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TRINITY INTERNATIONAL

Feel Safety . . No Worry



AN ISO 9001:2015
ISO 14001:2015
CE Certified Company



Lifting & Material
Handling
Solutions



Company Profile

Our company is one of the reputed manufacturer of Lifting and Material Handling Products. Our product range includes Lifting and Material Handling, Industrial Slings, Industrial Hooks, Industrial Clamps, Industrial Ropes and Industrial Equipment. We are supported and guided by our highly experienced mentor, Managing Director, who has vast experience in this field. His transparent dealings, fair business policies and sound strategies have helped us to acquire enormous clients in the market. Furthermore, our company has carved a position for ourselves in the market.

Our company is equipped with state-of-the-art infrastructure outfitted with latest and innovative technologies. For functioning in an efficient manner, we have divided our whole unit into varied departments like quality checking unit, R&D unit, production unit and warehousing and packaging unit..



Our testing facility

To achieve success, quality has always been our forte. The range of our Lifting and Material Handling Products are procured from trusted vendors. In order to make sure highest quality, we are backed by our expert's quality controllers who check our products on varied parameters. These parameters are sturdy construction, performance, corrosion resistance and dimensional accuracy. Our quality analyst makes sure that our range is delivered at time. Furthermore, our quality controllers have extensive experience in this field.

SALIENT FEATURES

POLYESTER ROUND SLINGS

1. Polyester Round Sling is Superior Quality, conforming to IS 15041-2001/EN 1492.1/2001/EN 1492-4-2004 materia construction of Sling is 100% Polyester Yarn Hank wound continuously together in the form of the Endless Sling. The Safety Factor is 7 : 1.
2. It is a Double Sleeve Type. The Yarn Hank Provides better protection and longer service life with greater resistance to wear and damage, using suitable ourer sleeve on the Polyester yarn hank.

POLYESTER WEBBING SLINGS

The Polyester Wbbing Slings with reinforced Eyes at both sides are manufactured as per S 15041-2001/EN 1492.1/2001/EN 1492-4-2004. The Safety factor is 7 : 1

PROPERTIES OF SLINGS

1. It is low weight, non corrosive, good resistance to heat, excellent elcectrical insulation properties and good chemical resistance as per specified standard. Working temperature range -40 deg. C to + 100deg.C.
2. It does not have any Fibre Optic Core. It will not create sparks in explosive or hazardous environments.
3. The maximum Elongation permitted is only 2.5% at WLL.
4. Safety Factor for Sling is minimum 7.1.
5. Each Sling carries a tag indicating Sling no., Type, WLL. Load test date
6. It is Suitable for Choked lift (Choker mode) also.

MATERIAL CONSTRUCTION DETAILS

- 100% Polyester Yarn used to manufacture Slings with relative density of 13.8 & melting point 260 Deg. D. The safe working temperature for these slings are (-) 40 deg.C to (+) 100 deg.c. Elasticity is 2.5% elongation at SWL rated capacity & recovery is 35% after 95% after 24 hours. Its electrical resistance, in dry statem tends to infinity.
- These sling are highly resistant to mild acids, alkalis, alcohol, code DIN-EN 1492-Part 2/. BS 6668 PART II/BS 3481 Part 1 & Part 2 1983.
- These sling are highlt resistant to mild acids, alkalis, alcohol, bleaching agents, dry cleaning solvents, halogenate Hydro-carbons, Ketones, Crude oil Soap & detergent.

SAFETY IN LIFTING



Wrongway



Wrongway



Wrongway



Right Way



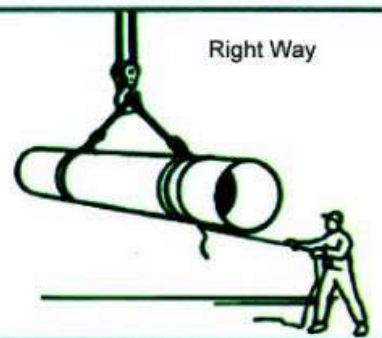
Wrongway



Right Way



Wrongway



Right Way



Wrongway



Right Way

Do's & Don'ts for safe use of flat web Sling and Round and Ratchet of SAMSON of SAMSON BRAND

