

Rigcare

your quality rigging partner





WE RIGCARE, ARE ONE OF THE MOST EXPERIENCED LIFTING SOLUTION PROVIDER AND SUPPLIER OF HIGH QUALITY RIGGING EQUIPMENT.

Rigcare is one of the leading supplier of all kinds of lifting equipment and experienced solution provider established in the year of 2014.

We are located in Dammam, Saudi Arabia. We do provide our supply and services in the entire Middle East market region. We do provide prompt services and quality supplies to Oil & Gas, construction, marine and petro chemical industries.

We are committed to provide the rigging solutions with quality products from the world leading manufactures. Saudi Aramco approves our partners and assured the Quality Products to all of our customers.

All types of lifting equipment including but not limited to Wire Rope Slings and Accessories, Chain Slings, Webbing Slings, Round Slings, Black Slings for the entire industry, Chain Blocks, Lever Hoists, Load Cells, Safety Harness, Eye Bolts, Beam Clamps, Trolleys, Plate Clamps, Magnets and other equipment are supplied by the company.

OUR PARTNERS



SYNTHETIC ROPES LIKE POLYPROPELENE ROPE (MOORING ROPES) NYLON ROPES , NYLON SLINGS , WEBBING SLINGS , ROUNDSLINGS ETC.

NYLON / POLYESTER WEBBING SLINGS:

- According to Machinery Directive 2006/42/EC & EN 1492-1
- Safety Factor: 7:1 to EN 1492-1

Flat Eye Slings are the most common type of sling. They can be used in all three hitches – Vertical, Choker, and Basket. In addition to the color, the number of black lines on these slings indicates its WLL.

Type - Double ply polyester webbing sling with reinforced lifting eyes



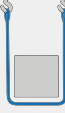




ROUND SLINGS

Round slings are highly flexible, light weight and it is an all-purpose lifting sling enabling a strong and supportive for safe lifting of a load without any damage. Round slings are a continuous loop made from polyester yarn encased in a sleeve of polyester fabric.

Its Polyester characteristics support the lifting, with perfect surface contact in load and slings, Non damage of load surface, avoiding slipping and bouncing etc.

WORKING LOAD LIMIT (WLL) IN TONNE FOR ROUND SLINGS AND WEBBING SLINGS

SAFETY COLOUR CODE 7-1 SAFETY FACTOR	Straight Lift	Choke Lift	Basket Lift	Multi Slings	
					
MODE FACTOR	1.0	0.8	2.0	1.4	1.0
VIOLET	1	0.8	2	1.4	1
GREEN	2	1.6	4	2.8	2
YELLOW	3	2.4	6	4.2	3
GREY	4	3.2	8	5.6	4
RED	5	4	10	7	5
BROWN	6	4.8	12	8.4	6
BLUE	8	6.4	16	11.2	8
ORANGE	10	8	20	14	10
ORANGE	12	9.6	24	16.8	12
ORANGE	15	12	30	21	15
ORANGE	20	16	40	28	20
ORANGE	30	24	60	42	30



Mooring Rope (PP rope)



Manila Ropes



Nylon Ropes

GRADE 100 / 80 CHAIN & SLINGS

GRADE 100/ 80 LIFTING CHAIN AND SLINGS

Grade 100/ 80 Alloy steel chain is the most widely used chain for overhead lifting applications and is available from 9/32" through 1-1/2".

CHARACTERISTICS AND SPECIFICATION

Standard : EN 818 - 2
Material : Alloy steel
Factor of safety : 4 to 1
Construction : Quenched & tempered
Proof load : 2.5 times of working load limit

CHAIN SLINGS

Chain slings are available in a range of material grades, sizes and assemblies. Its mainly applicable in various types like Endless, Single leg , Double legs, Four Legs.

Its ends fittings are Clevis Type Hooks or D Shackles depends on the lifting plan and load requirements. Shortening Clutches are using for adjust the leg length if required.



GRADE 80 CHAIN SLING

Dia		1 Leg		2 Legs		3 & 4 Legs	
		SWL vertical (t)	SWL choker (t)	SWL 0-45° Sling Angle to Vertical	SWL 0-30° Sling Angle to Vertical	SWL 0-45° Sling Angle to Vertical	SWL 0-30° Sling Angle to Vertical
mm	inch						
7	9/32	1.5	1.2	2.12	2.60	3.18	3.90
8	5/16	2	1.6	2.83	3.46	4.24	5.20
10	3/8	3.15	2.52	4.45	5.46	6.68	8.18
13	1/2	5.3	4.24	7.50	9.18	11.24	13.77
16	5/8	8	6.4	11.31	13.86	16.97	20.78
20	3/4	12.5	10	17.68	21.65	26.52	32.48
22	7/8	15	12	21.21	25.98	31.82	38.97
26	1	21.2	16.96	29.98	36.72	44.97	55.08
32	1.1/4	31.5	25.2	44.55	54.56	66.82	81.84

STEEL WIRE ROPE & SLINGS

STEEL WIRE ROPES ARE CLASSIFIED IN TO GENERAL PURPOSE AND SPECIAL PURPOSE ROPES BASED ON ITS CONSTRUCTION AND APPLICATIONS.

