

**NYLON WEB SLING vs POLYESTER WEB SLING**

**NYLON WEB SLING**

- 10% stretch at full load
- More bouncing effect when material lifted
- Not suitable with acid/ bleaching chemicals

**POLYESTER WEB SLING**

- 7% stretch at full load
- Less bouncing effect when material lifted
- Not suitable with aldehydes/ esters chemicals

**HOW TO IDENTIFY THE CAPACITY OF WEB SLING**

See between eye flap of the web sling to find TAG

**Method-1**  
(Read info on TAG)



**Method-2**  
(Colour of sling material)



**1 T Violet**



**2 T Green**



**3 T Yellow**



**4 T Grey**



**5 T Red**



**6 T Brown**



**8 T Blue**



**+10 T Orange**

**Method-3**  
(No of black thread stitching line)



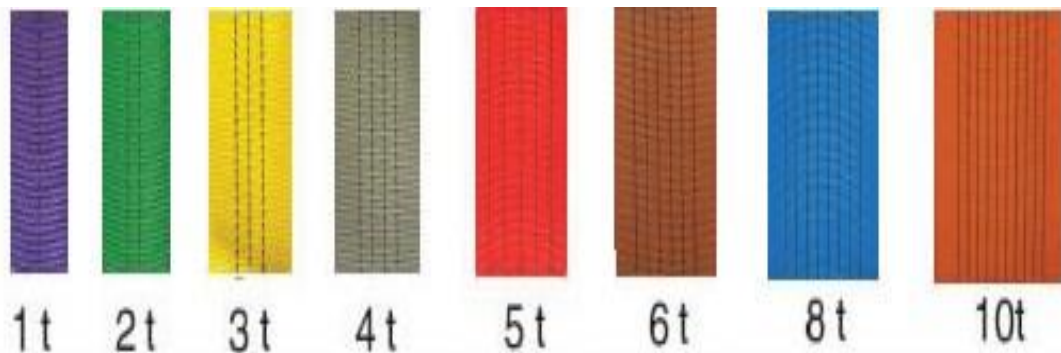
5 black lines = 5 T







3 black lines = 3 T



2 black lines = 2 T

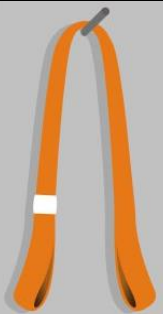


**CAPACITY VARIES ACCORDING TO THE METHOD OF TIE LOAD**

Sling Lifting Configurations	Straight Lift $L = 1$	Choked Lift $L = 0.8$	Basket hitch and 2, 3 & 4 leg slings			
			Parallel $L = 2$	$\beta = 60^\circ$ $L = 1.73$	$\beta = 90^\circ$ $L = 1.41$	$\beta = 120^\circ$ $L = 1$
Sling Colour as per Australian Standards						
<b>Violet</b>	1.0	0.8	2.0	1.7	1.4	1.0
<b>Green</b>	2.0	1.6	4.0	3.4	2.8	2.0
<b>Yellow</b>	3.0	2.4	6.0	5.1	4.2	3.0
<b>Grey</b>	4.0	3.2	8.0	6.9	5.6	4.0
<b>Red</b>	5.0	4.0	10.0	8.6	7.0	5.0
<b>Brown</b>	6.0	4.8	12.0	10.3	8.4	6.0
<b>Blue</b>	8.0	6.4	16.0	13.8	11.2	8.0
<b>Orange</b>	10.0	8.0	20.0	17.3	14.1	10.0
<b>Orange</b>	12.0	9.6	24.0	20.7	16.9	12.0

**METHOD OF STORAGE**

Store **Synthetic Slings** in a clean, dry & well ventilated place



Never store on the ground/ floor



Never store in direct sunlight/ UV light



Never store near to chemicals


















Never store near to machine

**SLING USAGE PROCEDURE**

- Determine the load to be lifted.
- Select correct sling suitable to the load and work environment.
- Inspect sling before put in use to ensure no visible damage.
- Never overload the sling (excess weight than capacity of sling).
- Determine the centre of gravity of the load to be lifted.
- Tie the sling correctly with load using correct hook/ D-shackle.
- Put the sling back to store (hanging) after use.
- Never throw the sling on abrasive/ shaft edge surface
- Remove damaged sling immediately from the work place (see next).

**VISIBLE DAMAGE (REMOVE IMMEDIATELY)**

		
Acid/ Caustic Burns	Cut	Edge Cut
		
Melt	Abrasion	Puncture
		
Weld Spatter	Broken or Worn Stitches	Damaged Eye
		
Embedded Material	Tensile Break	Inner Yarn Visible (Red Spot)
		
Snag	Crushed Webbing	Knot

**Cut the damaged sling into two pieces before disposal to avoid any unintended use (may lead to accident)**

**SAFETY SINGS**



SSS

**WARNING**

SLING FAILURE CAN CAUSE  
**DEATH OR INJURY**  
IT RESULTS FROM  
MISUSE, DAMAGE OR EXCESSIVE  
WEAR  
ADHERE TO STANDARD OR LOCAL  
REGULATION



**EXTERNAL DOWNLOAD**

IS 15041:2001 = Textiles - Flat Woven Webbing Slings Made of Man-Made Fibres for General Services

[DOWNLOAD](#)

<https://law.resource.org/pub/in/bis/S12/is.15041.2001.pdf>

WHY WE



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