- 1) Use Only identified sling.
- 2) Never use a damaged sling.
- 3) Never make knots in a sling.
- 4) Never drag a slings from underneath a load that is resting on it
- 5) Never use a sling with unprotected sharp edges.
- 6) Always ensure that lifting hooks or devoices have smooth edges that will not damage the eyes of the sling.
- 7) If slings are to used in chemically abnormal atmospheres or in constant high temperature then seek confirmation of advices before use.
- 8) Do not store sling in ultraviolet light OR direct sunlight OR near direct heat.
- 9) Never use a round sling that has a damaged outer sheath.
- 10) Always observe the certified capacity of a sling.
- 11) Always inspect a sling before use.
- 12) When inspecting sling examine the full length for chafe/cuys/seam damage.
- 13) Any sling with curs at the edge or damaged to stitcher seams must be taken our of service immediately.
- 14) Working Temperature range -40°c + 100°c

Polyester Webbing Slings

We are always on our toes to supply our clients a wide range of Polyester Webbing Slings that is sourced from the reliable and reputed vendors of the market to ensure dependable durability and excellent efficiency. We manufacture our range of products from high grade polyester yarn hank, which is knitted together in the form of endless slings. These slings are made available in protective cover sleeves. We have dedicated team of quality controllers who conduct severe checks on all procured products to ensure a spotless range of products.

CODE	Vertical Straight Lift	Colour	Width	Approx. Thick (mm)	Choker	Basket	Basket 45°	Basket 90°	Remarks
GW1	1,000 Kg	VIOLET	25	7	800 Kg	2,000 Kg	1,800 Kg	1,400 Kg	Double Ply
GW2	2,000 Kg	GREEN	50	7	1,600 Kg	4,000 Kg	3,600 Kg	2,800 Kg	Double Ply
GW3	3,000 Kg	YELLOW	75	7	2,400 Kg	6,000 Kg	4,500 Kg	4,200 Kg	Double Ply
GW4	4,000 Kg	GREY	100	7	3,200 Kg	8,000 Kg	7,200 Kg	5,600 Kg	Double Ply
GW5	5,000 Kg	RED	125	7	4,000 Kg	10,000 Kg	9,000 Kg	7,000 Kg	Double Ply
GW6	6,000 Kg	BROWN	150	7	4,800 Kg	12,000 Kg	10,800 Kg	8,400 Kg	Double Ply
GW8	8,000 Kg	BLUE	200	7	6,400 Kg	16,000 Kg	14,400 Kg	11,200 Kg	Double Ply
GW10	10,000 Kg	ORANGE	250	7	8,000 Kg	20,000 Kg	18,000 Kg	14,000 Kg	Double Ply
GW12	12,000 Kg	ORANGE	300	7	9,600 Kg	24,000 Kg	21,600 Kg	16,800 Kg	Double Ply
GW15	15,000 Kg	ORANGE	250	10.5	12,000 Kg	30,000 Kg	27,000 Kg	21,000 Kg	3 Ply
GW16	16,000 Kg	BLUE	200	14	12,800 Kg	32,000 Kg	28,800 Kg	22,400 Kg	4 Ply
GW18	18,000 Kg	ORANGE	300	10.5	14,400 Kg	36,000 Kg	32,400 Kg	25,200 Kg	3 Ply
GW20	20,000 Kg	ORANGE	250	14	16,000 Kg	40,000 Kg	36,000 Kg	28,000 Kg	4 Ply
GW24	24,000 Kg	ORANGE	250	14	16,000 Kg	40,000 Kg	36,000 Kg	28,000 Kg	4 Ply

Webbing Flat Slings are manufactured as per IS 15041-2001/EN 1492.1/2001/EN 1492-4-2004



How to Order

Sling with Eye Loops (webbing) :

Vertical Capacity in Ton X effective length (Loop to Loop) in Meter

Polyester Round Slings

Our Products like Polyester Round Endless Slings, are renowned for their qualitative parameters as well as their utilitarian aspects.

