

MATERIAL HANDLING

CHAIN PULLY, SPROCKETS, HOOKS, WIRE ROPES, WIRE SLINGS



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SUMMARY

Zeal India Tools & Equipments, a pioneer manufacturer and exporter of Samson Brand Material Handling & Lifting Products. Our Key persons vast experience in the field of material handling and lifting for more than two decades is the vital strength of organization which solved many problems in the field of lifting



INTRODUCTION

THE COMPANY

Zeal India Tools & Equipment's, a pioneer manufacturer and exporter of Samson Brand Material Handling & Lifting Products. Our key persons vast experience in the field of material handling and lifting for more than two decades is the vital strength of organization which solved many problems in the field of lifting

MANUFACTURING

We have most modern state of art Process, Manufacturing, Testing Equipment's & Tools. Most Experienced Technical Staff Engineers our product to excellent level to perform at it best. SAMSON products thus, being considered the standard of the Industry in India.

QUALITY

Latest Technology, Manufacturing excellence, customer service, Risk Management and comprehensive product range all voucher for when you buy SAMSON products, you buy more than products.





BUSINESS PRIORITIES

- Increase customer satisfaction by 2%
- Maintain growth



ADDED PRIORITIES

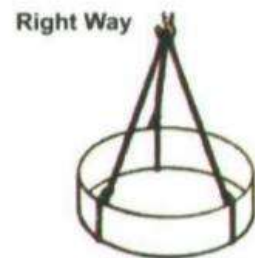
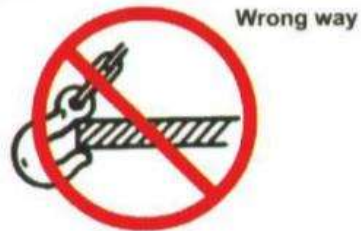
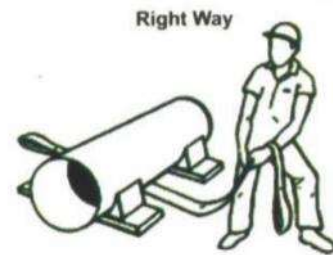
- Improve social media presence
- Ensure the cost of development stays below budget

THE PRODUCTS

We have Comprehensive product range for material handling system, conforming to Indian and International Standards.

- ✚ Polyester Flat Webbing Sling (Duplex/Triplex/Quadruplex)
- ✚ Polyester Round Endless Sling
- ✚ Polyester Multileg Sling with Polyester/Forged Steel 'O' Ring & Forged Steel Hook & D-Shack at Bottom.
- ✚ Zola Type and Other Non-Standard Sling, as per Customer requirement.
- ✚ Ratchet Lashing/Cargo Lashing
- ✚ Steel Galvanized/Non-Galvanized Wire Rope, Wire Rope Sling and Multi Leg Sling.
- ✚ Chain Pulley Block/ Rope Hoist.
- ✚ D-Shackles, Hooks, Clamps etc.
- ✚ Steel Chain Sling & Chain Link Multileg Sling

SAFETY IN HANDLING





POLYSTER FLAT WEBBING SLING

Polyester webbing Sling with Reinforced Eyes at both sides are manufactured as per BS 3481 Part 1 and Part 2 1983. The Safety Factor is 7:1.



HIGH STRENGTH

LOW STRETCH

COLOR CODED

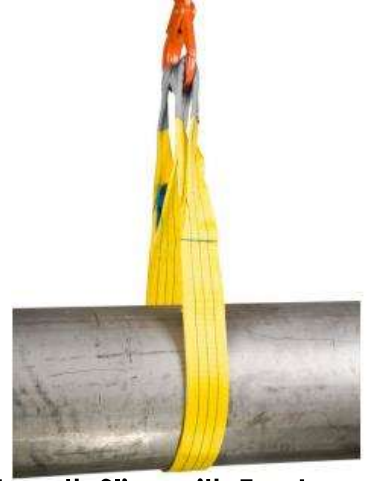
HARD WEARING

ACID RESISTANT



The Normal Polyester Sling is Manufactured by 100% Polyester Yarn only, which is non conductive against flowing of any type of electricity. But we have manufactured special coated Polyester Anti-Static Sling which having a conductivity Property of any type of electricity. Normal Sling does not have current carrying Properties. This is our Special Products. Normally Slings is used in very Sensitive areas like Missiles Handling, Satellite Handling, etc. All Capacities are available on request.

HOW TO ORDER.



Endless Flat Sling :

- Vertical Capacity in Ton X Circumferential Length in Meters/effective Length Sling with Eye Loops (Webbing) =
- Vertical Capacity in Ton X Effective Length (Loop to Loop) in Meters =

Code	Vertical Straight lift	Colour	Width	Approx thick (mm)	Choker	Basket	Basket 45°	Basket 90°	Remarks
GW 01	1,000 kg	VIOLET	25	7	800 kg	2000 kg	1800 kg	1400 kg	Double Ply
GW 02	2,000 kg	GREEN	50	7	1600 kg	4000 kg	3600 kg	2800 kg	Double Ply
GW 03	3,000 kg	YELLOW	75	7	2400 kg	6000 kg	5400 kg	4200 kg	Double Ply
GW 04	4,000 kg	GREY	100	7	3200 kg	8000 kg	7200 kg	5600 kg	Double Ply
GW 05	5,000 kg	RED	125	7	4000 kg	10000 kg	9000 kg	7000 kg	Double Ply
GW 06	6,000 kg	BROWN	150	7	4800 kg	12000 kg	10800 kg	8400 kg	Double Ply
GW 08	8,000 kg	BLUE	200	7	6400 kg	16000 kg	14400 kg	11200 kg	Double Ply
GW 10	10,000 kg	ORANGE	250	7	8000 kg	20000 kg	18000 kg	14000 kg	Double Ply
GW 12	12,000 kg	ORANGE	300	7	9600 kg	24000 kg	21600 kg	16800 kg	Double Ply
GW 15	15,000 kg	ORANGE	250	10.5	12000 kg	30000 kg	27000 kg	21000 kg	3 Ply
GW 16	16,000 kg	ORANGE	200	14	12800 kg	32000 kg	28800 kg	22400 kg	4 Ply
GW 18	18,000 kg	ORANGE	300	10.5	14400 kg	36000 kg	32400 kg	25200 kg	3 Ply
GW 20	20,000 kg	ORANGE	250	14	16000 kg	40000 kg	36000 kg	28000 kg	4 Ply
GW 24	24,000 kg	ORANGE	300	14	19200 kg	48000 kg	43200 kg	33600 kg	4 Ply

This professional webbing sling is extremely suitable for intensive industrial use.

Properties

- Duplex hoisting belt; double strap layers.
- Extra strong, water- and dirt-repellent, impregnated fabric guarantees a longer life.
- WLL stripes, each stripe is 1 ton (up to 10 tons).
- Every 30 mm band width is 1 ton load capacity.

POLYESTER ROUND SLING

Polyester Round Sling is Superior Quality, conforming to BS 6668 PART 2, 1987 Material Construction of Sling is 100% Polyester Yarn Hank Wound Continuously Together in the form of the Endless Sling. The Safety Factor is 7:1.

It is Double Sleeve Type. The Yarn Hank Provides the Better protection and longer Services life with greater resistance to wear and damage, using suitable outer sleeve on the Polyester yarn hank

- Color coded according to EN 1492-2 & AS 4497
- Capacity stripes; each stripe is equal to 1 ton capacity.
- The safe working load is clearly and continuously printed on the sleeve.
- Extra strong PU-impregnated webbing of the sleeve, which does not allow dirt to enter.
- Each sling is packed in plastic with CE declaration of conformity or Test Certificate.
- Black round slings are also available in 2t capacity.



HOW TO ORDER.

