85	123	137	363
50	80	95	80	30	95	135	154	480

WEDGE SOCKET

SIZE (mm)	WEGHT (KN)	B.L.L (KN)	B (mm)	D (H10) (mm)	A (mm)	R (mm)	PIN	Weight (Kg)
6	10	43	29	16	90	16	2x20	0.56
8	10	51	31	18	100	25	2x20	0.77
10	15	71	38	20	120	25	2x25	1.01
12	20	100	44	25	155	30	2x25	1.77
14	25	118.5	51	30	185	35	2x25	3.02
16	30	161.3	60	34	195	42	3x30	4.6
18	35	184	64	36	195	44	3x30	5.35
20	50	249.6	72	38	220	50	3x30	7.9
22	55	285.3	76	40	240	52	4x50	10.8
24	65	327	83	50	260	60	4x50	18.9
26	75	373.6	92	55	280	65	4x50	17.2
28	95	487.6	97	55	305	70	4x50	19.5
32	120	600	110	65	360	77	5x60	32.9
36	155	780	122	70	390	85	5x60	43
40	200	984	145	75	470	90	5x60	55



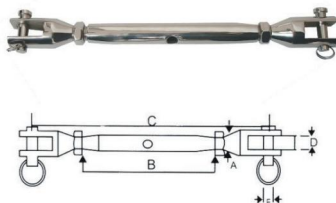
Model :RW



STAINLESS STEEL,SHACKLE,
TURNBUCKLE,CLIP

AISI 316 & AISI 304

TURNBUCKLE



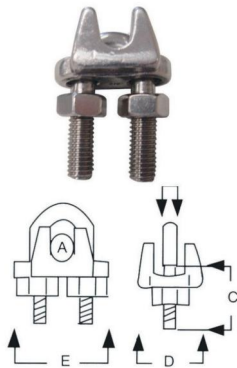
Size(mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	WLL (T)	WT (Kg)
4	4	65	120	4	4	0.15	0.07
5	5	70	130	5	5	0.25	0.08
6	6	80	145	6	5	0.35	0.08
8	8	90	175	8	6	0.70	0.15
10	10	100	200	10	8	1.00	0.23
12	12	140	280	12	8	1.50	0.45
14	14	150	290	14	10	1.60	0.50
16	16	170	340	16	12	2.30	1.08
20	20	230	470	20	14	3.00	2.35

WIRE ROPE CLIP DIN741 TYPE



Size(mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	WT (Kg)
3	3	4	12	10	21	0.014
5	5	5	13	11	23	0.015
6	6	5	15	12	26	0.021
8	8	6	19	14	30	0.041
10	10	8	22	18	34	0.068
11	11	8	22	19	36	0.072
13	13	10	30	23	42	0.130
14	14	10	30	23	44	0.135
16	16	12	33	26	50	0.210
19	19	12	38	29	54	0.280
22	22	14	44	33	61	0.400
25	25	14	45	35	65	0.440

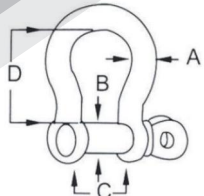
WIRE ROPE CLIP JIS TYPE



Size(mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	WT (Kg)
2	2	3	10	14	14	0.008
3	3	4	12	16	17	0.017
4	4	4	13	18	19	0.020
5	5	6	15	20	24	0.035
6	6	6	15	22	28	0.047
8	8	8	20	28	34	0.085
10	10	10	28	35	45	0.164
12	12	12	35	39	51	0.250
14	14	12	40	45	53	0.290
16	16	14	45	48	60	0.400
18	18	14	50	53	62	0.450

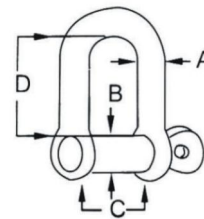
BOW SHACKLE

Size(mm)	A (mm)	B (mm)	C (mm)	D (mm)	WLL (T)	WT (Kg)
4	4	4	8	14	0.09	0.013
5	5	5	10	18	0.10	0.015
6	6	6	13	21	0.15	0.027
8	8	8	16	28	0.25	0.061
10	10	10	19	35	0.50	0.107
12	12	12	25	42	0.60	0.21
16	16	16	32	56	1.10	0.46
20	20	20	38	70	1.60	0.90
22	22	22	44	77	2.50	1.26
25	25	25	51	88	3.00	1.78
28	28	28	57	98	3.50	2.65
32	32	32	65	112	4.50	3.90



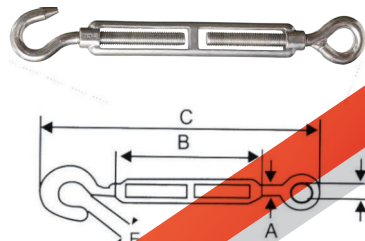
D SHACKLE

Size(mm)	A (mm)	B (mm)	C (mm)	D (mm)	WLL (T)	WT (Kg)
4	4	4	8	14	0.09	0.008
5	5	5	10	18	0.10	0.01
6	6	6	12	21	0.15	0.023
8	8	8	16	28	0.25	0.052
10	10	10	20	35	0.50	0.095
12	12	12	25	42	0.60	0.19
16	16	16	32	56	1.10	0.44
20	20	20	40	70	1.60	0.80
22	22	22	44	77	2.50	1.20
25	25	25	50	88	3.00	1.72
28	28	28	56	98	3.50	2.50
32	32	32	64	112	4.50	3.70



TURNBUCKLE FRAME TYPE

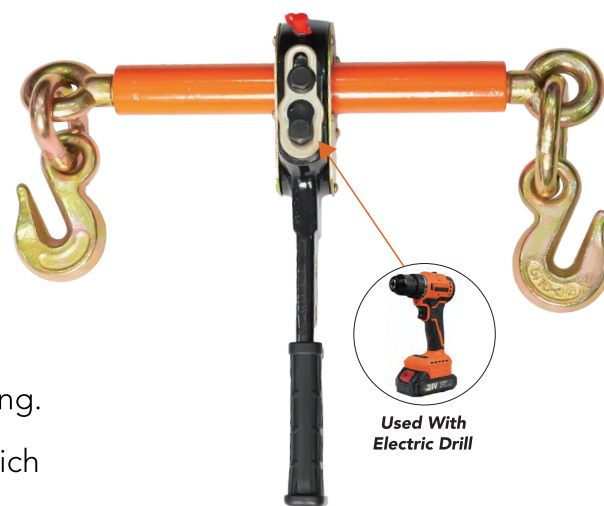
Size(mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	WLL (T)	WT (Kg)
5	5	70	130	8	9	0.10	0.08
6	6	100	160	10	9	0.25	0.11
8	8	125	200	12	10	0.35	0.21
10	10	150	245	16	11	0.50	0.34
12	12	200	300	20	14	1.00	0.65
16	16	250	400	22	18	1.50	1.30
20	20	300	480	28	20	2.30	2.50
22	22	325	520	33	22	3.20	3.93
25	25	350	560	35	26	4.50	5.89



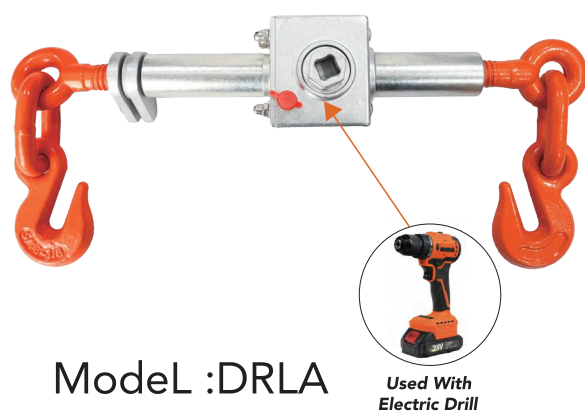


DRILL LOAD BINDER

- Electric ratchet fastening, used with electric drill(14mm).
- Handle forged with high strength alloy steel. And with rubber non-slip handle.
- Unique safety lock design to prevent loosening.
- Adopt high-frequency quenched turbine, which is efficient and durable.



Model :DRLB



Model :DRLA

- Electric ratchet tightening, suitable for electric wrenches, and no socket is required.
- No-handle design, small in size, light in weight, and convenient to carry.
- Unique safety lock design to prevent loosening.
- Adopt high-frequency quenched turbine, which is efficient and durable.
- Fast speed and higher efficiency.

SPECIFICATION

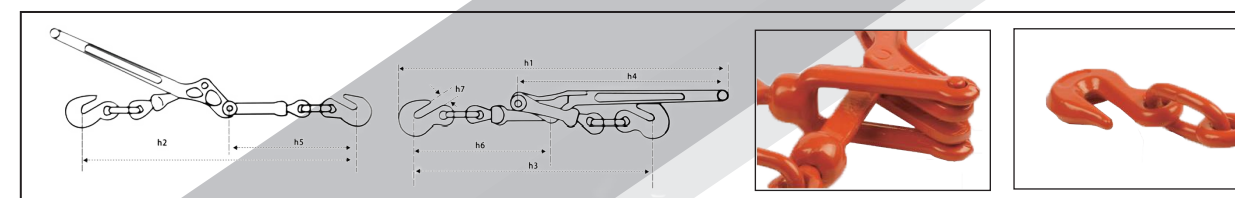
Min-max chain size(in)	WLL (lbs)	Proof load (lbs)	Min ultimate load(lbs)	Dimensions(in)					
				A	B	C	D	E	F
5/16-3/8	5400	10800	19000	24.41	22	0.51	9.84	4.92	12.21
3/8-1/2	9200	18400	33000	24.41	22	0.59	9.84	4.92	12.21

FORGED LEVER LOAD BINDER

- Made from quenched and tempered alloy steel.
- Extra heavy construction at leverage point to prevent spreading heel of binder toggles away from load, permitting easy release.
- Ball and socket swivel joints at hook assemblies permit a straightline pull



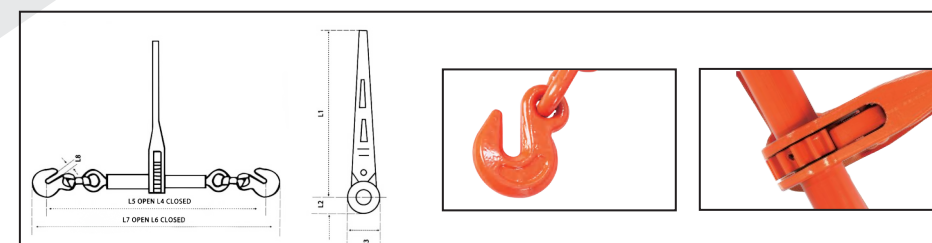
Model :LLB



SPECIFICATION

Min-Max chain size (in.)	WLL (lbs)	Proof load (lbs)	Min ultimate load (lbs)	Weight (lbs)	Handle length (in.)	Dimensions(in.)						
						H1	H2	H3	H4	H5	H6	H7
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	28000/33000	12.11/12.20	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

FORGED RATCHET LOAD BINDER



Model :RLB

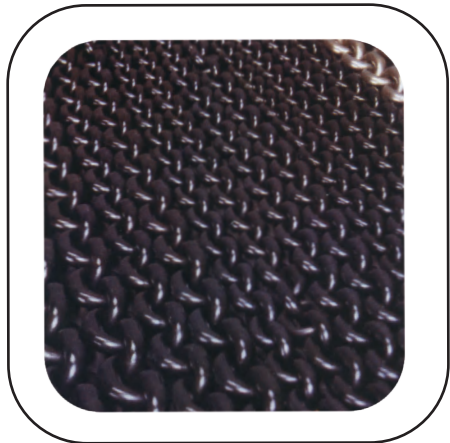
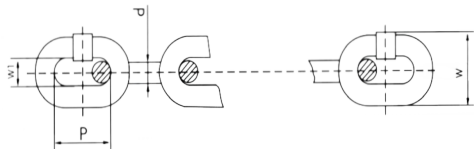
SPECIFICATION

Min-max chain size (in.)	WLL (lbs)	Proof load (lbs)	Min ultimate load (lbs)	Weight (lbs)	Handle length (in.)	Dimensions(in.)							
						L1	L2	L3	L4	L5	L6	L7	L8
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	25.25	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	33.04	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



CHAIN AND CHAIN SLING

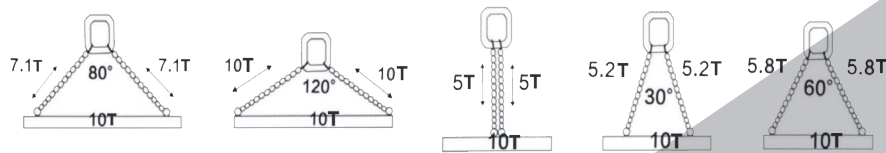
- Alloy chain is designed and manufactured for superior performance and usage. It can easily withstand more abuse, abrasion resistance, greater load lifting per size and is lighter to handle for application.
- Alloy steel Material, heat treated and proof tested



Model :AW

Item No.	Chain Dia. p (mm)	Inside Length P (mm)	Alloy Chain GR80		WLL(t)	Ultimate Load(t)	Weight Approx(kg)
			Outside Width W (mm)	Inside Width W1 (mm)			
AW-80-05	5	15.00	16.25	6.80	0.65	2.60	0.50
AW-80-06	6	18.00	19.50	8.00	1.00	4.00	0.80
AW-80-063	6.3	19.80	21.50	8.50	1.41	5.00	0.84
AW-80-07	7	21.00	22.75	9.00	1.41	5.00	1.10
AW-80-071	7.1	21.30	24.00	9.30	1.60	6.40	1.15
AW-80-08	8	24.00	26.00	10.00	2.00	8.00	1.40
AW-80-09	9	27.00	29.25	12.20	2.50	10.00	1.82
AW-80-10	10	30.00	32.50	13.30	3.20	12.80	2.20
AW-80-112	11.2	34.00	36.00	13.70	3.80	15.20	2.70
AW-80-13	13	39.00	42.25	17.50	5.00	20.00	3.70
AW-80-16	16	48.00	52.00	21.50	8.00	32.00	5.60

- Original Germany WAFIOS Knitting, Spot welding calibrating and heat treatment machines and facilities are used for our daily production.



