

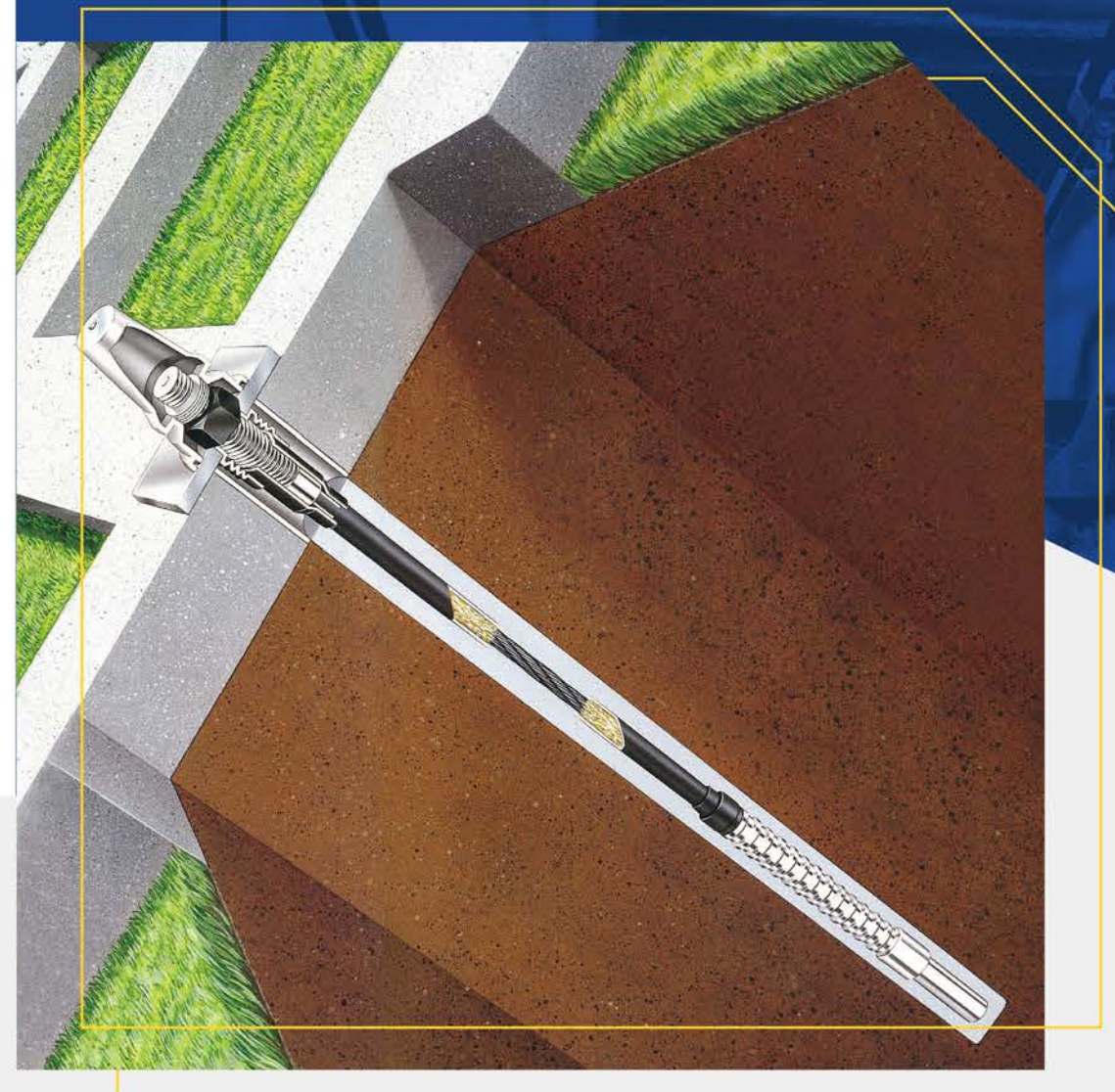