Endless Flat Sling :

- Vertical Lifting Capacity in Ton X Circumferential Length in meter.
- Vertical Lifting Capacity in Ton X Effective Length (Half of Circumferential Length)



Code	Colour	Working Load Limit (Kg)	Approx thickness (mm)	Approx Width (mm)	Choker 80%	Basket 200%	Basket 140%	Basket 100%
GR 01	VIOLET	1000	6	40	800	2000	1400	1000
GR 02	GREEN	2000	7	50	1600	4000	2800	2000
GR 03	YELLOW	3000	8	60	2400	6000	4200	3000
GR 04	GREY	4000	9	70	3200	8000	5600	4000
GR 05	RED	5000	11	75	4000	10000	7000	5000
GR 06	BROWN	6000	12	80	4800	12000	8400	6000
GR 08	BLUE	8000	13	90	6400	16000	11200	8000
GR 10	ORANGE	10000	15	100	8000	20000	14000	10000
GR 12	ORANGE	12000	16	110	9600	24000	16800	12000
GR 15	ORANGE	15000	18	125	12000	30000	21000	15000
GR 20	ORANGE	20000	20	150	16000	40000	28000	20000
GR 30	ORANGE	30000	32	200	24000	60000	42000	30000
GR 50	ORANGE	50000	45	220	40000	100000	70000	50000
GR 80	ORANGE	80000	70	260	64000	160000	112000	80000
GR 100	ORANGE	100000	80	290	80000	200000	140000	100000

This professional webbing sling is extremely suitable for intensive industrial use.

Properties

- Simplex design.
- WLL stripes, each stripe is 1 ton (up to 10 tons).
- 1t load capacity for each 30 mm webbing width.
- Available up to 10 Ton.

POLYSTER MULTILEG SLING

For general purpose overhead lifting using bridle hitch arrangement

with quadruple pick points - Hoisting point is directly over the center

of gravity of the load, the load is raised while level

Intended for crane applications, lifting, rigging, and material handling uses.

Bridle wire rope lifting sling with (4) four single part rope legs. Flemish loops with thimbles are formed at each leg end by mechanical splicing. Assembly incorporates an oblong master link, and leg-end standard latched sling hooks. The bridle hitch provides excellent load stability when the load is distributed equally among the wire rope legs. Quadruple leg assembly has ready-made end attachments for lift applications. Elongated master link attachment allows additional clearance at the hoisting connection.



DO NOT EXCEED WORK LOAD LIMITS

Sling failure can cause death or injury.

Failure may result from sling damage,
misuse and excessive wear.

Inspect before use.

Follow industry standards & regulations.



MULTI LEG SLING

Properties

- End fittings Grade 10.
- Round sling coupling (WCL) for the safe and smooth connection of round slings with end fittings.
- Identification label.
- Length round sling is 1 meter

Option

- Extra length round sling and protective cover on request.

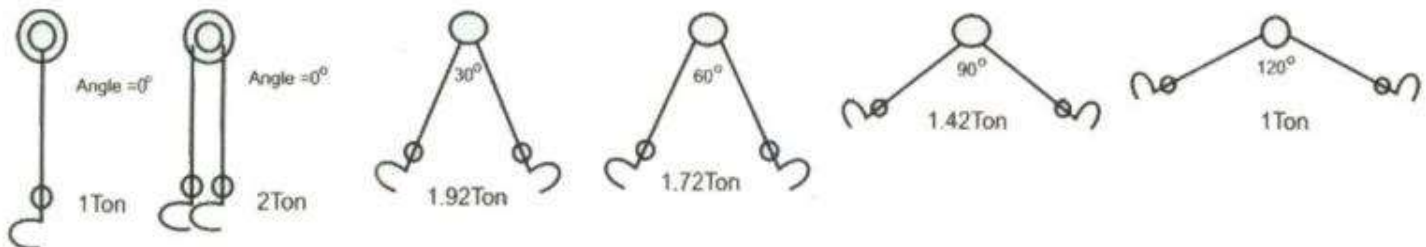
Norm:

- EN1492-2, EN1677, PAS106



Sling with Polyester/Forged ring at top & Forged Steel D-Shackle & Hook at Bottom.

Safe Working Load at Various angles:



PARALLEL LANE ROUND SLING

Two Individuals Round Slings are Enclosed in high abrasion Resistant cover, This Kind of Sling ensures additional safety in the Case of damage of Sling Partly, other part will take the Load. Therefore, Parallel Lane Sling calls for Double Safety.

REPAIR:

OUTER COVER can be replaced by the New Cover .

OVERLOAD INDICATOR:

If Load is more than SWL it indicates overload

OPTICAL FIBER:

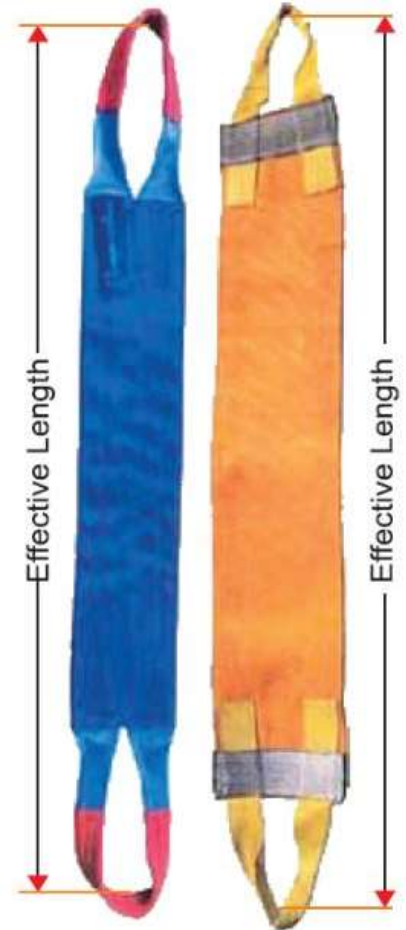
Optic fiber Cable is used to check the Damage in Yarn.



Code	Colour	Working Load Limit (Kg)	Approx thick (mm)	Approx Width (mm)	 Choker 80%	 Basket 200%	Basket 140%	Basket 100%
GPL 01	VIOLET	1,000	6	40	800	2000	1400	1000
GPL 02	GREEN	2,000	7	50	1600	4000	2800	2000
GPL 03	YELLOW	3,000	8	60	2400	6000	4200	3000
GPL 04	GREY	4,000	9	70	3200	8000	5600	4000
GPL 05	RED	5,000	11	75	4000	10000	7000	5000
GPL 06	BROWN	6,000	12	80	4800	12000	8400	6000
GPL 08	BLUE	8,000	13	90	6400	16000	11200	8000
GPL 10	ORANGE	10,000	15	100	8000	20000	14000	10000
GPL 12	ORANGE	12,000	16	110	9600	24000	16800	12000
GPL 15	ORANGE	15,000	18	125	12000	30000	21000	15000
GPL 20	ORANGE	20,000	20	150	16000	40000	28000	20000
GPL 30	ORANGE	30,000	32	200	24000	60000	42000	30000
GPL 50	ORANGE	50,000	45	220	40000	100000	70000	50000
GPL 80	ORANGE	80,000	70	260	64000	160000	112000	80000
GPL 100	ORANGE	1,00,000	80	290	80000	200000	140000	100000

SPECIAL PURPOSE SLING (ZOLA TYPE)

We also provide Special type of Sling for special application where diameter of round shaped objects are very large in size, range up to 1200 mm wide flat belts are available with us.



LOWERING BELTS

For using the Pipeline Projects



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

RATCHET LASHING/CARGO LASHING.

