



TUFF WEBLIFT

Pundol Apartments, Shop No. 5 & 6, 160 M.G. Road, Pune - 411001. (India)
 Tel. : +91 - 20 - 6708 8100 Fax : +91 - 20 - 6708 8101
 Email : sales@safelifters.com Website : www.safelifters.com

DUPLEX WEB SLING CHART

ENDLESS TYPE



EYE & EYE TYPE



Confirms to EN-1492-1 Standards.

S.W.L Item Code	S.W.L Width	S.W.L Colour	S.W.L Vertical	S.W.L Basket	Breaking Choker	CAPACITY		Load
KgsKgs	MM Kgs	Kgs	M * = 1 Kgs	M = 2 Kgs	M = 0.8	45 Deg M = 1.8	90 Deg M = 1.4	
TDS-1000	25	VIOLET	1000	2000	800	1800	1400	7000
TDS-2000	50	GREEN	2000	4000	1600	3600	2800	14000
TDS-3000	75	YELLOW	3000	6000	2400	5400	4200	21000
TDS-4000	100	GREY	4000	8000	3200	7200	5600	28000
TDS-5000	125	RED	5000	10000	4000	9000	7000	35000
TDS-6000	150	BROWN	6000	12000	4800	10800	8400	42000
TDS-8000	200	BLUE	8000	16000	6400	14400	11200	56000
TDS-10000	250	ORANGE	10000	20000	8000	18000	14000	70000
TDS-12000	300	ORANGE	12000	24000	9600	21600	16800	84000





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SIMPLEX WEB SLING CHART

EYE & EYE TYPE



ENDLESS TYPE



Confirms to EN-1492-1 Standards.

Item Code	Width	Colour	CAPACITY					Breaking Load
			S.W.L Vertical	S.W.L Basket	S.W.L Choker	S.W.L 45 Deg	S.W.L 90 Deg	
	MM		 M * = 1	 M = 2	 M = 0.8	 M = 1.8	 M = 1.4	
			Kgs	Kgs	Kgs	Kgs	Kgs	Kgs
TSS-500	25	VIOLET	500	1000	400	900	700	3500
TSS-1000	50	GREEN	1000	2000	800	1800	1400	7000
TSS-1500	75	YELLOW	1500	3000	1200	2700	2100	10500
TSS-2000	100	GREY	2000	4000	1600	3600	2800	14000
TSS-2500	125	RED	2500	5000	2000	4500	3500	17500
TSS-3000	150	BROWN	3000	6000	2400	5400	4200	21000
TSS-4000	200	BLUE	4000	8000	3200	7200	5600	28000
TSS-5000	250	ORANGE	5000	10000	4000	9000	7000	35000





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TRIPLEX WEB SLING CHART

Confirms to EN-1492-1 Standards.

Item Code	Width	Colour	CAPACITY					Breaking Load
			S.W.L Vertical	S.W.L Basket	S.W.L Choker	S.W.L 45 Deg	S.W.L 90 Deg	
	MM							
			M * = 1	M = 2	M = 0.8	M = 1.8	M = 1.4	
			Kgs	Kgs	Kgs	Kgs	Kgs	Kg
TTS-1500	25	VIOLET	1500	3000	1200	2700	2100	10500
TTS-3000	50	GREEN	3000	6000	2400	5400	4200	21000
TTS-4500	75	YELLOW	4500	9000	3600	8100	6300	31500
TTS-6000	100	GREY	6000	12000	4800	10800	8400	42000
TTS-7500	125	RED	7500	15000	6000	13500	10500	52500
TTS-9000	150	BROWN	9000	18000	7200	16200	12600	63000
TTS-12000	200	BLUE	12000	24000	9600	21600	16800	84000
TTS-15000	250	ORANGE	15000	30000	12000	27000	21000	105000

QUADRAPLEX WEB SLING CHART

Confirms to EN-1492-1 Standards.

Item Code	Width	Colour	CAPACITY					Breaking Load
			S.W.L Vertical	S.W.L Basket	S.W.L Choker	S.W.L 45 Deg	S.W.L 90 Deg	
	MM							
			M * = 1	M = 2	M = 0.8	M = 1.8	M = 1.4	
			Kgs	Kgs	Kgs	Kgs	Kgs	Kgs
TQS-2000	25	VIOLET	2000	4000	1600	3600	2800	14000
TQS-4000	50	GREEN	4000	8000	3200	7200	5600	28000
TQS-6000	75	YELLOW	6000	12000	4800	10800	8400	42000
TQS-8000	100	GREY	8000	16000	6400	14400	11200	56000
TQS-10000	125	RED	10000	20000	8000	18000	14000	70000
TQS-12000	150	BROWN	12000	24000	9600	21600	16800	84000
TQS-16000	200	BLUE	16000	32000	12800	28800	22400	112000
TQS-20000	250	ORANGE	20000	40000	16000	36000	28000	140000
TQS-24000	300	ORANGE	24000	48000	19200	43200	33600	168000





