



AN ISO 9001, ISO 14001 &  
OHSAS 18001  
CERTIFIED COMPANY



*Quality is  
Our Motto  
Service is  
Our Commitment*

- POLYESTER SLINGS
- LASHING & CHOKING ACCESSORIES
- CHAIN & CHAIN SLINGS
- WIRE ROPE & WIRE ROPE SLINGS
- LIFTING ACCESSORIES
- MATERIAL HANDLING EQUIPMENT
- FESTOONING SYSTEM (DSL BUS BAR, C-RAIL SYSTEM & CABLE CARRIER AND TROLLEYS)

Distributor :  
**SAMSON**<sup>®</sup>  
Polyester & Metallic Slings



# ABOUT US

## Company Profile

UTKAL ENGINEERS established in 2003, is an ISO 9001, ISO 14001 & OHSAS 18001 certified company.

We are a pioneer manufacturer, exporter & Supplier of Material handling & Lifting products.

Our core person's vast experience in the field of material handling & lifting for more than decades is the vital strength of the organization.

We have advance range of product suitable to handle the movement of product during production, distribution, consumption and logistics to increase the efficiency and reduce the man power thereby saving time & cost with safety.

## Our Vision & Mission

We put our entire resources at work to design, develop, discover, procure, test and serve to make sure that not just our client but the material handling industry of India grow profoundly and endure strongly the challenges coming from markets.



Our aim is to take material handling industry forward with unique, cost effective & customized solution for all type of lifting / lashing chocking and festooning equipments.

We are committed to quality & services. We offer our technical support / training to educate our valuable clients & actual users to use proper tackle suitable for application, timely inspection and maintenance of lifting / lashing equipment.

## Quality Policy

We are highly concern about quality and reliability of our product. Scope of innovation and evolution is always kept at our industrial research and quality wing. A streamlines production process of material handling equipment is followed to ensure that products delivered to the clients are up-to-date, efficient and high performing.

## POLYESTER SLINGS


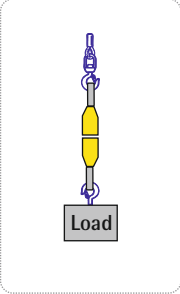
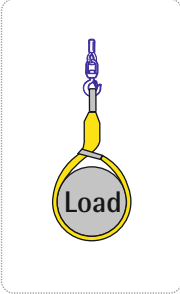
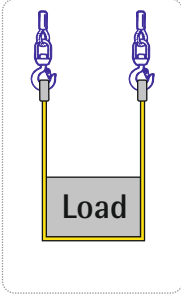
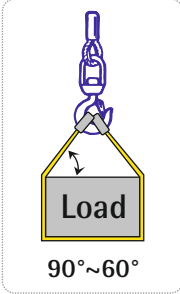
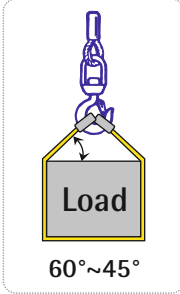
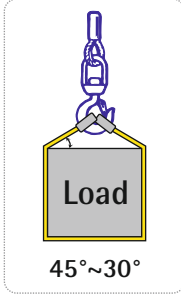







COLOUR CODE		POLYESTER WEBBING SLING				ROUND ENDLESS POLYESTER SLING		
		VERTICAL STRAIGHT LIFT	WIDTH	APPROX THICKNESS		VERTICAL STRAIGHT LIFT	APPROX WIDTH	APPROX THICKNESS
VIOLET		1000 KGS	25 MM	7 MM	1000 KGS	40 MM	6 MM	
GREEN		2000 KGS	50 MM	7 MM	2000 KGS	50 MM	7 MM	
YELLOW		3000 KGS	75 MM	7 MM	3000 KGS	60 MM	8 MM	
GREY		4000 KGS	100 MM	7 MM	4000 KGS	70 MM	9 MM	
RED		5000 KGS	125 MM	7 MM	5000 KGS	75 MM	11 MM	
BROWN		6000 KGS	150 MM	7 MM	6000 KGS	80 MM	12 MM	
BLUE		8000 KGS	200 MM	7 MM	8000 KGS	90 MM	13 MM	
ORANGE		10000 KGS	250 MM	7 MM	10000 KGS	100 MM	15 MM	
ORANGE		12000 KGS	300 MM	7 MM	12000 KGS	110 MM	16 MM	

- WEBBING & ROUND ENDLESS SLINGS ARE MANUFACTURED AS PER IS-15041-2001, BS EN 1492-1-2000
- WEBBING SLINGS UPTO 80 TONS & ROUND ENDLESS SLINGS UPTO 500 TONS AVAILABLE ON REQUEST

