



شركة تصنيع الرافعات السعودية المحدودة
Saudi Lifting Equipment Manufacturing Co. Ltd.



PRODUCTS CATALOGUE



Company Vision & Mission

Slemco aims to localize the manufacturing of quality products, be the leading supplier in lifting equipments, meet the growing market demand in the region and contribute to the development of national human resources as a local manufacturer.

Slemco's mission is to manufacture high quality, international certified and competitively priced products.

At Slemco, we intend to provide consistent services with the best customer satisfaction and build long term, trustworthy relationships with our customers and suppliers.



What's Inside

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An Overview

Saudi Lifting Equipment Manufacturing Company Limited (SLEMCO) was established in the year 1982. SLEMCO is a fully, Saudi Owned Company and is one of the leading Manufacturers of lifting equipment for Oil & as, Lifting and Construction industries and other users in Kingdom of Saudi Arabia.

Our Manufacturing efforts are based in Dammam with full factory facilities to design manufacture all types of lifting equipment, which include but not limited to:

- Webbing and Webbing slings from 1" to 12" Width (up to 24" width upon request)
- Wire rope and Wire rope slings from 3mm to 128mm diameter, Splicing wire ropes by hand, Aluminum Ferrules, Crosby Cold tuff Steel sleeves with Flemish eyes and also White metal / Resin Socketing in accordance with BS and ASME Specifications. The steel wire ropes of almost all constructions and grades are available.
- Chain and Chain slings of sizes ranges from 7mm to 32mm diameter.
- Round slings of capacities vary from 1 ton to 50 ton.
- End Fitting such as blocks and fittings for Wire ropes and Chains.
- Mooring Ropes and Nylon Ropes.
- Chain Blocks, Chain Hoists & Lever Hoists - Wide Range and Make.
- Sack Lifting Rings & Barrel Lifters.
- Modulift Spreader Beams
- McKissick snatch blocks & Codipro swivel hoist rings.



We manufacture Slings in accordance with International Standards such as British Standards - BSEN 13414 - 1:2003 (Wire Rope Slings), BSEN 818 (Alloy Steel Chain Slings) & BSEN 1492-1:2000 (Webbing Sling) as well as American Standard ASME B 30.9, which is used by Saudi Aramco and other applicable Standards.

Slemco have division under the name Unitest which carry out the testing and inspection services for Lifting gears, lifting tackles and Cranes (Onsite / inhouse testing and inspection of elevating equipments, Testing and inspection of mobile cranes & Overhead Cranes).

Wire Ropes

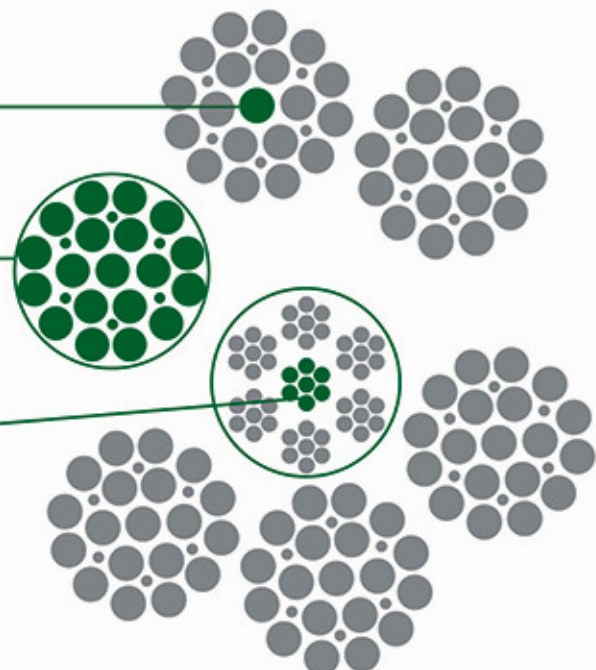
SLEMCO maintains a large stock of wire rope for applications. Our high quality wire ropes are sourced from Europe, Korea, Saudi Arabia and UAE. All ropes conform to the relevant International and local norms and are supplied with Mill Test Certificates.