CODE	Vertical Straight Lift	Colour	Width	Approx. Thick (mm)	Choker 80%	Basket 200%	Basket 140%	Basket 100%
GR1	1,000 Kg	VIOLET	40	6	800	2000	2000	1000
GR2	2,000 Kg	GREEN	50	7	1600	4000	4000	2000
GR3	3,000 Kg	YELLOW	60	8	2400	6000	6000	3000
GR4	4,000 Kg	GREY	70	9	3200	8000	8000	4000
GR5	5,000 Kg	RED	75	11	4000	10000	10000	5000
GR6	6,000 Kg	BROWN	80	12	4800	12000	12000	6000
GR8	8,000 Kg	BLUE	90	13	6400	16000	16000	8000
GR10	10,000 Kg	ORANGE	100	15	8000	20000	20000	10000
GR12	12,000 Kg	ORANGE	110	16	9600	24000	24000	12000
GR15	15,000 Kg	ORANGE	125	18	12000	30000	30000	15000
GR20	20,000 Kg	ORANGE	150	20	16000	40000	40000	20000
GR30	30,000 Kg	ORANGE	200	32	24000	60000	60000	30000
GR50	50,000 Kg	ORANGE	220	45	40000	100000	100000	50000
GR80	80,000 Kg	ORANGE	260	70	64000	160000	160000	80000
GR100	1,00,000 Kg	ORANGE	290	80	80000	200000	200000	100000

- Higher Capacity Slings are available on request.
- Round Slings are manufactured as per following Standards:
IS 15041-2001/EN 1492.1/2001/EN 1492-4-2004



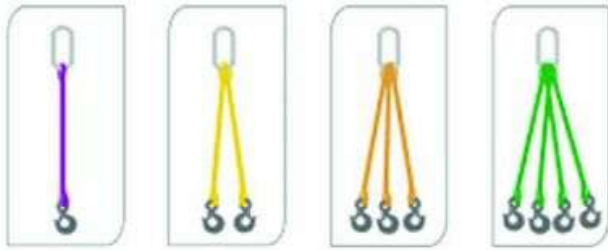
How to Order

Endless Sling :

Vertical lifting capacity in Ton. X Circumferential length in meter
or

Vertical lifting capacity in ton X effective length (Half of Circumferential length)

Polyester Multi Leg Slings



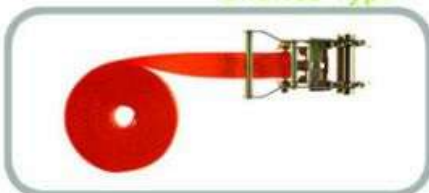
How to Order

- Capacity
- No Of Leg
- Length
- Attachment of Bottom

Cargo Lashings / Ratchet Lashings

Endless Type

Double Part Type



How to Order

- Endless : Width x Length
- Double Part : Width x Fixed Length With Hook x Variable Length With Hook (Wedi)

Paralle Lane Round Eye & Eye Slings



Eye & Eye Round Slings



How to Order Capacity x Effective Length

Zhola Type / Loweing Belts

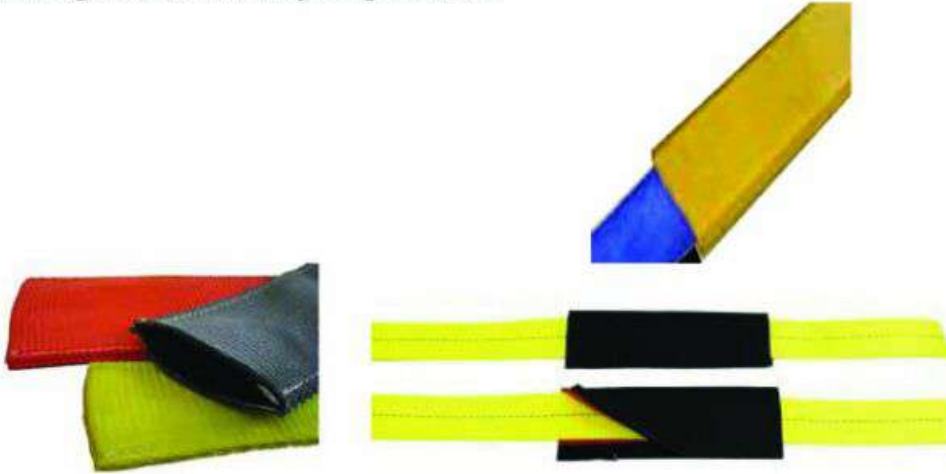


Normal Pipe Size Inches	Width mm	Length mtr	Holes per Strip	S.W.L
12	300	1.45	2	12000
18	450	2.40	4	20000
24	600	2.70	5	25000
30	750	3.35	6	32000
36	900	3.84	7	38000
42	1050	4.21	8	45000