## HOW TO ORDER

- WEBBING SLINGS WITH EYE LOOPS
  - VERTICAL CAPACITY IN TON & EFFECTIVE LENGTH (LOOP TO LOOP IN MTRS)
- ROUND ENDLESS SLINGS
  - VERTICAL CAPACITY IN TON & CIRCUMFERENTIAL LENGTH OR EFFECTIVE LENGTH (HALF OF CIRCUMFERENTIAL LENGTH)

## LIFTING CAPACITY OF WEBBING & ROUND ENDLESS SLINGS IN DIFFERENT MODE OF APPLICATIONS

COLOR CODE	WLL (Ton)	WORKING LOAD LIMIT (W.LL)					
		VERTICAL	CHOKER	BASKET	SINGLE BASKET WITH ANGLE		
		M = 1.0	M = 0.8	M = 2.0	M = 1.7	M = 1.4	M = 1.0
	1						
	2	1	0.8	2	1.7	1.4	1
	3	2	1.6	4	3.4	2.8	2
	4	3	2.4	6	5.1	4.2	3
	5	4	3.2	8	6.8	5.6	4
	6	5	4.0	10	8.5	7.0	5
	8	6	4.8	12	10.2	8.4	6
	10	8	6.4	16	13.6	11.2	8
	10	10	8.0	20	17.0	14.0	10

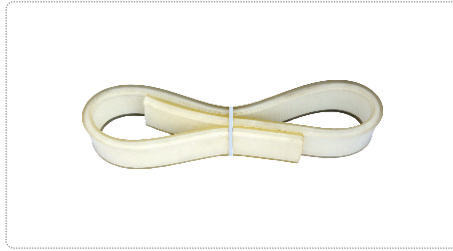
IF SWL = M



### ANTI ABRASSIVE SLEEVE



### ANTI CUTTING SLING



### SAFETY JACKET



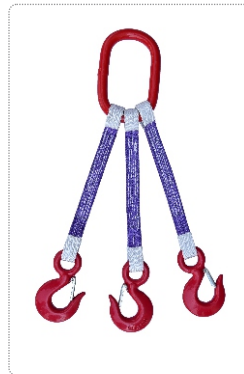
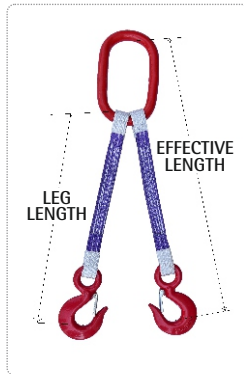
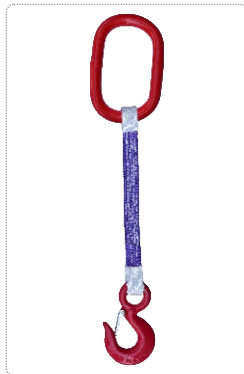
#### HOW TO ORDER

- CUT LENGTH AS PER REQUIREMENT OR FULL SLEEVE OR STITCHED OR CUT LENGTH STITCHED AT A SPECIFIC PLACE, SPECIFY WIDTH OF BELT FOR SAFETY JACKET

### MULTILEG SLINGS & ADJUSTABLE MULTILEG SLINGS

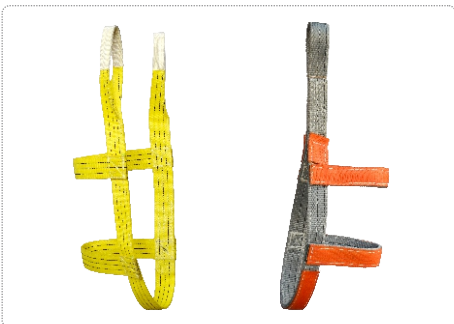
#### HOW TO ORDER

- TOTAL LOAD TO LIFT , EFFECTIVE LENGTH OR LEG LENGTH (AS SHOWN IN IMAGE)