- Over 2, 000 MT stock of superior brand wire ropes
- Brands include DSR, Brunton Wolf, Kiswire, Gabaswire
- Upto 3inch Diameter in stock
- No minimum order quantity
- Tensile Grades: 1960 N/mm², 2160 N/mm², EIPS, EEIPS
- Manufacturing Standards: EN 12385, API 9A, ISO 10425
- Certificates: Mill Test Certificate with 3rd party certifications like Velosi, ABS & UNITEST
- Applications: Oil & Gas, Drilling, Marine, Engineering, Cranes & Hoists etc.

CENTRE ←
Supporting the wires

STRAND ←
Made of various number of wires
6 refers to number of strands in the rope
25 refers to number of wire in each strand

CORE ←
FC (Fibre Core)
IWRC (Independant Wire Rope Core)



Wire Ropes Slings

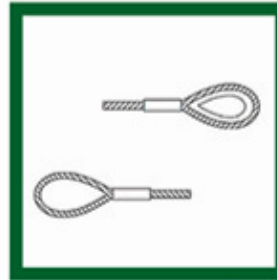
Slemco maintains a large stock of wire ropes with different constructions for various lifting applications". We are providing the wire rope slings as single leg, two leg bridles and four leg bridle slings with all types of end fittings based on the customer requirement.



Wire Rope Sling Types
Soft eye each end



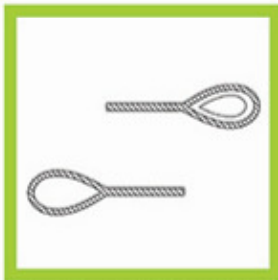
Wire Rope Sling Types
Hard eye each end



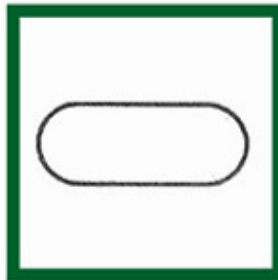
Wire Rope Sling Types
one end soft eye,
other end hard eye



Wire Rope Sling Types
Hand spliced soft eye
each end



Wire Rope Sling Types
Hand spliced soft eye
and hard eye



Endless sling



4 leg with end fittings



4 leg with soft eye



2 leg with sling hooks



2 leg with soft eye



Wire Ropes with Different End Terminations

- One of the most comprehensive rigging facilities in the Middle East
- Fabrication of slings upto 4 inch (103mm) diameter with Steel (Flemish) and Aluminum sleeves
- Slings manufactured to EN 13414-1
- Fittings from Crosby, GN Rope Fittings, Rope Block, Rocon, Wirop, ToyoLift, Green Pin



