

Load tables for flat webbing slings and round slings

Physical specifications of high tensile polyester fibres:

Strength	65–80 mN/dtex	Stability of shape	very good	Chemical resistance:	
Breaking elongation	ca. 12 %	Rot resistance	very good	– Leach	medicore
Hot-air shrinkage	2–20 %	Tensile strength at knot	good	– Acid	good
Dimension durability	100 %	Dye affinity	good	– Salt, basic	injurious
Proportion of abrasion		Specific gravity	1.38	– Gasoline vapour	resistant
resistance	80	Melting point	260 °C	– Oils (clean)	damage may
Heat resistance	very good	Moisture pick-up at		– Oils (soiled)	happen by catalysis
Hydrolysis resistance	good	normal climate	0.4 %		
(during wet heat)					

Flat webbing slings from polyester (PES) acc. CEN EN 1492-1 with reinforced loops

Colour	One flat webbing sling					Two flat webbing slings			
	straight	laced **	flipped, embraced			straight	laced **	straight	laced **
	0°	0°	0° *	to 45°	45°- 60°	to 45°		45°- 60°	
purple	1,000	800	2,000	1,400	1,000	1,400	1,120	1,000	800
green	2,000	1,600	4,000	2,800	2,000	2,800	2,240	2,000	1,600
yellow	3,000	2,400	6,000	4,200	3,000	4,200	3,360	3,000	2,400
grey	4,000	3,200	8,000	5,600	4,000	5,600	4,480	4,000	3,200
red	5,000	4,000	10,000	7,000	5,000	7,000	5,600	5,000	4,000
brown	6,000	4,800	12,000	8,400	6,000	8,400	6,720	6,000	4,800
blue	8,000	6,400	16,000	11,200	8,000	11,200	8,960	8,000	6,400
orange	10,000	8,000	20,000	14,000	10,000	14,000	11,200	10,000	8,000

*) Deviations due to handling tolerances of up to 7° permissible

**) Only loop straps with reinforcement in the loop may be used for the „laced“ type of attachment.
The maximum opening angle of the loop is 20°!

Round slings from polyester (PES) acc. CEN EN 1492-2

Farbe	One round sling					Two round slings			
	straight	laced	flipped, embraced			straight	laced	straight	laced
	0°	0°	0° *	to 45°	45°- 60°	to 45°		45°- 60°	
purple	1,000	800	2,000	1,400	1,000	1,400	1,120	1,000	800
green	2,000	1,600	4,000	2,800	2,000	2,800	2,240	2,000	1,600
yellow	3,000	2,400	6,000	4,200	3,000	4,200	3,360	3,000	2,400
grey	4,000	3,200	8,000	5,600	4,000	5,600	4,480	4,000	3,200
red	5,000	4,000	10,000	7,000	5,000	7,000	5,600	5,000	4,000
brown	6,000	4,800	12,000	8,400	6,000	8,400	6,720	6,000	4,800
blue	8,000	6,400	16,000	11,200	8,000	11,200	8,960	8,000	6,400
orange	10,000	8,000	20,000	14,000	10,000	14,000	11,200	10,000	8,000

*) Deviations due to handling tolerances of up to 7° permissible