Model: CHS

TIE DOWN CHAIN

Do

- Do select right capacity slings including angles of sling leg.
- Do ensure that the chain slings are not kinked and twisted.
- Do lift uniformly the load in the multi-leg slings.

Do Not

- Do not expose the chain slings to excessive heat, as working load limit is affected by the heat higher than the temperature in the table.
- Do not drag the chain slings on the ground.
- Do not heat the chain slings.



Model :TDC

Chain Dia.(mm)	Tie Down chain GR80 type: TDC	
	Length(ft.)	N.W.(kg)
7.1	9	3.3
8.0	9	4.2
10.0	9	6.5
13.0	9	10.8
7.1	18	6.3
8.0	18	8.5
10.0	18	13.2
13.0	18	21.6



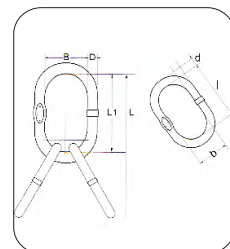
Model :BC70

Size	W.T.(kg)	Binder chain grade70 type: BC70		W.T.(kg)	WLL(ld)	MBS(ld)	W.T.(kg)	WLL(ld)	MBS(ld)	Pes per drum
		ASTM80	NACM90							
1 / 4 " × 14 '	5.0	3,150	12,600	4.5	3,150	12,100	4.5	3,150	12,600	50
1 / 4 " × 16 '	6.0	3,150	12,600	5.0	3,150	12,100	5.0	3,150	12,600	40
5 / 16 " × 14 '	7.5	4,700	18,800	7.0	4,700	18,800	7.0	4,700	18,800	35
5 / 16 " × 16 '	8.5	4,700	18,800	8.0	4,700	18,800	8.0	4,700	18,800	30
5 / 16 " × 16 '	9.5	4,700	18,800	9.0	4,700	18,800	9.0	4,700	18,800	30
5 / 16 " × 20 '	10.5	4,700	18,800	10.0	4,700	18,800	10.0	4,700	18,800	25
5 / 16 " × 25 '	13.0	4,700	18,800	12.0	4,700	18,800	12.0	4,700	18,800	20
5 / 16 " × 30 '	15.5	4,700	18,800	14.5	4,700	18,800	14.5	4,700	18,800	20
3 / 8 " × 14 '	10.5	6,600	26,400	9.5	6,600	24,700	10.0	6,600	26,400	25
3 / 8 " × 16 '	12.0	6,600	26,400	11.0	6,600	24,700	11.5	6,600	26,400	20
3 / 8 " × 20 '	15.0	6,600	26,400	13.5	6,600	24,700	14.5	6,600	26,400	20
3 / 8 " × 25 '	18.5	6,600	26,400	16.5	6,600	24,700	18.0	6,600	26,400	15



MASTER LINK ASSEMBLY

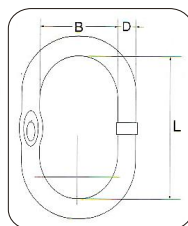
- Material: High-grade alloy steel (quenched and tempered).
- Design factor: 4:1 for chain, 5:1 for wire rope.
- Individually proof tested to $2.5 \times \text{WLL}$ (based on 4:1 design factor), unless otherwise specified, with certification provided.



Model : MLA

Alloy Master Link Assembly Grade 80 Welding Type: MLA									
Product Code	Size D (inch)	Dimensions(mm)						WLL 4:1 (t)	Weight (kg)
		D	L1	B	d	l	b		
MLA-20	3/4"	20	140	70	14	80	40	4.7	1.67
MLA-22	7/8"	22	178	70	18	85	40	8	2.70
MLA-25	1"	25	178	89	22	100	50	11	4.10
MLA-28	1-1/8"	28	270	140	22	170	90	11.8	6.88
MLA-32	1-1/4"	32	222	111	25	100	50	16	7.00
MLA-38	1-1/2"	38	267	133	28	180	100	21.7	12.63
MLA-45	1-3/4"	45	305	152	32	150	75	28.4	17.50
MLA-51	2"	51	355	178	38	180	100	35	27.20

MASTER LINK



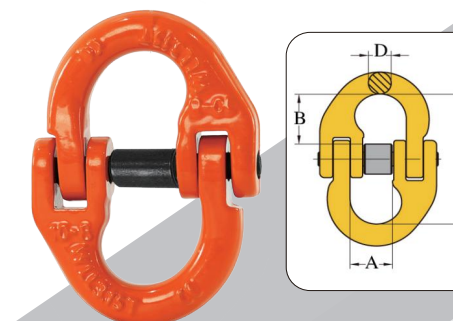
Model : MLW

- Each link has a Product Identification Code(PIC) for material traceability, along with the size and the manufacturer's mark.
- Larger inside width and length for use with thimble.

Alloy Master Link Grade 80 Welding Type: MLW							
Product Code	Size D (mm)	Dimensions(mm)			WLL 4:1 (t)	Weight (kg)	
		D	L	B			
MLW-14	1/2"	14	127	63.5	2	0.45	
MLW-16	5/8"	16	152	76	3	0.70	
MLW-20	3/4"	20	140	70	4.7	1.05	
MLW-22	7/8"	22	160	90	6.4	1.50	
MLW-25	1"	25	178	89	11	2.10	
MLW-28	1-1/8"	28	270	140	11.8	3.81	
MLW-32	1-1/4"	32	222	111	16	4.25	
MLW-38	1-1/2"	38	267	133	21.7	7.20	
MLW-45	1-3/4"	45	305	152	28.4	11.55	
MLW-51	2"	51	355	178	35/45	17.20	

ALLOY STEEL CONNECTING LINK

- The C Link's simple design allows instant assembly, dismantling and reassembly of dependably safe slings.
- Assembly only one chain or fitting to each C link body half.
- When reassembly a C link, we recommend you use a new pin and stud assembly. These are inexpensive and readily available.

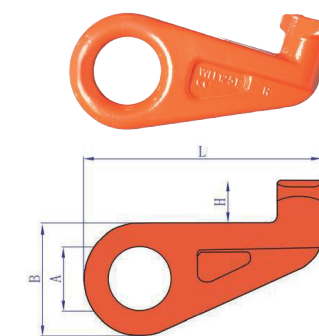


Model : LTC

Alloy connecting link grade 80 type: LTC							
Item No.	Working load limit(t)	For grade 80 chain(mm)	Dimensions(mm)				N.W. (kg)
			K	A	D	B	
LTC006	1.12	6	44	15	7	17	0.1
LTC007	2.0	7.8	59	18	9	22	0.2
LTC010	3.15	10	68	25	13	26	0.3
LTC013	5.3	13	91	30	16	35	0.7
LTC016	8.0	16	100	36	19	38	1.1
LTC018	12.5	18,20	122	42	23	48	1.7
LTC022	15.0	22	152	49	24	60	3.0
LTC026	21.2	36	162	55	31	62	4.6
LTC032	31.5	32	202	69	38	79	8.6

CONTAINER HOOK

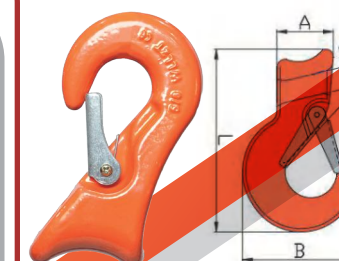
ITEM NO.	TYPE	Dimensions(mm)				W.L.L (t)	Weight (kg)
		A	B	H	L		
TLC01	LEFT	68.0	120.4	45.0	254.2	12.5	4.33
TLC02	RIGHT	68.0	120.4	45.0	254.2	12.5	4.33
TLC03	STRAIGHT	68.0	120.4	45.0	254.2	12.5	4.33



Model: TLC

EYE SLIP HOOK

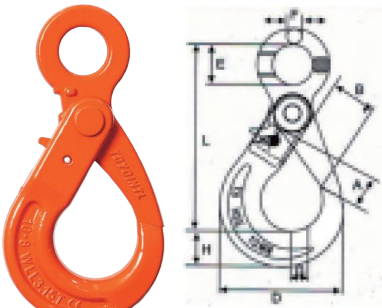
ITEM NO.	Size (in)	Dimensions(mm)					W.L.L (t)	Weight (kg)
		A	B	D	E	L		
TES01	3/8-1/2	50.0	71.0	17.0	21.0	129.5	1.6	0.68
TES02	5/8	63.5	79.0	23.0	22.0	151.5	2	1.21
TES03	3/4	69.0	103.0	28.0	28.0	165.5	3	1.99
TES04	1	85.7	135.0	32.5	38.0	213.0	5	4.18



Model: TES



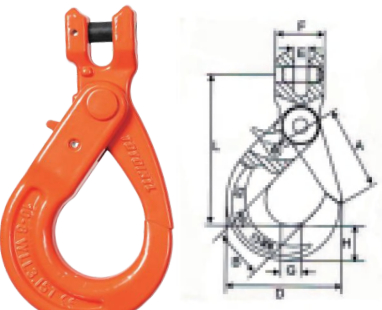
G80 SAFETY HOOK



Model :HSE

Eye Safety Hook

Item No.	Size (mm)	Alloy Eye Safety Hook Grade 80 Type: HSE								WLL 4:1 (t)	Weight (kg)
		L	A	B	Dimensions(mm)			G	H		
HSE006	6	107	28	28	70	22	10.5	16	22	1.2	0.5
HSE007	7	132	31	36	88	25	12	20	24	2.0	0.8
HSE010	10	164	48	41	106	32	15	26	30	3.2	1.5
HSE013	13	206	60	52	138	40.5	20	32	40	5.4	3.2
HSE016	16	249	73	60	170	55	23	40	51	8.2	6.1
HSE018	18	270	77	79	187	64	27	45	56	12.5	7.5
HSE022	22	310	90	88	204	70	30	52	65	15.0	13.4



Model :HSC

Clevis Safety Hook

Item No.	Size (mm)	Alloy Clevis Safety Hook Grade 80 Type: HSC								WLL 4:1 (t)	Weight (kg)
		L	A	B	C	D	E	F	G		
HSC006	6	95	31	26	7.8	70	8.5	32	16	1.2	0.45
HSC007	7	117	39	36	9.2	89	9	37	20	2.0	0.85
HSC010	10	140	52	44	13.2	107	12	47.5	26	3.2	1.45
HSC013	13	176	65	52	16.3	139	15	60	32	5.4	2.90
HSC016	16	210	75	63	20.2	168	18	73	40	8.2	5.60
HSC018	18	232	83	76	24.3	186	25	81	45	12.5	6.50
HSC022	22	265	88	80	28.2	204	25.5	98	52	15.0	16.00



Model :HSA

Swivel Safety Hook

Item No.	Working Load Limit(t)	For Grade 80 Chain(mm)	Alloy Swivel Safety Hook Type: HSA							N.W. (kg)
			K	P	B	A	D	T	H	
HSA006	1.12	6	149	29	22	31	12	15	21	0.6
HSA007	2.0	7.8	186	34	29	36	14	20	25	1.1
HSA010	3.15	10	220	44	34	40	16	26	31	2.0
HSA013	5.3	13	267	52	43	46	22	34	40	4.0
HSA016	8.0	16	328	60	52	60	24	41	52	6.8
HSA018	12.5	18.20	388	90	82	75	26	48	62	11.6
HSA022	15.0	22	457	80	95	97	33	49	63	16.0

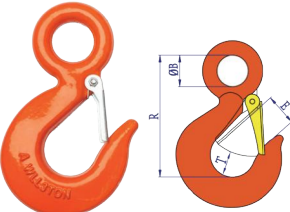
LARGE HOOKS WITH LATCH



- Breakage test.
- Ultimate load is 4 times working load limit.
- Fatigue tested at 1.5 times Working Load Limit for 20000 cycles.