Standard eye



Closed Spelter Socket



Thimble eye



Open Spelter Socket



Thimble eye Safety Hook 320N



Thimble eye Safety Hook BKL



Open Swaged Socket



Shur Lock Hook



Closed Swaged Socket



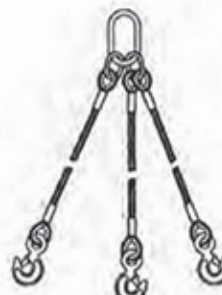
Thimble eyes ring



Various Configurations of Single Leg Wire Rope Slings



2-Leg Wire Rope Sling



3-Leg Wire Rope Sling



4-Leg Wire Rope Sling

Chain Accessories - Hooks



Clevis Sling Hook
A-339 N



Clevis Sling Hook
A-314 A



Clevis Grab Hook
A-338



Clevis Hook
S-317 A



Eye Grab Hook
A-328



Eye Hoist Hook
S-320 AN



Shur-loc Eye Hook
S-316 A



Swivel Hook
S-322 A



Eye Sling Hook
A-327



Swivel Hook
S-326 A



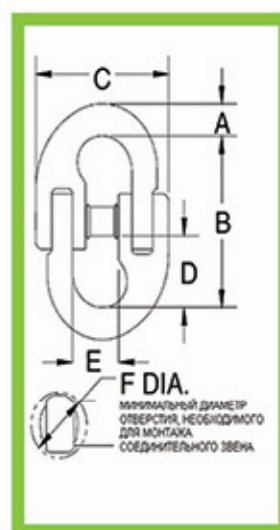
Chain Accessories



Chain Accessories



Chain Accessories

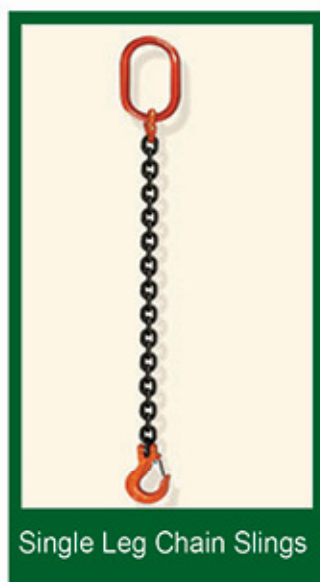


LOK-A-LOY
Alloy Connecting
Links








A-1337

Chains and Chain Slings

Chains are available in different grades such as grade 80 and grade 100. Chains and chain slings are available in a range from 7mm to 32mm diameter. We are manufacturing chain slings as single leg, two legs, three legs or four legs with a choice of terminal fittings.



Chain Slings Capacity Chart

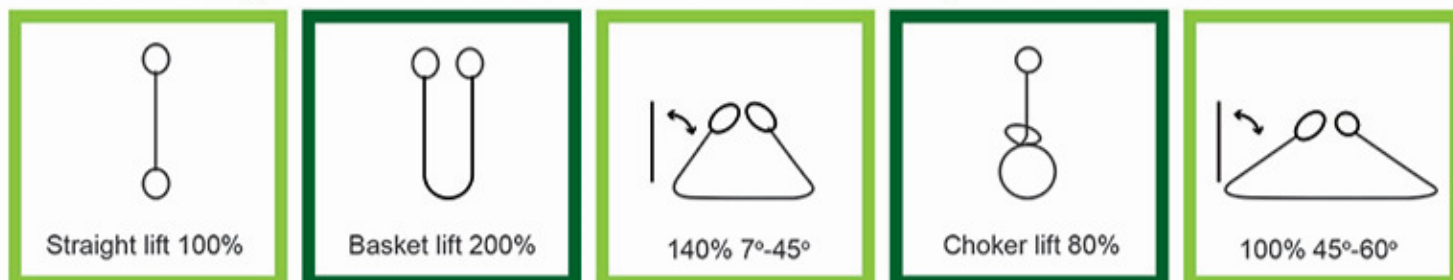
	Single Leg Sling	2 - Leg Sling 0 - 45°	2 - Leg Sling 45° - 60°	3 - Leg Sling 0 - 45°	3 - Leg Sling 45° - 60°	4 - Leg Sling 0 - 45°	4 - Leg Sling 45° - 60°
							
Diameter (mm)	Safe Working Load (tonnes)						
6mm	1.12	1.60	1.12	2.36	1.70	2.36	1.70
7mm	1.50	2.12	1.50	3.15	2.24	3.15	2.24
8mm	2.00	2.80	2.00	4.25	3.00	4.25	3.00
10mm	3.15	4.25	3.15	6.70	4.75	6.70	4.75
13mm	5.30	7.50	5.30	11.20	8.00	11.20	8.00
16mm	8.00	11.20	8.00	17.00	11.80	17.00	11.80
19mm	11.20	16.00	11.20	23.60	17.00	23.60	17.00
20mm	12.50	17.50	12.50	26.25	18.74	26.25	17.74
22mm	15.00	21.20	15.00	31.50	22.40	31.50	22.40
26mm	21.20	30.00	21.20	45.00	31.50	45.00	31.50
32mm	31.50	45.00	31.50	67.00	47.50	67.00	47.50

Polyester Round Slings

Round slings are manufactured to EN1492-2 and have a safety factor of 7:1. The load bearing fibers are wound together to form an endless hank. The working load limit is determined by the number of turns in the hank.