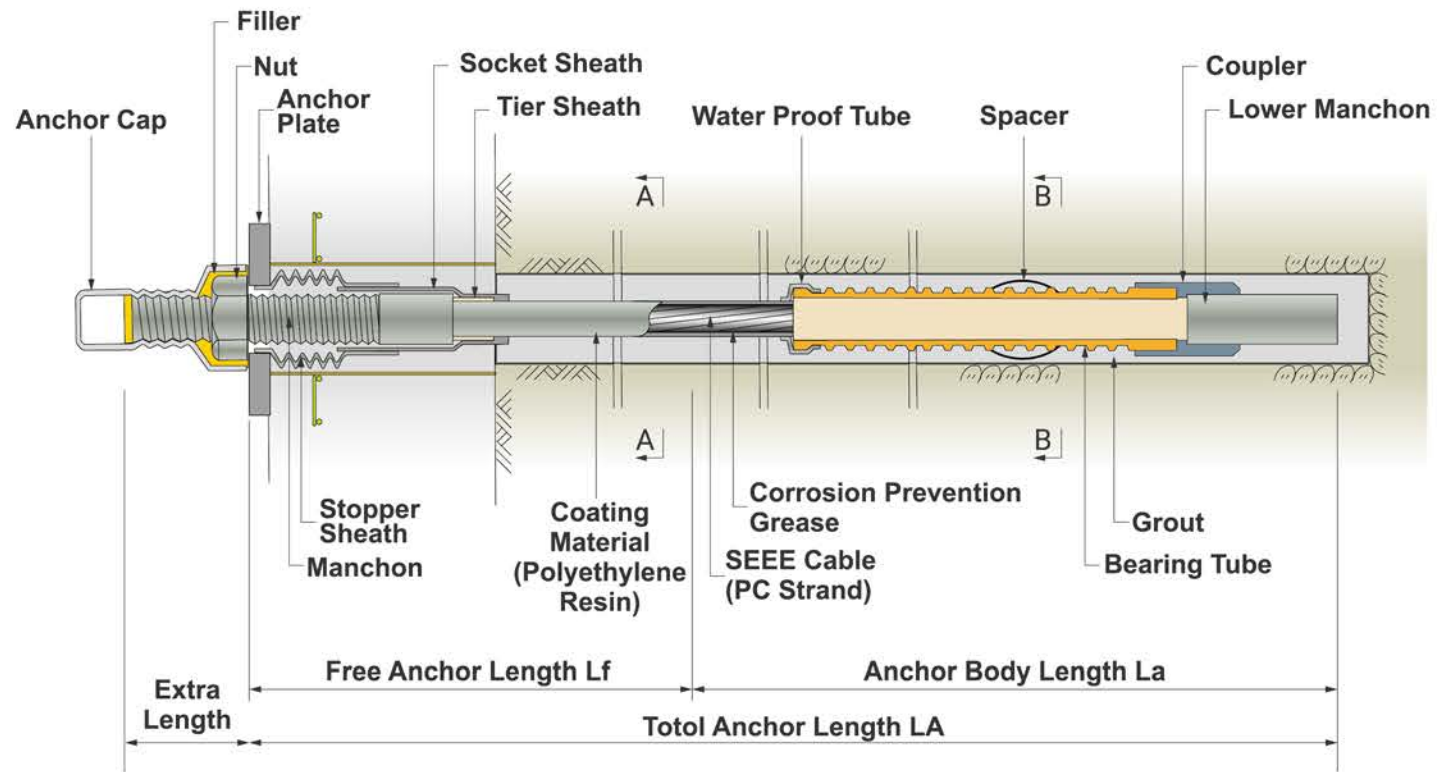
GROUND ANCHOR TIBLE ANCHOR U type