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TUFF HEAVY DUTY ROUND ENDLESS SLING



STANDARD ROUND SLING



EYE TYPE ROUND SLING

*M = Mode Factor		Capacity					Guaranteed Breaking Load	Color
Item Code	Avg Dia	SWL	SWL	SWL	SWL	SWL		
		Vertical	Basket	Choker	0 - 45 Deg	45 - 60 Deg		
	MM	M * = 1	M = 2	M = 0.8	M = 1.8	M = 1.4		
		Kg	Kg	Kg	Kg	Kg	Kg	
TRS 500	15	500	1000	400	900	700	3500	
TRS 1000	18	1000	2000	800	1800	1400	7000	
TRS 2000	20	2000	4000	1600	3600	2800	14000	
TRS 3000	22	3000	6000	2400	5400	4200	21000	
TRS 4000	25	4000	8000	3200	7200	5600	28000	
TRS 5000	27	5000	10000	4000	9000	7000	35000	
TRS 6000	32	6000	12000	4800	10800	8400	42000	
TRS 8000	38	8000	16000	6400	14400	11200	56000	
TRS 10000	46	10000	20000	8000	18000	14000	70000	
TRS 12000	58	12000	24000	9600	21600	16800	84000	
TRS 15000	70	15000	30000	12000	27000	21000	105000	
TRS 20000	78	20000	40000	16000	36000	28000	140000	
TRS 25000	90	25000	50000	20000	45000	35000	175000	
TRS 30000	100	30000	60000	24000	54000	42000	210000	
TRS 36000	114	36000	72000	28800	64800	50400	252000	
TRS 40000	125	40000	80000	32000	72000	56000	280000	
TRS 50000	180	50000	100000	40000	90000	70000	350000	
TRS 75000	200	75000	150000	60000	135000	105000	525000	
TRS 100000	250	100000	200000	80000	180000	140000	700000	

Specifications given are indicative and are subject to change

Confirms to EN-1492-2 Standards.





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TUFF MULTI - LEG POLYESTER SLING



Capacity shown in the table are for slings used at 90 Degree Angle. Slings if used at a lower angle of 30 Degree or 60 Degree will have a higher lifting capacity.

Item Code	Width	Colour	CAPACITY			
			S.W.L 1 Leg	S.W.L 2 Leg	S.W.L 3 Leg	S.W.L 4 Leg
	MM		0 Deg	90 Deg	90 Deg	90 Deg
			Kgs	Kgs	Kgs	Kgs
TMS-25	25	VIOLET	1000	1430	2100	2100
TMS-50	50	GREEN	2000	2850	4200	4200
TMS-75	75	YELLOW	3000	4300	6300	6300
TMS-100	100	GREY	4000	5700	8400	8400
TMS-125	125	RED	5000	7150	10500	10500
TMS-150	150	BROWN	6000	8570	12630	12630
TMS-200	200	BLUE	8000	11400	16850	16850
TMS-250	250	ORANGE	10000	14300	21000	21000



END FITTINGS FOR TUFF WEB AND ROUND



OVAL RING

SELF LOCKING HOOK

EYE HOOK

SWIVEL HOOK

WEB SLING CONNECTOR



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TUFF HEAVY DUTY ANTI - ABRASIVE SLEEVES



Tuff Regular Abrasive Sleeve (AS01)

An extra layer of material is sewn at the wear points on either or both sides of the sling body or eye. Multiple layers are also available on request.



Tuff Sliding Abrasive Sleeve (AS02)

Protects both sides of the slings body, and you can easily slide it across the sling. It remains stationary as the sling stretches while the load is lifted.



Tuff Edge Protection Abrasive Sleeve (AS03).

Pads are sewn along the edge of the sling body to offer extra protection at a critical wear area.



Tuff Stitched Abrasive Sleeve (AS04)

Similar to the Sliding Sleeve, but is stitched onto the sling body to protect the edge as well as the lifting surface.