Heavy duty round slings above 10Tons are provided with a double cover and two protective sleeves. Sleeves can be specially ordered to any required length.

Round slings are manufactured to EN 1492-2 safety factor of 7:1.



Round Sling from 1T to 10 T

REF	COLOUR	SWL/WLL	WIDTH	SWL / WLL IN KG AT DIFFERENT MODES				
TRS1	VIOLET	1T	44mm	1000	2000	1400	800	1000
TRS2	GREEN	2T	46mm	2000	4000	2800	1600	2000
TRS3	YELLOW	3T	60mm	3000	6000	4200	2400	3000
TRS4	GREY	4T	67mm	4000	8000	5600	3200	4000
TRS5	RED	5T	78mm	5000	10000	7000	4000	5000
TRS6	BROWN	6T	83mm	6000	12000	8400	4800	6000
TRS8	BLUE	8T	95mm	8000	16000	11200	6400	8000
TRS10	ORANGE	10T	112mm	10000	20000	14000	8000	10000

Round sling from 10T to 100T

Heavy duty round slings above 10 tons are provided with a double cover and two protective sleeves. Sleeves can be specially ordered to any required length.

REF	COLOUR	SWL/WLL	W/m	WIDTH	SWL / WLL IN KG AT DIFFERENT MODES				
RS10	ORANGE	10T	2.2	50mm	10000	20000	14000	8000	10000
RS15	ORANGE	15T	3.5	55mm	15000	30000	21000	12000	15000
RS20	ORANGE	20T	4.8	60mm	20000	40000	28000	16000	20000
RS25	ORANGE	25T	6.1	65mm	25000	50000	35000	20000	25000
RS30	ORANGE	30T	6.9	70mm	30000	60000	42000	24000	30000
RS40	ORANGE	40T	9.5	85mm	40000	80000	56000	32000	40000
RS50	ORANGE	50T	11.6	100mm	50000	100000	70000	40000	50000
RS60	ORANGE	60T	13.6	110mm	60000	120000	84000	48000	60000
RS80	ORANGE	80T	16.9	125mm	80000	160000	112000	64000	80000
RS100	ORANGE	100T	23.2	135mm	100000	200000	140000	80000	100000

Centre-stitched Round Sling (RS)

The covers of round slings from 1 to 6 ton are provided with a centre stitch.

Side-stitched Round Sling (RS)

Round slings of all sizes can be made with a side stitched cover



Webbing Slings

We also manufacture slings as per European Norm, EN 1492-1 with safety factor 7:1, In addition to the colour, the number of black lines on the slings indicates its tonnage.
For reference, please see example given below.



4T Slings
(4 Black Lines)

3T Slings
(3 Black Lines)

Flate Polyester Sling type ED (Double Ply)
According to En 1492-1
Webbing from West Europe Safety Factor 7:1



WEBBING SLINGS

Notes:

1. Slings up to 5T X 6M will be will be shrink packed
2. Individual certificates provided with every Sling
3. Each sling is provided with protection for the eyes.
4. Protectives Polyester sleeves can be provided to length of customer choice.

ED1	1T	30mm	VIOLET	1000	2000	1400	800	1000
ED2	2T	60mm	GREEN	2000	4000	2800	1600	2000
ED3	3T	90mm	YELLOW	3000	6000	4200	2400	3000
ED4	4T	120mm	GREY	4000	8000	5600	3200	4000
ED5	5T	150mm	RED	5000	10000	7000	4000	5000
ED6	6T	180mm	BRWON	6000	12000	8400	4800	6000
ED8	8T	240mm	BLUE	8000	16000	11200	6400	8000
ED10	10T	300mm	ORANGE	10000	20000	14000	8000	10000

Flat Polyester Slings type SP (Single Ply)