CHAINSON INDUSTRIAL CO.,LTD.



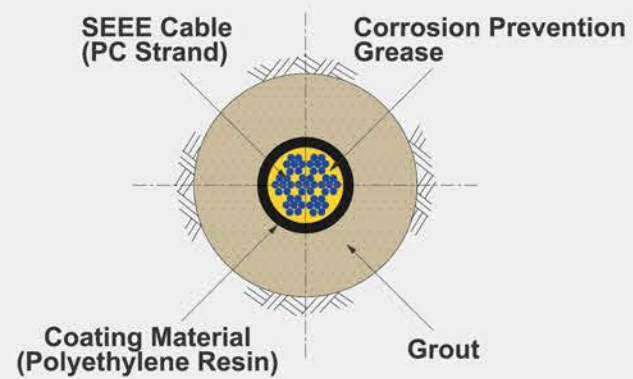
正盛工業

Cross Section of the Structures

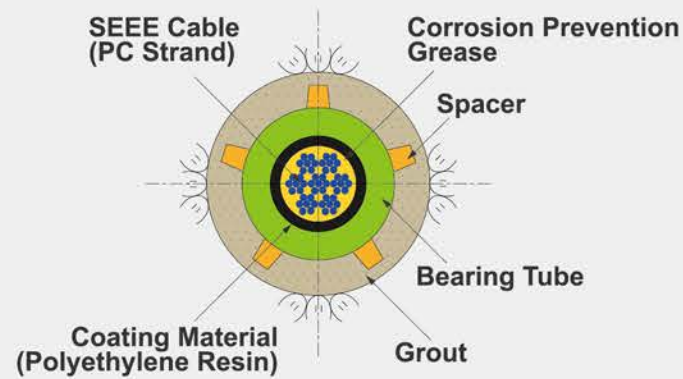


GROUND ANCHOR TIBLE ANCHOR U type

Double Corrosion Prevention
Threaded Anchorage
Friction Compression type



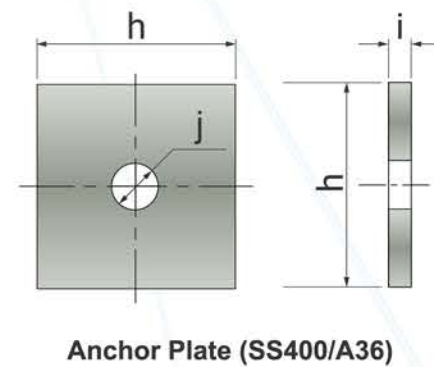
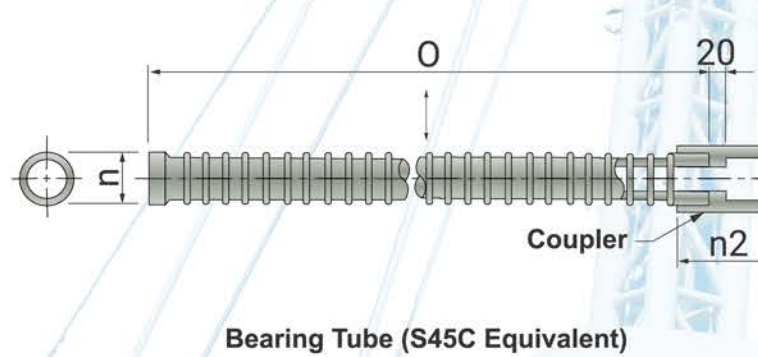
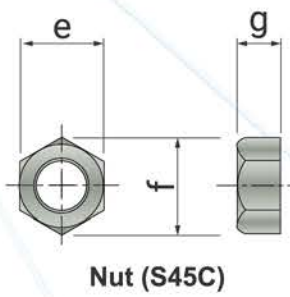
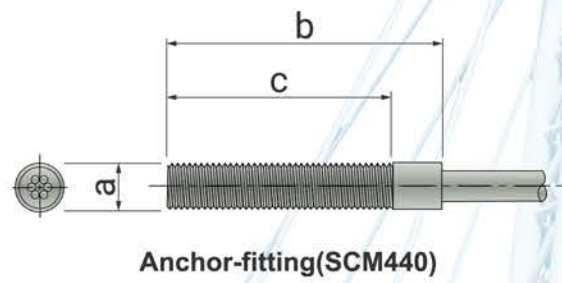
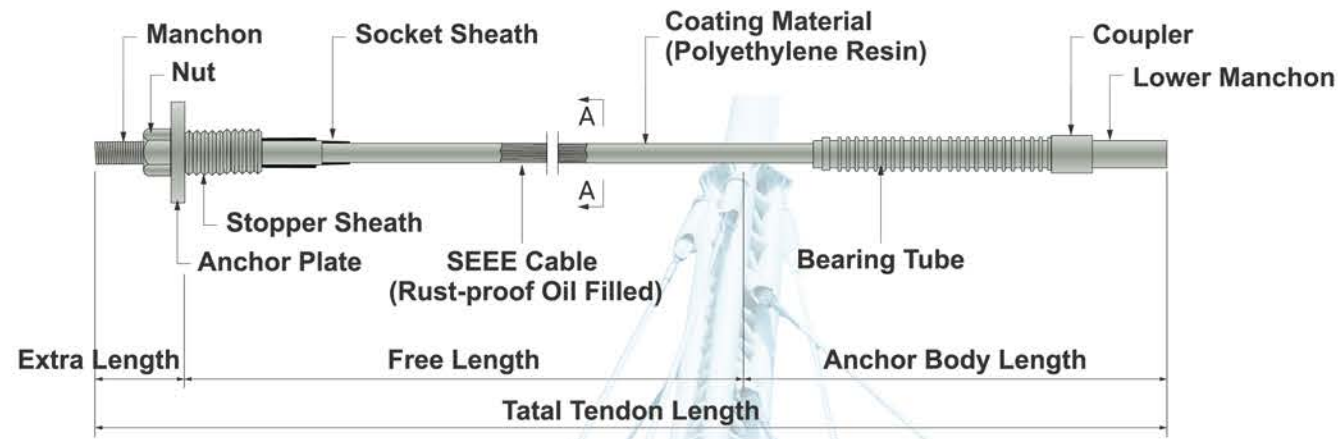
A-A Section