#### SPECIAL PURPOSE SLINGS

### GLASS GUARD SLINGS



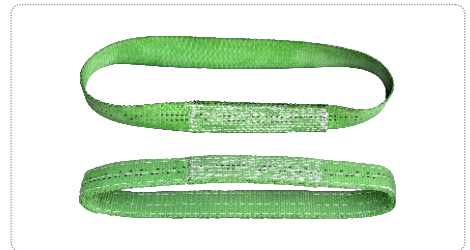
### EYE & EYE SLING



### PARALLEL LANE SLINGS



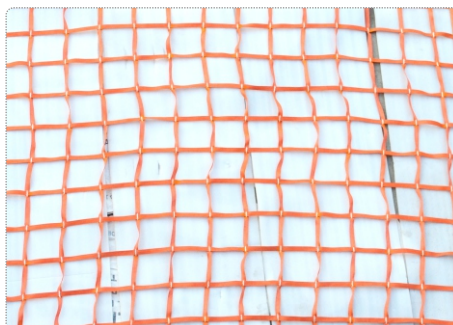
### FLAT ENDLESS SLING



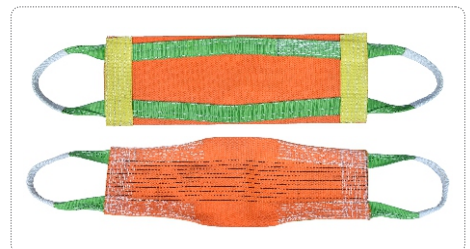
### LOWERING BELTS



### POLYESTER SAFETY NET



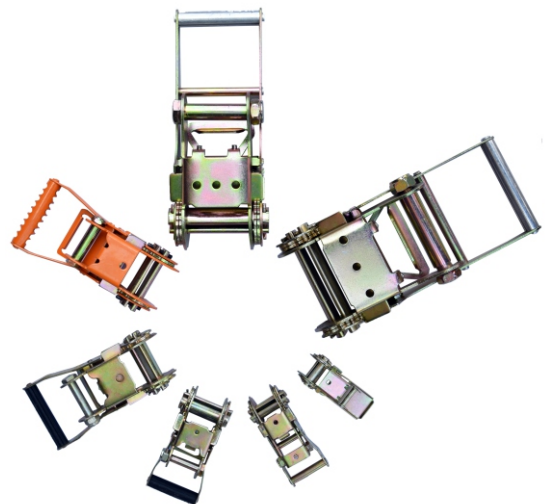
### ZOLLA SLINGS





## LASHING & CHOKING ACCESSORIES

ART No.	BREAKING LOAD (KGS)	WIDTH (mm)
UR 2502	2000	25
UR 3503	3000	35
UR 5003	3000	50
UR 5005	5000	50
UR 5006	6000	50
UR 7508	8000	75
UR 7510	10000	75
UR 10012	12000	100



**RATCHET DOUBLE PART (WITH HOOK)**



**RATCHET SINGLE PART (ENDLESS TYPE)**



**TYRE LASHING RATCHET**



**CAM BUCKLE**



Available Size : 25, 35, 50MM

**ONE WAY LASHING PLATE BUCKLE**



**ONE WAY LASHING ROD BUCKLE**



**DOUBLE J-HOOK WITH LATCH**



**TWISTED LASHING HOOK**



**RATCHET TENSIONER**



**CORD STRAP**



Available Size : 13, 16, 19, 25, 32MM

**CORD STRAP & CHIMTI BUCKLE**



Available Size : 13, 16, 19, 25, 32MM

**LASHING BATLA**



Available Size : 24, 30MM

**LOAD BINDER**



**TRUCK RATCHET**



**LASHING CHAIN**



**CONTAINER LOCK**



### HORIZONTAL PLATE LIFTING CLAMP

#### INDIAN

SWL	OPENING
2 TON IN PAIR	50 MM
3 TON IN PAIR	60 MM
5 TON IN PAIR	70 MM
10 TON IN PAIR	100 MM
15 TON IN PAIR	125 MM
20 TON IN PAIR	150 MM



### HORIZONTAL PLATE LIFTING CLAMP

#### IMPORTED

SWL	OPENING
2 TON IN PAIR	0-20 MM
3 TON IN PAIR	0-30 MM
5 TON IN PAIR	20-60 MM
10 TON IN PAIR	60-125 MM



### VERTICAL PLATE LIFTING CLAMP

#### INDIAN

SWL	REGULAR OPENING	HIGHER OPENING
1 TON	0-20 MM	20-36 MM
2 TON	0-25 MM	25-48 MM
3 TON	0-32 MM	32-62 MM
5 TON	5-40 MM	40-80 MM
7.5 TON	10-50 MM	50-95 MM
10 TON	15-65 MM	65-125 MM
10 TON		105-125 MM



### UNIVERSAL PLATE LIFTING CLAMP

#### IMPORTED

SWL	REGULAR OPENING
1 TON	0-16 MM
2 TON	0-22 MM
3 TON	5-30 MM
5 TON	16-50 MM
8 TON	40-80 MM
16 TON	60-100 MM



### PIPE LIFTING CLAMP

SWL	OPENING
2 TON IN PAIR	35 MM
3 TON IN PAIR	40 MM
5 TON IN PAIR	50 MM
10 TON IN PAIR	60 MM
15 TON IN PAIR	70 MM
20 TON IN PAIR	75 MM