Eye Hook With Latch

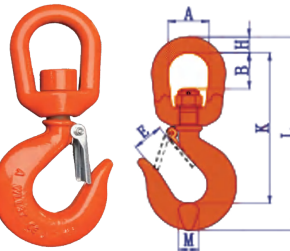
Stock No.	Dimensions(mm)				W.L.L.(T)	Weight(KG)
	B	E	R	T		
UEH0125	19.0	20.0	81.0	19.0	1.25	0.26
UEH0160	22.5	22.0	90.5	20.5	1.6	0.41
UEH0250	27.0	27.0	105.0	27.0	2.5	0.61
UEH0320	32.0	32.0	123.5	30.0	3.2	0.98
UEH0540	39.0	37.0	147.0	37.0	5.4	1.68
UEH0800	50.0	48.0	190.0	48.0	8	3.63
UEH0115	64.0	53.0	230.0	53.0	11.5	6.72
UEH0160	70.5	60.0	25.0	60.0	16	10.04
UEH0220	89.0	77.0	3164.0	77.0	22	16.20



Model :UEH

Swivel Hook With Latch

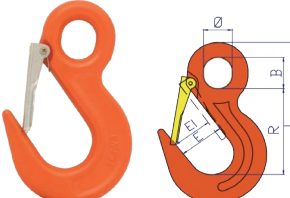
Stock No.	Size(mm)	Dimensions(mm)							W.L.L.(T)	Weight(KG)
		A	E	B	H	K	L	M		
USH006	6	31.8	22.3	23.8	9.5	113.5	142.5	16.0	1.12	0.40
USH008	8	44.5	25.4	41.3	15.9	152.8	195.7	21.0	2.0	1.03
USH010	10	44.5	28.4	39.7	15.9	161.9	207.9	23.0	3.15	1.29
USH013	13	50.8	34.0	44.5	19.1	188.1	244.2	28.0	5.3	2.33
USH016	16	63.5	42.9	58.7	25.4	243.7	315.7	35.5	8.0	4.72
USH020	20	69.9	52.2	60.3	28.6	282.6	368.4	41.0	12.5	7.37
USH022	22	79.4	57.0	71.4	31.8	303.2	403.7	56.5	15.0	10.63
USH026	26	105.0	81.0	114.0	40.0	431.0	546.0	69.0	21.2	21.40
USH032	32	105.0	82.5	105.0	40.0	472.0	596.0	76.2	31.5	32.00



Model :USH

Container Hook

Stock No.	Size(mm)	Dimensions(mm)							W.L.L.(T)	Weight(KG)
		B	L	E	E1	R	Ø			
UCH006	6	26.5	149.0	47.0	39.0	83.5	24.0		2	0.68
UCH008	8	35.5	179.0	49.0	40.0	95.0	30.0		3	1.38
UCH010	10	38.5	198.0	54.0	45.0	105.5	33.5		5	1.72
UCH013	13	52.0	250.0	69.5	61.0	127.5	43.0		8	3.50



Model :UCH



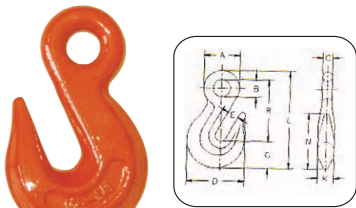
GRAB HOOK

- Material is high-grade alloy steel (quenched and tempered).
- Used with Grade 80 alloy chain for lifting applications.
- Marked with Brand, WLL, Batch No., and Size.
- 100% proof load tested at 4 times working load limit.
- Ultimate load is 7 times the working load limit.



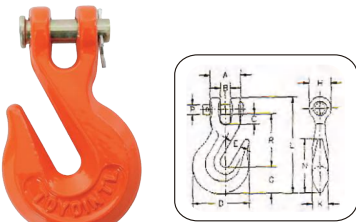
ALLOY STEEL GRAB HOOK

Chain Size(in.)	Stock No.	WLL(lbs)	Weight Each (lbs)	Alloy Eye Grab Hook Type: A-323									
				Dimensions(in.)									
				A	B	C	D	E	G	K	L	N	R
1 / 4	1132384	3500	0.28	1.09	0.53	0.31	1.81	0.34	0.88	0.47	3.05	1.75	1.88
5 / 16	1132400	4700	0.45	1.31	0.62	0.38	2.12	0.44	0.97	0.59	3.59	2.06	2.28
3 / 8	1132428	7100	0.79	1.56	0.75	0.44	2.53	0.50	1.17	0.72	4.28	2.34	2.69
1 / 2	1132464	12000	1.75	1.94	0.88	0.53	3.56	0.66	1.53	0.78	5.44	2.97	3.28
5 / 8	1132482	15800	3.25	2.38	1.06	0.66	4.39	0.78	1.78	1.09	6.66	4.31	4.11
3 / 4	1132507	24700	5.94	2.88	1.38	0.75	5.22	0.94	2.13	1.31	8.06	5.09	5.16



Model :A-323

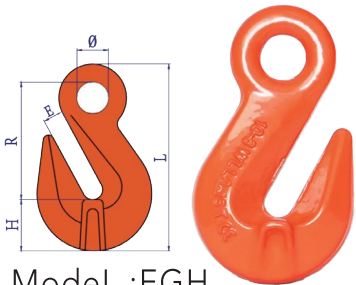
Chain Size (in.)	Stock No.	WLL (lbs)	Weight Each (lbs)	Alloy Clevis Swivel Grab Hook Type: A-330											
				Dimensions(in.)											
				A	B	C	D	E	G	H	K	L	N	P	R
1 / 4	1123249	3500	0.36	1.00	0.32	0.31	1.81	0.34	0.88	0.72	0.47	3.05	1.75	0.31	1.64
5 / 16	1123267	4700	0.62	1.22	0.43	0.36	2.12	0.44	0.97	0.91	0.59	3.66	2.06	0.38	2.02
3 / 8	1123285	7100	1.00	1.42	0.48	0.49	2.53	0.50	1.17	1.00	0.72	4.42	2.34	0.44	2.41
7 / 16	1123301	8750	1.31	1.66	0.66	0.62	3.09	0.56	1.31	1.13	0.69	4.94	2.66	0.56	2.75
1 / 2	1123329	12000	2.22	1.88	0.57	0.51	3.56	0.66	1.53	1.25	0.78	5.72	2.97	0.63	3.19
5 / 8	1123347	15800	4.41	2.31	0.71	0.67	4.39	0.78	1.78	1.56	1.09	6.83	4.31	0.75	4.09
3 / 4	1123365	24700	6.50	2.62	0.94	0.94	5.22	0.94	2.13	1.88	1.31	8.13	5.09	0.88	4.63



Model :A-330

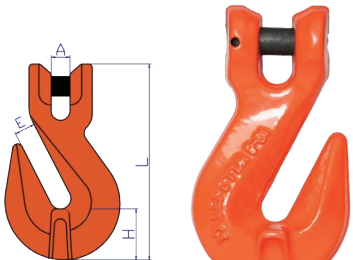
G80 GRAB HOOK

Stock No.	Size(mm)	A	Dimensions(mm)			W.L.L.(T)	Weight(LBS)
			E	H	L		
EGH006	6	8.0	8.0	18.5	76.5	1.12	0.12
EGH008	7/8	9.5	11.0	21.0	90.7	2	0.32
EGH010	10	12.5	13.5	29.5	124.5	3.15	0.78
EGH013	13	15.3	17.0	42.0	160.5	5.3	1.65
EGH016	16	19.5	20.0	44.0	182.0	8	2.86
EGH020	20	24.0	24.0	54.8	215.7	12.5	5.05
EGH022	22	27.0	28.0	67.5	252.0	15	6.32
EGH026	26	30.0	30.0	78.5	304.5	21.2	14.50



Model :EGH

Stock No.	Size(mm)	Dimensions(mm)					W.L.L.(T)	Weight(LBS)
		R	H	E	Ø	L		
CGH006	6	49.2	18.5	8.0	13.5	76.0	1.12	0.17
CGH008	8	60.0	21.0	11.0	17.0	90.3	2	0.25
CGH010	10	78.0	29.0	13.2	20.0	120.0	3.15	0.65
CGH013	13	98.0	42.8	16.5	26.0	156.0	5.3	1.39
CGH016	16	106.5	43.5	19.4	30.0	167.0	8	2.20
CGH020	20	140.0	54.8	24.0	37.0	217.3	12.5	4.60
CGH022	22	162.2	68.0	28.0	44.0	255.2	15	8.20
CGH026	26	193.5	78.5	30.0	49.0	304.5	21.2	9.80
CGH032	32	228.0	95.0	38.0	57.0	360.5	31.5	19.40

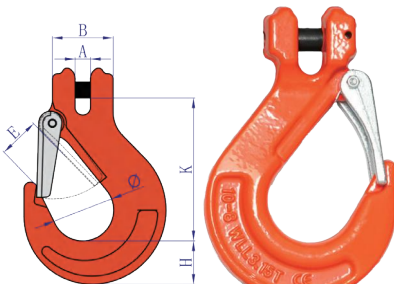


Model :CGH

SLING HOOK

Clevis Sling Hook With Latch

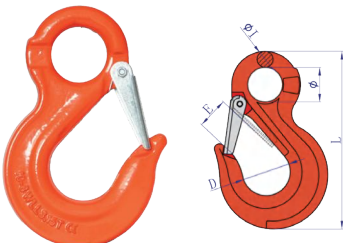
Stock No.	Size(mm)	Dimensions(mm)						W.L.L.(T)	Weight(LBS)
		A	B	Ø	H	K	E		
CSH006	6	9.0	35	27.0	20.5	74.0	21.0	1.12	0.17
CSH008	7/8	9.3	36.8	37.5	26.5	86.5	26.0	2	0.25
CSH010	10	12.4	46.6	44.5	33.5	104.0	30.0	3.15	0.65
CSH013	13	16.9	54.6	56.3	41.0	128.0	43.0	5.3	1.39
CSH016	16	21.5	70.5	63.5	49.5	157.0	47.0	8	2.20
CSH020	20	24	88.5	75.5	56.5	186.5	52.0	12.5	4.60
CSH022	22	28	90.0	98.0	63.0	205.0	68.0	15	8.20
CSH026	26	31.1	116.0	114.0	75.0	245.4	85.0	21.2	9.80
CSH032	32	35	150.0	140.0	88.0	317.0	106.0	31.5	19.40



Model :CSH

Eye Sling Hook With Latch

Stock No.	Size(mm)	D	Dimensions(mm)				W.L.L.(T)	Weight(KG)
			E	L	I	Ø		
ESH006	6	32.4	25.0	107.0	9.0	20.0	1.12	0.30
ESH008	7/8	37.2	30.0	131.5	10.5	25.0	2.0	0.55
ESH010	10	43.8	32.5	167.0	16.0	38.0	3.15	1.15
ESH013	13	55.0	37.0	213.0	19.5	42.5	5.3	2.32
ESH016	16	68.9	42.0	256.0	23.0	50.0	8.0	3.45
ESH020	20	87.4	51.0	305.0	27.0	61.0	12.5	6.60
ESH022	22	98.0	72.0	344.0	33.0	68.3	15.0	8.50
ESH026	26	112.5	85.0	392.5	34.5	63.0	21.2	13.00
ESH032	32	140.0	106.0	480.5	37.0	88.0	31.5	17.00



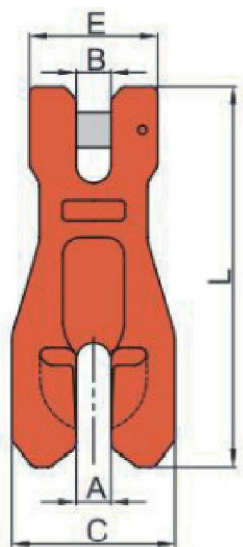
Model :ESH



CHAIN ADJUSTER

- Material: Forged super alloy steel
- 100% tested at 2.5 times Working Load Limit
- 100% magnaflux crack detection
- Sampling break test for each lot
- Fatigue tested at 1.5 times Working Load Limit for 20000 cycles
- Pins are 100% eddy-current test flaw detection
- Suitable for EN818-2 G80 chain

TES01



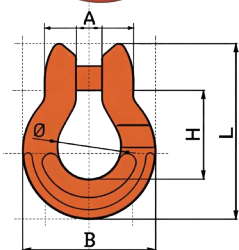
Model:CAW



ITEM NO.	Size	Dimensions(mm)					W.L.L (t)	Weight (kg)
		A	B	C	E	L		
CAW06	6	7.7	7.7	33.5	31	72.5	1.12	0.17
CAW08	7/8	9.5	9.5	45	36	100.5	2	0.4
CAW10	10	13	13	55	48	137	3.15	0.97
CAW13	13	16	16	75	59	177	5.3	1.85
CAW16	16	21	21	91	73	218	8	3.68
CAW20	20	23	23	100	80	235	12.5	4.43
CAW22	22	25.5	25.5	118	98	294	15	8.5
CAW26	26	30	30	144	110	362	21.2	15

Ultimate load is 4 times the working load limit, proof load is 2.5 times the working load limit.