Wire rope is made of plaiting strands of wire – normally medium carbon steel – into a thick cable. The strands are formed around a core. The strands in wire ropes are made of wire twisted together. Strands with smaller diameter wires are less abrasion resistant and more fatigue resistant. Strands made with thicker length of wire are more abrasion resistant and less fatigue resistant.

CENTRE

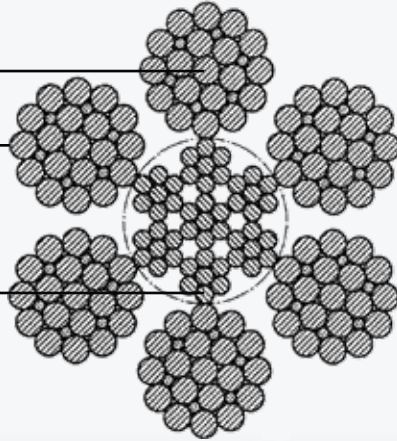
Supporting the wires

STRAND

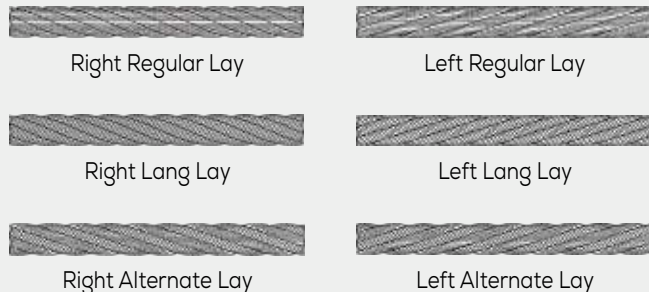
Made of various number of wires
6 refers to number of strands in rope
25 refers to number of wires in each strand

CORE

FC (Fibre Core)
IWRC (Independent Wire Rope Core)



STEEL WIRE ROPE LAYOUT CHART:

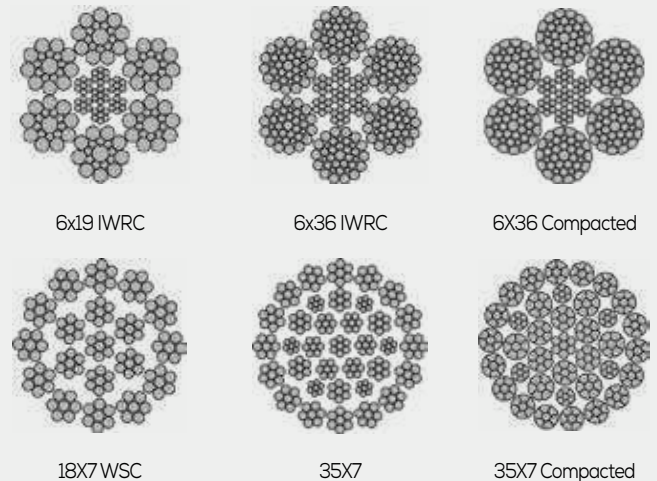


STEEL WIRE ROPE SLINGS

Wire rope slings are very common lifting gears for heavy loads and available in a range of sizes and assemblies, select the slings to be used and plan the lift taking the following into account:

Type of sling to be used - endless, single, two, three or four legs.
Factor safety is 5:1
Method of making wire rope sling's eye terminations are, Flemished eyes by using cold Tuff Steel Sleeves
Turnback Method by Using Aluminum ferrule

TYPICAL WIRE ROPE CONSTRUCTIONS:



General Purpose with IWRC :

6x19 , 6 X25 (F) , 6 X 36 etc.

Special ropes with WSC:

19X7, 19X19, 35X7 Compacted, etc.

Tensile Strengths:

1960 N/mm² (EIPS) and 2160 N/mm² (EEIPS)

Sizes :

From 3 mm to 80 mm

Surface Finish :

Galvanized and Ungalvanized

Core :