RUBBER  
COATED

### BEAM CLAMP

SWL	BEAM WIDTH
1 TON	75-220 MM
2 TON	75-220 MM
3 TON	80-320 MM
5 TON	80-320 MM
10 TON	90-320 MM



### MARBLE / SLAB LIFTER CLAMP with Special Soft Moulded Rubber PAD for Better Gripping



LIFTER HOLE ID	100 MM
RUBBER THICKNESS	50 MM
RUBBER DIMN.	170X220 MM
MAKE : INDIAN	HEAVY DUTY

### MAGNETIC LIFTER

TYPE	LIFTING WEIGHT	MAX PULLING POWER
UE-PML-1	100	300
UE-PML-4	400	1200
UE-PML-6	600	1800
UE-PML-10	1000	3000
UE-PML-20	2000	6000



## CHAIN & CHAIN SLINGS

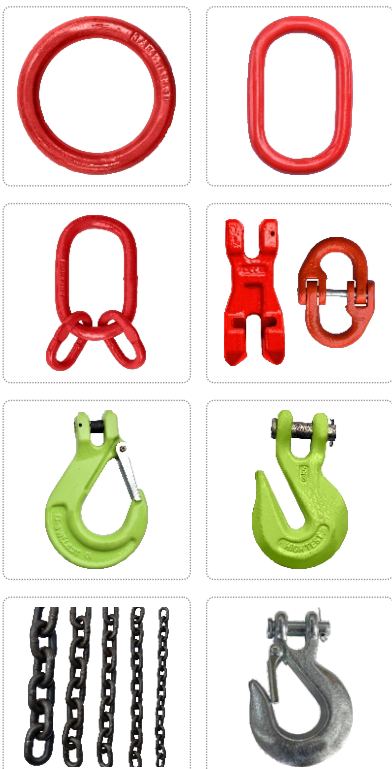


## GRADE 80 CHAIN SLING CHART

CHAIN SIZE	CHAIN CAPACITY GR-80	SINGLE LEG 0°	TWO LEG 0-90°	THREE LEG 0-90°	FOUR LEG 0-90°
6 MM	1 T	1 T	1.4 T	2.1 T	
8 MM	2 T	2 T	2.8 T	4.2 T	
10 MM	3 T	3 T	4.2 T	6.2 T	
12 MM	4.5 T	4.5 T	6.3 T	9.5 T	
16 MM	8 T	8 T	11.2 T	16.8 T	
18 MM	10 T	10 T	14 T	21 T	
20 MM	12.5 T	12.5 T	17.5 T	26.2 T	
22 MM	16 T	15 T	21 T	31.5 T	

HAND CHAIN OF ALL CHAIN PULLEY BLOCK (INDIAN / IMPORTED) AVAILABLE LASHING CHAIN 13 MM IN GR-40 & GR-80 MATERIAL AVAILABLE

## CHAIN ATTACHMENTS



## P.P ROPE & P.P ROPE SLINGS



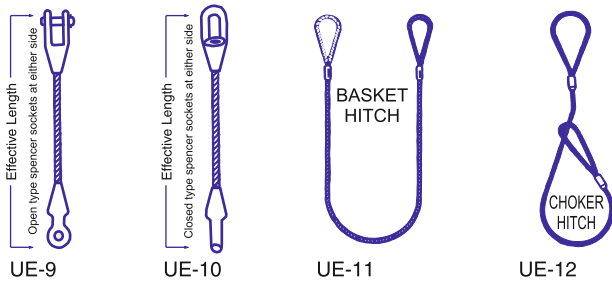
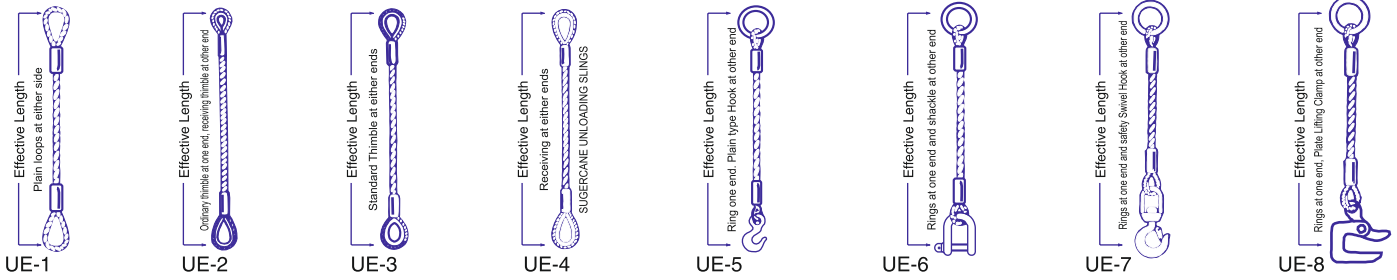
## SAFETY HARNESS BELT





