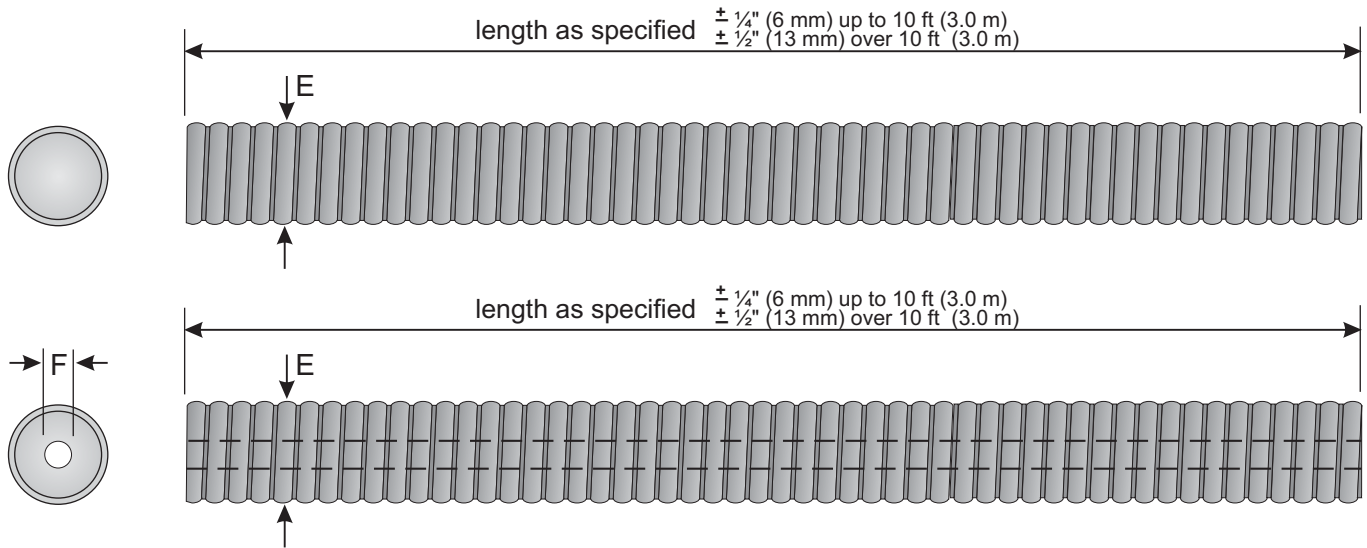


Threaded Fibreglass Bolts (Solid & Groutable) Nominal 7/8" (22 mm) & 1" (25 mm)



DIMENSIONS:

	7/8" (22 mm) GRP Bolt	1" (25 mm) GRP Bolt
E Diameter	nominal O.D. 7/8" (22 mm)	nominal O.D. 1" (25 mm)
F Grout Hole Diameter	not available	3/8" (9 mm)
E Thread Size/Type	7/8" right hand	1" left hand

TECHNICAL DATA:

	7/8" (22 mm) GRP Bolt	1" (25 mm) GRP Bolt
Resin Type	polyester / epoxy resin	
Glass Type	E - glass	
Glass Content (by weight)	75% minimum	
E-Modulus, minimum	5,075 ksi (35,000 MPa)	
Breaking Strain, minimum	2.5% minimum	
Tensile Strength, minimum	67,500 lbs (300 kN)	78,500 lbs (335 kN)
Shear Strength, minimum	27,000 lbs (120 kN)	30,000 lbs (135 kN)
Thread Strength, minimum	5,000 lbs/inch (9 kN/cm)	6,000 lbs/inch (10.5 kN/cm)
Maximum Torque	210 ft-lbs (285 Nm)	240 ft-lbs (325 Nm)
Hex Nut (steel)	1.5" (38 mm) hex by 2" (50 mm), 3" (75 mm) or 4" (100 mm) length	
Drill Bits (rotary only)	not available	R32 x 1-3/4" (45 mm)

HARDWARE NOTE:

The 1" (25 mm) hollow - groutable GRP bolt require the use of adapter sleeves. Adapter sleeves have a standard R32 thread on the exterior and allow the GRP bolts to be adapted to any R32 drilling component, including bits, couplers and drill drives.