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POST-TENSIONING
INSTITUTE®



SNP

POST TENSION CO.,LTD.



Anchorage Guide



Anchorage Block



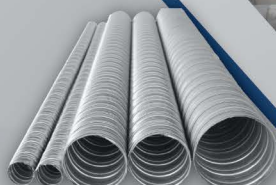
Connector



Wedges



PC. Strand



**Corrugated galvanized
round ducts**

SNP POST TENSION CO.,LTD.

Product of Infrastructure

POST-TENSION GIRDER [BONDED SYSTEM]

SNP POST TENSION CO.,LTD.

Quality On Time

The company excels in design, price appraisal, manufacturing and installation of post-tension and Infrastructure work. In addition, the company offers technical consultancy by engineers and staffs with experience and specialization to ensure the services live up to customer's satisfaction by meeting the quality and deadline.



Proposal Statement
Girder



Snp-post.com



Project Reference
Facebook Fanpage



110/18 Moo 2 Mahasawat , Bangkruai , Nonthaburi 11130



02-985-2357

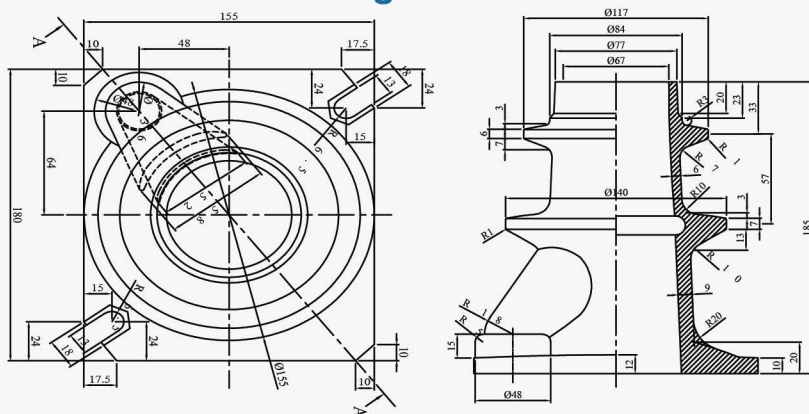


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List of Infrastructure Materials & Equipment

Conforming to PTI Standard

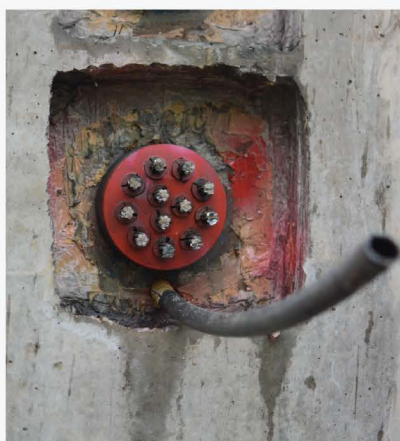
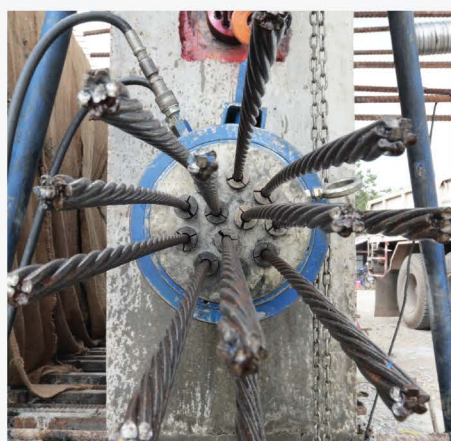


Any shape of anchorage blocks conform PTI Standard

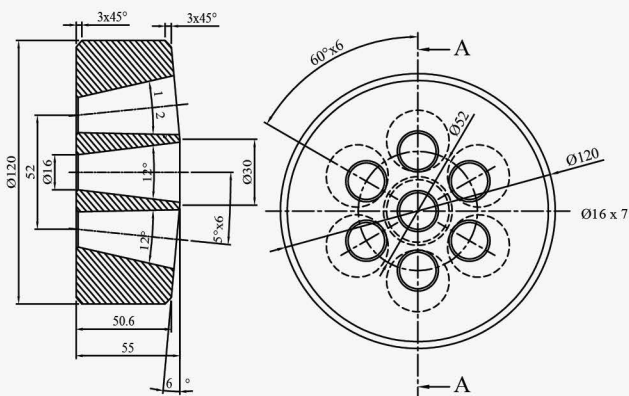


Anchorage Block 4K13-27K13

Anchorage Block 7K15-19K15



Dimension : Anchorage Block



PC. Strand

Cross-section of 12.7/15.24 mm. strand



TENDON PROPERTIES 13mm(0.5")