TUFF POLYURETHENE ANTI-CUTTING SLEEVE



Item Code	Width (mm)	Outer Dia	Inner Dia	Approx Thickness	Length (mtr)
PS07-25	25	45	35	20 mm	1.0
PS07-50	50	70	60	20 mm	1.0
PS07-75	75	95	85	20 mm	1.0
PS07-100	100	120	110	20 mm	1.0
PS07-125	125	145	135	20 mm	1.0
PS07-150	150	170	160	20 mm	1.0
PS07-200	200	220	210	20 mm	1.0
PS07-250	250	270	260	20 mm	1.0
PS07-300	300	300	310	20 mm	1.0



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IDENTIFYING WEAR AND ABUSE OF SLING

These are some of the most common types of web sling damage caused by abuse and misuse. When you see any of these problems during your regular inspection, stop. Replace the sling immediately because the damage is done. Never attempt to mend the sling yourself and, more so, never attempt to lift with these slings.

Whether a sling is damaged from improper use or normal wear, the same rule applies in all cases: always cut the sling eyes and discard the sling right away when you see damage. Only with properly working slings can you take a load off your mind.



Tensile break

The distinguishing sign of a tensile break is a frayed appearance close to the point of failure or damage. This usually happens when a sling is loaded beyond its existing strength. The photo shows an example of a sling pulled to destruction on a testing machine. You can avoid tensile breaks by never overloading your sling.



Cut

You can easily see a cut in your sling when you see a clean break in the webbing structure or fibers. This usually results when a sling contacts a sharp object or unprotected edge of a load. This can

happen anywhere on the sling body or eyes. Many slings feature Red Guard warning yarns to alert you of serious cuts. One way you can avoid cuts from contacting sharp corners is to use wear pads on the sling to protect the fabric. See page 7 for details.



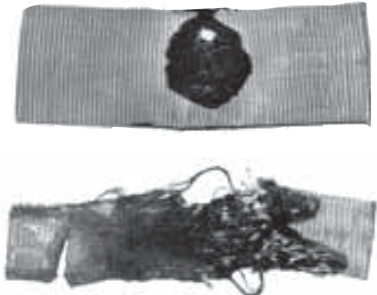
Cut and tensile damage

A good example is the photo shown here. It shows what can happen when you use a sling that's already been cut by a sharp object along one edge of the sling body. The cut dramatically reduces lifting capacity, and continued use will ultimately lead to sling failure, usually at a load far below the sling's rated capacity. The solution, obviously, is to never use a sling after it's been cut.



Abrasion damage

Anytime you see frayed fibers on the surface exposing the "picks," or cross fibers, of the webbing that hold the load-bearing (lengthwise) fibers in place, it's abrasion damage. The most common abrasion damage occurs either when the sling slips while in contact with a load during a lift or when the sling is pulled from under a load. We recommend that slings with any damage to load bearing fibers be discarded. Wear pads are one way to avoid this damage.



Acid damage

It's true nylon and polyester webbing are stable when exposed to many common chemicals, but they should never be exposed to any strong acids or corrosive liquids whenever possible. The same is true for metal fittings on slings.

Example 1 (top photo). This is what happens when sulfuric acid, like car battery acid, is heated to the boiling point and dropped on polyester webbing. The charring on the surface fibers deteriorates the sling and will continue to get worse, severely affecting the webbing strength.

Example 2 (bottom photo). This is what happens when polyester webbing is immersed in sulfuric acid at room temperature for three weeks, resulting in major damage. Note the fibers are softened and swollen, and the entire fabric is grossly distorted, virtually destroying the webbing. You can help prevent this damage by never storing slings in areas where they may be exposed to acid or acid fumes, which are as destructive as liquid.



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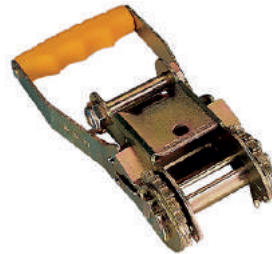
TUFF RATCHET LASHING



Patent Model
25 MM / 2000 KGS



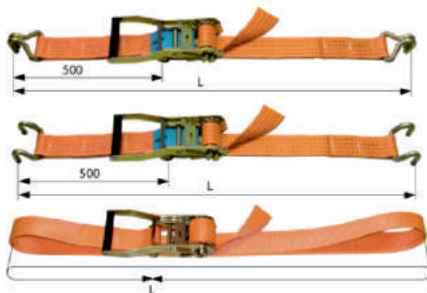
35 MM / 3000 KGS



Patent Model
50 MM / 5000 KGS



75 MM / 10000 KGS



HOW TO ORDER YOUR RATCHET

1. CAPACITY
2. WIDTH OF BELT
3. LENGTH OF RATCHET (L)
4. TYPE OF END FITTING



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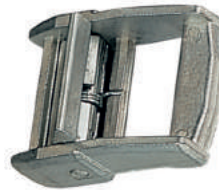
TUFF CAMBUCKLE LASHING



