

Figure 1 shows a schematic diagram of the test specimen. The specimen is a cylindrical bar with a total length of 16.6 inches. It consists of a central section with a diameter of 0.3125 inches and a length of 8.3 inches, and two end sections with a diameter of 0.375 inches and a length of 3 inches each. The central section is shaded with diagonal lines.

Figure 1 shows a technical drawing of a circular cross-section of a shaft. The drawing includes dimension lines indicating a diameter of 4.9 with a tolerance of +0.193 and a height of 4.5 with a tolerance of +0.177.

1.5 [0.059]

The drawing shows a vertical assembly with a dimension of 1.5 [0.059] indicated on the left. A cross-section view is shown on the right, revealing a central vertical shaft with a flange at the top and a flange at the bottom. The shaft is surrounded by a housing or support structure.

Technical drawing of a hex bolt. The drawing shows a side view of the bolt with a hexagonal head and a threaded shank. The head is labeled "10-32UNF-2A" and "8 HEX". The shank has a threaded section with a cross-hatched pattern. Dimensions are indicated with arrows and values in inches and millimeters:

- Head width: 15.9 [.627]
- Head height: 7.9 [.311]
- Shank diameter: $\phi 3.1$ [.122]
- Shank length: $\phi 4.27$ [.168]

	DESCRIPTION	MATERIAL	FINISH	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS	APPROVALS	DATE	 Connex Connector Corporation								
1	BODY	BRASS	NICKEL	DIMENSIONS IN [] ARE IN INCHES FOR CUSTOMER REFERENCE ONLY	DRAWN	G.R.S.					03/06/00	TITLE BULKHEAD CABLE TERMINATION (FOR RG-142A/U, 223/U, 400/U CABLE)			
2	FERRULE	COPPER	NICKEL		CHECKED										
3	LOCK WASHER	BRASS	NICKEL	UNLESS OTHERWISE SPECIFIED TOLERANCES FOR MILLIMETERS ARE: 0.5-6 = ± 0.2 6-30 = ± 0.4 30-120 = ± 0.6 120-315 = ± 1 315-1000 = ± 1.6 1000-2000 = ± 2.4	ISSUED			SIZE A FSCM NO. 99001 DWG. NO. 142272.DWG		REV. NC					
4	HEX NUT	BRASS	NICKEL												
5															
6															
7															
8				DO NOT SCALE DRAWING			SCALE NA	PART NO. 142272	SHEET 1 OF 1						