SPI	0.5T	1"/25mm	VOILET	500	1000	700	400	500
SP2	1T	2"/50mm	GREEN	1000	2000	1400	800	1000
SP3	1.5T	3"/75mm	YELLOW	1500	3000	2100	1200	1500
SP4	2T	4"/100mm	GREY	2000	4000	2800	1600	2000
SP5	2.5T	5"/125mm	RED	2500	5000	3500	2000	25000
SP6	3T	6"/150mm	BROWN	3000	6000	4200	2400	3000
SP8	4T	8"/200mm	BLUE	4000	8000	S600	3200	4000
SP10	5T	10"/250mm	ORANGE	5000	10000	7000	4000	5000
SP12	6T	12"/300mm	ORANGE	6000	12000	8400	4800	6000

According to BS 3481 PT2 1983
Webbing from West Europe - Safety
Factor 6:1

Flat Polyester Slings type DP (Double Ply)

SPI	1T	1"/25mm	VOILET	1000	2000	1400	800	1000
SP2	2T	2"/50mm	GREEN	2000	4000	2800	1600	2000
SP3	3T	3"/75mm	YELLOW	3000	6000	4200	2400	3000
SP4	4T	4"/100mm	GREY	4000	8000	5600	3200	4000
SP5	5T	5"/125mm	RED	5000	10000	7000	4000	5000
SP6	6T	6"/150mm	BROWN	6000	12000	8400	4800	6000
SP8	8T	8"/200mm	BLUE	8000	16000	11200	6400	8000
SP10	10T	10"/250mm	ORANGE	10000	20000	14000	8000	10000
SP12	12T	12"/300mm	ORANGE	12000	24000	16800	9600	12000

Note:

1. Lifting Slings (upto 6" x 6"m) shrink packed.
2. Each sling is supplied with an individual test certificate.
3. Single ply slings are normally supplied without eye protection.
4. We also make 3p (3 ply) slings, if required.
5. All slings can be provided with protective Polyester sleeve of any length.

Flat Polyester Slings type 4P (Four Ply)

4SPI	1T	1"/25mm	VOILET	2000	4000	2800	1600	2000
4SP2	4T	2"/50mm	GREEN	4000	8000	5600	3200	4000
4SP3	6T	3"/75mm	YELLOW	6000	12000	8400	4800	6000
4SP4	8T	4"/100mm	GREY	8000	16000	11200	6400	8000
4SP5	10T	5"/125mm	RED	10000	20000	14000	8000	10000
4SP6	12T	6"/150mm	BROWN	12000	24000	16800	9600	12000
4SP8	16T	8"/200mm	BLUE	16000	32000	22400	12800	16000
4SP10	20T	10"/250mm	ORANGE	20000	40000	28000	16000	20000
4SP12	24T	12"/300mm	ORANGE	24000	48000	33600	19200	24000

Screw Pin Shackles



**G-209
BOW/ANCHOR
SHACKLE**

Screw pin anchor shackles meet the performance requirements of Federal Specification RR-C-271 D Type IV A, Grade A, Class 2, except for those provisions required of the contractor

- Shackles are Quenched and Tempered and can meet DNV impact requirements of 42 joules at -20°C.
- Working Load Limit permanently shown on every shackle.
- Forged - Quenched and Tempered, with alloy pins.
- Capacities 1/3 thru 55 metric tons.
- Look for the Red Pin^(R)... the mark of genuine crosby quality
- Shackles can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certification. Charges for proof testing and certification available when requested at the time of order.
- Hot Dip galvanized.
- Fatigue rate



**G-210
"D"/CHAIN
SHACKLE**

Screw pin chain shackles meet the performance requirements of Federal Specification RR-C-271 D Type IV B, Grade A, Class 2, except for those provisions required of the contractor

Bolt Nut Safety Shackles



**G-2130
BOW/ANCHOR
SHACKLE**

- Working Load Limit permanently shown on every shackle. Capacities 1/3 thru 150 metrics tons.
- Forged -Quenched and Tempered, with alloy pins.
- Look for the Red Pin (R)... the mark of genuine Crosby quality.
- Shackles 55 metric tons and smaller can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certification.
- Shackles 85 metric tons and larger can be provided as follow
- Non Destructive Tested
- Serialized Pin and Bow
- Material Certification (Chemical) Certification must be requested at time of order.