OMEGA RING



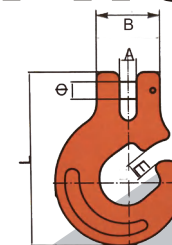
Model:LTO

ITEM NO.	Size	Dimensions(mm)					W.L.L (t)	Weight (kg)
		A	B	C	L	Ø		
LTO06	6	8	41	25.5	52	20.5	1.4	0.12
LTO08	8	10	52	34	68	23.5	2.5	0.22
LTO10	10	12	62	40.5	81	31.5	4	0.36
LTO13	13	15.5	81	54	108	41	6.7	0.71
LTO16	6	19	99	64	126	47.5	10	1.3
LTO20	20	23	118	75.6	152	58	16	2.2

Ultimate load is 4 times working load limit, proof load is 2.5 times working load limit

CLEVIS FOREST HOOK

- Material: Forged super alloy steel
- 100% magnaflux crack detection
- Sampling break test for each lot
- Pins are 100% eddy-current test flaw detection

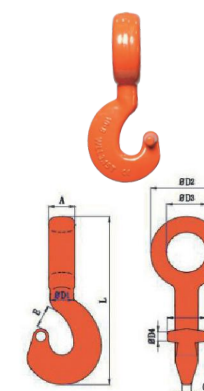


Model:CFH

ITEM NO.	Size	Dimensions(mm)					LC (daN)	Weight (kg)
		A	B	E	L	C		
CFH01	6	8	32.5	8.8	79	7.8	3250	0.26
CFH02	8	9.5	35	9.7	95	10.3	6000	0.41
CFH03	10	13	43.4	13	135.5	13	8500	0.92

SWIVEL HOOK

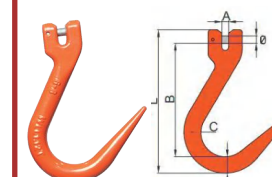
ITEM NO.	Size	Dimensions(mm)									W.L.L (t)	Weight (kg)
		A	B	C	D1	D2	D3	D4	E	L		
TLSH08	7/8	19	28	6.5	17	52	30.5	7.5	16.2	123	2	0.36
TLSH10	10	25	39	5.5	19.5	68	39	8.0	21.7	157	3.15	0.72
TLSH13	13	34	43	8.8	26	84.5	51.5	9.5	27	195	5.3	1.40
TLSH16	16	51	45.5	10.9	32	107	63	10.9	29.4	2 5	8	3.17
TLSH18	18	49.5	53	12	33.5	121	75	12	37	268	10	3.8
TLSH20	20/22	71	80	14.5	52	146	84	14.5	47.4	366	15	8.95



Model:TLSH

CLEVIS GRAB HOOK

ITEM NO.	Size	Dimensions(mm)						Weight (kg)
		A	B	C	D	Ø	L	
LCGH01	1.2t	7.6	128	19	18.3	8	160.3	0.59
LCGH02	2t	9	155.1	33	31	9	205	1.78
LCGH03	3.15t	12	187	41	38	13	248.5	3.69



Model:LCGH

Safety factor: 4:1. Bolt length and thread specification can be customized according to requirements.

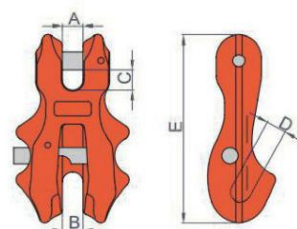


CHAIN ADJUSTER WITH SAFETY PIN

- Material: Forged super alloy steel
- 100% tested at 2.5 times Working Load Limit
- 100% magnaflux crack detection
- Sampling break test for each lot
- Fatigue tested at 1.5 times Working Load Limit for 20000 cycles
- Pins are 100% eddy-current test flaw detection
- Suitable for EN818-2 G80 chain



ITEM NO.	Size	Dimensions(mm)					W.L.L (t)	Weight (kg)
		A	B	C	D	E		
CAW-P06	6	7.7	7	8.7	7	82	1.12	0.28
CAW-P08	7/8	10	10	9.2	9.5	91.9	2	0.40
CAW-P10	10	12	12	12	12.1	115	3.15	0.90
CAW-P13	13	15	15	15.8	15.8	160	5.3	2.2
CAW-P16	16	21	18	19	18.2	190	8	4.0



Model:CAW-P

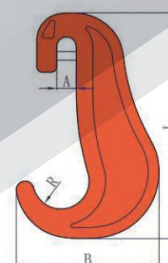
LASHING HOOK

- Material: Forged super alloy steel
- Sampling break test for each lot
- Ultimate load is 5 times working load limit
- Suitable for G80 lashing chain

ITEM NO.	Size	Dimensions(mm)				W.L.L (tt)	Weight (kg)
		A	B	I	R		
TLH09	9	13.5	90.5	143.0	18.5	2.5	0.50
TLH11	11	15.5	109.5	177.0	22.0	3.75	0.85
TLH13	13	17.7	129.0	205.0	25.5	5.4	1.38



Model:TLH



BELT SLING

- These belt slings are made of woven webbing with master ring connections and end fittings.
- The length can be customized according to customer needs.
- Master rings include weldless alloy links, weldless rings, weldless sling links, and master link assemblies, etc. Connections can be made with bow shackles or connecting links. You can choose any type of hook based on the lifting requirements.
- The lifting sling can be a round sling or a webbing sling; end fittings may include various hooks and other metal components.
- Standard safety factor: 4:1. We can also produce slings with SF5:1&6:1.

	Color	$\beta=0$ to 45°	$\beta=0$ to 60°
	Purple	1000kg	
	Green	2000kg	
	Yellow	3000kg	
	Grey	4000kg	
	Red	5000kg	
	Purple	1400kg	1000kg
	Green	2800kg	2000kg
	Yellow	4200kg	3000kg
	Grey	5600kg	4000kg
	Red	7000kg	5000kg
	Purple	2100kg	1500kg
	Green	4200kg	3000kg
	Yellow	6300kg	4500kg
	Grey	8400kg	6000kg
	Red	10500kg	7500kg
	Purple	2100kg	1500kg
	Green	4200kg	3000kg
	Yellow	6300kg	4500kg
	Grey	8400kg	6000kg
	Red	10500kg	7500kg

Model: BTS





TEXTILE SLING

EB WEBBING SLING

Material Double Ply Polyester web sling width reinforced lifting eyes.

Web Sling colour coded according to EN 1492-1(7:1).

Each sling is packed with CE declaration of conformity.



POLYESTER MATERIAL	
Elongation at breaking force	ca. 12%
Elongation at WLL	ca. 3%
Elongation - resistance in wet condition	100%
Compared wear - resistance	80
Specific weight	1.38



PRODUCT IDENTITY
TOYO Webbing Sling original product with label tag logo on polyester material.

EB Webbing Sling's lifting method and maximum Safety Working Load parameter.

Max. SWL= Mode Coefficient P* Working Load Limit												Max. SWL of Lifting Method					
Code	Color	Single Max.Working Load Limit						2-Leg Max.Working Load Limit				Approx. Width (mm)			Min. Length (m)	Max. Length (m)	
		Upright	Choked	β				Upright 45°	Choked 45°	Upright 45° - 60°	Choked 45° - 60°						
				0° - 7°	7° - 45°	45° - 60°	45°										
																	
1.0	0.8	2.0	1.4	1.0	0.7	1.4	1.12	1.0	0.8	5:1	6:1	7:1					
EB-01		1000	800	2000	1400	1000	700	1400	1120	1000	800	25	25	30	1	100	
EB-02		2000	1600	4000	2800	2000	1400	2800	2240	2000	1600	50	50	60	1	100	
EB-03		3000	2400	6000	4200	3000	2100	4200	3360	3000	2400	75	75	90	1	100	
EB-04		4000	3200	8000	5600	4000	2800	5600	4480	4000	3200	100	100	120	1	100	
EB-05		5000	4000	10000	7000	5000	3500	7000	5600	5000	4000	125	125	150	1	100	
EB-06		6000	4800	12000	8400	6000	4200	8400	6720	6000	4800	150	150	180	1	100	
EB-08		8000	6400	16000	11200	8000	5600	11200	8960	8000	6400	200	200	240	1	100	
EB-10		10000	8000	20000	14000	10000	7000	14000	11200	10000	8000	250	250	300	1	100	
EB-12		12000	9600	24000	16800	12000	8400	16800	13440	12000	9600	300	300	300	1	100	
EB-15		15000	12000	30000	21000	15000	10500	21000	16800	15000	12000	200	200	240	1	100	
EB-20		20000	16000	40000	28000	20000	14000	28000	22400	20000	16000	250	250	300	1	100	
EB-25		25000	20000	50000	35000	25000	17500	35000	28000	25000	20000	300	300	300	1	100	
EB-30		30000	24000	60000	42000	30000	21000	42000	33600	30000	24000	300	300	300	1	100	
EB-40		40000	32000	80000	56000	40000	28000	56000	44800	40000	32000				1	100	
EB-50		50000	40000	100000	70000	50000	35000	70000	56000	50000	40000				1	100	

EB-B WEBBING SLING

Webbing slings feature a very compact design and are manufactured using new processing techniques, which give them excellent breaking elongation.

With specially woven edge protection and reinforced loops, they are protected against abrasion and damage.

This ensures an extremely long service life.



EB-B Webbing Sling's lifting method and maximum Safety Working Load parameter.

Max. SWL = Mode Coefficient P* Working Load Limit										Max. SWL of Lifting Method						
Code	Color	Single Max.Working Load Limit						2-Leg Max.Working Load Limit				Approx. Width (mm)			Min. Length (m)	Max. Length (m)
		Upright	Choked	β				Upright 45°	Choked 45°	Upright 45° - 60°	Choked 45° - 60°					
				0° - 7°	7° - 45°	45° - 60°	45°									
																
1.0	0.8	2.0	1.4	1.0	0.7	1.4	1.12	1.0	0.8	5:1	6:1	7:1				
EB-B-01		1000	800	2000	1400	1000	700	1400	1120	1000	800	25	25	30	1	100
EB-B-02		2000	1600	4000	2800	2000	1400	2800	2240	2000	1600	50	50	60	1	100
EB-B-03		3000	2400	6000	4200	3000	2100	4200	3360	3000	2400	75	75	90	1	100
EB-B-04		4000	3200	8000	5600	4000	2800	5600	4480	4000	3200	100	100	120	1	100
EB-B-05		5000	4000	10000	7000	5000	3500	7000	5600	5000	4000	125	125	150	1	100
EB-B-06		6000	4800	12000	8400	6000	4200	8400	6720	6000	4800	150	150	180	1	100
EB-B-08		8000	6400	16000	11200	8000	5600	11200	8960	8000	6400	200	200	240	1	100
EB-B-10		10000	8000	20000	14000	10000	7000	14000	11200	10000	8000	250	250	300	1	100
EB-B-12		12000	9600	24000	16800	12000	8400	16800	13440	12000	9600	300	300	300	1	100
EB-B-15		15000	12000	30000	21000	15000	10500	21000	16800	15000	12000	200	200	240	1	100
EB-B-20		20000	16000	40000	28000	20000	14000	28000	22400	20000	16000	250	250	300	1	100
EB-B-25		25000	20000	50000	35000	25000	17500	35000	28000	25000	20000	300	300	300	1	100
EB-B-30		30000	24000	60000	42000	30000	21000	42000	33600	30000	24000	300	300	300	1	100
EB-B-40		40000	32000	80000	56000	40000	28000	56000	44800	40000	32000				1	100
EB-B-50		50000	40000	100000	70000	50000	35000	70000	56000	50000	40000				1	100



ROUND SLING

EA ROUND SLING

The round sling has a maximum load capacity of up to 3000 tons, an effective length of up to 100 meters, and a safety factor typically set at 7:1 or 6:1.

Round slings are made of high-tensile industrial yarn (100% polyester / 100KPES), with internal strands arranged in an endless loop. The outer sleeve is also made of 100KPES material, which is not intended for load-bearing but serves to protect the inner strands.



Model :EA

EA Round Sling's lifting method and maximum Safety Working Load parameter.

Type	WLL(T)	Width(mm)	Color	Working Load Limit					Multi-set	
				100%	80%	200%	140%	100%	140%	112%
EA005	0.5	1" /25		500	400	1000	700	500	700	560
EA010	1	2" /50		1000	800	2000	1400	1000	1400	1120
EA015	1.5	3" /75		1500	1200	3000	2100	1500	2100	1680
EA020	2	4" /100		2000	1600	4000	2800	2000	2800	2240
EA025	2.5	5" /125		2500	2000	5000	3500	2500	3500	2800
EA030	3	6" /150		3000	2400	6000	4200	3000	4200	3360
EA040	4	8" /200		4000	3200	8000	5600	4000	5600	4480
EA050	5	10" /250		5000	4000	10000	7000	5000	7000	5600
EA060	6	12" /300		6000	4800	12000	8400	6000	8400	6720

EA-A ROUND SLING

The unique advantages of round slings:

- Especially suitable for loading round object.
- The surface of round sling is smooth , does not cause damages to tender objects loaded.
- Various loading methods , including dragging or pulling loaded object.
- Various loading methods and load is bear evenly , enable the sling's usage life last longer.
- High strength/weight ratio.



