

Prestressing 2-3 wire strand prEN 10138-3

DATASHEET



COMPLIANT PRODUCT

The characteristics of Bekaert's high strength, low relaxation 2+3 wire PC strand comply with the prEN 10138-3 standard. All wire strands can be coated with Zinc, Bezinal® or Bezinal® 3000. Higher tensile strengths are available upon request.

Technical specifications

Steel designation		Nominal ^a				Specified			
Steel name	Steel number	Diameter ^b	Tensile strength	Cross-sectional area ^c	Mass per meter	Mass tolerance per meter	Minimum breaking strength	Maximum breaking strength	Yield strength at 0.1 % elongation
		d mm	Rm MPa	Sn mm ²	M g/m	%	Fm kN	Fm, max kN	Fp0.1 kN
Y1770S2	1.1345	5,6	1 770	9,7	75,8	± 2	17,2	19,8	15,1
		6,0		15,1	117,9		26,7	30,7	23,5
Y1770S3	1.1359	7,5	1 770	29,0	226,5	± 2	51,3	59,0	45,1
Y1860S2	1.1346	4,5	1 860	7,95	62,1	± 2	14,8	17,0	13,0
Y1860S3	1.1360	4,85	1 860	11,9	92,9	± 2	22,1	25,4	19,4
		6,5		21,2	165,6		39,4	45,3	34,7
		6,9		23,4	182,8		43,5	50,0	38,3
		7,5		29,0	226,5		53,9	62,0	47,4
		8,6		37,4	292,1		69,6	80,0	61,2
Y1920S3	1.1357	6,3	1 920	19,8	154,6	± 2	38,0	43,7	33,4
		6,5		21,2	165,6		40,7	46,8	35,8
Y1960S3	1.1361	4,8	1 960	12,0	93,7	± 2	23,5	27,0	20,9
		5,2		13,6	106,2		26,7	30,7	23,8
		6,5		21,2	165,6		41,6	47,8	37,0
		6,85		23,6	184,3		46,3	53,2	41,2
Y2060S3	1.1362	5,2	2 060	13,6	106,2	± 2	28,0	32,2	24,9
Y2160S3	1.1363	5,2	2 160	13,6	106,2	± 2	29,4	33,8	26,2

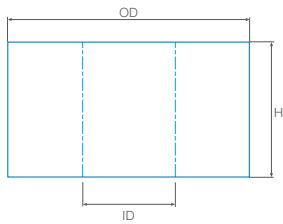
^a The modulus of elasticity (E) may be taken to be 195 GPa (kN/mm²).

^b The nominal mass per metre is calculated from the cross-sectional area and a density of 7,81 kg/dm³.

^c Please note that for grades Y1770S2, Y1770S3, Y1860S2, Y1860S3 and Y1920S3, the minimum load at 1% extension force applies to 88% of the grades. For grades Y1960S3, Y2060S3 and Y2160S3 89% applies.

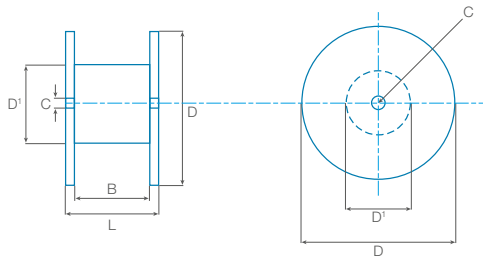
Pack specifications

Customized packing dimensions available upon request.



Coil dimensions

ID	750 mm	900 mm
OD	1650 mm (max.)	
H	750 mm	610 mm
Weight	4500 kg (max.)	



Drum dimensions

D	1000 mm	1200 mm
D'	560 mm	630 mm
C	90 mm	90 mm
B	360 mm	710 mm
L	780 mm	860 mm
Weight	800 kg (max.)	1800 kg (max.)



Quality



ISO 14001:2015
certified

ISO
9001:2015
certified

Contact us

More
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