**G-2150
"D"/CHAIN
SHACKLE**

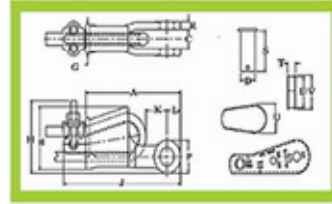
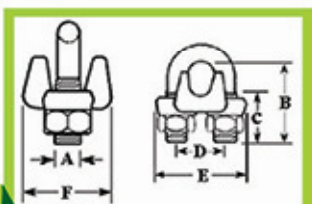
Crosby® Clips And Wedge Sockets

* Electro-polated U-Bolt and Nuts.

** 70mm and 89mm base is made of cast steel.



**G-450
CLIPS**

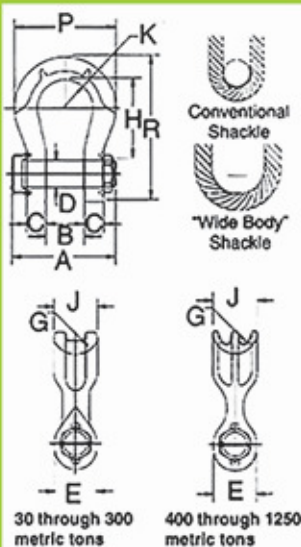


**S-421T
Wedge Socket**



“Wide Body” Shackles

- Greatly improves wearability of wire rope slings.
- Can be used to connect High Strength Synthetic Web Slings, HIGH STRENGTH Synthetic Round or Wire Rope Slings.
- Increase in shackle bow radius provides minimum 58% gain in sling bearing surface and eliminates need for a thimble.
- Increases usable sling strength minimum of 15%
- Pin is non-rotating, with weld on handles for easier use (300t and larger).
- All ratings are in metric tons, embossed on side of bow.
- Forged alloy steel from 30 through 300 metric tons.
- Cast alloy steel from 400 through 1000 metric tons.
- Sizes 400 tons and larger are tested to 1.33 times working Load Limit.
- All 2160 shackles are individually proof tested, Crosby certification available at time of order. Shackles requiring ABS, DNV, Lloyds and other certifications are available upon special request and must be specified at time of order.
- Shackles are produced in accordance with certified lifting appliance requirements.
 - Non Destructive Testing
 - Sterilization / Identification
 - Material Testing (Physical/Chemical/Charpy)
 - Proof Testing
- All Sizes Quenched and Tempered for maximum strength.
- Bows and pins are furnished in accordance with DNV specifications 2.7-1 Offshore Containers and DNV rules for Lifting Appliances - Loose Gear.



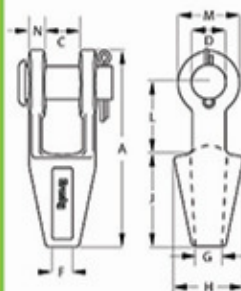


G-416

Open Spelter Sockets

- Forged Steel Sockets thru 38mm, cast alloy steel 40 mm thru 100mm.
- Spelter socket terminations have an efficiency rating of 100%, based on the catalog strength of wire rope. Ratings are based on recommended use with 6 x 7, 6 x 19, or 6 x 37, IPS or XIP (EIP), XXIP (EEIP), RRL, FC, or IWRC wire rope.

Open Grooved Socket meet the performance requirements of Federal Specification RR-S-550D, Type A, except for those provisions required of the contractor.