Unit	Strands numbers	Steel area	Breaking load
		ASTM d=12.7 mm Ap=100 mm ²	Grade 270 (ASTM) d=12.7 mm Ap=98.7 mm ²
		[mm ²]	[kN]
13-4	4	395	735
13-7	5	494	919
1	6	592	1102
13-7	7	691	1286
13-12	8	790	1470
	9	888	1653
	10	987	1837
	11	1086	2021
13-12	12	1184	2204
13-19	13	1283	2388
	14	1382	2572
	15	1481	2756
	16	1579	2939
	17	1678	3123
	18	1777	3307
13-19	19	1875	3490
13-27	20	1974	3674
	21	2073	3858
	22	2171	4041
	23	2270	4225
	24	2369	4409
	25	2468	4593
	26	2566	4776
13-27	27	2665	4960



TENDON PROPERTIES 15mm(0.6")

Unit	Strands numbers	Steel area	Breaking load
		ASTM d=15.24 mm Ap=140 mm2	Grade 270 (ASTM) d=15.24 mm Ap=140 mm2
		[mm ²]	[kN]
15-7	7	980	1825
15-12	8	1120	2086
	9	1260	2346
	10	1400	2607
	11	1540	2868
15-12	12	1680	3128
15-19	13	1820	3389
	14	1960	3650
	15	2100	3911
	16	2240	4171
	17	2380	4432
	18	2520	4693
	15-19	19	2660

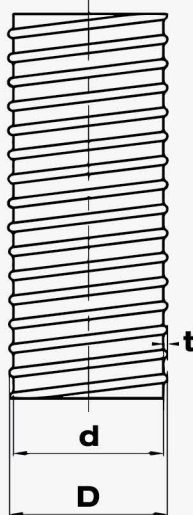
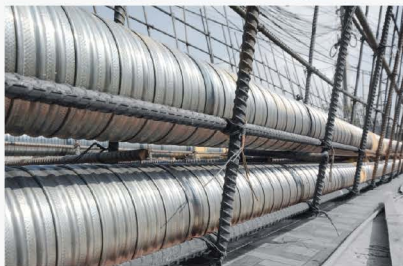
STRAND PROPERTIES

13mm(0.5"), 15mm(0.6")

Strand type	ASTM A 416-06 Grade 270	
	13 mm(0.5)	15 mm(0.6)
Nominal diameter d (mm)	12.7	15.24
Nominal cross section A _p (mm ²)	98.7	140
Nominal mass M (kg/m)	0.775	1.102
Nominal yield strength f _{p0.1k} (MPa)	1675 ²	1676 ²
Nominal tensile strength f _{pk} (MPa)	1860	1860
Specif./min. breaking load F _{pk} (kN)	183.7	260.7
Young's modulus (GPa)	approx. 195	approx. 195
Relaxation ³ after 1000 h at 20°C and 0.7 x F _{pk} (%)	max. 2.5	max. 2.5

Standard for PC.Strand : TIS.420-2540, ISO 6934-4:1991 and ASTM A416 Type 7 Wire Strand (Low Relaxation)

Any diameters can make by order



Unit:mm.

Specs	Duct		
	d	D	t
Galvanize Sheath 30 mm.	30	35	2.5
Galvanize Sheath 50 mm.	50	55	2.5
Galvanize Sheath 65 mm.	65	70	2.5
Galvanize Sheath 70 mm.	70	75	2.5
Galvanize Sheath 75 mm.	75	80	2.5
Galvanize Sheath 80 mm.	80	85	2.5

- The adjacent bigger duct can be used as the coupler.
- Special duct can be supplied on request.

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