# MECHANICAL SLINGS AS PER IS 5245 (PART II) 1971

## TYPE OF SINGLE PART SLINGS



## MULTIPLE LEG WIRE ROPE SLING



Max. Safe Working Load in kg for Single part Slings

Min. Rope See mm	Vertical Lift kg.	Basket Lift kg.	Choker Lift 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	9100	3450
25	5000	10000	3750
29	6500	13000	4875
32	8000	16000	6000

Permissible Working Load in kg for Multileg Rope Slings

Rope Dia (mm)	At 0°			At 90°	
	Single Leg	Double Leg	Triple & Four Leg	Double Leg	Triple & Four Leg
3	70	140	210	98	147
4	130	280	390	162	275
5	200	400	600	280	420
6	250	600	780	360	625
8	550	1100	1660	770	1155
9	670	1340	2010	935	1407
10	800	1600	2400	1120	1680
11	1000	2000	3200	1400	2100
12	1200	2400	3600	1680	2620
13	1400	2800	4200	1760	2840
14	1750	3600	5260	2450	3575
16	2000	4000	6400	2400	4200
18	2500	5000	7400	3500	6260
19	3000	6000	9600	4200	6300
20	3400	6800	10200	4760	7140
22	4000	8000	12000	5100	8400
24	4500	9800	13800	6440	9180
25	5000	10000	15000	7000	10600
29	6500	13000	19500	9100	13600
32	8000	16000	24000	11200	16800

## WEIGHT & BREAKING LOAD OF STEEL WIRE ROPE

As per Indian Standard Specification is 2266

DIA(MM)	MASS KG./100 MTR		MIN. BREAKING		MIN. BREAKING		MASS KG./100 MTR		MIN. BREAKING	
	6X19 & 6X37		LOAD-KN 6X19		LOAD-KN 6X37		6X36		LOAD-KN 6X36	
	FMC	IWRC	FMC	IWRC	FMC	IWRC	FMC	IWRC	FMC	IWRC
6	12.5	13.7	20	21	21	23				51
8	22.1	24.4	35	37.8	33	36				63
9	28	30.8	44	47.5	42	46	30.8	33.9	47	76
10	34.6	381	54	58.3	52	56	38	41.8	58	92
11	41.9	46.1	66	71.3	63	68	46	50.6	71	106
12	49.8	54.8	78	84.2	75	81	54.7	60.2	84	124
13	58.5	64.4	92	89.4	88	96	64.3	70.7	99	142
14	67.8	74.6	107	116	102	110	74.5	82	114	161
15	77.8	85.6	122	132	117	127	85.5	94	131	204
16	88.6	97.4	138	150	134	144	97.3	107	149	228
18	112	123	176	190	169	183	123	135	189	252
19	125	137	196	212	188	203	137	151	211	305
20	138	152	218	235	209	225	152	167	234	363
22	167	184	263	284	253	273	184	202	283	394
24	199	219	313	338	301	325	219	241	336	426
25	216	238	340	367	326	352	238	261	365	484
26	234	257	368	397	353	381	257	283	395	567
28	271	298	426	461	409	442	298	328	458	646
30	312	343	490	529	470	507	342	376	526	729
32	354	390	557	602	534	577	389	428	598	772

Bulldog Grip/  
Forged Clamp



Indian

Bulldog Grip/  
Forged Clamp



CRB Type

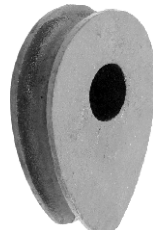
Thimble



Wedge Socket



Solid Thimble



Ferrule



Spelter Socket



PVC Coated Wire Rope

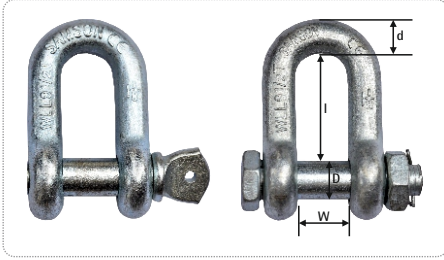


Available Size : 2 x 4, 3 x 5, 4 x 6, 6 x 8, 8 x 10, 10 x 12

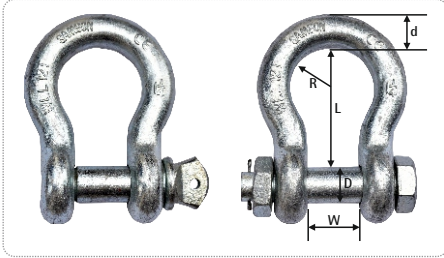
Safety Sling (Whip Check)



