

Pre-stressed Concrete Strand (PCS)

DESCRIPTION

- > Our PCS is a 6-wire set around a center wire and is preformed and post-formed in order to keep the wire in the desired position.
- > Manufactured under the Camesa Quality Control System (CQCS). Camesa PCS meets or exceeds the following standards: ASTM A-416 and NMX B-292-1988 and all international specifications.
- > Extruded strand is manufactured to comply with the standards of the Post-Tensioning Institute.
- > Low relaxation tested and certified to 1,000 hours
- > Each coil is tested 100% in our laboratories, starting with the selection of raw materials, to the evaluation of final physical and mechanical characteristics.
- > We apply a stress relieving heat treatment to improve elasticity and strength characteristics.

FINISHING

- > Bright
- > Galvanized
- > Lubricated and extruded with high-density, green polyethylene
- > Applications for pre-stressed concrete in two stages
 - > Pre-tensioning
 - > Post-tensioning

USES

- > Long extension bridges
- > Highways
- > Dams
- > Silos
- > Theaters
- > Buildings
- > Industrial structures

PACKAGING

Coils: 6,613 lb (3,000 kg)



PRE-STRESSED CONCRETE STRAND SPECIFICATIONS

Standard Diameter in (mm)	Grade Ksi	Weight Lbs/1,000 ft (kg/1,000 mts)	Minimum Strength Pounds (kN)	Approximate Lineal Feet per Coil (mts)*	Nominal Area in ² (mm ²)
BRIGHT LOW RELAXATION A-416					
3/8 (9.53)	270	289 (431)	23,000 (102.3)	22,000 (6706)	0.085 (54.84)
7/16 (11.11)	270	391 (582)	31,000 (137.9)	16,000 (4877)	0.115 (74.19)
1/2 (12.70)	270	512 (763)	41,300 (183.7)	12,000 (3658)	0.153 (98.71)
9/16 (14.29)	270	637 (949)	51,700 (230.0)	10,000 (3048)	0.192 (123.87)
.600 (15.24)	270	744 (1108)	58,600 (260.7)	8,500 (2591)	0.217 (140.0)
.618 (15.70)	270	796 (1185)	62,270 (277.1)	8,000 (2438)	0.230 (148.6)
GALVANIZED LOW RELAXATION ASTM A-416					
3/8 (9.53)	240	299 (445)	21,200 (94.3)	12,000 (3650)	0.085 (54.84)
1/2 (12.70)	240	517 (769)	41,300 (183.7)	12,000 (3658)	0.153 (98.71)
.600 (15.24)	240	750 (1117)	54,500 (242.5)	7,700 (2347)	0.217 (140.0)
EXTRUDED LOW RELAXATION ASTM A-416					
1/2 (12.70)	270	577 (860)	41,300 (183.7)	5,720 (1740)	0.153 (98.7)
.600 (15.24)	270	806 (1200)	58,600 (260.7)	4,100 (1250)	0.217 (140.0)

*Pack length will vary by production run.