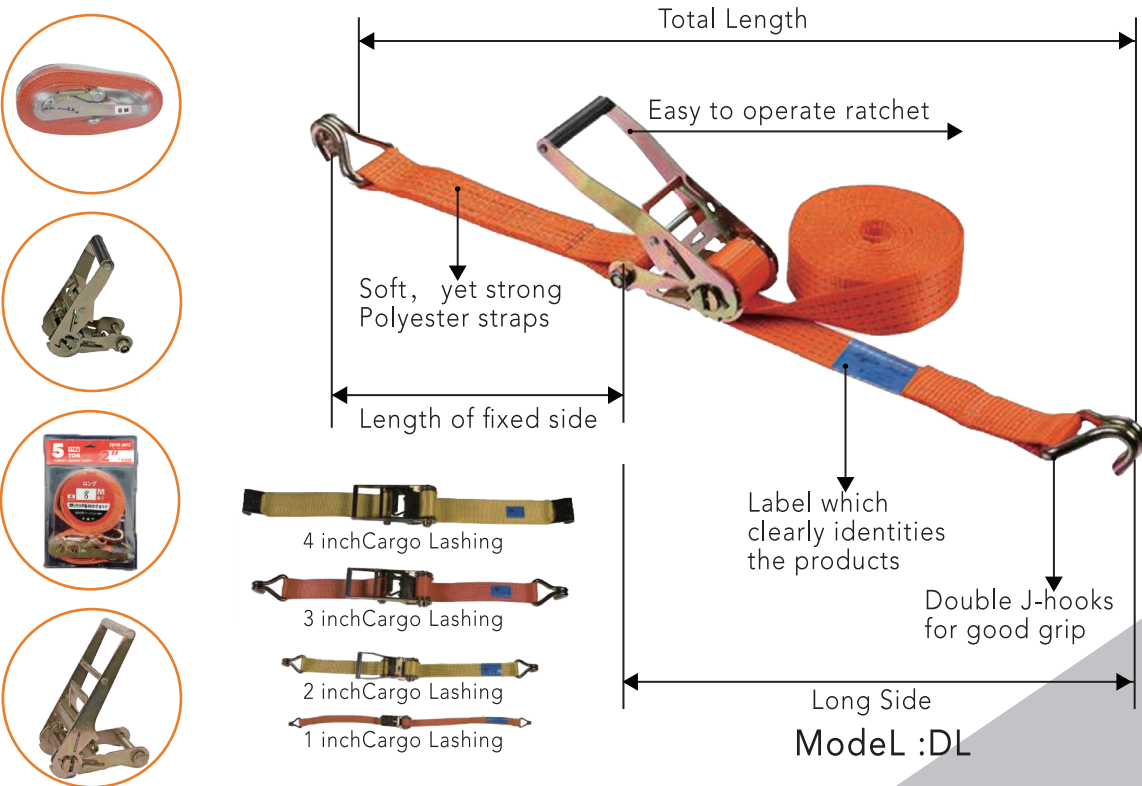
EA-A Round Sling's lifting method and maximum Safety Working Load parameter.

Code	Color	Max. SWL=Mode Coefficient P*Working Load Limit							Max. SWL of Lifting Method				Approx. Width (mm)	Min. Length (m)	Max. Length (m)
		Single Max. Working Load Limit						2-Leg Max. Working Load Limit							
		Upright	Choked	β				Upright 45°	Choked 45°	Upright 45°-60°	Choked 45°-60°				
				0°-7°	7°-45°	45°-60°	45°								
															
		1.0	0.8	2.0	1.4	1.0	0.7	1.4	1.12	1.0	0.8				
EA-A-01		1000	800	2000	1400	1000	700	1400	1120	1000	800	50	1	100	
EA-A-02		2000	1600	4000	2800	2000	1400	2800	2240	2000	1600	60	1	100	
EA-A-03		3000	2400	6000	4200	3000	2100	4200	3360	3000	2400	70	1	100	
EA-A-04		4000	3200	8000	5600	4000	2800	5600	4480	4000	3200	75	1	100	
EA-A-05		5000	4000	10000	7000	5000	3500	7000	5600	5000	4000	80	1	100	
EA-A-06		6000	4800	12000	8400	6000	4200	8400	6720	6000	4800	90	1	100	
EA-A-08		8000	6400	16000	11200	8000	5600	11200	8960	8000	6400	100	1	100	
EA-A-10		10000	8000	20000	14000	10000	7000	14000	11200	10000	8000	110	1	100	
EA-A-12		12000	9600	24000	16800	12000	8400	16800	13440	12000	9600	125	1	100	
EA-A-15		15000	12000	30000	21000	15000	10500	21000	16800	15000	12000	150	1	100	
EA-A-20		20000	16000	40000	28000	20000	14000	28000	22400	20000	16000	180	1	100	
EA-A-25		25000	20000	50000	35000	25000	17500	35000	28000	25000	20000	200	1	100	
EA-A-30		30000	24000	60000	42000	30000	21000	42000	33600	30000	24000	220	1	100	
EA-A-40		40000	32000	80000	56000	40000	28000	56000	44800	40000	32000	250	1	100	
EA-A-50		50000	40000	100000	70000	50000	35000	70000	56000	50000	40000	270	1	100	
EA-A-60		60000	48000	120000	84000	60000	42000	84000	67200	60000	48000	280	1	100	
EA-A-80		80000	64000	160000	112000	80000	56000	112000	89600	80000	64000	300	1	100	
EA-A-100		100000	80000	200000	140000	100000	70000	140000	112000	100000	80000	320	1	100	



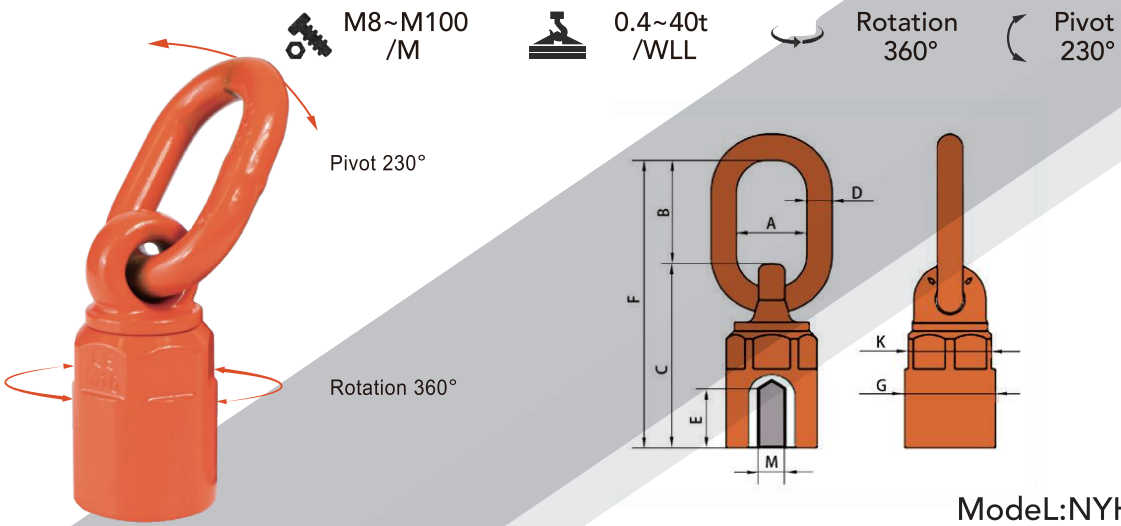
GARGO LASHING SERIES

- Our range of tie-downs is manufactured using ultra-high-tenacity yarns, either in polyester or polypropylene.
- Our polypropylene tie-down series is guaranteed for up to 3 years of use under UV light.
- Our new series of tie-downs includes edge-cutting-resistant tapes and others with anti-sliding properties, providing up to 100% better performance than other products on the market or in our catalog. We also introduce the new series of automatic retractable ratchets in 50 mm and 25 mm widths.
- All our manufacturing processes are as automated as possible to minimize human error, for example, in our stitching.



Model	Explanation	Working Load(kg)	Working length(m)	Webbing width(mm)/(inch)
DL010	1 T,4~8m	1000	4~8	25 (1")
DL015	1.5 T,4~8m	1500	4~8	25 (1")
DL020	2 T,4~8m	2000	4~8	38 (1.5") /50 (2")
DL030	3 T,4~12m	3000	4~12	38 (1.5") /50 (2")
DL040	3 T,4~12m	3000	4~12	50 (2")
DL050	5 T,4~12m	5000	4~12	50 (2")
DL080	8 T,5~12m	8000	4~12	75 (3")
DL100	10 T,5~12m	10000	4~12	100 (4")

NUT TYPE HOIST RING



METRIC THREAD											
ITEM NO.	Working Load WLL/T	Dimensional Parameters / mm									N.G Kg
		M	E	A±2	B±3	C	D	F±3	G	K	
NYH-M8	0.4	M8×1.25	15	30	43.5	82	12	125.5	40	37	0.7
NYH-M10	0.6	M10×1.5	15	30	43.5	82	12	125.5	40	37	0.7
NYH-M12	0.7	M12×1.75	15	30	43.5	82	12	125.5	40	37	0.7
NYH-M14	1.25	M14×2.0	20	30	43.5	82	12	125.5	40	37	0.7
NYH-M16	1.5	M16×2.0	20	30	43.5	82	12	125.5	40	37	0.7
NYH-M18	2.0	M18×2.5	25	40	67	128	20	195	70	64.5	3.2
NYH-M20	2.5	M20×2.5	25	40	67	128	20	195	70	64.5	3.2
NYH-M22	2.5	M22×2.5	25	40	67	128	20	195	70	64.5	3.2
NYH-M24	4	M24×3.0	30	40	67	128	20	195	70	64.5	3.2
NYH-M30	6	M30×3.5	40	51	95	164	22	259	79	74	5.3
NYH-M33	7.5	M33×3.5	40	51	95	164	22	259	79	74	5.3
NYH-M36	10	M36×4.0	45	51	95	164	22	259	79	74	5.2
NYH-M39	10	M39×4.0	45	51	95	164	22	259	79	74	5.1
NYH-M42	13	M42×4.5	63	65	108	190.5	26	298.5	93	85	8.3
NYH-M45	13	M45×4.5	68	65	108	190.5	26	298.5	93	85	8.1
NYH-M48	14	M48×5.0	68	65	108	190.5	26	298.5	93	85	8
NYH-M52	20	M52×5.0	84	70	120	254	32	374	105	95	13.8
NYH-M56	20	M56×5.5	84	70	120	254	32	374	105	95	13.5
NYH-M60	20	M60×5.5	90	70	120	254	32	374	105	95	13.2
NYH-M64	20	M64×6.0	95	70	120	254	32	374	105	95	12.9
NYH-M72	31.5	M72×6.0	108	90	138	347	48	485	169	155	48
NYH-M80	35	M80×6.0	120	90	138	352	48	490	169	155	48
NYH-M90	40	M90×6.0	135	90	138	388	48	526	169	155	52
NYH-M100	40	M100×6.0	135	90	138	388	48	526	169	155	50

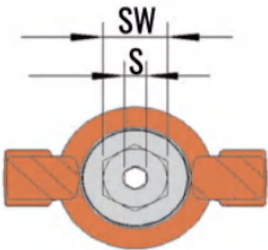
Safety factor: 4:1. Bolt length and thread specification can be customized according to requirements.



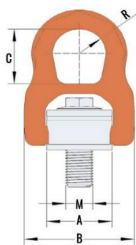
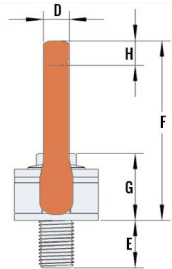
HEAVY DUTY HOIST RING-S



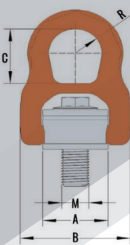
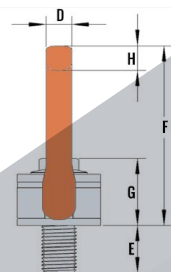
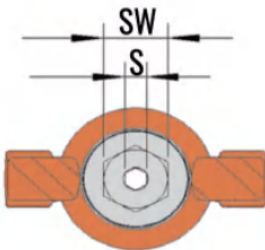
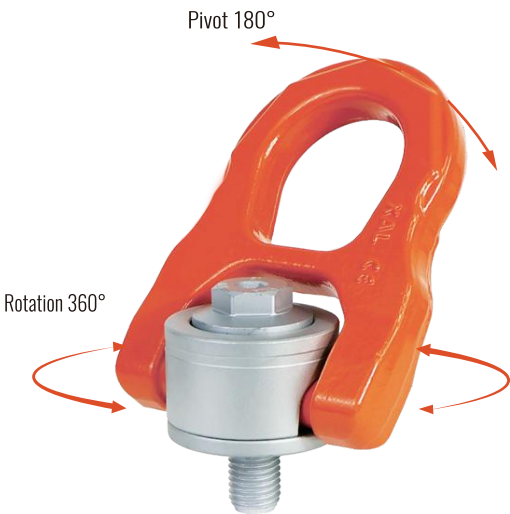
- Safety factor: 4:1
- High-quality alloy steel material, professional forging technology
- The specifications are complete and can meet customized needs
- Traceable production process, raw materials, and so on
- Easy to install
- The bolt's anti-corrosion design works in more conditions
- Standard: DIN EN 1677-1
- Bolt grade: 10.9
- Inspect with 6g go/no-go gauge



METRIC THREAD



Model:HDH



METRIC THREAD

Model:HDH

ITEM NO.	Working Load WLL/T	Dimensional Parameters / mm												Locking Torque / Nm	N.W Kg
		M	E	A	B	C	D	F	G	H	R	S	SW		
HDH-M36S	9	M36×4.0	54	87	147	80	26.5	206	76.5	28	35.5	14	34	500	6
HDH-M36B	12.5	M36×4.0	56	110	186	100	33	256	96.5	36	44	19	46	600	11.5
HDH-M39	13.8	M39×4.0	56	110	186	100	33	256	96.5	36	44	19	46	600	11.7
HDH-M42	15.6	M42×4.5	63	110	186	100	33	256	96.5	36	44	19	46	600	11.8
HDH-M45	17.5	M45×4.5	63	110	186	100	33	256	96.5	36	44	19	46	600	11.9
HDH-M48	20	M48×5.0	72	110	186	100	33	256	96.5	36	44	19	46	600	12.1
HDH-M52	20	M52×5.0	72	123	200	110	35	279	107	36	48.5	22	55	800	15.5
HDH-M56	22	M56×5.5	84	123	200	110	35	279	107	36	48.5	22	55	800	15.9
HDH-M60	22	M60×5.5	84	123	200	110	35	279	107	36	48.5	22	55	800	16.2
HDH-M64	22.5	M64×6.0	100	123	200	110	35	279	107	36	48.5	22	55	800	16.7

