

Prestressing 7 wire low relaxation strand (per ASTM A416)

DATASHEET



COMPLIANT PRODUCT

The characteristics of Bekaert's high strength, low relaxation 7 wire PC strand comply with ASTM A416 and all applicable PCI or PTI standards. All our wire strands can be galvanized, while our 0.5" strand is also available with a Bezinal® coating. All products are made and melt in the USA.



Made in the USA

Technical specifications

Grade	Nominal ^a			Specified					
	Strand diameter	Strand area	Linear weight	Strand tolerance	Minimum breaking strength	Minimum diameter difference between king and wrap wire	Minimum elongation in 24" gauge length	Hot dip metallic coatings	Minimum yield strength at 1% extension
	in mm	in ² mm ²	lbs/1000 ft kg/1000 m	in mm	lbs kN	in mm	%	oz/ft ² g/m ²	lbs kN
270 K	1/2" 12.7	0.153 98.7	520 780	0.526/0.494 13.35/12.55	41,300 184	0.003 0.076	3.5	0.10-0.90 ^b 31-275	37,170 165.3
	0.52" 13.2	0.167 108	570 840	0.546/0.514 13.85/13.05	45,000 200			0.10-0.90 31-275	40,500 180.1
	0.60" 15.2	0.217 140	740 1,100	0.626/0.594 15.85/15.05	58,600 261	0.004 0.102		0.10-1.0 31-305	52,740 234.6
	0.62" 15.7	0.231 150	780 1,200	0.646 /0.614 16.35/15.55	62,800 279			0.62-1.14 ^c 190-350	56,520 251.4
	0.70" 17.8	0.294 190	1,000 1,500	0.726/0.694 18.45/17.65	79,400 353			0.0045 0.114	0.10-0.33 30-100

^a Nominal Elastic Modulus = 28.5 Mpsi (196 GPa).

^b 0.5" PC strand can be metallic coated with zinc or with Bezinal® zinc aluminum.

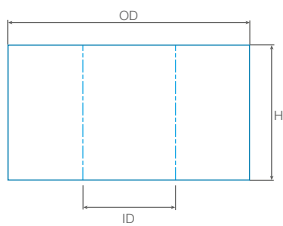
^c Coating weight specification per PTI stay cable specification DC45.1-12 appendix B.

Relaxation properties

Initial stress	Maximum relaxation after 1000 Hours
70% G.U.T.S.	2.5%
80% G.U.T.S.	3.5%

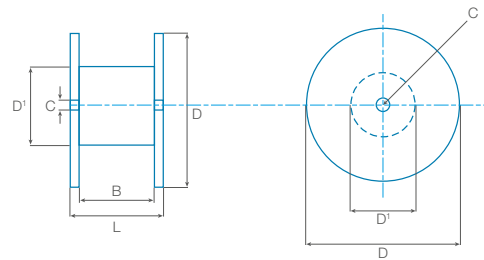
Pack specifications

Customized packing dimensions available upon request.



Coil dimensions

ID	30"
OD	48"
H	30"
Weight	6400 lb (max.)



Wooden reel dimensions

D	43"
D'	24"
C	3-1/8"
B	18"
L	24"
Weight	3400 lb (max.)

Quality



ISO 14001
certified

ISO 9001
certified



Contact us

More
Information?

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