B-B Section

ADVANTAGES

- Easy maintenance and earthquake resistance due to its threaded anchorage.
- Superb durability of Tendon(PC Strand cables) in double corrosion prevention.
- Stabilized physical properties because of compression type anchor.
- High quality assured due to the quality-controlled factory production.
- Labor saving because of no necessity for corrosion proof process at job site.



List of Cable Constructions

Item	Type	F-70U	F-100U	F-130U	F-160U	
Composition	mm	7×Ø9.5	7×Ø11.1	7×Ø12.7	7×Ø15.2	
Nominal Dia	mm	28.5	33.3	38.1	45.6	
Section Area	mm ²	383.9	519.5	691	970.9	
P.C Weight	kg/m	3.04	4.09	5.45	7.75	
Tensile Load	tf[kN]	72.8 [714]	98.7 [966]	130.9 [1281]	171.5 [1680]	
Yield Point Load	tf[kN]	62 [608]	84 [826]	111.3[1092]	145.6 [1428]	
Allowable Tensile Load * Tas (kN)						
Allowable Tensile Load	Normal Time 0.6 Tys	Tastf[kN]	43.68 [428.4]	59.22 [579.6]	78.54 [768.6]	102.9 [1008]
	Earthquake Time 0.9 Tys	Tastf[kN]	54.6 [535.5]	74.02 [724.5]	98.17 [960.7]	128.6 [1260]
Cross Section A-A	mm		28.5 38.5	33.3 43.3	38.1 48.1	45.6 61.6

Dimensions of Anchor

Item	Type	F-70U	F-100U	F-130U	F-160U	
Manchon	a	mm	48	55.4	62	72
	b	mm	380	410	490	650
	c	mm	250	300	410	550
Nut	Weight	kg	3.2	5.4	8.5	15.5
	e	mm	75	82	93	110
	f	mm	86.5	94	107	127
Anchor Plate (Standard Size)	g	mm	45	45	60	63
	Weight	kg	1.1	1.2	1.9	3.1
	h	mm	260	280	320	350
Bearing Tube	i	mm	36	36	38	40
	j	mm	58	65	71	83
	Weight	kg	18.4	21.2	29.4	36.8
Coupler	n	mm	54	65	73	79.5
	o	mm	2100	2400	2800	3400
Coupler	n1	mm	63	73	81	95
	n2	mm	105	110	115	120
Borehole Dia.	Reference	-	90	115	115	135