How to Order Capacity x Width of Belt x Length of Belt

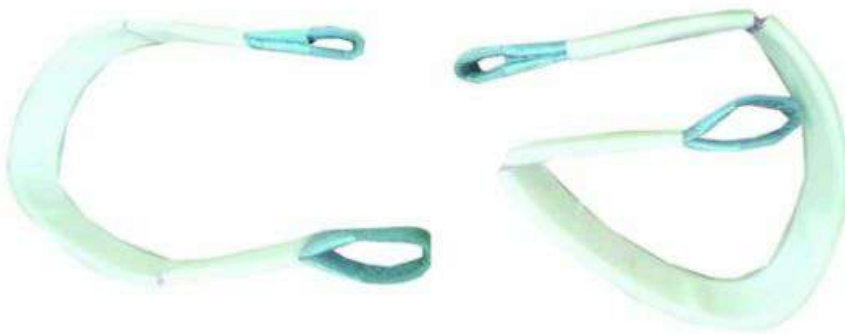
Anti - Abrasive Sleeve

Heavy Duty synthetic Anti Abrasive Sleeve enhances life of the sling as a guard against abrasion by rough surface



Anti - Cutting Sleeve

Polyurethane heavy duty Anti Cutting Sleeve enhances the life of the sling preventing damage to the job and sling from any pointed or major sharp edges.

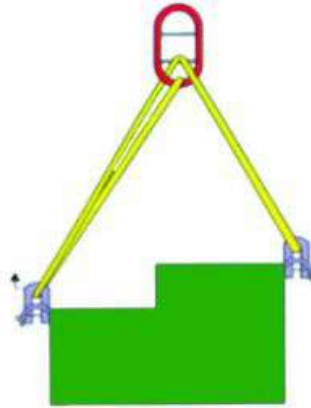
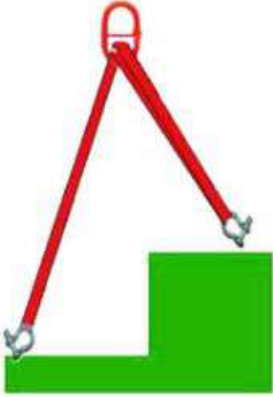


Self Contacting Belt



Adjustable Multileg Sling

Adjustable Multileg Sling is the ultimate solution towards lifting of uneven or awkward loads. The Special type rings self-adjusts center of gravity to find the lifting point. It facilitates lifts where there are multiple lifting points.



Higher Capacity Master Ring made of Polyester Round Sling



Glass Lifting Belt



Vertical Steel Plate Lifting Clamp



Art No.	Working Load Limit Ton	Steel Plate thickness mm
DSQ 1	1	0-16
DSQ 2	2	0-22
DSQ 3	3	5-30
DSQ 5	5	16-50
DSQ 8	8	40-80
DSQ 12	12	50-90
DSQ 16	16	60-100

Horizontal Steel Plate Lifting Clamp



Art No.	Working Load Limit Ton/per pair	Steel Plate thickness mm
DHQ2T	2	0-20
DHQ3T	3	0-30
DHQ5T	5	0-60
DHQ8T	8	0-80
DHQ10T	10	20-100

On request higher capacity & more thickness plate lifting arrangement can be manufactured

Horizontal Pipe Lifting Clamp



On request higher capacity & more thickness

Vertical Dram Lifting Clamp



Permanent Magnetic Lifter



Coil Lifting Clamp ("C" Clamp)