## DEE-SHACKLE



## BOW-SHACKLE



SWL	BODY DIA (d)	PIN DIA (D)	JAW WIDTH (W)	D-SHACKLE INSIDE LENGTH (I)	BOW RADIUS (R)	BOW SHACKLE INSIDE LENGTH (L)
1 TON	10	12	18	40	31	45
2 TON	12	16	22	49	37	55
3.2 TON	16	19	25	55	42	63
4.75 TON	19	22	32	70	54	80
6.5 TON	22	25	34	79	61	90
8.5 TON	24	29	40	88	68	100
9.5 TON	27	32	45	99	76	110
12 TON	30	35	50	110	85	125
13.5 TON	34	38	56	124	95	140
17 TON	38	44	63	139	105	155
25 TON	43	50	70	154	120	175
35 TON	48	56	80	176	135	200
55 TON	60	70	100	220	170	270

## EYE BOLT ORIGINAL AND TECHNICAL IMAGE

EYE BOLT		HIGH TENSILE SWL	MILD STEEL SWL	SWIVEL HOIST RING SWL	ROTATING EYE BOLT SWL
SIZE	PITCH				
M 8	1.25	160	85	-	300
M 10	1.5	250	150	-	450
M 12	1.75	400	220	1000	500
M 16	2.0	630	380	1500	1200
M 20	2.5	1000	570	2000	2000
M 24	3.0	1600	1050	4000	3150
M 30	3.5	2500	1700	6000	5300
M 36	4.0	4000	2500	10000	-
M 42	4.5	6300	3400	12500	-
M 48	5.0	8000	5200	16000	12000
M 56	5.5	10000	8500	17000	-
M 64	6.0	16000	8700	18000	-
M 72	6.0	20000	13000	-	-

### Galvanised Eye Bolt



### Long Stud Eye Bolt (Customised)



### Galvanised Eye Nut



### MS Black Eye Bolt



### Swivel Hoist Ring (Heavy)



### Swivel Hoist Ring (Standard)



### Rotating Eye Bolt



### Glend Eye Bolt



### Swivel Eye





## TURN BUCKLE

SIZE	BODY	SWL
M-10	160 MM	300 KGS
M-12	200 MM	450 KGS
M-16	250 MM	700 KGS
M-20	315 MM	1150 KGS
M-22	355 MM	1650 KGS
M-24	400 MM	2000 KGS
M-30	450 MM	3200 KGS
M-36	450 MM	4500 KGS
M-39	450 MM	5000 KGS
M-52	450 MM	10000 KGS
M-56	450 MM	15000 KGS
M-62	450 MM	20000 KGS

## TURN BUCKLE



UE-37

UE-38

## BOTTLE SCREW

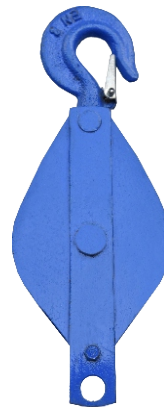


UE-39

UE-40

## WIRE ROPE PULLEY

ROPE DIA	SINGLE SWL	DOUBLE SWL	TRIPLE SWL
3/8"	1000	2000	3000
1/2"	1500	3000	5000
5/8"	2500	5000	7000
3/4"	3000	6000	9000
1"	5000	10000	15000
1 1/8"	7500	15000	20000
1 1/4"	10000	20000	30000



## SNATCH BLOCK



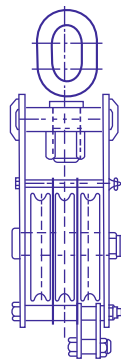
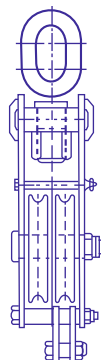
## GIN PULLEY



## MANILA ROPE PULLEY

ROPE DIA	SINGLE SWL	DOUBLE SWL	TRIPLE SWL
1/2"	100	150	250
5/8"	150	200	300
3/4"	200	400	500
1"	500	1000	1500
1 1/4"	600	1500	2000
1 1/2"	1000	2000	2500

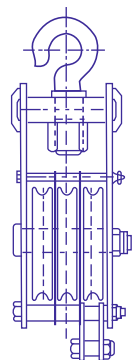
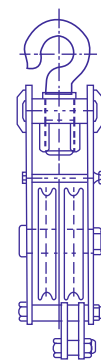
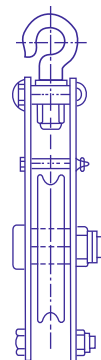
## WIRE ROPE PULLEY BLOCKS