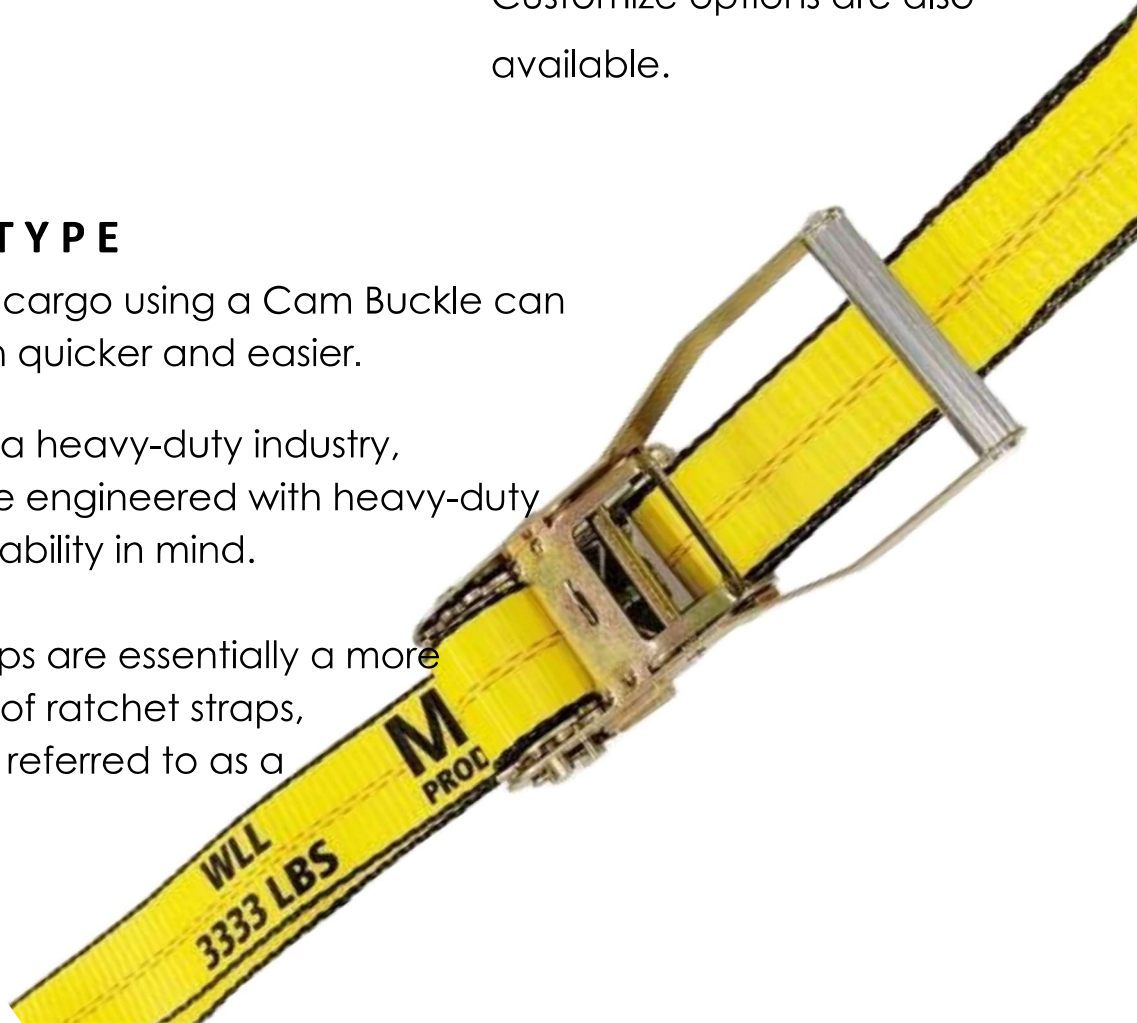


ENDLESS TYPE

- Comprises of a Ratchet (tensioning device) which is attached to the webbing.
- Used for holding & unitizing purpose.
- Advantage: Reusable system, Cost saving.
- The system is available in widths of 25mm, 50mm & 75mm, Customize options are also available.

CAM BUCKLE TYPE

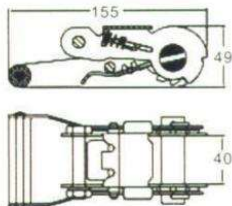
- Tying down your cargo using a Cam Buckle can prove to be both quicker and easier.
- Since this is such a heavy-duty industry, these buckles are engineered with heavy-duty strength and durability in mind.
- Cam buckle straps are essentially a more lightweight form of ratchet straps, more commonly referred to as a tie down strap.



RATCHET LASHING/CARGO LASHING

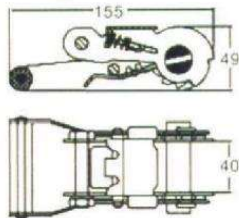
Art No.	Breaking Load Kg.	Width mm	A mm	B mm	C mm	D mm	N.W. Kg.
R1-01	1000	25	27	130	53	58	0.35
R1-02	3000	35	45	175	75	84	0.75
R1-03	5000	50	53	230	90	101	1.10
R1-04	10000	75	78	300	148	154	3.10
R1-05	12000	100	150	480	258	285	3.65

R1 - 01



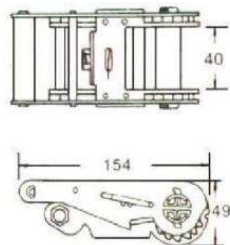
B/S : 1000 KG/4400 LBS

R1 - 02



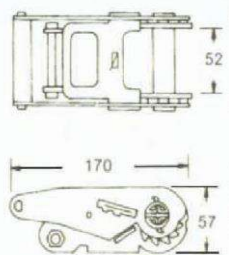
B/S : 3000 KG/6600 LBS

R1 - 03



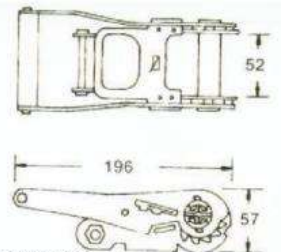
B/S : 3000 KG/6600 LBS

R1 - 04



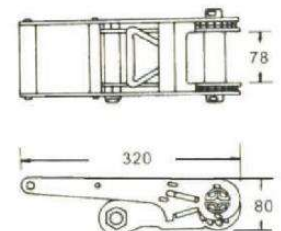
B/S : 5000 KG/11000 LBS

R1 - 05



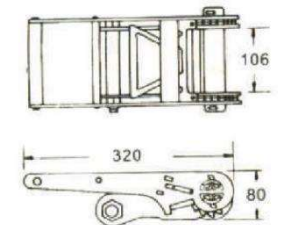
B/S : 6000 KG/11000 LBS

R1 - 06



B/S : 10000 KG/22000 LBS

R1 - 07



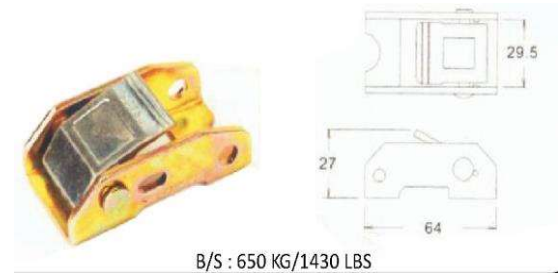
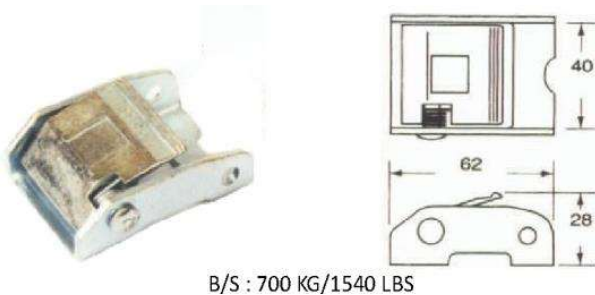
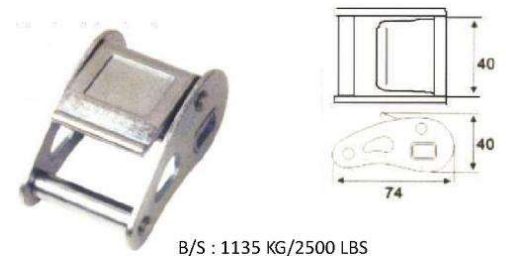
B/S : 12000 KG/22000 LBS

Ratchet Tensioner Machine

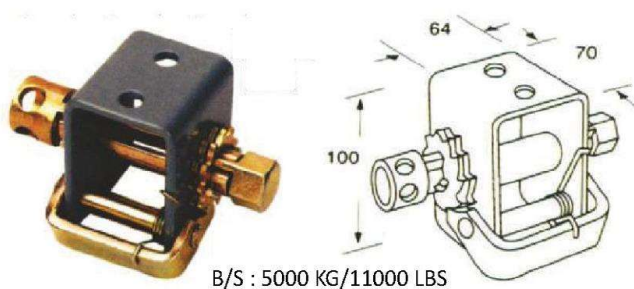


RATCHET LASHING/CARGO LASHING BUCKLE SERIES/WINCH SERIES/HOOK SERIES

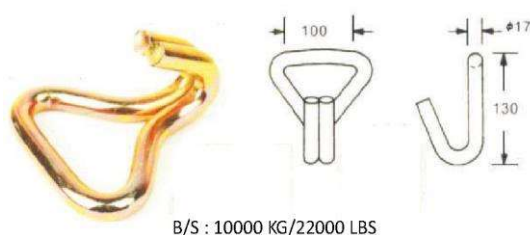
• CAM BUCKLE SERIES -



• WINCH SERIES -



• HOOK SERIES -



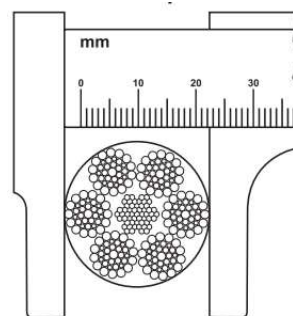
STEEL WIRE ROPES SLINGS.