UNC THREAD

ITEM NO.	Working Load WLL/T	Dimensional Parameters / mm												Locking Torque / Nm	N.W Kg
		M	TPI	E	A	B	C	D	F	G	H	R	S	SW	
HDH-5/16	0.5	5/16	18	12	33	58	36	10	84	30	10	15.5	6	13	0.3
HDH-3/8	0.6	3/8	16	15	33	58	36	10	84	30	10	15.5	6	13	0.3
HDH-1/2	1	1/2	13	20	33	58	36	10	84	30	10	15.5	8	19	0.33
HDH-5/8	2	5/8	11	24	50	90	50	15	125	44.5	18	22	8	19	1.2
HDH-3/4	3	3/4	10	30	65	117	66	22	163	58	21	29.5	10	27	2.6
HDH-7/8	4	7/8	9	36	65	117	66	22	163	58	21	29.5	10	27	2.65
HDH-1	5	1	8	36	65	117	66	22	163	58	21	29.5	10	27	2.75
HDH-1-1/4	8	1-1/4	7	48	87	147	80	26.5	206	76.5	28	35.5	14	34	5.55
HDH-1-1/2	12.5	1-1/2	6	60	110	186	100	33	256	96.5	36	44	19	46	11.3
HDH-1-3/4	16	1-3/4	5	63	110	186	100	33	256	96.5	36	44	19	46	12.2
HDH-2	20	2	45	72	110	186	100	33	256	96.5	36	44	19	46	13.2
HDH-2-1/4	22	2-1/4	4.5	84	123	200	110	35	279	107	36	48.5	22	55	15.8
HDH-2-1/2	22.5	2-1/2	4	100	123	200	110	35	279	107	36	48.5	22	55	16.5



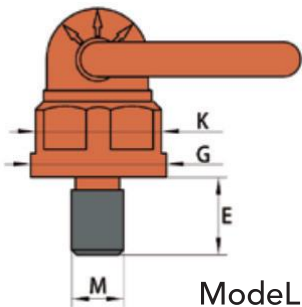
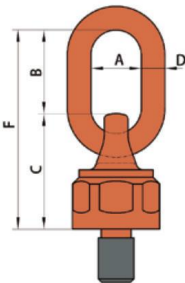
UNIVERSAL HOIST RING-S



built-in ball bearings

M8~M150 /M 0.4~50t /WLL Rotation 360° Pivot 230°

- Safety factor: 4:1
- High-quality alloy steel material, professional forging technology
- The specifications are complete and can meet customized needs
- Traceable production process, raw materials, and so on
- Easy to install
- The bolt's anti-corrosion design works in more conditions
- Standard: DIN EN 1677-1
- Bolt grade: 10.9
- Inspect with 6g go/no-go gauge



Model:DLS

METRIC THREAD

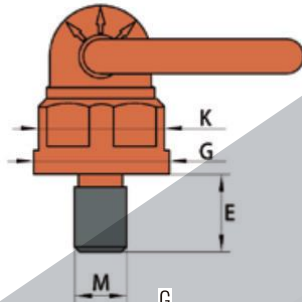
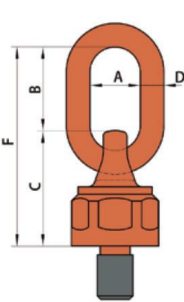
ITEM NO.	Working Load WLL/T	Dimensional Parameters / mm									Locking Torque / Nm	N.G Kg
		M	E	A±2	B±3	C	D	F±3	G	K		
DLS-M8	0.4	M8×1.25	12	30	43.5	54	12	97.5	40	37	10-40	0.43
DLS-M10	0.6	M10×1.5	19	30	43.5	54	12	97.5	40	37	10-40	0.44
DLS-M12S	0.7	M12×1.75	19	30	43.5	54	12	97.5	40	37	15-40	0.44
DLS-M14	1.25	M14×2.0	31.8	30	43.5	54	12	97.5	40	37	30-100	0.46
DLS-M16S	1.5	M16×2.0	31.8	30	43.5	54	12	97.5	40	37	45-130	0.47
DLS-M12B	1.05	M12×1.75	19	34	54.5	78	16	132.5	59	54.5	15-40	1.3
DLS-M16B	1.9	M16×2.0	30	34	54.5	78	16	132.5	59	54.5	45-130	1.3
DLS-M18S	1.9	M18×2.5	30	34	54.5	78	16	132.5	59	54.5	100-170	1.4
DLS-M20S	2	M20×2.5	30	34	54.5	78	16	132.5	59	54.5	100-170	1.4
DLS-M22S	2	M22×2.5	30	34	54.5	78	16	132.5	59	54.5	100-170	1.4
DLS-M24S	3.15	M24×3.0	30	34	54.5	78	16	132.5	59	54.5	100-170	1.4
DLS-M18B	2	M18×2.5	38.1	40	67	93	20	160	72	64.5	100-170	2.3
DLS-M20B	2.5	M20×2.5	38.1	40	67	93	20	160	72	64.5	100-170	2.3

Safety factor: 4:1. Bolt length and thread specification can be customized according to requirements. "B" represents large structure, and "S" represents small structure

UNIVERSAL HOIST RING-S



built-in ball bearings



METRIC THREAD

Pivot 230°



Rotation 360°

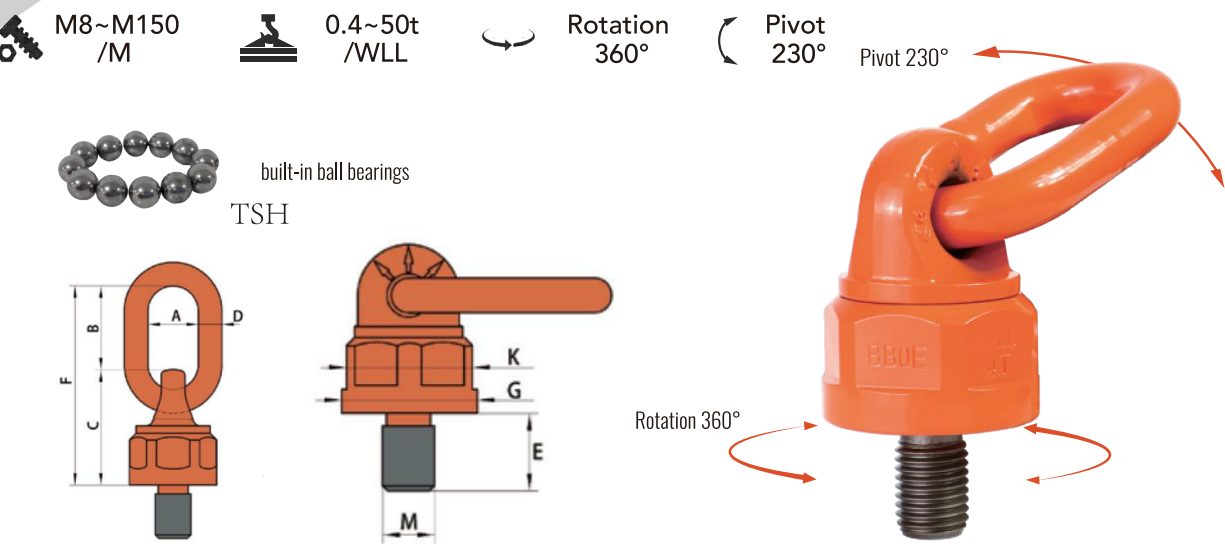
Model:DLS

ITEM NO.	Working Load WLL/T	Dimensional Parameters / mm									Locking Torque / Nm	N.G Kg
		M	E	A±2	B±3	C	D	F±3	G	K		
DLS-M22B	2.5	M22×2.5	38.1	40	67	93	20	160	70	64.5	100-170	2.3
DLS-M24B	4	M24×3.0	38.1	40	67	93	20	160	70	64.5	190-280	2.4
DLS-M27	4	M27×3.0	38.1	40	67	93	20	160	70	64.5	250-500	2.4
DLS-M30S	5	M30×3.5	35	40	67	93	20	160	70	64.5	270-600	2.4
DLS-M30B	6	M30×3.5	50	51	95	111	22	206	79	74	270-600	3.8
DLS-M33	7.5	M33×3.5	50	51	95	111	22	206	79	74	270-600	3.8
DLS-M36	10	M36×4.0	54	51	95	111	22	206	79	74	270-600	3.9
DLS-M39	10	M39×4.0	58	51	95	111	22	206	79	74	350-800	4
DLS-M42	13	M42×4.5	63	65	108	122.5	26	230.5	93	85	350-800	5.9
DLS-M45	13	M45×4.5	68	65	108	122.5	26	230.5	93	85	350-800	6.1
DLS-M48	14	M48×5.0	68	65	108	122.5	26	230.5	93	85	350-800	6.2
DLS-M52	20	M52×5.0	84	70	120	158	32	278	105	85	350-800	10
DLS-M56	20	M56×5.5	84	70	120	158	32	278	105	95	350-900	10
DLS-M60	20	M60×5.5	90	70	120	158	32	278	105	95	350-900	10.5
DLS-M64	20	M64×6.0	95	70	120	158	32	278	105	95	500-1000	10.7
DLS-M72S	25	M72×6.0	108	80	123	230	40	333	158	95	500-1200	25.4
DLS-M80S	30	M80×6.0	120	80	123	210	40	333	158	142	500-1200	26.5
DLS-M90S	35	M90×6.0	135	80	123	210	40	333	158	142	500-1500	28.4
DLS-M100S	35	M100×6.0	135	80	123	210	40	333	158	142	500-1700	30
DLS-M72B	31.5	M72×6.0	108	90	138	230	48	368	169	142	500-1400	33.8
DLS-M80B	35	M80×6.0	120	90	138	230	48	368	169	155	500-1500	35
DLS-M90B	40	M90×6.0	135	90	138	230	48	368	169	155	500-1500	37
DLS-M100B	40	M100×6.0	135	90	138	230	48	368	169	155	500-1700	38.3
DLS-M110	50	M110×6.0	135	90	138	230	48	368	169	155	500-1700	40.3
DLS-M120	50	M120×6.0	135	90	138	230	48	368	169	155	500-1700	42.2
DLS-M130	50	M130×6.0	135	90	138	230	48	368	198	155	500-1700	46.2
DLS-M140	50	M140×6.0	135	90	138	230	48	368	198	155	500-1700	48.4
DLS-M150	50	M150×6.0	135	90	138	230	48	368	198	155	500-1700	50.7

Safety factor: 4:1. Bolt length and thread specification can be customized according to requirements. "B" represents large structure, and "S" represents small structure



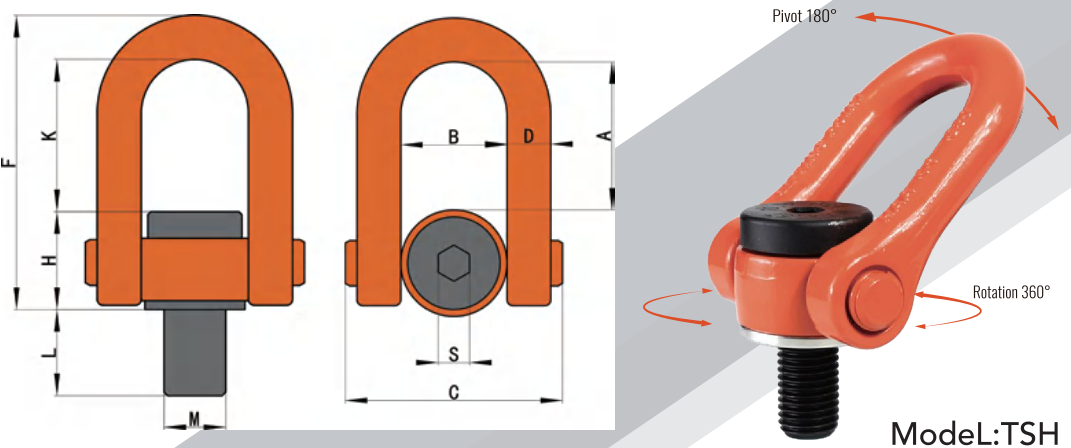
UNIVERSAL HOIST RING-S



UNC THREAD

ITEM NO.	Working Load WLL/T	Dimensional Parameters / mm										Locking Torque / Nm	N.W Kg
		M	TPI	E	A±2	B±3	C	D	F±3	G	K		
DLS-5/16	0.4	5/16	18	12	30	43.5	54	12	97.5	40	37	10-40	0.43
DLS-3/8	0.6	3/8	16	19	30	43.5	54	12	97.5	40	37	10-40	0.43
DLS-1/2S	0.7	1/2	13	19	30	43.5	54	12	97.5	40	37	15-40	0.45
DLS-3/8S	1.5	5/8	11	31.8	30	43.5	54	12	97.5	40	37	45-130	0.47
DLS-1/2B	1.05	1/2	13	19	34	54.5	78	16	132.5	59	54.5	15-40	1.3
DLS-3/8B	1.9	5/8	11	30	34	54.5	78	16	132.5	59	54.5	45-130	1.3
DLS-3/4S	1.9	3/4	10	30	34	54.5	78	16	132.5	59	54.5	45-130	1.3
DLS-7/8S	2	7/8	9	30	34	54.5	78	16	132.5	59	54.5	100-170	1.4
DLS-1S	3.15	1	8	30	34	54.5	78	16	132.5	59	54.5	190-280	1.4
DLS-3/4B	2	3/4	10	38.1	40	67	93	20	160	70	64.5	45-130	2.3
DLS-7/8B	2.5	7/8	9	38.1	40	67	93	20	160	70	64.5	100-170	2.3
DLS-1B	4	1	8	38.1	40	67	93	20	160	70	64.5	190-280	2.4
DLS-1-1/4	6	1-1/4	7	50	51	95	111	22	206	79	74	270-600	3.8
DLS-1-1/2	10	1-1/2	6	54	51	95	111	22	206	79	74	270-600	4
DLS-1-3/4	13	1-3/4	5	68	65	108	122.5	26	230.5	93	85	350-800	6
DLS-2S	14	2	4.5	68	65	108	122.5	26	230.5	93	85	350-800	6.3
DLS-2B	17	2	4.5	84	70	120	158	32	278	105	95	350-800	9.8
DLS-2-1/4	20	2-1/4	4.5	84	70	120	158	32	278	105	95	350-900	10.2
DLS-2-1/2	20	2-1/2	4	95	70	120	158	32	278	105	95	350-900	10.8
DLS-3S	25	3	4	108	80	123	210	40	333	158	142	500-1400	25.75
DLS-3-1/2S	35	3-1/2	4	135	80	123	210	40	333	158	142	500-1400	28.4
DLS-4S	35	4	4	135	80	123	210	40	333	158	142	500-1700	30.4