Slab Lifting Clamp



Special Lifting Trackels



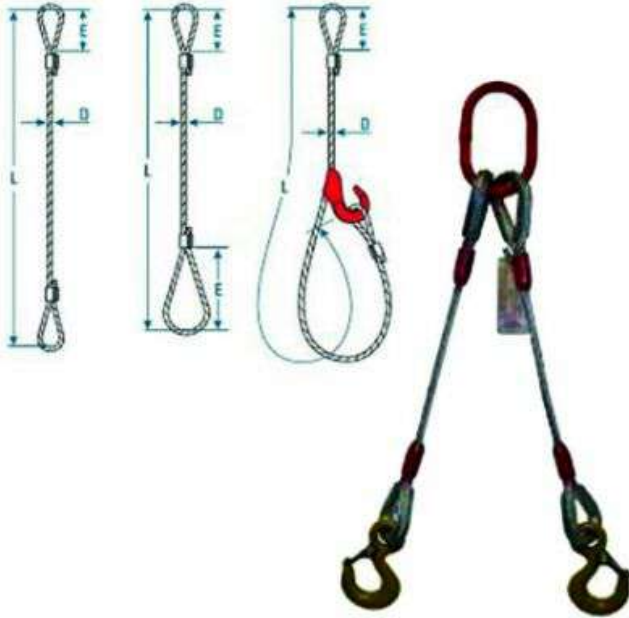
All Kind of Wire Rope Sling



All Kind of Chain Sling



All Kind of Wire Rope Sling



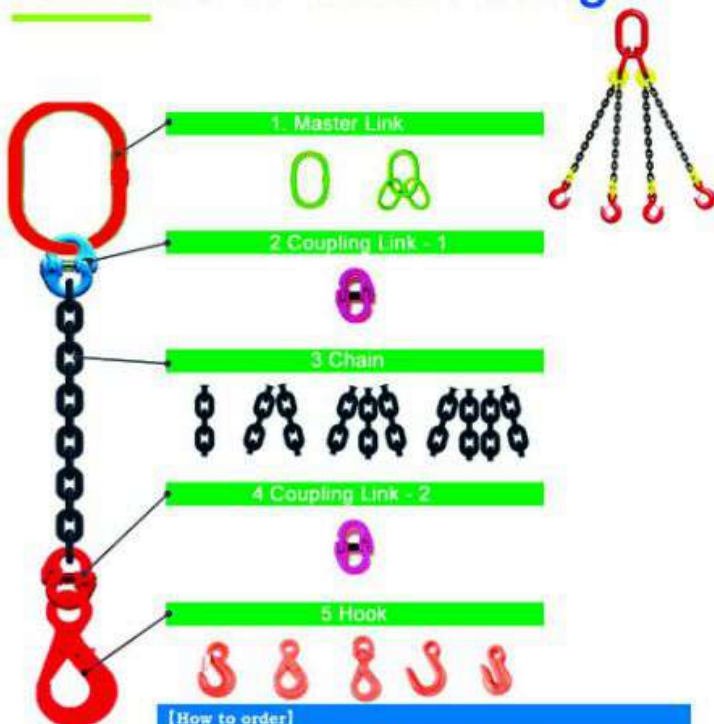
Max. Safe Working Load in Kg For Single Part Sling

Min. Rope Size	Vertical Lift	Basket Lift	Choker Lift
mm	kg	kg	kg
3	80	160	60
4	150	300	125
5	250	500	200
6	300	600	250
8	700	1400	500
10	1000	2000	700
12	1500	3000	1071
14	2000	4000	1428
16	2500	5000	1785
18	3000	6000	2142
20	3500	7000	2500
22	4000	8000	2857
24	5000	10000	3571
25	6000	12000	4285
28	7500	15000	5357
32	10000	20000	7142
36	12500	25000	8925
38	14000	28000	10000
40	15000	30000	10714
52	30000	60000	21428

How to Order

Capacity (Number of leg (1-4) leg method (straight/basket/choke lifting))
 Size (mm) Chain length or Total length (mm) Hook length (mm) Hook type Any other condition

All Kind of Chain Sling



[How to order]

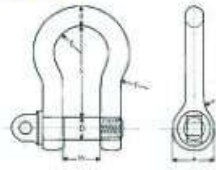
Capacity (t) Number of leg (1-4) leg Lifting method (straight / basket / choke lifting)
 Size (mm) Chain length or Total length (mm) Hook type Any other condition

Safe Working Loads for Single, Double, Three or Four Legged Sling

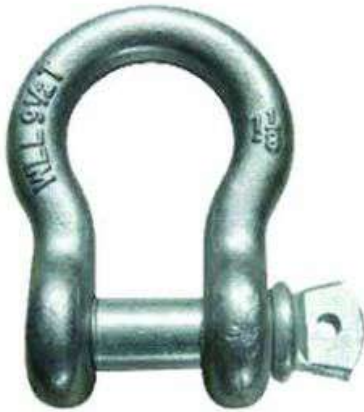
Size (mm)	Single Leg	Double Leg	Three Leg	Four Leg
6	1 T	2 T	3 T	4 T
8	2 T	4 T	6 T	8 T
10	3.0 T	6.0 T	9.0 T	12.0 T
12	5 T	10 T	15 T	20 T
14	6.3 T	12.6 T	18.9 T	25.2 T
16	8 T	16 T	24 T	32 T
18	10 T	20 T	30 T	40 T
20	12.5 T	25 T	37.5 T	50 T
22	16 T	32 T	48 T	64 T
25	20 T	40 T	60 T	80 T
28	25 T	50 T	75 T	100 T