Compacted wire rope is composed of several wire strands which have gone through crimping wheels to compress and shape the individual form compacted structures or reduce diameters before laying strands around the Taking advantage of the compacting process, the surface of outer wires is flattened. contact area between strands is increased.

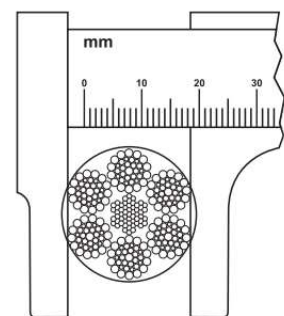
FEATURE:

- Increased wear resistance of wires.
- Smoother bearing surface than traditional wire ropes.
- Increased tensile strength and lateral compression strength.
- Increase metal cross sectional area.
- Decreased blocks groove wearing.
- Decreased construction stretch.
- Less contact pressure onto the sheaves and drums.
- Better fatigue life and low deformation.
- Capable to withstand high load and sock load.
- Easy to handle.

How to Measure wire Rope is shown below.



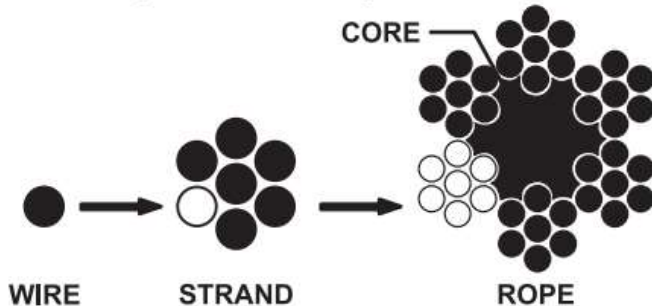
CORRECT METHOD



INCORRECT METHOD

WIRE ROPE & STRAND CHARACTERISTICS

The main components of wire rope are shown below.

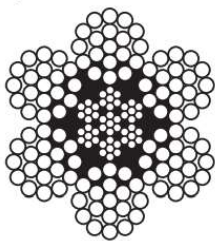
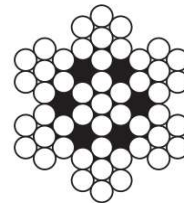


In given example, each individual wire is arranged around a central wire to form a 7-wire strand. Six of these strands are formed around a central core to make a wire rope. The rope is specified at 6 x 7 (6/1) i.e., six strands of seven wires. The actual range of wire rope Constructions is wide and varied but the number could be limited to approximately twenty-five. The size and number of wires in each strand, as well as the size and number of strands in the rope greatly affect the characteristics of the rope. In general, a large number of small-size wires and strands produce a flexible rope with good resistance to bending fatigue. The rope Construction is also important for tensile load (static, live or shock) abrasive wear, crushing, corrosion and rotation.

CORES

A number of core types is available and each gives specified properties to the rope:

1. Wire Strand Core (WSC) - Strand usually of the same Construction as the outer strands.
2. Fibre Core (FC) - Sisal or polypropylene.
3. Wire Rope Core (WRC) - a wire rope usually of 6 x 7 (6/1)/1 x 7 (6/a) Construction.



WIRE STRAND CORE (WSC)

These cores are chiefly for standing ropes (guys or rigging), and offer high tensile strength and, owing to the larger wires in the core, greater resistance to corrosion

WIRE STRAND CORE (WSC)

Wire rope core is preferred for operating ropes in applications of high tensile stress, high compression loads on small drums and sheaves (such as on earthmoving equipment) and high operating temperatures (such as cranes handling large quantities of molten metal). A rope with WRC is approximately 11% heavier and 7.5% stronger.

LAY :

This refers to the way the wires in the strands, and the Strands in the rope are formed into the completed rope. The wire strands are essentially laid up in a planetary Motion with controlled twist being imparted to produce. A tightly formed rope.

The term Lay is used in three ways:

1.To describe the direction in which the strands are laid in The rope right or left.

In a Right-Hand Lay strands are laid around the rope core In a clockwise direction - see illustration. In a Left Hand Lay, The strands are laid anti-clockwise - see illustrations. Steel Wire Ropes are conventionally produced Right Hand Lay Unless special circumstances require Left Hand Lay.

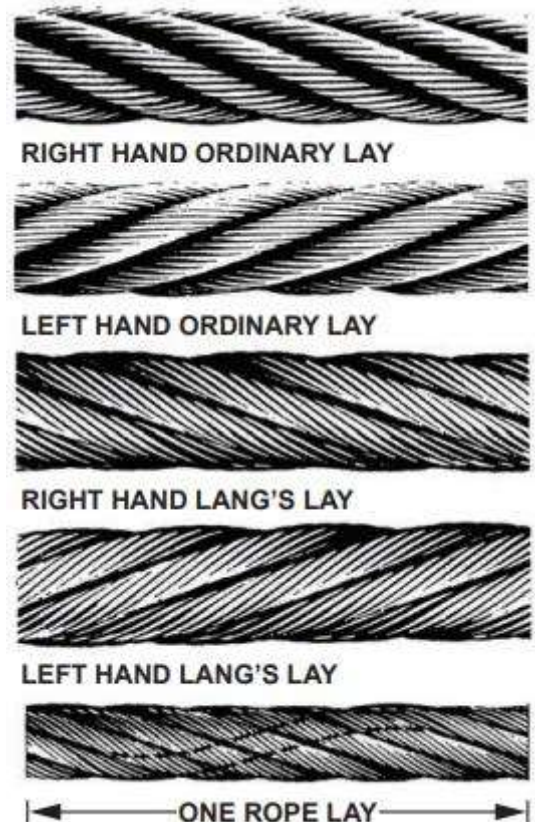
2.To describe the direction in which the wires are stranded in Relation to the direction of the strands in the completed rope, E.g., Ordinary Lay or Lang's Lay.

Ordinary Lay means the wires in a strand are laid in a Direction opposite to the direction in which the strands are Laid in the final rope.

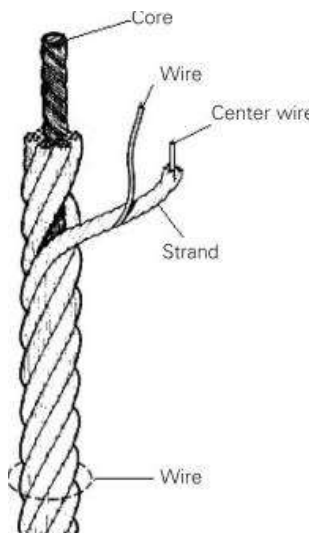
Lang's Lay means the wires in a strand are laid in the same Direction in which the strands are laid in the final rope.

Lang's Lay ropes have superior properties in resistance to Wear, abrasion, fatigue and scuffing. This is illustrated below, Where it can be seen that wear on an outer wire is distributed Over a far greater area than in Ordinary Lay.

Characteristics of Lay



3.'Lay' is also a measure of the 'pitch' of a strand in a rope.