TSH SWIVEL HOIST RING



Model:TSH

METRIC THREAD

ITEM NO.	Working Load WLL/T	Dimensional Parameters / mm										Locking Torque Nm	N.G Kg
		M	E	A±3	B±3	C	D	F	K±3	H	S		
TSH-M8	0.5	M8-1.25	12	50.5	37	76	14	101.5	49.5	38	8	10-40	0.65
TSH-M10	0.7	M10-1.5	16	50.5	37	76	14	101.5	49.5	38	8	10-40	0.65
TSH-M12	1.0	M12-1.75	18	50.5	37	76	14	101.5	49.5	38	8	15-40	0.65
TSH-M14	1.5	M14-2.0	21	50.5	37	76	14	101.5	49.5	38	8	30-100	0.66
TSH-M16	2.0	M16-2.0	24	50.5	37	76	14	101.5	49.5	38	8	45-130	0.67
TSH-M18	2.5	M18-2.5	40	74.5	54	105	20	145.0	77	48	12	100-170	1.8
TSH-M20	3.0	M20-2.5	40	74.5	54	105	20	145.0	77	48	12	100-170	1.8
TSH-M22	3.0	M22-2.5	40	74.5	54	105	20	145.0	77	48	12	100-170	1.9
TSH-M24	4.5	M24-3.0	40	74.5	54	105	20	145.0	77	48	12	190-280	1.9
TSH-M27	5.0	M27-3.0	40	98.5	73	146	30	201.5	103.5	68	17	250-500	5.3
TSH-M30	7.3	M30-3.5	45	98.5	73	146	30	201.5	103.5	68	17	270-600	5.3
TSH-M33	8.0	M33-3.5	50	98.5	73	146	30	201.5	103.5	68	17	270-600	5.3
TSH-M36	10.0	M36-4.0	54	98.5	73	146	30	201.5	103.5	68	17	270-600	5.4
TSH-M39	10.0	M39-4.0	58	98.5	73	146	30	201.5	103.5	68	17	350-800	5.6
TSH-M42	12.5	M42-4.5	63	98.5	73	146	30	201.5	103.5	68	17	350-800	5.8
TSH-M45	15	M45-4.5	63	98.5	73	146	30	201.5	103.5	68	17	350-800	5.9
TSH-M48S	16	M48-5.0	63	98.5	73	146	30	201.5	101.5	70	17	350-800	6.1
TSH-M48B	20	M48-5.0	68	120	93	182	36	249	125	84	19	350-800	11
TSH-M52	20	M52-5.0	68	120	93	182	36	249	125	84	19	350-900	11.4
TSH-M56	25	M56-5.5	78	120	93	182	36	249	125	84	19	350-900	11.5
TSH-M60	25	M60-5.5	90	120	93	182	36	253	125	88	19	350-600	12
TSH-M64S	32	M64-6.0	90	120	93	182	36	253	125	88	19	500-1000	12.5
TSH-M64B	33	M64-6.0	100	185	144	280	58	395	195	136	36	500-1000	42
TSH-M72X4	35	M72-4.0	110	185	144	280	58	395	195	136	36	500-1200	43
TSH-M72X6	35	M72-6.0	110	185	144	280	58	395	195	136	36	500-1200	43
TSH-M80	40	M80-6.0	120	185	144	280	58	395	195	136	36	500-1200	44.5
TSH-M90	45	M90-6.0	135	185	144	280	58	395	195	136	36	500-1500	46.5
TSH-M100	50	M100-6.0	150	185	144	280	58	395	195	136	36	500-1700	49

UNC THREAD

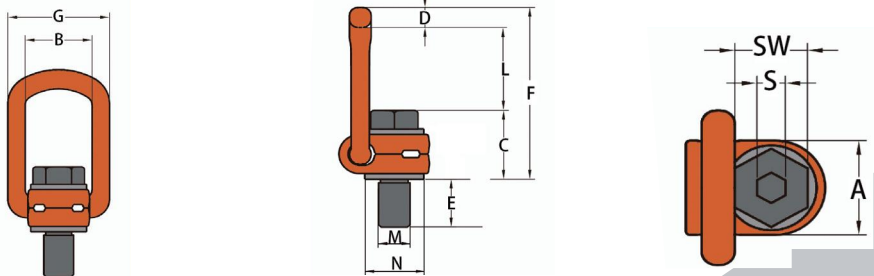
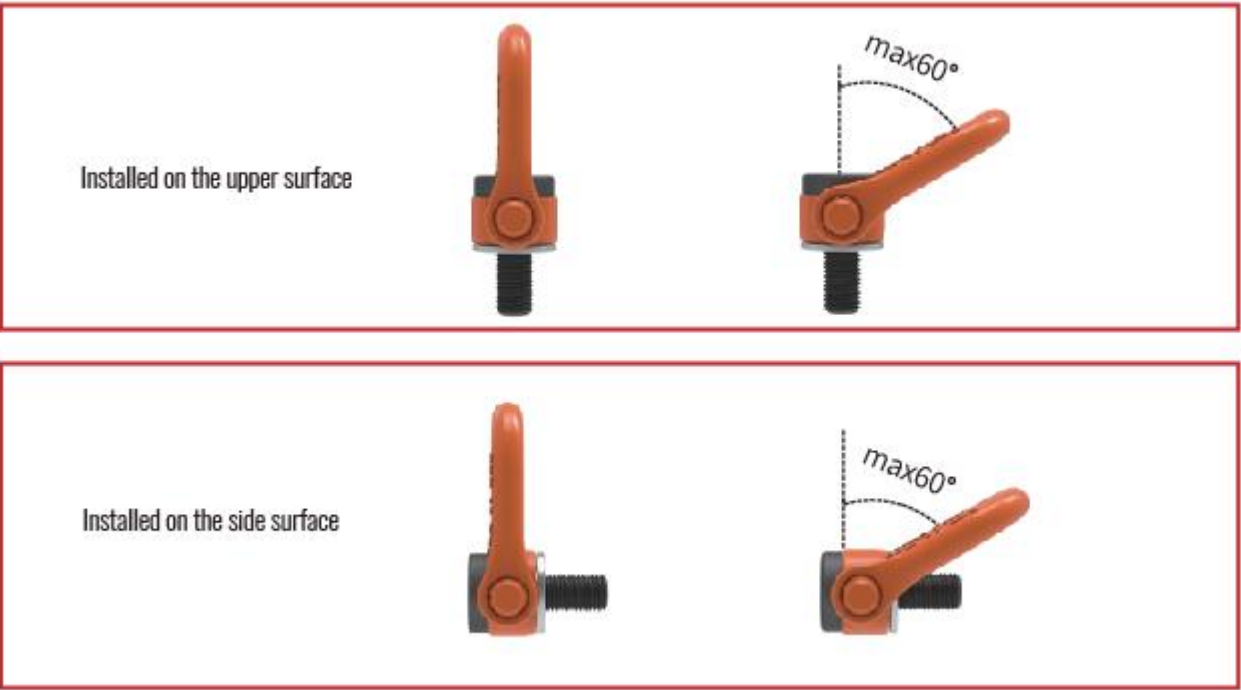
TSH-5/16	0.5	5/16	18	12	50.5	37	76	14	101.5	49.5	38	8	10-40	0.65
TSH-3/8	0.7	3/8	16	16	50.5	37	76	14	101.5	49.5	38	8	10-40	0.65
TSH-1/2	1.5	1/2	13	21	50.5	37	76	14	101.5	49.5	38	8	15-40	0.65
TSH-5/8	2	5/8	11	24	50.5	37	76	14	101.5	49.5	38	8	45-130	0.66
TSH-3/4	3	3/4	10	40	74.5	54	105	20	145	77	48	12	45-130	1.8
TSH-7/8	3	7/8	9	40	74.5	54	105	20	145	77	48	12	100-170	1.9
TSH-1	4.5	1	8	40	74.5	54	105	20	145	77	48	12	190-280	1.8
TSH-1-1/4	8	1-1/4	7	45	98.5	73	146	30	201.5	103.5	68	17	270-600	5.4
TSH-1-1/2	10	1-1/2	6	54	98.5	73	146	30	201.5	103.5	68	17	270-600	5.5
TSH-1-3/4	15	1-3/4	5	63	98.5	73	146	30	201.5	103.5	68	17	350-800	5.9
TSH-2	20	2	4.5	68	120	93	182	36	249	125	84	19	350-800	11.2
TSH-2-1/4	25	2-1/4	4.5	78	120	93	182	36	249	125	84	19	350-800	11.7
TSH-2-1/2	32	2-1/2	4	90	120	93	182	36	253	125	88	19	500-1400	12.5
TSH-2-3/4	33	2-3/4	4	110	185	144	280	58	395	195	136	36	500-1400	42.5
TSH-3	35	3	4	120	185	144	280	58	395	195	136	36	500-1400	43.5
TSH-3-1/4	40	3-1/4	4	120	185	144	280	58	395	195	136	36	500-1400	44
TSH-3-1/2	42	3-1/2	4	135	185	144	280	58	395	195	136	36	500-1700	44.5
TSH-3-3/4	45	3-3/4	4	150	185	144	280	58	395	195	136	36	500-1700	46.5
TSH-4	50	4	4	150	185	144	280	58	395	195	136	36	500-1700	49



SIDE LOAD LIFTING POINT

M81~M64 /M 0.3~22.5t /WLL Rotation 360° Pivot 180°

- Safety factor: 4:1
- High-quality alloy steel material, professional forging technology
- The specifications are complete and can meet customized needs
- Traceable production process, raw materials, and so on
- Easy to install
- The bolt's anti-corrosion design works in more conditions
- Standard: DIN EN 1677-1
- Bolt grade: 10.9
- Built-in positioning circlip
- Inspect with 6g go/no-go gauge



Model:SPS

METRIC THREAD

ITEM NO.	Working Load	Dimensional Parameters / mm										Locking Torque Nm	N.G Kg
		M	E	A±3	B±3	C	D	F	K±3	H	S		
SPS-M8	0.5	M8×1.25	12	50.5	37	76	14	101.5	49.5	38	8	10-40	0.65
SPS-M10	0.7	M10×1.5	16	50.5	37	76	14	101.5	49.5	38	8	10-40	0.65
SPS-M12	1	M12×1.75	18	50.5	37	76	14	101.5	49.5	38	8	15-40	0.65
SPS-M14	1.5	M14×2.0	21	50.5	37	76	14	101.5	49.5	38	8	30-100	0.66
SPS-M16	2	M16×2.0	24	50.5	37	76	14	101.5	49.5	38	8	45-130	0.67
SPS-M18	2.5	M18×2.5	40	74.5	54	105	20	145	77	48	12	100-170	1.8
SPS-M20	3	M20×2.5	40	74.5	54	105	20	145	77	48	12	100-170	1.8
SPS-M22	3	M22×2.5	40	74.5	54	105	20	145	77	48	12	100-170	1.9
SPS-M24	4.5	M24×3.0	40	74.5	54	105	20	145	77	48	12	190-280	1.9
SPS-M27	5	M27×3.0	40	98.5	73	146	30	201.5	103.5	68	17	250-500	5.3
SPS-M30	7.3	M30×3.5	45	98.5	73	146	30	201.5	103.5	68	17	270-600	5.3
SPS-M33	8	M33×3.5	50	98.5	73	146	30	201.5	103.5	68	17	270-600	5.3
SPS-M36	10	M36×4.0	54	98.5	73	146	30	201.5	103.5	68	17	270-600	5.4
SPS-M39	10	M39×4.0	58	98.5	73	146	30	201.5	103.5	68	17	350-800	5.6
SPS-M42	12.5	M42×4.5	63	98.5	73	146	30	201.5	103.5	68	17	350-800	5.8
SPS-M45	15	M45×4.5	63	98.5	73	146	30	201.5	103.5	68	17	350-800	5.9
SPS-M48S	16	M48×5.0	63	98.5	73	146	30	201.5	101.5	70	17	350-800	6.1
SPS-M48B	20	M48×5.0	68	120	93	182	36	249	125	84	19	350-800	11
SPS-M52	20	M52×5.0	68	120	93	182	36	249	125	84	19	350-900	11.4
SPS-M56	25	M56×5.5	78	120	93	182	36	249	125	84	19	350-900	11.5
SPS-M60	25	M60×5.5	90	120	93	182	36	253	125	88	19	350-900	12
SPS-M64S	32	M64×6.0	90	120	93	182	36	253	125	88	19	500-1000	12.5
SPS-M68	33	M64×6.0	100	185	144	280	58	395	195	136	36	500-1000	42
SPS-M72X4	35	M72×4.0	110	185	144	280	58	395	195	136	36	500-1200	43
SPS-M72X6	35	M72×6.0	110	185	144	280	58	395	195	136	36	500-1200	43
SPS-M80	40	M80×6.0	120	185	144	280	58	395	195	136	36	500-1200	44.5
SPS-M90	45	M90×6.0	135	185	144	280	58	395	195	136	36	500-1500	46.5
SPS-M100	50	M100×6.0	150	185	144	280	58	395	195	136	36	500-1700	49