IWRC, FC and WSC

TYPES OF STEEL WIRE ROPE SLINGS

WIRE ROPE SLING TYPES



Soft Eye Both End



Thimble Eye Both End



One End Soft Eye, Other End Thimble Eye



One end Soft Eye, other end Plain



One end Thimble Eye, other end Plain



Endless sling



4 Leg with end fittings



4 Leg with Soft Eye



2 Leg with Hooks



2 Leg with Soft Eye



Grommet Round Sling



Gator Laid Sling



Flat Braided Sling



Braided Sling

STEEL WIRE ROPE SLING

Dia		Single Leg		2 Legs	3 & 4 Legs
mm	Inch	SWL Vertical (t)	SWL Choker (t)	SWL (0-45°) Sling Angle To Vertical (t)	SWL (0-45°) Sling Angle To Vertical (t)
6	1/4	0.5	0.4	0.7	1.0
8	5/16	0.8	0.6	1.1	1.7
10	3/8	1.3	1.04	1.8	2.7
13	1/2	2.1	1.68	2.9	4.4
16	5/8	3.3	2.64	4.6	6.9
19	3/4	4.6	3.68	6.4	9.7
22	7/8	6.2	4.96	8.7	13.0
26	1	8.6	6.88	12.0	18.0
28	1.1/8	10	8	14.0	21.0
32	1.1/4	13.1	10.48	18.3	27.5
36	1.3/8	16.6	12.56	23.2	34.8
38	1.1/2	18.5	14.8	25.9	38.9
44	1.3/4	24.8	20	34.7	52.0
52	2	34.7	27.76	48.6	72.9
56	2.1/4	40.1	32.08	56.1	84.2
64	2.1/2	54.2	43.36	75.9	113.8
76	3	76.5	61.2	107.1	160.0
89	3.1/2	103.3	82.64	144.6	216.9

CHAIN & LEVER HOIST (ELECTRICAL & MANUAL)

Electric Chain Hoist

Brands : Toho Japan, Toyo
3Phase : 360 V ; 50/60 Hz
Capacity : 1t, 2t, 3t, 5t, 10 t and 20t
Chain Length: 3 & 6 mtrs.



Manual Chain Hoist

Brands : Toho Japan , Toyo
Capacity: 1t, 2t, 3t, 5t, 10 t and 20t
Chain length : 3 & 6 mtrs.



Lever Hoist

Brands : Toho Japan , Toyo
Capacity: 0.75t , 1.5t , 3t and 6t
Chain length : 1.5 mtrs.



Trolley



Hand Winch



Pallet Lifter



Wire rope Puller

SHACKLES



D (Chain)



Bolt & Nut



Screw Pin



Wide Body



ROV

RIGGING ACCESSORIES AND END FITTINGS



Plate lifting Clamp
(Vertical)



Plate lifting Clamp
(Horizontal)



Pipe Lifting Hook



Beam Clamp



Wire Rope Clip



Master Link



Master Link Assembly



Thimble



Open Spelter Socket



Closed Spelter Socket



Shurloc Hook



Sling Hook



Wedge Socket



Snatch Block



Tail Board



Swivels



Load Binder



Turn



Eye Bolt



Hoist Ring



Container Hook

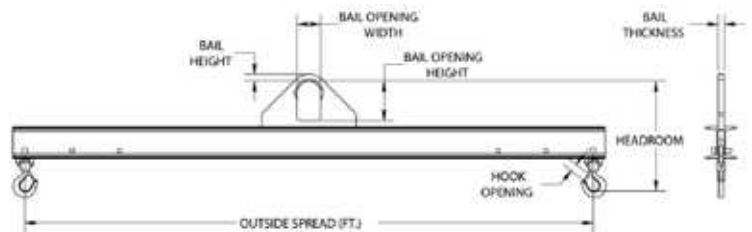
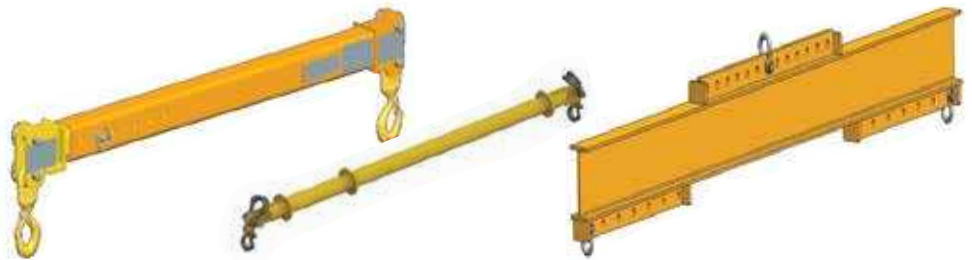


Resin

BELOW THE HOOK-MATERIAL HANDLING EQUIPMENT

Lifting Beams ,Spreaders and Frames Adjustable and Fixed

Versatile beam has adjustable spreaders and lifting bail standard to allow for handling of a wide range of loads with a single lifting beam. Product can be used with provided shackles or add optional hooks for increased versatility.



- Adjustable Bail
- Adjustable Spreads
- Better Stability
- Can handle both wide and unbalanced loads.
- Solution for low head room



Sack Lifting ring



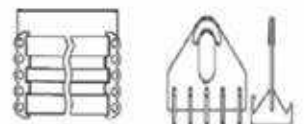
Big Bag Lifting Frame



Man Basket



Lowering Belt Hook



Delta Plate



Pad Eyes



Rigging Rack

STEEL WIRE ROPE –SPOOLING & SOCKETING

On-Site Socketing



Sockets are the most efficient of wire rope terminations and if properly made will sustain the full breaking load of the rope. Traditionally the socketing material has been molten white metal or zinc. More recently, however, suitable synthetic resins have been developed.

On site socketing and customization of wire rope for

- Crane Ropes
- A&R Wires
- Winch Wires
- Mooring and Anchor Lines
- Tow and Work Wires



Wire rope Spooling and Replacing

We provide on site spooling services with 35Te – 150Te spooling machine with competent operator with highest standard of health and safety. Full technical and logistical support will be provided throughout the planning and operations .



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