(a) Turnback eye with pressed aluminium alloy ferrule.	
(b) Flemish eye with pressed sleeve.	
(c) Hand-spliced eye.	
(d) Open swaged socket.	
(e) Closed swage socket.	
(f) Open poured socket.	
(g) Closed poured socket.	

6x 24 Construction: Unit of Measure – Meter

6X25 Construction: Unit of Measure - Meter

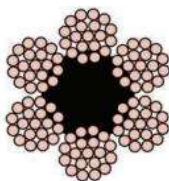


usha martin

ORDER CODE	Diameter (mm)	Grade	Finish	Core	Lay	Min Breaking Force (kN)	Approx. Mass (kg/100m)
110006	8	1570	Gal.	Fibre	RHOL	28.7	20.4
110032	9	1570	Gal.	Fibre	RHOL	36.4	25.8
110000	10	1570	Gal.	Fibre	RHOL	44.9	31.8
110115	11	1570	Gal.	Fibre	RHOL	54.3	38.5
140006	12	1570	Gal.	Fibre	RHOL	64.0	45.8
110013	13	1570	Gal.	Fibre	RHOL	75.9	53.8
110046	14	1570	Gal.	Fibre	RHOL	88.0	62.4
110016	16	1570	Gal.	Fibre	RHOL	115.0	81.5
110017	18	1570	Gal.	Fibre	RHOL	145.0	103
110058	20	1570	Gal.	Fibre	RHOL	180.0	127
110176	26	1570	Gal.	Fibre	RHOL	304.0	215
110196	32	1570	Gal.	Fibre	RHOL	460.0	326

Other sizes and configurations can be made to order.

6X19 Construction: Unit of Measure - Meter

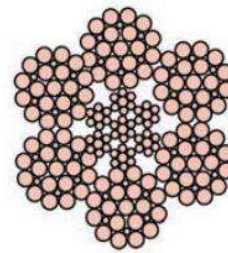


usha martin

Suitable for general engineering purposes, winch, pulling and marine applications.

ORDER CODE	Diameter (mm)	Grade	Finish	Core	Lay	Min Breaking Force (kN)	Approx. Mass (kg/100m)
110375	3.5	1570	Gal.	Fibre	RHOL	5.8	3.86
110376	4	1570	Gal.	Fibre	RHOL	7.7	5.8
110379	5	1570	Gal.	Fibre	RHOL	12.0	8.8
110371	6	1570	Gal.	Fibre	RHOL	17.6	12.4

For winch & pulling applications the diameter required depends on the sheave / winch drum ratio.
Other sizes and configurations can be made to order.



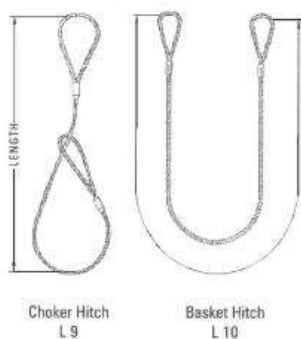
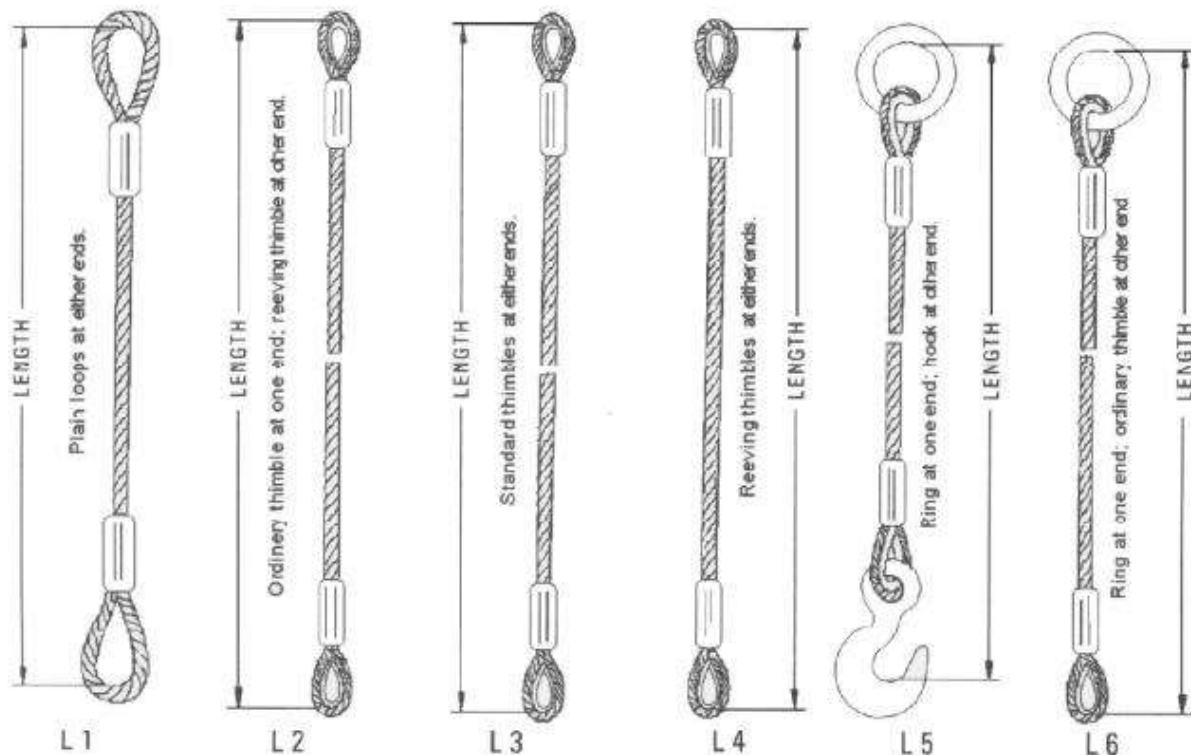
usha martin

Suitable for general engineering purposes.

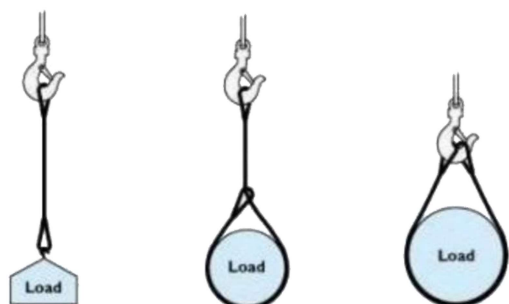
ORDER CODE	Diameter	Grade	Finish	Core	Lay	Min Breaking Force (kN)	Approx. Mass (kg/100m)
110028	8mm	1770	Black	Wire	RHOL	40.3	26.7
110104	9mm	1770	Black	Fibre	RHOL	47.3	29.1
110007	9mm	1770	Black	Wire	RHOL	51.0	33.4
110009	10mm	1770	Black	Wire	RHOL	63.0	41.8
110037	10mm	2070	Gal.	Wire	RHOL	73.5	41.8
140017	11mm	1770	Black	Wire	RHOL	76.2	50.6
110041	12mm	1770	Black	Wire	RHOL	90.7	60.2
110123	13mm	1770	Gal.	Wire	RHOL	106.0	70.7
110001	13mm	1770	Black	Wire	RHOL	106.0	70.7
110128	14mm	1770	Black	Wire	RHOL	124.0	82
110049	16mm	1770	Black	Wire	RHOL	161.0	107
110055	18mm	1770	Black	Wire	RHOL	204.0	135
110141	18mm	1770	Gal.	Wire	RHOL	204.0	135
140018	3/4"	EIPS	Gal.	Wire	RHOL	262.0	149
110151	20mm	1770	Black	Wire	RHOL	252.0	167
110064	22mm	1770	Black	Wire	RHLL	305.0	202
110063	22mm	1770	Black	Wire	RHOL	305.0	202
110068	7/8"	EIPS	Gal.	Wire	RHOL	354.0	206
110070	24mm	1770	Gal.	Wire	RHOL	363.0	241
140019	1"	EIPS	Gal.	Wire	RHOL	460.0	269
110177	26mm	1770	Black	Wire	RHOL	426.0	283
110077	28mm	1770	Black	Wire	RHOL	494.0	328
110191	1 1/8"	EIPS	Black	Wire	RHOL	578.0	337
110084	32mm	1770	Black	Wire	LHOL	645.0	428
110078	32mm	1770	Gal.	Wire	RHOL	645.0	428
110083	32mm	1770	Black	Wire	RHOL	645.0	428

Other sizes and configurations can be made to order.

