



ITS 3106 GR and ITS 4106 GR Straight Cylindrical Plug Assembly with Rotating Coupling Nut Shrink Boot Adapter

Elastomer
Option
(See Table III)

Grounding Fingers
(Omit for Standard)

Contact Type
31 - Solder
41 - Crimp

Connector/Backshell Class
GR - Environmental; Supplied
with Backshell for Heat-Shrink
Tubing and Rotating Clamp Nut

Alternate Insert Rotation
(W, X, Y, Z)
Omit for Normal
(See Section A)

XX**ITS****G****31****06****GR****20-27****P****Y****XXX**

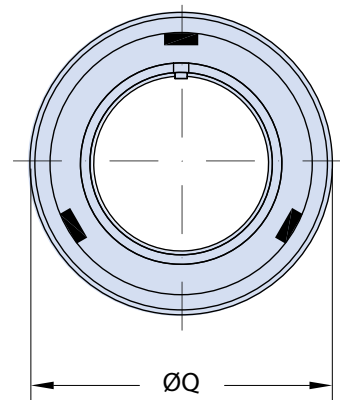
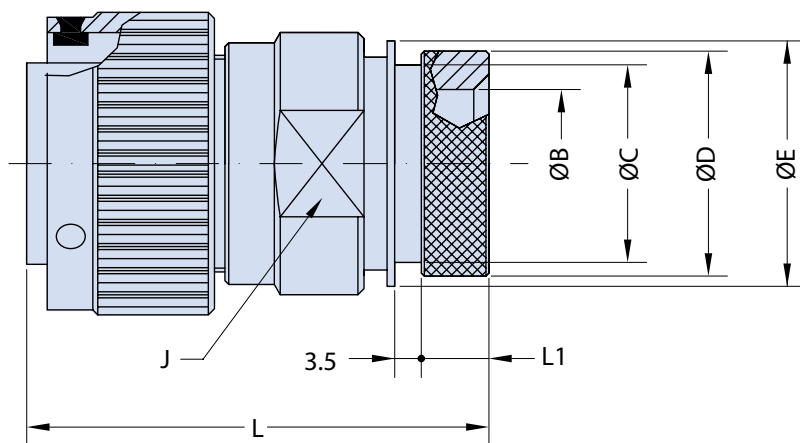
Reverse Bayonet Coupling
ITS - Aluminum Shell with Stainless Steel Studs
ITB - Marine Bronze or Stainless Steel Shell
without Stainless Steel Studs
For further details, see diagram on page A-38

06 - Straight Plug

Shell Size and Insert
Arrangement
(See Section A)

Contact Gender
P - Pin
S - Socket

Mod Code
Option
(See Table II)



Application Notes

1. Straight cylindrical plug with a backshell for heat shrink tubing. Rotating coupling nut supplied.
2. Connector/Backshell Class "GR" (environmental)—Wire sealing grommet supplied.
3. Standard materials configuration consists of aluminum alloy. For platings, see TABLE II finish options.
4. Standard contact material consists of copper alloy with silver plating or gold plating.

**ITS 3106 GR and ITS 4106 GR
Straight Cylindrical Plug Assembly
with Rotating Coupling Nut Shrink Boot Adapter**



Series ITS

TABLE I: DIMENSIONS

Shell Size	ØB Min.	ØC ±0.1	ØD ±0.2	ØE ±0.1	J Key	L Max.	L1 ±0.1	ØQ ±0.2
10 SL	8.6	13.0	15.5	17.0	20	54.0	8.2	22.6
14 S	10.7	16.5	19.1	20.1	23	54.0	8.2	29.0
16 S	14.0	24.9	23.9	23.5	26	54.0	8.0	31.6
16	14.0	24.9	23.9	23.5	26	61.0	8.0	31.6
18	17.5	21.7	23.9	26.5	28	63.5	8.0	36.2
20	18.8	26.2	29.6	30.2	32	63.5	8.9	39.8
22	21.0	26.2	29.6	33.6	36	63.5	9.2	43.0
24	25.4	34.0	37.8	36.1	39	67.5	9.5	46.4
28	28.4	34.3	37.8	41.4	46	67.5	9.2	53.0
32	34.0	43.6	47.8	48.6	52	69.5	11.7	60.0
36	40.5	43.6	47.8	54.0	58	69.5	11.5	66.2
40	49.0	52.6	57.8	61.0	65	69.5	11.5	72.3

B

TABLE II: MODIFICATION CODES

CONTACT OPTIONS		
Sym	Description	
B0	Connector without Contacts**	
B1	Connector with Gold Plated Contacts	
Omit for standard version (Silver plated)		
STANDARD MATERIAL AND FINISH (*)		
Sym	Description	RoHS
	Omit for Aluminum/ Cadmium Olive Drab	
F6	Aluminum/ Black Electrodeposited Paint	✓
F7	Aluminum/ Black Zinc Nickel	✓
F11	Aluminum/ Electroless Nickel	✓
MB	Marine Bronze/ Unplated	✓
FK	Stainless Steel/ Passivate	✓

TABLE III

ELASTOMER OPTIONS	
Sym	Description
	Omit for Polychloroprene Elastomer
FR	Fire Resistant Elastomer
S	Silicone Elastomer

(*) For further options, please contact the factory.

(**) Crimp Contacts Only