D-Shackle & Bow - Shackle

Bow Shackle with Screw Pin



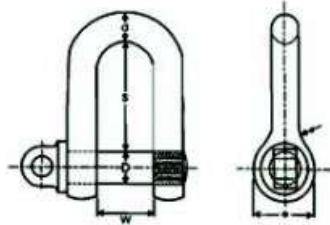
Bow Shackle Bolt Type



Jaw Inside Width	Inside Length	Body Material Diameter	Pin Diameter	Eye Outside Diameter	SWL
W	$2r=1.7W$	d	$D \text{ min}$	$e \text{ min}$	Grade 80
22	37	14	16	32	2.0
25	42	16	19	38	3.25
32	54	20	22	44	4.75
36	61	23	26	52	6.5
40	68	25	28	56	8.5
45	76	28	31	62	9.5
50	85	32	35	70	12
56	95	36	39	78	13.5
63	105	40	44	88	17
70	120	45	50	100	25
80	135	50	55	110	35
100	170	63	69	138	55



Dee Shackle Screw Pin Type



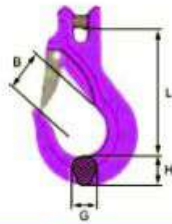
Dee Shackle Bolt & Nut Type



Jaw Inside Width	Inside Length	Body Material Diameter	Pin Diameter	Eye Outside Diameter	SWL (TON)
W	$S=2.2W$	d	$D \text{ min}$	$e \text{ min}$	Grade 80
22	49	14	16	32	2.0
25	55	16	19	38	3.25
32	70	19	22	44	4.75
36	79	22	26	52	6.5
40	88	24	28	56	8.5
45	99	27	31	62	9.5
50	110	30	35	70	12
56	124	34	39	78	13.5
63	139	38	44	88	17
70	154	43	50	100	25
80	176	48	55	110	35
100	220	60	69	138	55

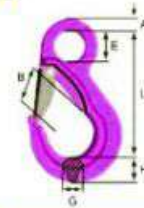


Clevis Hook



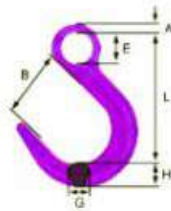
WLL (t)	Chain D (mm)	Dimension (mm)				Weight (kg)
		L	B	G	H	
1.1	6	86	24.5	17	20	0.4
2.0	8	95	28	17	23	0.5
3.2	10	121	35	23	30	1.0
5.2	13	145	42	28	38	2.0
8.0	16	170	52	36	46	3.8
12.8	20	209	61	42	59	7.6

Oval EyeHook



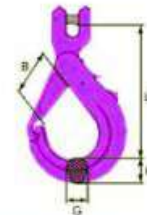
WLL (t)	Chain D (mm)	Dimension (mm)						Weight (kg)
		L	B	E	A	G	H	
1.2	6	93	22	23	10	17	20	0.4
2.0	8	109	26	28	13	17	23	0.6
3.2	10	134	36	34	15	23	30	1.0
5.3	13	166	42	44	19	28	38	2.1
8.0	16	203	52	56	25.5	36	47	4.0
10.0	20	229	61	61	26	42	59	6.4
16.0	22	267	74	64	32	47	67	8.9
22.0	26	301	82	66	32	55	75	13.1
25.0	32	333	93	76	38	61	80	19.4

Foundry Hook



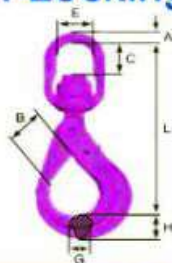
WLL (t)	Chain D (mm)	Dimension (mm)						Weight (kg)
		L	B	E	A	G	H	
2.0	8	124	63	28	11	21	26	0.8
3.2	10	151	76	34	14	26	29	1.4
5.3	13	184	90	44	18	33	39	2.8
8.0	16	218	102	56	22	40	46	4.9
10.0	20	247	114	60	29	46	60	7.1
17.0	26	300	113	66	38	64	73	16.4
25.0	32	384	145	80	48	77	93	35.0