WIRE ROPE



Hand Splicing Wire Rope Sling



Vertical

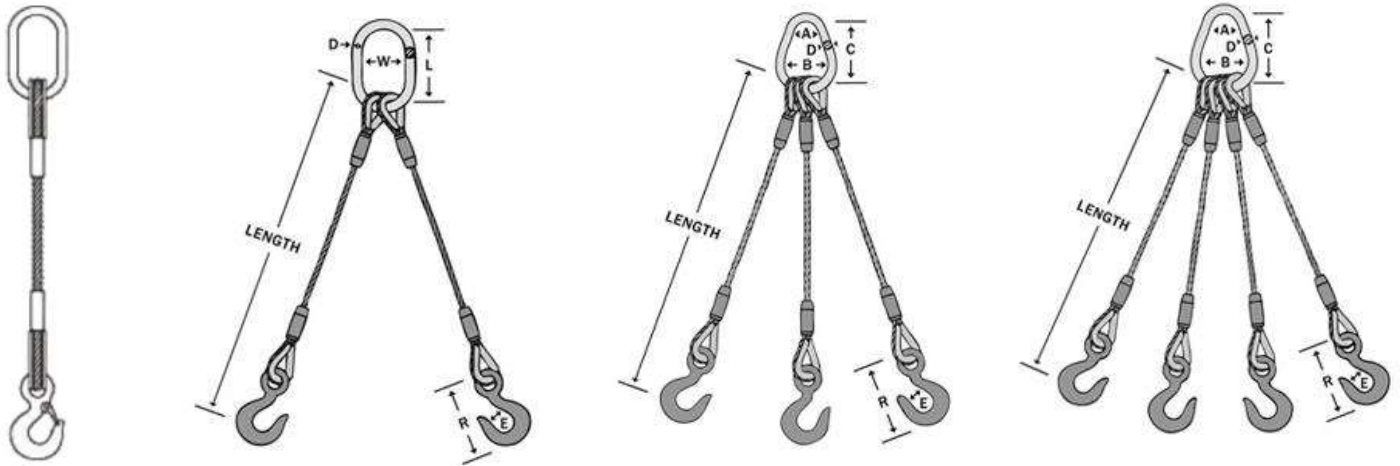
Choker

Basket

Max. Safe Working Load in kg for Single part Slings

Min. Rope size	Vertical Lift	Basket Lift	Choker Lift
mm	kg	kg	kg
3	70	140	50
4	130	260	100
5	200	400	150
6	250	500	190
8	550	1100	410
9	670	1340	500
10	800	1600	600
11	1000	2000	750
12	1200	2400	900
13	1400	2800	1050
14	1750	3500	1300
16	2000	4000	1500
18	2500	5000	1875
19	3000	6000	2250
20	3300	6600	2250
22	4000	8000	3000
24	4600	9200	3450
25	5000	10000	3750
29	6500	13000	4875
32	8000	16000	6000
35	9200	18400	6900
36	10400	20800	7800
38	12000	24000	9000
40	12700	25400	9525
44	16700	33400	12525
48	20000	40000	15000
52	23000	46000	17250

MULTIPLE LEG ROPE SLING SERIES



Permissible Working Load in Kg for Multiple Leg Rope Slings					
Rope	At 0			At 90	
Dia (mm)	Single Leg	Double Leg	Triple & Four Leg	Double Leg	Triple & Four Leg
3	70	140	210	98	147
4	130	260	390	162	275
5	200	400	600	280	420
6	250	500	750	350	525
8	550	1100	1650	770	1155
9	670	1340	2010	938	1407
10	800	1600	2400	1120	1680
11	1000	2000	3000	1400	2100
12	1200	2400	3600	1680	2520
13	1400	2800	4200	1960	2940
14	1750	3500	5250	2450	3675
16	2000	4000	6000	2800	4200
18	2500	5000	7500	3500	5250
19	3000	6000	9000	4200	6300
20	3400	6800	10200	4760	7140
22	4000	8000	12000	5600	8400
24	4600	9200	13800	6440	9660
25	5000	10000	15000	7000	10500
29	6500	13000	19500	9100	13650
32	8000	16000	24000	11200	16800
35	9200	18400	27600	12880	19320
36	10400	20800	31200	14560	21840
38	12000	24000	36000	16800	25200
40	12700	25400	38100	17780	26670
44	16700	33400	50100	23380	35070
48	20000	40000	60000	28000	42000
52	23000	46000	69000	32200	48300

Note: multipled legged wire rope sling can be provided with other and fittings. I.e., shackles, plate, clamps etc. As per our client requirement.



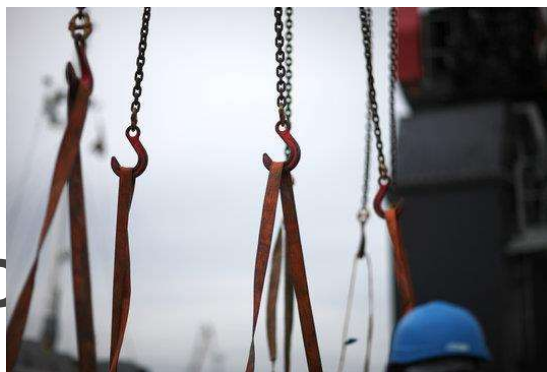
LOAD CHAIN & LASHING CHAIN SERIES

We are here to provide fast and local expert service for welded and mechanical Grade 80 and 100 alloy chain slings.

We have factory-trained specialists in manufacturing and repairing chain slings, using Usha Martin designed equipment.

We offer local delivery and a complete stock of chain products, so you don't wait for parts. Specially trained field personnel are available for service right at your facility.

Custom chain sling fabrications are also available for your particular needs.



HOW TO C

Product Code	Size = d		Inside Length = P			Inside width W1mm	Outside width W2mm	Length per 11 links			Weight per kg/mtr
	mm	± mm	mm	+mm	-mm			mm	+mm	-mm	
H 01	2	0.2	12	0.2	0.2	3.5	7.5	132	1.0	0.5	0.5
H 02	3	0.2	16	0.2	0.2	4.2	11	176	1.4	0.7	0.7
H 03	4	0.2	16	0.3	0.2	5	13.7	176	2.1	1.1	1.1
H 04	5	0.2	18.5	0.4	0.2	6	17	203.5	2.4	1.2	1.2
H 05	6	0.2	18.5	0.4	0.2	7.2	20.2	203.5	2.4	1.2	1.2
H 06	7	0.3	22	0.4	0.2	8.4	23.8	242	3.0	1.4	1.4
H 07	8	0.3	24	0.4	0.2	9.6	27.2	264	3.2	1.5	1.5
H 08	9	0.4	27	0.5	0.3	10.8	30.6	297	3.6	1.8	1.8
H 09	10	0.4	28	0.5	0.3	12	34	308	3.7	1.9	1.9
H 10	11	0.4	31	0.5	0.3	13.2	37.4	341	4.0	2.0	2.0
H 11	12	0.3	36	0.6	0.3	14.4	40.8	396	4.4	2.2	2.2
H 12	13	0.5	36	0.6	0.3	15.6	44.2	396	4.6	2.4	2.4
H 13	14	0.6	41	0.7	0.4	16.8	47.6	451	5.4	2.7	2.7
H 14	16	0.6	45	0.8	0.4	19.2	54.4	495	6.0	3.0	3.0
H 15	18	0.9	50	0.8	0.4	21.6	61.2	550	6.6	3.3	3.3
H 16	19	0.4	53	0.9	0.4	22.8	64.6	583	7.0	3.7	3.7
H 17	20	1.0	56	1.0	0.5	24.0	68.0	616	7.4	3.7	3.7
H 18	22	1.2	62	1.1	0.5	26.4	75.0	682	8.0	4.0	4.0
H 19	23	1.2	64	1.1	0.5	27.6	78.2	704	8.4	4.2	4.2
H 20	26	1.3	73	1.2	0.6	31.2	88.4	803	9.6	4.8	4.8
H 21	28	1.4	78	1.3	0.65	33.8	95.2	858	10.2	5.1	5.1
H 22	30	1.5	84	1.4	0.7	41.0	102	924	11.0	5.5	5.5
H 23	32	1.6	90	1.5	0.75	43.0	108.8	990	11.8	5.9	5.9