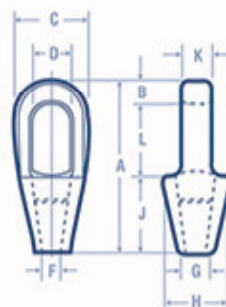


G-415

Closed Spelter Sockets

- Forged Steel Sockets thru 38mm, cast alloy steel 40 mm thru 100mm.
- Spelter socket terminations have an efficiency rating of 100%, based on the catalog strength of wire rope. Ratings are based on recommended use with 6 x 7, 6 x 19, or 6 x 37, IPS or XIP (EIP), XXIP (EEIP), RRL, FC, or IWRC wire rope.

Open Grooved Socket meet the performance requirements of Federal Specification RR-S-550D, Type B, except for those provisions required of the contractor.



TALURIT
3700 TON
SWAGING MACHINE



TALURIT
1000 TON
SWAGING MACHINE

McKissick Snatch Blocks & Codipro Swivel Hoist Rings



418

New Improved Light Champion

- Forged alloy heat treated hooks.
- Forged steel swivel tees, yokes and shackles.
- Hook and Shackle assemblies on 114mm through 356mm sizes can be interchanged.
- Can be furnished with bronze bushings or roller bearings.
- Opening feature permits insertion of rope while block is suspended from gin-pole.
- 76mm thru 457mm 418 and 419 blocks have exclusive bolt retaining spring to assure no lost bolts.
- Can be furnished with hook latch.
- Pressure lube fittings.
- Fatigue rated.



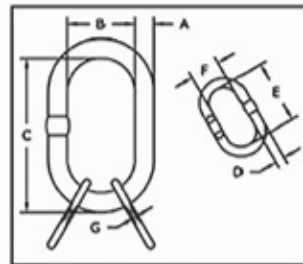
419

McKissick[®] Snatch Block

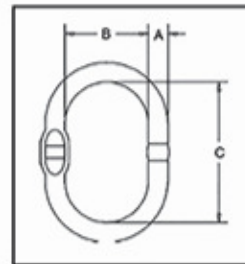
- Each link a Product identification Code (PIC) for material tracability, along with the and "CG" (The Crosby Group).
- Design Factor of 4 to 1 for chain and 5 to 1 for wire rope.
- Alloy Steel - Quenched and Tempered.
- Individually Proof Tested at 2.5 times the Working Load Limit (4:1) certification.
- Larger inside width and length for use with thimble.
- Engineered Flat for use with S-325 A coupler link.



404



A-347



A-344

- Individually Proof Tested at 2-1/2 times Working Load Limited with certification.
- Locking system that provides for simple assembly and disassembly - no special tool needed.
- Meets ASTM A-952-96 standards for Grade 80 Chain Fittings.
- Forged Alloy Steel - Quenched and Tempred.



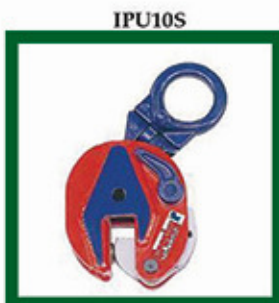
Plate Lifting Clamps



Universal - for Lifting
in an Direction
Model Ipu 10



Universal - for Lifting
in an Direction
Model Ip 10



For Stainless Steel and
Very Hard Materials
(Hardox) Model Ipu 10/s



For Horizontal Lifting
and Transfer Model
Iphonz Model Iphsz



For The Transfer of Steel
Beams and Attachment of
Tackle Eye Model Iptk



For The Lifting and
Transfer of Steel Drums
Model Ipvk

Chain Blocks, Lever Hoists & Tirfors

CHAIN BLOCKS

- Chain Block From Toyo Japan and Vital Japan are available from stock.
- Sizes range from 0.5 T to 30T with standard chain lengths
- Longer Hand Chain and Load Chains are available on request
- All Chain Blocks will be delivered test certificate

LEVER HOISTS

- Lever Hoists from 0.75T to 6T with standard chain lengths of meters
- Lever Hoists will be delivered with test certificates

TIRFORS

- From 0.8T Lifting to 3.2T lifting - standard wire rope of 20 Meters
- Non Standard wire rope lengths are available on request
- Certificates provided with material



UNITEST

Inspection Services

Unitest Inspectors, fully trained by Enermech, Certex UK, and TUV - SUD are capable to conduct thorough examination of lifting equipments, elevating equipments, lifting appliances, lifting gears and accessories in accordance with appropriate standards. The reliability of any equipment is verified not only by visual test, but also by function test and performance testing.