Self locking Hook



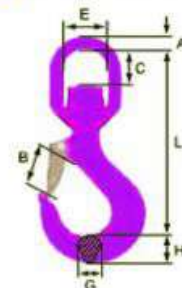
WLL (t)	Chain D (mm)	Dimension (mm)				Weight (kg)
		L	B	G	H	
1.1	6	87	26	15	17	0.4
2.0	8	119	37	20	22	0.8
3.2	10	149	47	22	29	1.3
5.2	13	172	53	29	38	2.7
8.0	16	219	62	37	48	5.5

Swivel Type Self Locking Hook



WLL (t)	Chain D (mm)	Dimension (mm)							Weight (kg)
		L	B	C	E	A	G	H	
1.2	6	149	29	23	33	11	15	21	0.7
2.0	8	183	37	27	38	12	17	25	1.2
3.2	10	218	45	35	44	15	21	30	2.0
5.3	13	280	55	45	48	19	30	39	4.0
8.0	16	339	62	61	61	23	37	48	7.2
10.0	20	367	68	60	72	31	46	63	11.3
12.0	22	436	79	80	80	35	50	62	16.8
17.0	26	486	100	110	102	45	54	68	26.4

Swivel Type Eye Hook

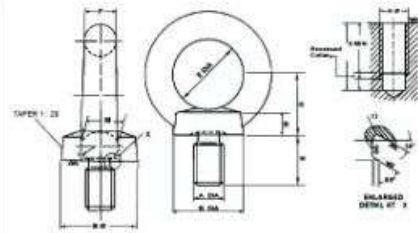


WLL (t)	Chain D (mm)	Dimension (mm)						Weight (kg)	
		L	B	C	E	A	G		H
2.0	8	154	28	28	38	12	18	23	0.9
3.2	10	191	35	35	44	15	23	30	1.6
4.2	13	234	40	43	48	19	28	35	3.1
8.0	16	293	53	62	61	25	34	43	5.5

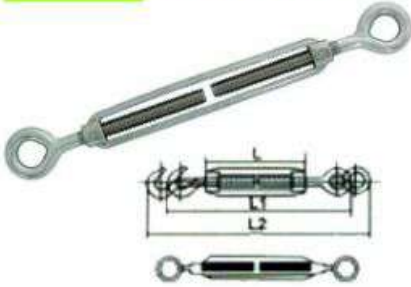
Forged Eye Bolt



S.W.L ATOP Kg	Size Dia A	Coarse Pitch	B	D	E	F	G	H	M	Approx weight Kg
85	8	1.25	20	6	20	8	18	12	10	0.66
150	10	1.50	25	8	25	10	22	16	12	0.11
220	12	1.75	30	10	30	12	26	22	14	0.18
380	16	2.00	35	12	35	14	30	28	16	0.28
570	20	2.50	40	14	40	16	35	30	18	0.44
810	22	3.00	45	16	45	18	38	35	21	0.55
1,050	24	3.50	50	18	50	20	45	38	24	0.74
1,700	30	4.00	65	22	60	24	55	45	28	1.66
2,500	36	4.50	75	26	70	28	65	55	32	2.7
3,400	42	5.00	85	30	80	32	75	65	38	4.0
5,200	48	5.50	100	35	90	36	70	70	45	6.4
6,500	56		110	38	100	42	80	80	50	8.8
8,700	64		120	42	110	46	90	90	58	
13,000	72		150	50	140	60	105	105	72	
17,000	80		170	55	160	68	120	120	80	
20,000	100		190	60	180	75	130	130	88	



Turn Buckle



W.L.L	Rope Dia (mm)	THREAD DIA	L	L1	L2
1000	6.4	M6	100	164	242
2000	8.0	M8	125	199	291
3000	9.5	M10	150	246	358
4300	11.5	M12	200	314	456
8000	15.0	M16	250	386	582
13000	19.0	M20	300	470	690
17000	21.5	M22	350	540	806
19000	22.5	M24	400	610	922
24000	28.0	M27	450	680	1030
30000	31.0	M30	450	700	1050
38000	34.0	M33	500	770	1158
45000	37.0	M36	550	840	1270

