

Pre-stressed Concrete Wire (PCW)

Camesa is the leader in the PCW market and sole producer in Mexico. We use our state-of-the-art technology, plus 30 years of experience manufacturing pre-stressed concrete wire, to produce the most trusted product in the market.

Our pre-stressed concrete wire is produced with a testing certificate of 1,000 hours in our ISO-9001:2000 certified plants.

Camesa pre-stressed concrete wire is fundamental as a reinforcing component in construction applications.

STANDARDS

ASTM A-421
NMX B-293

USES

- > Pre-stressed beams
- > High-pressure hydraulic concrete pipelines
- > Concrete or high-pressure pipe
- > Structural elements for bridges and buildings
- > Concrete ties for railroad tracks
- > Poles for farming applications

DESCRIPTION

- > Subjected to heat treatment to relieve residual stress and provide the best mechanical characteristics of ductility, as well as strength.
- > Each coil is tested 100% in our certified laboratories.

TYPES

- > Smooth
- > Indented
- > Tridented

CLASSES

- > Regular
- > Low-relaxation

PACKAGING

Sizes 9 & 10 mm: 8 feet (2.44 m) coils of 1,323-2,200 lbs (600-1,000 kg)

All others: 6 feet (1.83 m) coils of 1,323-2,200 lbs (600-1,000 kg)

DIAMETERS

Wire sizes: 0.118-0.393" (3-10 mm)

PRE-STRESSED CONCRETE WIRE SPECIFICATIONS

Diameter		Minimum Breaking Load	Elastic Limit	% Elongation	Area	Linear Weight	Linear Yield
ASTM A-421, ASTM A-881							
mm	in	kg/mm ²	kg/mm ²	min	mm ²	gr/m	m/ton
3	0.118	175	148	4	7.07	55.48	18,024
4	0.157	180	153	4	12.57	98.70	10,132
5	0.197	175	148	4	19.63	154.10	6,489
6	0.236	170	144	4	28.27	221.90	4,506
7	0.276	165	140	4	38.48	302.10	3,310
9.4	0.370	160	140	4	69.4	544.80	1,835
10	0.393	160	140	4	78.54	616.50	1,622

Diameter		Internal Diameter		Coil Weight	
mm	in	ft	mt	min (kg)	max (kg)
3	0.118	6	1.83	600	1800
4	0.157	6	1.83	600	1800
5	0.197	6	1.83	600	1800
6	0.236	6	1.83	600	1800
7	0.276	6	1.83	600	1800
9.4	0.370	6	2.44	600	1800
10	0.393	6	2.44	600	1800