G100



G80



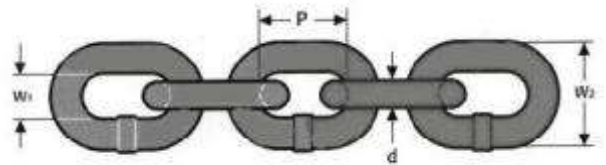
G70



G43



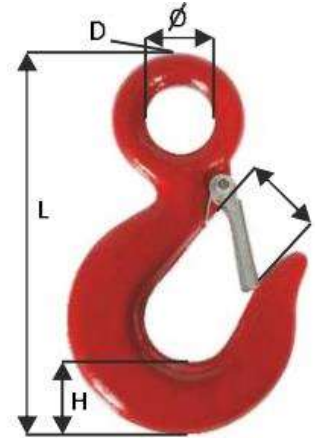
G30



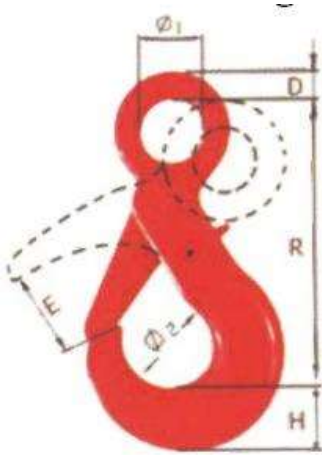
HOOK SERIES

EYE HOIST HOOK

Item No.	Weight/KG	WLL/T	B.L/T	Q mm	Emm	Hmm	Dmm	Lmm
0.75T	0.18	0.75	3	16.00	19	17	9	97
1T	0.27	1	4	19.05	22	19	9	110
1.5T	0.35	1.5	6	23.11	23	21	10.5	125
2T	0.65	2	8	28.45	24	26	12.5	140.5
3T	0.86	3	12	31.75	27.5	28	14.5	162
4.5T	1.75	4.5	18	39.62	33	37	18	201
7T	3.5	7	28	50.8	40	46.5	23	256
11T	6.3	11	44	61.98	51	57	28	317
15T	8.3	15	60	72.14	69	67	32.5	350
22T	16	22	88	87	86	78	40.3	433.3
30T	30	30	120	90	98	99	46	494.5



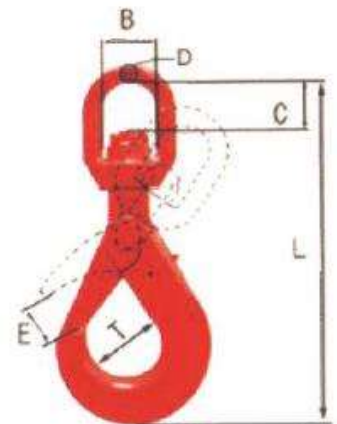
EYE SELF LOCKING HOOK



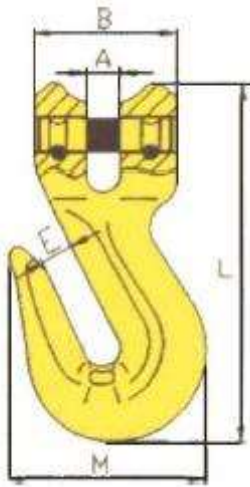
Item No.	Weight/KG	WLL/T	B.L/T	Q1 mm	Rmm	Dmm	Q2mm	Hmm	Emm
6	0.5	1.12	4.48	22	110.5	10	34	19.5	28
7-8	0.8	2	8	25	136	12	46	24	34
10	1.55	3.15	12.6	32	171	15	56	28.5	44
13	3.2	5.3	21.2	40.5	208.5	19.5	69	40	52
16	5.74	8	32	56	257.5	22	86	50.5	60
20	8.5	12.5	50	64.5	275	27	100	55	81
22	13	15	60	70	320	30	98	67	82
26	18	21.2	84.8	80	363	34	110	75	110
32	44.5	31.5	126	105	472	45	166	97	168

SWIVEL SELF LOCKING HOOK

Item No.	Weight/KG	WLL/T	B.L/T	B mm	C mm	Dmm	Lmm	T mm	Emm
1.12 T	0.71	1.12	4.48	32.5	22	11.25	170	34	29
2T	1.1	2	8	35.5	26	12.5	210	46	34
3.15T	2	3.15	12.6	42	34	15	247	56	44
5.3T	4	5.3	21.2	50	38.5	16	302	69	52
8T	7.3	8	32	61	55	21.5	383	86	60
12.5T	11.6	12.5	50	72	61	26	418	100	83
15T	16	15	60	95	95	33	527	98	88
21.2T	21.5	21.2	84.8	122	115	42	610	110	95.5
31.5T	79	31.5	126	140	146	52	777	166	150



CLEVIS GRAB HOOK

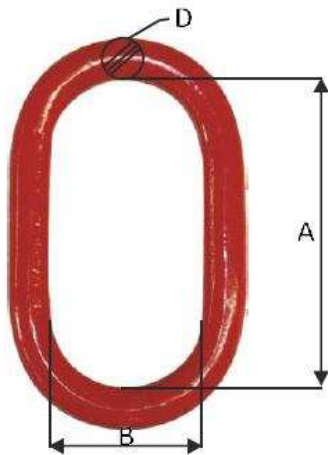


Item No.	Weight/KG	WLL/T	B.L/T	A mm	B mm	E mm	M mm	L mm
6	0.28	1.12	4.48	7.5	32	8	45.5	78
7-8	0.3	2	8	9	36	11	63	108
10	0.95	3.15	12.6	12	46	13	79	127
13	1.97	5.3	21.2	15	59	16	100	163
16	3.45	8	32	17.5	70	20	122	204
18-20	5.3	12.5	50	23	80	23	150.5	243
22	7.8	15	60	25.5	98	26	169	280

FOUNDRY HOOK

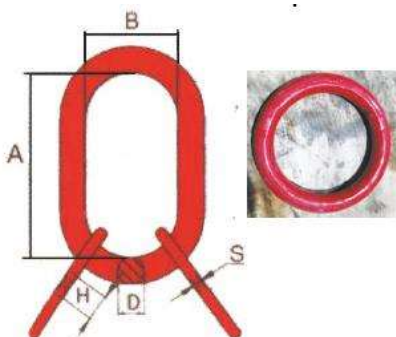


MASTER LINK



Item No.	Weight/KG	WLL/T	B.L/T	A mm	B mm	D mm
1/2	0.42	2.2	11	127	63.5	14
5/8	0.67	3.0	15	152	76	16
3/4	10.5	4.7	23.5	140	70	19
7/8	2.66	8	40	178	89	22
1	2.07	11	55	178	89	25
1-1/4	4.16	16	80	220	110	32
1-1/2	6.56	21.7	108.5	270	140	38
1-3/4	11.37	28.4	142	305	152	45
2	16.5	30	150	350	190	50
2-1/2	30	50	250	400	203	63
2-3/5	39.2	60	300	450	250	68
2-4/5	45	70	350	460	250	72
3-1/4	58	80	400	480	250	80