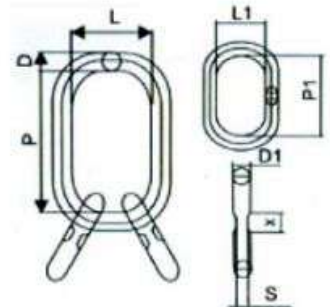


W.L.L	ROPE DIA(mm)	THREAD DIA	L	L1	L2
700	2.2	M6	100	180	258
1000	3.3	M8	125	225	317
2300	4.5	M10	150	266	378
3200	5.5	M12	200	334	476
6300	8.5	M16	250	442	638
9800	9.5	M20	300	520	740

Oblong Master Ring with Assembly



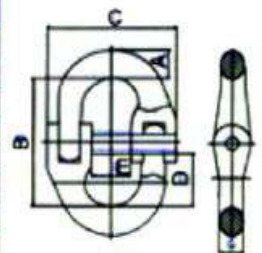
Chain	D	P	L	D1	P1	L1	SxX	Weight	WLL
6	19	135	75	13	60	38	8x25	1.315	2360
7	19	135	75	13	60	38	8x25	1.315	3150
8	23	160	90	16	70	34	8x25	2.32	4250
10	27	180	100	18	85	40	11.5x35	3.52	6700
13	33	200	110	23	115	50	14x35	6.26	11200
16	36	260	140	27	140	65	18x46	9.56	17000
18	45	340	180	33	150	70	-----	18.92	21000
20	50	350	190	33	150	70	-----	22.65	26500
22	50	350	190	36	170	75	-----	25.19	31000
26	60	400	200	40	170	80	-----	36.01	45000
32	70	460	250	50	200	100	-----	64.4	67000



Connecting Link

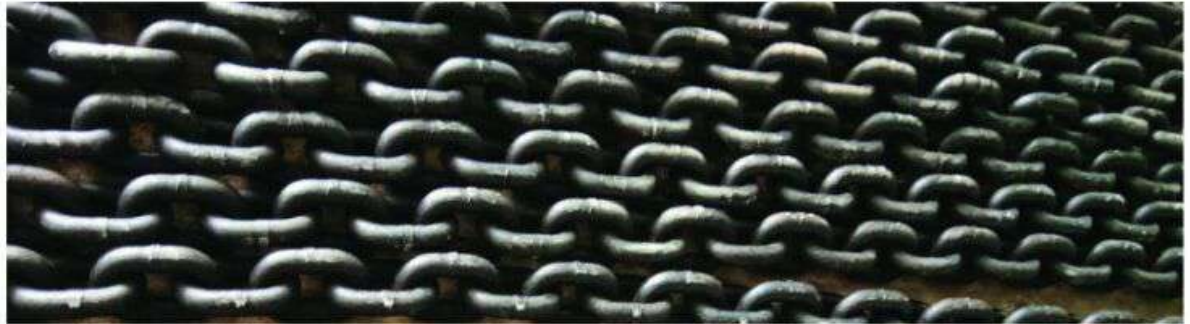


Size		Self weight(kg)	WLL(T)	Dimensions					
In	mm			A	B	C	D	E	F
9/32(4/1)	7	0.13	1.5	8.4	47.8	47	19.8	16	142
5/16	8	0.15	2	9.15	55.4	50	23.1	16.8	16
3/8	10	0.34	3.15	11.4	64.3	63.5	26.2	21.6	19.1
1/2	13	0.75	5.3	16.3	87.4	81.8	36.6	27.7	23.9
5/8	16	1.3	8	19.1	105	96	43.9	35.1	28.7
3/4	20	2.26	11.2	23.6	126	118	53.1	40.4	32.5
7/8	22	3.41	15	26.9	140	143	58.7	50	36.6
1	25	5	21.2	31	152	157	63.5	56.4	47.8
1-1/4	32	9.25	31.5	38.1	189	194	78.5	64.3	55.6



How to Order : as per Standard Size

OTHER PRODUCTS



EYE NUT



SWIVEL EYE BOLT



CHAIN PULLEY BLOCK



CAM BUCKLE



CAM BUCKLE



CHAIN SHORTEJER HOOK

