



TRI-MAX™ FS Flattened (Triangular) Strand Hoisting Ropes

Weights and Breaking Loads

Diameter inches (mm)	Rope Construction	Approx. Weight lbs/ft (kg/m)	115 Long Tons/in ² - lbs (1770 Mpa) - (kN)	Nominal Breaking Load	
				120 Long Tons/in ² - lbs (1850 Mpa) - (kN)	125 Long Tons/in ² - lbs (1930 Mpa) - (kN)
7/8 (22.2)	6x27 (3/3) LL Polyester Core	1.33 (1.98)	75 000 (334)	78 000 (347)	82 000 (365)
1 (25.4)	6x27 (3/3) LL Polyester Core	1.74 (2.59)	99 000 (440)	103 000 (458)	108 000 (481)
1-1/8 (28.6)	6x27 (3/3) LL Polyester Core	2.22 (3.30)	126 000 (560)	132 000 (588)	137 000 (610)
1-1/4 (31.8)	6x27 (3/3) LL Polyester Core	2.74 (4.08)	156 000 (694)	163 000 (726)	169 000 (752)
1-3/8 (34.9)	6x27 (3/3) LL Polyester Core	3.32 (4.94)	189 000 (841)	197 000 (877)	205 000 (912)
1-1/2 (38.1)	6x27 (3/3) LL Polyester Core	3.95 (5.88)	225 000 (1 001)	235 000 (1 046)	245 000 (1 090)
1-5/8 (41.3)	6x27 (3/3) LL Polyester Core	4.66 (6.94)	265 000 (1 179)	276 000 (1 228)	288 000 (1 282)
1-3/4 (44.5)	6x27 (3/3) LL Polyester Core	5.37 (7.99)	306 000 (1 361)	319 000 (1 420)	332 000(1 478)
1-7/8 (47.6)	6x27 (3/3) LL Polyester Core	6.09 (9.07)	348 000 (1 548)	363 000 (1 616)	379 000 (1 687)
2 (50.8)	6x27 (3/3) LL Polyester Core	6.90 (10.27)	394 000 (1 753)	411 000 (1 829)	428 000 (1 905)
2-1/8 (54.0)	6x27 (3/3) LL Polyester Core	7.80 (11.61)	444 000 (1 975)	463 000 (2 061)	483 000 (2 150)
2-1/4 (57.2)	6x27 (3/3) LL Polyester Core	8.55 (12.73)	498 000 (2 215)	520 000 (2 315)	530 000 (2 359)

For 6x25 (6/1) brangle and 6x30 style "G" flattened (triangular) strand ropes, reduce the nominal breaking load by 5%.
Breaking load values are subject to a minus tolerance of 5%.

Diameter inches (mm)	Rope Construction	Approx. Weight lbs/ft (kg/m)	Nominal Breaking Load		
			130 Long Tons/in ² - lbs (2000 Mpa) - (kN)	135 Long Tons/in ² - lbs (2085 Mpa) - (kN)	140 Long Tons/in ² - lbs (2160 Mpa) - (kN)
7/8 (22.2)	6x27 (3/3) LL Polyester Core	1.33 (1.98)	85 000 (378)	88 000 (392)	91 000 (405)
1 (25.4)	6x27 (3/3) LL Polyester Core	1.74 (2.59)	112 000 (499)	116 000 (516)	121 000 (539)
1-1/8 (28.6)	6x27 (3/3) LL Polyester Core	2.22 (3.30)	143 000 (636)	148 000 (659)	154 000 (685)
1-1/4 (31.8)	6x27 (3/3) LL Polyester Core	2.74 (4.08)	176 000 (783)	183 000 (815)	190 000 (846)
1-3/8 (34.9)	6x27 (3/3) LL Polyester Core	3.32 (4.94)	213 000 (948)	222 000 (988)	227 000 (1 010)
1-1/2 (38.1)	6x27 (3/3) LL Polyester Core	3.95 (5.88)	255 000 (1 135)	265 000 (1 180)	
1-5/8 (41.3)	6x27 (3/3) LL Polyester Core	4.66 (6.94)	300 000 (1 335)	305 000 (1 358)	
1-3/4 (44.5)	6x27 (3/3) LL Polyester Core	5.37 (7.99)	345 000 (1 536)	350 000 (1 558)	
1-7/8 (47.6)	6x27 (3/3) LL Polyester Core	6.09 (9.07)	385 000 (1 714)		
2 (50.8)	6x27 (3/3) LL Polyester Core	6.90 (10.27)	435 000 (1 936)		
2-1/8 (54.0)	6x27 (3/3) LL Polyester Core	7.80 (11.61)	490 000 (2 181)		
2-1/4 (57.2)	6x27 (3/3) LL Polyester Core	8.55 (12.73)			

For 6x25 (6/1) brangle and 6x30 style "G" flattened (triangular) strand ropes, reduce the nominal breaking load by 5%.
Breaking load values are subject to a minus tolerance of 5%.



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