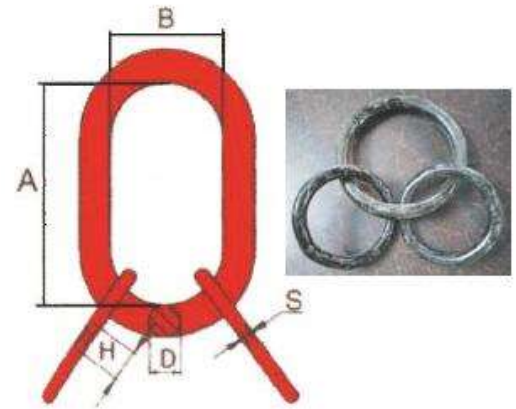
MASTER LINK ASSEMBLY



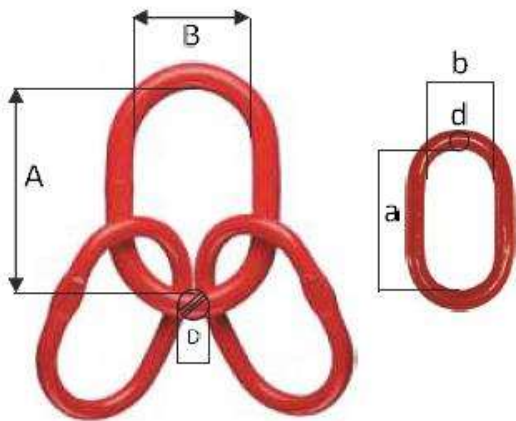
Item No.	Weight/KG	WLL/T	B.L/T	A mm	B mm	D mm	a mm	b mm	c mm	s mm	H mm
6	1.18	2.36	9.44	135	75	18	54	25	13	7	25
7	1.24	3.15	12.6	135	75	18	60	38	13	7	25
8	2.2	4.25	17	160	90	22	70	34	16	7	25
10	3.4	6.7	26.8	180	100	26	85	40	18	11	35
13	6.1	11.2	44.8	200	110	32	115	50	22	13	35
16	9.98	17	68	160	140	36	140	65	26	17	45
18	18.9	21.2	84.8	340	180	45	180	100	32	-	-
20	22.6	26.5	106	350	190	50	180	100	32	-	-
22	25.2	31.5	126	350	190	50	180	100	36	-	-
26	34.26	45	180	400	200	56	200	110	40	-	-
28	47.11	50	200	430	220	63	200	110	45	-	-
32	66.46	63	252	460	250	72	200	110	50	-	-

MASTER LINK ASSEMBLY(WELDED)

Item No.	Weight/KG	CHAIN (4.1)		STEEL (5.1)		A mm	Bmm	Dmm	amm	bmm	dmm	smm
		WII/T	B.L/T	WII/T	B.L/T							
½	0.82	2.4	9.6	2	10	100	60	14	85	40	12	6
5/8	1.61	3.2	12.8	2.5	12.5	160	90	18	100	60	14	7.6
¾	1.95	5	20	4	20	160	90	20	100	60	14	7.6
7/8	3.16	8	32	6.4	32	180	100	22	150	70	18	8.4
1-1/8	6.75	12	48	9.6	48	270	140	28	160	90	22	13.5
1-1/4	9.31	17.4	69.6	13.9	69.5	270	140	32	180	100	25	16.5
1-1/2	18.4	21	84	-	-	300	160	40	270	140	31	-
1-3/4	26.4	30	120	-	-	340	180	45	285	155	36	-
2	42.91	40	160	-	-	350	190	51	340	180	45	-

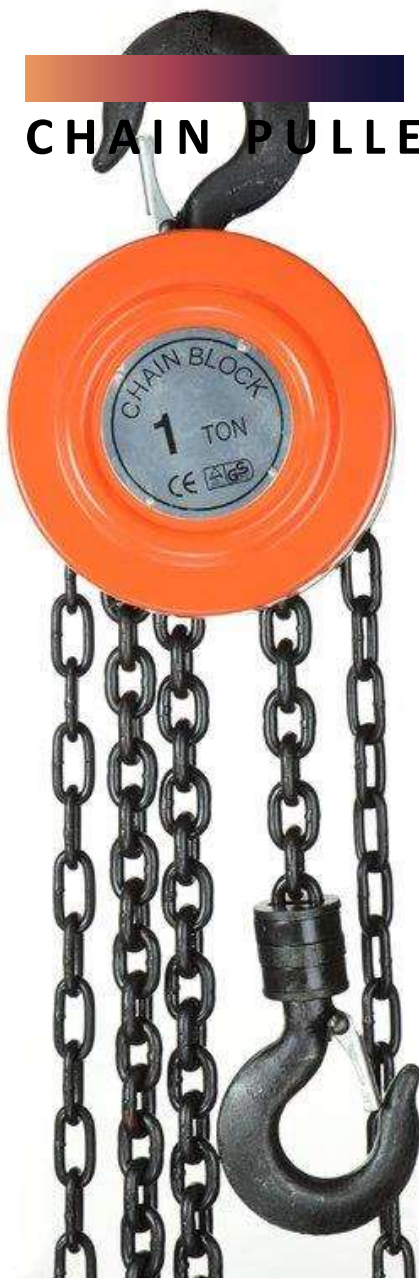


MASTER LINK ASSEMBLY



Item No.	Weight/KG	WII/T	B.L/T	A mm	Bmm	Dmm	amm	bmm	dmm
¾	1.58	4.7	23.5	140	70	20	85	40	14
7/8	2.2	6.4	32	160	90	22	70	34	16
7/8	2.66	8	40	178	89	22	85	40	18
1	3.99	11	55	178	89	25	100	60	22
1-1/4	5.89	16	80	220	110	32	100	60	22
1-1/2	12.52	21.7	108.5	270	140	38	180	100	28
1-3/4	16.22	25	125	320	170	45	225	125	34
2	26.11	30	150	350	190	50	180	100	35
2-1/4	35.84	45	225	406	203	56	200	110	40
2-1/2	43.88	50	250	410	220	60	200	110	45
2-4/5	65.6	60	300	460	250	72	200	110	50
3-1/4	139	100	500	460	260	82	430	220	70
3-1/2	173	120	600	610	305	90	430	220	72

CHAIN PULLEY BLOCK



- Load limiter is available at extra cost.
- Low effort to lift Maximum Load.
- Premium grade alloy load chain and zinc plated hand chain.
- Drop Forged and expertly heat-treated hook for great strength and long wearing.
- Capacity ranges from 0.5 to 20T. heavy duty 30T, 50T is available.

Model	Capacity	Standard Lift	Test Load	W. (mm)	H. (mm)	W. (mm)	H. (mm)	N.W.	G.W.	Dimensions
SAM C1/2	0.5	2.5	0.75	285	25	1	6	8	9.4	28 x 21 x 17
SAM - C1	1	2.5	1.5	315	33	1	6	10	11.5	30 x 24 x 18
SAM - C1-1/2	1.5	2.5	2.25	340	34	1	8	11	12	34 x 29 x 20
SAM - C2	2	3	3	380	34	1	8	14	17	35 x 25 x 19
SAM - C3	3	3	4.5	475	35	2	8	22	26	38 x 30 x 20
SAM - C5	5	3	7.5	600	39	2	10	36	43	45 x 35 x 24
SAM - C10	10	3.5	15	700	41	4	10	68	82	70 x 46 x 75



RATCHET LEVER HOIST

- Series Lever Hoist is a kind of Portable and versatile.
- Hand Operated Loading and pulling appliance, which is capable of being applied in electricity, mines, ship-building, construction sites, transports and telecommunication for installing equipment's, lifting goods, pulling mechanical parts, bulk strapping and fastening, rightening fitting of wires, assembling and welding etc.
- It has exceptional advantages particularly for pulling in every limited narrow places in the upper air high above the ground and at any angle



Model	Capacity	Standard Lift height	Test Load (T)	Min. Difference between hooks		No. of Load Chain pass	Dia. of Load Chain	N.W.	Packing Measurement
SAM 3/4	0.75	1.5	1.1	303	196	1	6	7	328 x 167 x 162
SAM 1/2	1.5	1.5	2.2	365	206	1	7	11	517 x 197 x 177
SAM 3	3	1.5	4.41	485	324	1	10	20	577 x 247 x 217
SAM 6	6	1.5	7.35	600	343	2	10	30	377 x 247 x 217



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GSTIN - 27AYCPT0326N1Z5

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