UE-32

UE-33

## MANILA ROPE PULLEY BLOCKS



UE-34

UE-35

UE-36

# HOISTING AND ACCESSORY

## Chain Pulley Block

Cap : 1 Ton to 10 Ton up to 15mtr Height



## Ratchet Lever Hoist

Cap : 0.75, 1.5, 3, 6 Ton



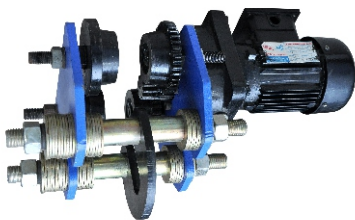
## Chain Hoist

Cap : 0.5, 1, 2, 3, 5, 7.5 & 10 Ton



## Motorized Trolley

Cap : 0.5, 1, 2, 3, 5 Ton



## Crane Scale

Cap : 1, 2, 3, 5, 7, 10, 15, 20, 25, 30, 40 Ton



## Wire Rope Hoist

Cap : 1, 2, 3, 5, 10 Ton



## Bottom Hook Assembly

Four Sheeve



## Bottom Hook Assembly

Two Sheeve



## Builder Hoist

Cap : 250kg / 500kg & 500kg / 1000kg



## Builder Hoist with Motorized Trolley

Cap : 250kg / 500kg & 500kg / 1000kg



## Gear Trolley

Cap : 1, 2, 3, 5, 10 Ton



## Pushpull Trolley

Cap : 0.5, 1, 2 Ton



## Mobilift

Cap : 450kg full load



## LIFTING TACKLES

Self Locking Eye Hook



Swivel Self Locking Eye Hook



Swivel Eye Hook



Eye Hook



Clevis Eye Hook



Clevis Grab Hook



Foundry Hook



Crane Scale Swivel Hook



AS Shank Hook



MS Shank Hook



Weldon Ring



D-screw Ring



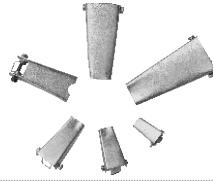
Carrabiner



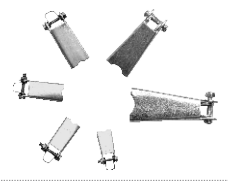
Scaffolding Hook



MS Shank Hook Safety Latch



Alloy Steel Eye Hook Safety Latch

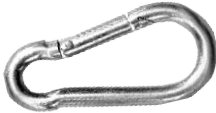


## SS ROPE, CHAIN AND FITINGS

SS Thimble



SS Snap Hook with out Eye Let



SS Snap Hook with Eye Let



SS Snap Hook with Screw



SS Wire Rope Clip



SS Bow-Shackle



SS D-Shackle



SS Wire Rope



SS Chain



SS Turn Buckle

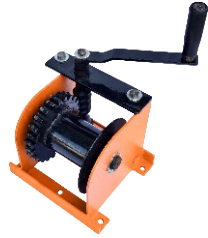


## PULLING LIFTING EQUIPMENTS

Hand Winch Indian



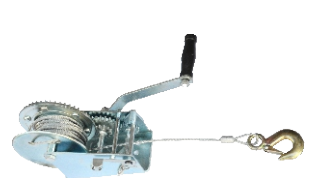
Hand Winch Powder Coated



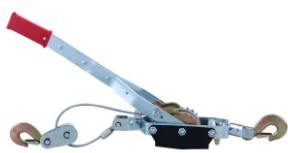
Poultry Winch Imported



Poultry Winch With Rope



Ratchet Puller



Pulling Lifting Machine



Motorised Winch



Barrel Lifter





**PUSH BUTTON STATION EASY ASSEMBLY**

**Crane Radio Remote**



Model No.  
UE-CRR

**Unbreakable Body**



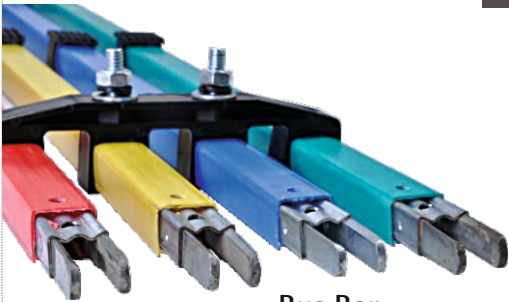
Model No.  
PBS - UB  
Up to Seven + E Stop

