

PRESTRESSED CONCRETE STRAND 7 Wire Super Low Relaxation

RELATED SPECIFICATIONS:

USA	ASTM A416
Great Britain	BS 5896
Japan	JIS 3536
Europe	EN 10138



DESCRIPTION:

PC strand consists of wires spun together in the same direction and with the same lay length.

Super low relaxation PC strand can be used for either prestressing or post-tensioning of concrete. They are predominantly used in prefabricated concrete elements like railway sleepers as well as hollow core slabs, beams and TT-slabs, which can be found in residential, office or industrial buildings. Typical post-tensioning projects are bridges, silos and off-shore constructions.

TYPICAL MECHANICAL PROPERTIES:

Nominal Diameter (mm)	Yeild Strength at 1% Elong'n (kN)	Breaking Load (kN)	Total Elongation %	Relaxation loss at 1000hrs %	0.20% Proof Load (kN)
9.3	86.7 min.	102 min.	3.5 min.	3.5 max.	86.7 min.
12.7	156.4 min.	184 min.	3.5 min.	3.5 max.	-
15.2	212.5 min.	250 min.	3.5 min.	3.5 max.	212.5 min.

DIRECTION OF LAY:

Right hand lay can be provided.

COIL WEIGHT:

Coils weights between 2.7 and 3.2MT.

PACKAGING:

All coils are wrapped in a protective polyweave with metals strapping. Strapped to wooden or steel pallets (depending upon supplier).

NATA CERTIFICATION:

NATA certified PC Strand can be supplied upon request.