UNC THREAD

ITEM NO.	Working Load	Dimensional Parameters / mm											Locking Torque Nm	N.G Kg
		M	TPI	E	A±3	B±3	C	D	F	K±3	H	S		
SPS-5/16	0.5	5/16	18	12	50.5	37	76	14	101.5	49.5	38	8	10-40	0.65
SPS-3/8	0.7	3/8	16	16	50.5	37	76	14	101.5	49.5	38	8	10-40	0.65
SPS-1/2	1.5	1/2	13	21	50.5	37	76	14	101.5	49.5	38	8	15-40	0.65
SPS-5/8	2	5/8	11	24	50.5	37	76	14	101.5	49.5	38	8	45-130	0.66
SPS-3/4	3	3/4	10	40	74.5	54	105	20	145	77	48	12	45-130	1.8
SPS-7/8	3	7/8	9	40	74.5	54	105	20	145	77	48	12	100-170	1.9
SPS-1	4.5	1	8	40	74.5	54	105	20	145	77	48	12	190-280	1.8
SPS-1-1/4	8	1-1/4	7	45	98.5	73	146	30	201.5	103.5	68	17	270-600	5.4
SPS-1-1/2	10	1-1/2	6	54	98.5	73	146	30	201.5	103.5	68	17	270-600	5.5
SPS-1-3/4	15	1-3/4	5	63	98.5	73	146	30	201.5	103.5	68	17	350-800	5.9
SPS-2	20	2	4.5	68	120	93	182	36	249	125	84	19	350-800	11.2
SPS-2-1/4	25	2-1/4	4.5	78	120	93	182	36	249	125	84	19	350-800	11.7
SPS-2-1/2	32	2-1/2	4	90	120	93	182	36	253	125	88	19	500-1400	12.5
SPS-2-3/4	33	2-3/4	4	110	185	144	280	58	395	195	136	36	500-1400	42.5
SPS-3	35	3	4	120	185	144	280	58	395	195	136	36	500-1400	43.5
SPS-3-1/4	40	3-1/4	4	120	185	144	280	58	395	195	136	36	500-1400	44
SPS-3-1/2	42	3-1/2	4	135	185	144	280	58	395	195	136	36	500-1700	44.5
SPS-3-3/4	45	3-3/4	4	150	185	144	280	58	395	195	136	36	500-1700	46.5
SPS-4	50	4	4	150	185	144	280	58	395	195	136	36	500-1700	49

Safety factor: 4:1. Bolt length and thread specification can be customized according to requirements.



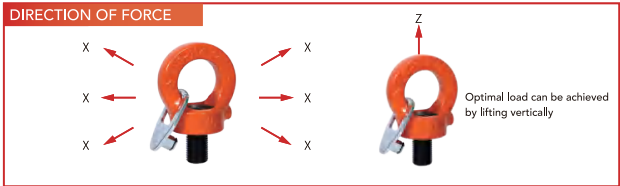
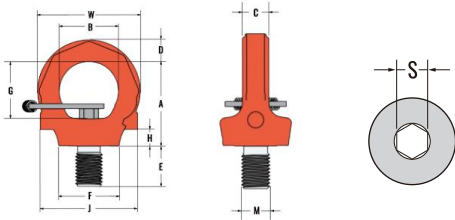
KEY EYE POINT-S

M81~M64 /M 0.3~18t /WLL Rotation 360°

- Safety factor: 4:1
- High-quality alloy steel material, professional forging technology
- The specifications are complete and can meet customized needs
- Traceable production process, raw materials, and so on
- Easy to install
- The bolt's anti-corrosion design works in more conditions
- Standard: DIN EN 1677-1
- Bolt grade: 10.9
- Inspect with 6g go/no-go gauge



Model:L: LSE

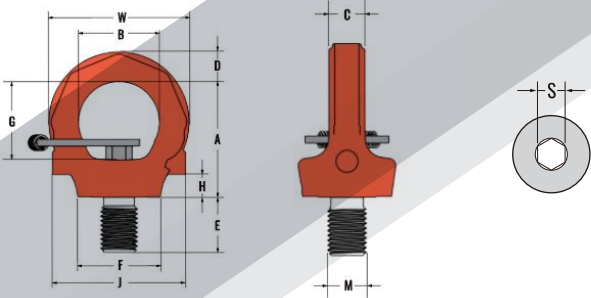


KEY EYE POINT-S



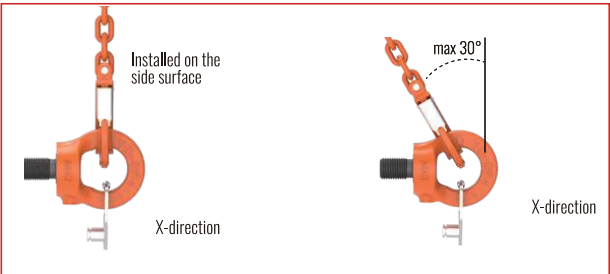
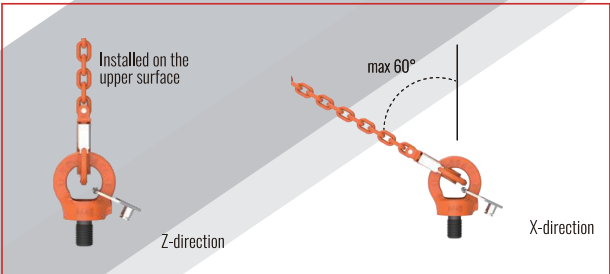
Rotation 360°

Open the stopper and it can rotate 360°



5/16~2-1/2 UNC 0.4~40t /WLL Rotation 360°

Direction of force



Model:L: LSE

METRIC THREAD

ITEM NO.	Working Load WLL/T	M	Dimensional Parameters / mm								Locking Torque Nm	N.G Kg
			E	A	B	C	D	F	W	s		
LSE-M8	0.3	M8-1.25	12	40	25	8	9.5	26	44	6	10-40	0.12
LSE-M10	0.4	M10-1.5	15	40	25	8	9.5	26	44	6	10-40	0.13
LSE-M12	0.75	M12-1.75	18	47	30	10	11	32	52	8	15-40	0.2
LSE-M14	0.75	M14-2.0	18	47	30	10	11	32	52	8	30-100	0.2
LSE-M16	1.5	M16-2.0	24	54	35	14	13	39	61	10	45-130	0.4
LSE-M18	1.5	M18-2.5	24	54	35	14	13	39	61	10	100-170	0.4
LSE-M20	2.3	M20-2.5	30	63	40	16	15	47	70	12	100-170	0.6
LSE-M22	2.3	M22-2.5	30	63	40	16	15	47	70	12	100-170	0.6
LSE-M24	3.2	M24-3.0	36	73	48	19	18	55	84	14	190-280	1.0
LSE-M27	3.2	M27-3.0	36	73	48	19	18	55	84	14	250-500	1.0
LSE-M30	4.5	M30-3.5	45	91.5	60	24	22.5	67	105	17	270-600	1.9
LSE-M33	4.5	M33-3.5	45	91.5	60	24	22.5	67	105	17	270-600	1.9
LSE-M36	7.0	M36-4.0	54	114	72	29	27	85	126	22	270-600	3.6
LSE-M42	9.0	M42-4.5	63	130	82	34	32.5	98	147	22	350-800	5.6
LSE-M48	12.0	M48-5.0	72	151	96	38	36	114	168	27	350-800	8.5

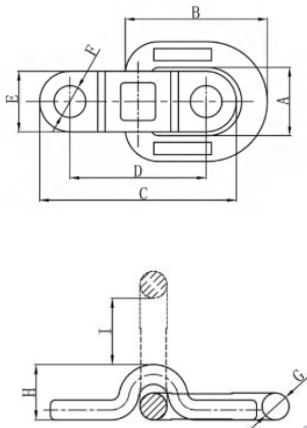
UNC THREAD

ITEM NO.	Working Load WLL/T	Thrad M	TPI	Dimensional Parameters / mm								Locking Torque Nm	N.G Kg
				E	A	B	C	D	F	W	S		
LSE-5/16	0.3	5/16	18	12	40	25	8	9.5	26	44	6	10-40	0.15
LSE-3/8	0.4	3/8	16	15	40	25	8	9.5	26	44	6	10-40	0.15
LSE-1/2	0.75	1/2	13	18	47	30	10	11	32	52	8	15-40	0.2
LSE-5/8	1.5	5/8	11	24	54	35	14	13	39	61	10	45-130	0.35
LSE-3/4	2.3	3/4	10	30	63	40	16	15	47	70	12	45-130	0.6
LSE-7/8	2.3	7/8	9	30	63	40	16	15	47	70	12	100-170	0.6
LSE-1	3.2	1	8	36	73	48	19	18	55	84	14	190-280	1.0
LSE-1-1/4	4.5	1-1/4	7	45	91.5	60	24	22.5	67	105	17	270-600	2.0
LSE-1-1/2	7	1-1/2	6	54	114	72	29	27	85	126	22	270-600	3.8
LSE-1-3/4	9	1-3/4	5	63	130	82	34	32.5	98	147	22	350-800	5.0
LSE-2	12	2	4.5	72	151	96	38	36	114	168	27	350-800	7.5



D-RING WITH CURVED LATCH PLATE

- This lifting point can swivel 180° in the direction of the load.
- The product is precision forged from alloy steel, then quenched and tempered.
- Bolts are not supplied with the product. It is recommended to use grade 10.9 or 12.9 bolts.
- 100% magnaflux crack detection is performed on every product.
- 100% proof tested at 2.5 times the Working Load Limit.
- Sample break test is conducted for each production lot.
- Fatigue tested on a sample basis at 1.5 times the Working Load Limit for 20,000 cycles.
- A safety factor of 4:1 is maintained at any lifting angle.
- Swivel rings are manufactured and tested according to EU standard EN1677-1.



Model:DRC

ITEM NO.	Dimensions(mm)									W.L.L (t)	Weight (kg)
	A	B	C	D	E	F	G	H	I		
DRC01	41	78	104	72	36	15	13	27	38	1.12	0.53
DRC02	45	94	130	90	40	21	17	35	42	3.15	0.96
DRC03	55	118	160	110	50	25	22	43	53	5.3	1.93
DRC04	70	140	190	130	64	28	26	57	57.7	8	3.40

D-RING WITH CURVED LATCH PLATE

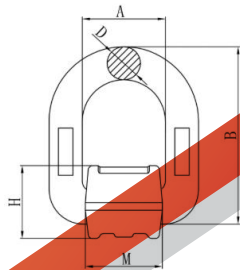
LIFTING MODE AND LOAD CAPACITY TABLE

Model:DRC

Lifting method											
Number of sling legs	1	2	2	2	2	3-4	2	2			
Angle	0°	90°	0°	90°	0-45° 45-60°	0-45° 45-60°	Asymmetry	Asymmetry			
ITEM NO.	Size (T)	Working Load Limit / T									
DRC01	1.12T	1.12	1.12	2.24	2.24	1.6	1.12	2.3	1.68	1.12	1.12
DRC02	3.15T	3.15	3.15	6.3	6.3	4.4	3.15	6.6	4.7	3.15	3.15
DRC03	5.3T	5.3	5.3	10.6	10.6	7.4	5.3	11.2	7.9	5.3	5.3
DRC04	8T	8	8	16	16	11.2	8	16.8	12	8	8

FORGED D-RING

ITEM NO.	Dimensions(mm)					M.B.S (t)	Weight (kg)
	A	B	D	H	M		
DRW01	41	78	13	30	37	1.12	0.40
DRW02	42	88	14	34	40	2	0.48
DRW03	45	94	17	37	42.5	3.15	0.69
DRW04	55	118	22	47.5	51	5.3	1.50
DRW05	70	140	26	57	66	8	2.50
DRW06	85	164	28	62	77	10	3.50
DRW07	98	188	34	74	89	15	5.79
DRW08	147	278	46	85	121	20	15.1



Model:DRW