Testing and Certification

Equipped with AJT 100 tonne Capacity Hydraulic Test Bed Machine and 100 Tonne Capacity Digital Load Cell, our team of Testing Engineers and Technicians can provide Load Testing and Proof Load Testing with reference to manufacturing and statutory codes.

Crane Maintenance and Repair

We value your opinion and requirements, and with the ever growing demands of maintenance services for cranes, and seeing the Importance of safety, Unitest has put up a team of experienced and qualified personnel to perform maintenance services cranes at your sites

Examples:



Mobile Cranes



Overhead Cranes



Tower Cranes



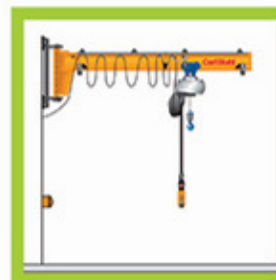
Crawler Cranes



Gantry Cranes



Jib Cranes



Slewing Jib Cranes



Construction Hoists



Building Maintenance
Cradles



Derrick Cranes



Deck Cranes

2. Inspection of Manual Lifting Equipment

These cover a wide range of equipment used for lifting and mobile equipment including attachments for anchoring, fixing or supporting that equipment which is operated solely by means of the operator without any powered assistance.

Examples:



Chain Hoists



Lever Hoists



Trolleys



Mechanical Jacks



Wire Rope Wrenches

3. Inspection of Lifting Accessories or Loose Gear

These cover the whole range of equipment used for attaching loads of lifting equipment

Examples:



Spreader Beams



Lifting clamps



Wire Rope Slings



Chain Slings



Synthetic Slings

Test Weights & Load Cell Rental

We offer the hire of calibrated test weights and load cells to clients throughout the KSA at competitive rates for on site load testing of cranes, plant and lifting equipment.

- Total stock of over 200 tons test weights
- Load cells from 5 tons to 200 tons.
- Individual calibrated test weights start at 20 kg up to 20 tonne weights
- Delivery throughout the KSA



BRANDS



the **Crosby** group



D | S | R



Gabaswire



CHUNG WOO

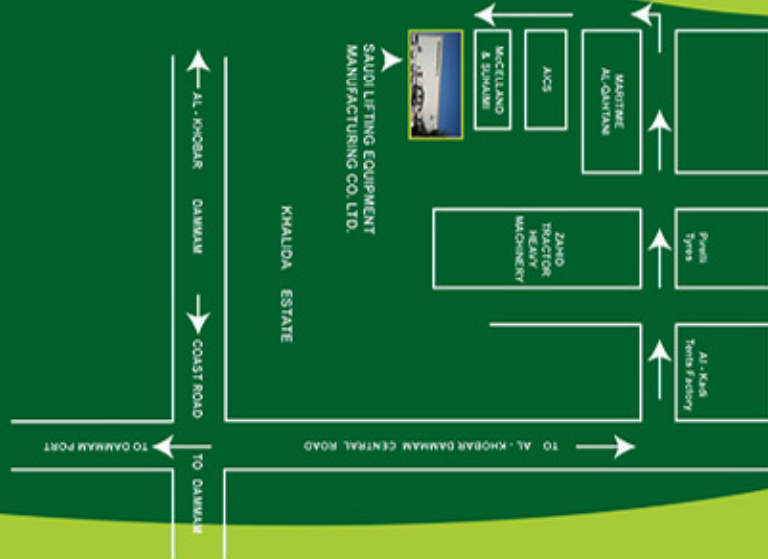


Brunton-Wolf
Wire Ropes FZCo.



BRIDON





سليمكو

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