**Plastic Body**



Model No.  
PBS - PB  
Up to Eight Way

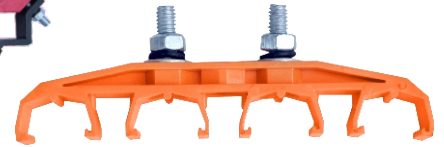
**DSL SYSTEM AND ACCESSORIES**



**Bus Bar**



**Current Collector**



**Unbreakable Four Pole Hanger**

**C - RAIL SYSTEM**



**C - RAILS & ACCESSORIES (Material : Galvanized Steel)**



**C - Rail**



**Track Coupler**



**End Clamp**



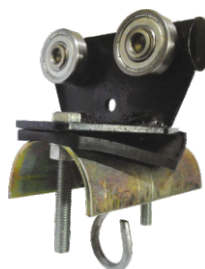
**Hanger Clamp**



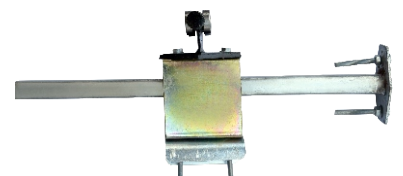
**Starting Trolley**



**Cable Trolley**



**Pendant Trolley**



**Traveling Trolley**

## ELECTRICAL HOIST CRANE CABLE CARRIER EASY ASSEMBLY



**Model No.  
CE - 01**  
Cable Clamping Dia :  
07 mm to 14 mm



**Model No.  
CE - 02**  
Cable Clamping Dia :  
16 mm to 20 mm



**Model No.  
CE - 03**  
Cable Clamping Dia :  
Single Cable Flat  
16 mm to 35 mm



**Model No.  
CE - 04**  
Cable Clamping Dia :  
Two Cable Flat  
16 mm to 35 mm



**Model No.  
CE - 05**  
Cable  
Clamping Dia :  
25 mm



**Model No.  
CE - 06**  
Cable  
Clamping Dia :  
38 mm



**Model No.  
CE - 07**  
Cable  
Clamping Dia :  
11 mm to 25 mm

### ALL ABOVE ITEM AVAILABLE WITH BIG



**Model No.  
CE - 14**  
Cable  
Clamping Dia :  
11 mm to 25 mm



**Model No.  
CE - 40**



**Model No.  
CE - 19**  
Cable  
Clamping Dia :  
25 mm



**Model No.  
CE - 22**  
Cable  
Clamping Dia :  
Multi Cable



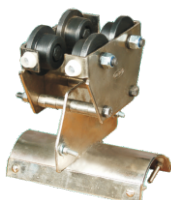
**Model No.  
CE - 26**  
Cable Clamping Dia:  
Multi Cable  
Flat Cable



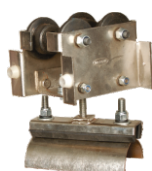
**Model No.  
CE - 27**  
Cable  
Clamping Dia:  
Multi Cable Flat Cable



**Model No.  
CE - 28**  
Two Wheel  
Cable  
Clamping Dia:  
Multi Cable



**Model No.  
CE - 30**  
Four Wheel  
(Adjustable)  
Cable Clamping Dia :  
Multi Cable



**Model No.  
CE - 31**  
Four Wheel  
Cable Clamping Dia :  
38mm to 75mm  
(Round - Flat Cable)



**Model No.  
CE - 32**  
Heavy Metal  
Trolley Cable  
Clamping Dia :  
Multi Cable



**Model No.  
CE - 33**  
Unbreakable Plastic  
Four Wheel Heavy Trolley  
Cable Clamping Dia :  
Multi Cable / Flat Cable



**Model No. :  
CE - 34**  
Metal Trolley  
Cable Clamping Dia :  
10mm to 20mm

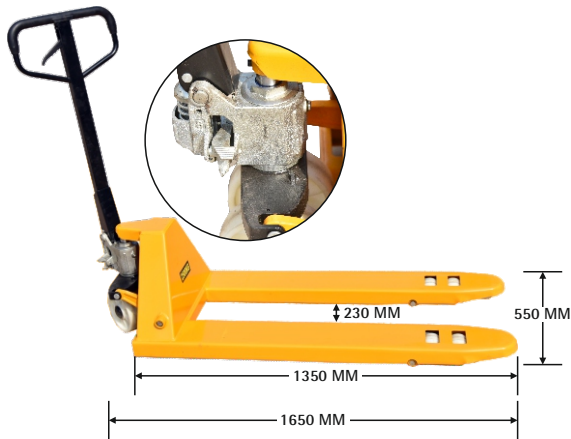


**Model No. :  
CE - 35**  
Metal Trolley  
Double Decker  
Cable Clamping Dia :  
Multi Purpose



**Model No. :  
CE - 36**

## MATERIAL HANDLING EQUIPMENT



**Hydraulic Hand Pallet Truck**  
Cap.: 2, 2.5, 3 Ton  
Size : 1150 x 550, 1220 x 685 (mm)



**Drum Lifter**  
Cap. : 300 Kgs  
Lifting ht : 200 mm



**Scissor Lifting Trolley**  
Cap.: 800 Kgs  
Lifting ht : upto 1600 mm



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