25 MM



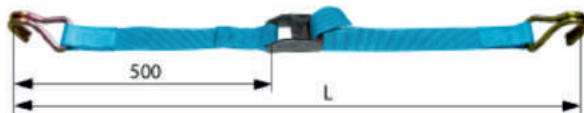
25 MM



35 MM



50 MM



TUFF WEB WINCHES



WELD ON WINCH



SLIDE ON WINCH



PORTABLE WINCH



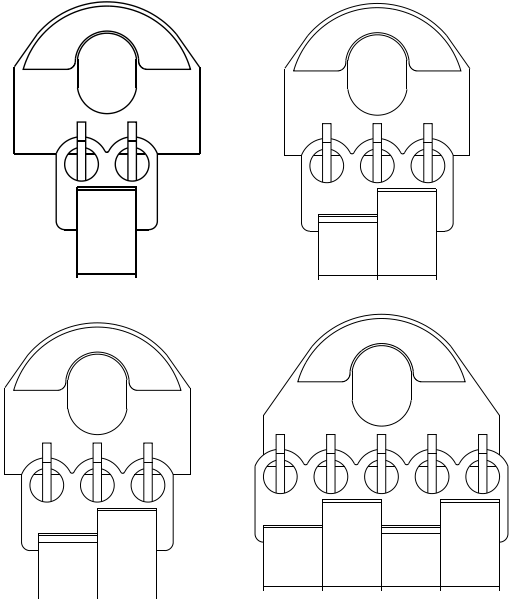
LASHING WINCH



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TUFF PIPE LOWERING BELT



- Manufactured from duplex polyester webbing slings joined together to be used with heavy duty steel terminals
- High load capacity for lowering pipes
- High safety, low elasticity and resistant to ultra-violet rays
- Simple on-site belt replacement in minutes with advanced terminal design
- Economical in use due to long working life

ITEM CODE	NOMINAL PIPE SIZE INCHES	HOLES PER STRIP	WIDTH MM	LENGTH MTR.	HOOKS PER SIDE	S.W.L FS 5:1 kgs.
TPLB 12	12	2	300	145	2	12000
TPLB 18	18	4	450	210	4	20000
TPLB 24	24	5	600	270	5	25000
TPLB 30	30	6	750	335	6	32000
TPLB 36	36	7	900	380	7	38000
TPLB 42	42	8	1050	421	8	45000

Factor of safety for webbing 1:7 and for steel terminals 1:4



FLAT SLING USED IN CHOKER



ROUND SLING USED IN CHOKER



**WARNING**

DO NOT EXCEED WORKING LOAD LIMIT.

USE ONLY G80 & G100 COMPATIBLE COMPONENTS FOR OVERHEAD LIFTING.



Steel Line Choker Belt



- Aligns pipe exactly without slippage for bending, welding, etc.
- Roll pipe, pull pipe, secure extreme bends-all without damage
- Fastest tool available for positioning and handling pipe
- Fully adjustable for coating thickness
- Used around the world on pipe up to 60"

Item Code	Max. Pipe Diameter		Belt Width		Approx Weight		Capacity
	inches	mm	inches	mm	lbs.	kg	kg
SLCB- 10	10"	254	8"	203	50	23	3,447
SLCB- 12	12"	305	8"	203	93	42	3,447
SLCB- 14	14"	356	8"	203	109	49	3,447
SLCB- 16	16"	406	8"	203	115	52	3,447
SLCB- 18	18"	457	8"	203	120	54	3,447
SLCB- 20	20"	508	8"	203	125	57	3,447
SLCB- 24	24"	607	8"	203	158	60	7,620
SLCB- 26	26"	660	8"	203	137	62	7,620
SLCB- 28	28"	711	8"	203	140	64	7,620
SLCB- 30	30"	762	8"	203	142	64	7,620
SLCB- 36	36"	660	8"	203	160	73	7,620
SLCB- 40	40"	1016	8"	203	190	86	9,707
SLCB- 42	42"	1067	8"	203	200	91	9,707
SLCB- 48	48"	1219	8"	203	210	95	9,707
SLCB- 56	56"	1422	8"	203	225	102	12,338
SLCB- 60	60"	1524	8"	203	235	107	12,338

5 to 1 design factor standard

Higher capacities available on special request

⚠ WARNING
DO NOT EXCEED WORKING LOAD LIMIT.
USE ONLY G80 & G100 COMPATIBLE COMPONENTS FOR OVERHEAD LIFTING.



Safe Lifters^{ESTD.1986}

DEALERS IN LIFTING EQUIPMENTS

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Combination Slings

Wire Rope + Chain + Polyester



Contact us for more Information