

Load tables for flat webbing slings and round slings

PHYSICAL SPECIFICATIONS OF HIGH TENSILE POLYESTER FIBRES:

Strength:	65 – 80 mN/dtex	Moisture pick-up at normal climate:	0,4 %
Breaking elongation:	ca. 12 %	CHEMICAL RESISTANCE	
Hot-air shrinkage:	2–20 %	Leach:	medicore
Dimension durability:	100 %	Acid:	good
Proportion of abrasion resistance:	80	Salt, basic:	injurious
Heat resistance:	very good	Gasoline vapour:	resistant
Hydrolysis resistance:	gut (during wet heat)	Oils (clean):	damage may
Stability of shape:	very good	Oils (soiled):	happen by catalysis
Rot resistance:	very good		
Tensile strength at knot:	good		
Dye affinity:	good		
Specific gravity:	1,38		
Melting point:	260 °C		

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°	
				 0° ≤ β ≤ 45°	 0° ≤ β ≤ 60°	 45°	 45°	 60°	 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

Colour	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°	
				 0°–45°	 45°–60°	 45°	 45°	 60°	 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



FLAT WEBBING SLINGS FROM POLYESTER

- Colour-coded according to European standards
- For long service life
- Load-bearing and tonnage strips woven in
- 7-fold safety
- Safety label with user instructions

We manufacture lifting slings from 30 mm to 300 mm width (special sizes up to 900 mm). All slings are PU impregnated and have loop protection. If they come into contact with acids, we recommend neutralising them afterwards with water or other suitable agents. Extreme chemical influences should be discussed in advance. Polyester is not recommended for this purpose. Belts must be discarded if yarn breaks or cuts in the fabric of more than 10 % of the belt cross-section are reached.

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

TYPE	Capacity WLL (kg) / Safety factor of 7					Band width x tape thickness ca. mm	Loop length* ca. mm	Order No. for lengths of						
								2 m	3 m	4 m	5 m	6 m	8 m	10 m
1D-30	1.000	800	2.000	1.400	1.000	30 x 7	300	B00917	B00925	B00933	B00941	B00949	B00957	B00965
1D-60	2.000	1.600	4.000	2.800	2.000	60 x 7	300	B00918	B00926	B00934	B00942	B00950	B00958	B00966
1D-90	3.000	2.400	6.000	4.200	3.000	90 x 7	400	B00919	B00927	B00935	B00943	B00951	B00959	B00967
1D-120	4.000	3.200	8.000	5.600	4.000	120 x 7	400	B00920	B00928	B00936	B00944	B00952	B00960	B00968
1D-150	5.000	4.000	10.000	7.000	5.000	150 x 7	375	B05002	B05003	B05004	B05005	B05006	B05008	B05010
1D-180	6.000	4.800	12.000	8.400	6.000	180 x 7	450	-	B00930	B00938	B00946	B00954	B00962	B00970
1D-240	8.000	6.400	16.000	11.200	8.000	240 x 7	600	-	B00931	B00939	B00947	B00955	B00963	B00971

Special versions and further designs on request! PUR coatings and PUR protective sleeves on request! / *Loop length greater than standard specification



ROUND SLINGS FROM POLYESTER

- Protective hose impregnated with abrasion-resistant PU
- Colour-coded according to European standards
- Load-bearing and tonnage strips woven in
- 7-fold safety
- Safety label with user instructions



Round slings acc. DIN EN 1492-2 with protective hose

TYP	Capacity WLL (kg) / Safety factor of 7					Order no. with an effective length (NL = L1) of						
						1 m	1,5 m	2 m	2,5 m	3 m	4 m	5 m
KS01	1.000	800	2.000	1.400	1.000	B00102	B00103	B00104	B00105	B00106	B00108	B00110
KS02	2.000	1.600	4.000	2.800	2.000	B00202	B00203	B00204	B00205	B00206	B00208	B00210
KS03	3.000	2.400	6.000	4.200	3.000	B00302	B00303	B00304	B00305	B00306	B00308	B00310
KS04	4.000	3.200	8.000	5.600	4.000	B00402	B00403	B00404	B00405	B00406	B00408	B00410
KS05	5.000	4.000	10.000	7.000	5.000	B00502	B00503	B00504	B00505	B00506	B00508	B00510
KS06	6.000	4.800	12.000	8.400	6.000	B00602	B00603	B00604	B00605	B00606	B00608	B00610
KS08	8.000	6.400	16.000	11.200	8.000	-	B00803	B00804	B00805	B00806	B00808	B00810
KS10	10.000	8.000	20.000	14.000	10.000	-	B00830	B00831	B00832	B00833	B00835	B00837

Special versions and further designs on request! PUR coatings and PUR protective sleeves on request!