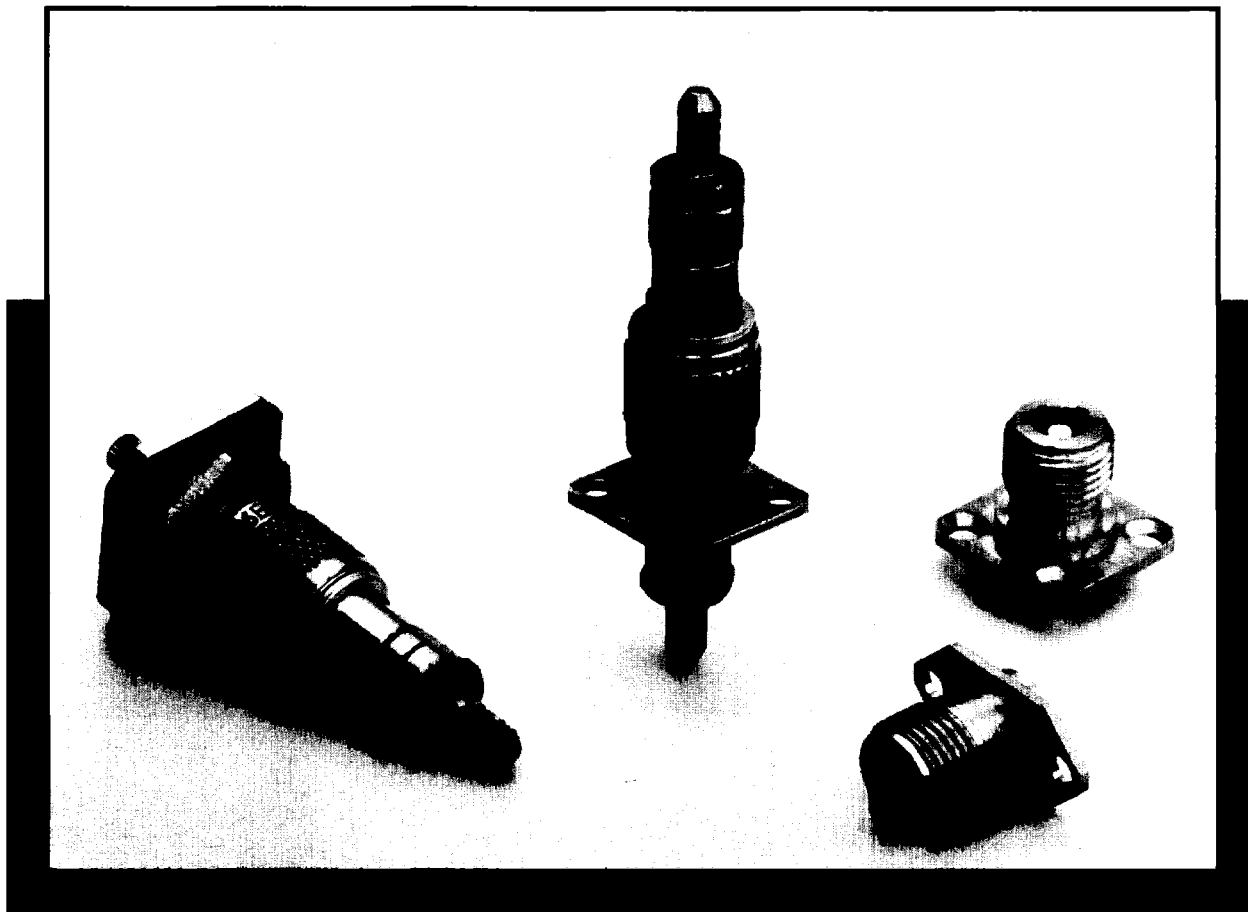




(RSC) RUGGEDISED SINGLEWAY CONNECTOR

- High performance ceramic ferrule connectors
- Rugged construction incorporating environmental sealing
- Manufactured in Arcap for corrosion resistance
- Anti-vibration coupling mechanism
- Singlemode or multimode capability
- Fibre faces easily accessible for cleaning
- Simplified connector termination
- 6 Keyway orientation options
- Full range of ancillary components and tooling



General Specification:

Optical

Attenuation: Typ 0.25 dB (50/125µm fibre)
 Repeatability: better than 0.2dB.
 Fibre types: 8, 50, 62.5, 85/125µm
 100/140µm
 200/230µm
 200/280µm
 200/300µm

Cable Types

Tight jacket kevlar reinforced
 secondary buffered fibre

Mechanical

Temperature range – 65°C to 155°C:
 Cable and epoxy dependent.
 Mechanical endurance >500 mating cycles

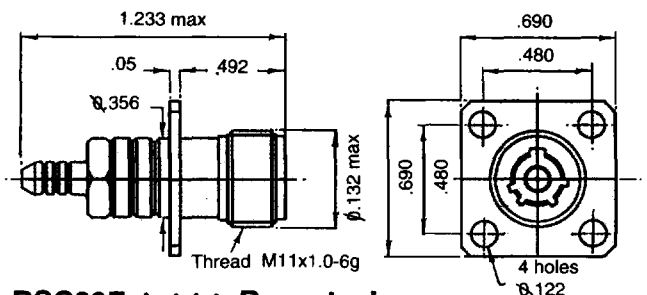
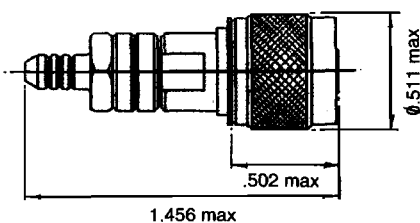
Materials

Shell: Arcap
 Ferrule: Zirconia
 Alignment sleeve: Zirconia
 Seals: Fluorosilicone

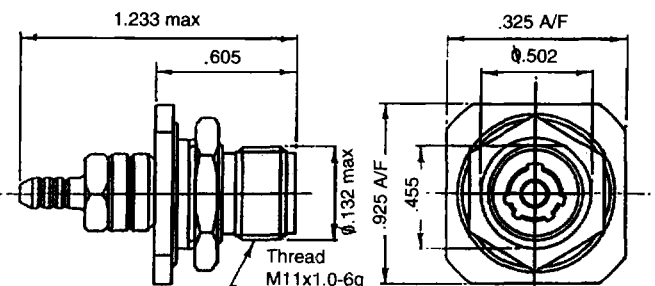
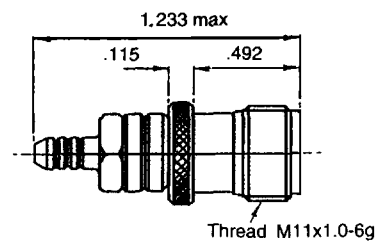
Dimensional Specification:

All dimensions in inches (except threads)

RSC06E-*** Plug

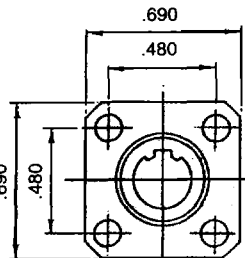
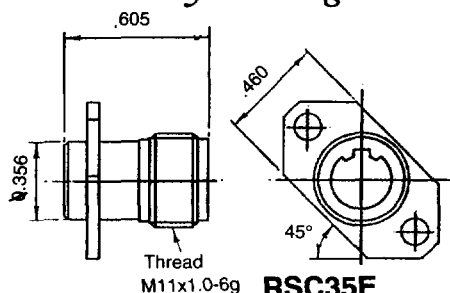


RSC00E-*** Receptacle



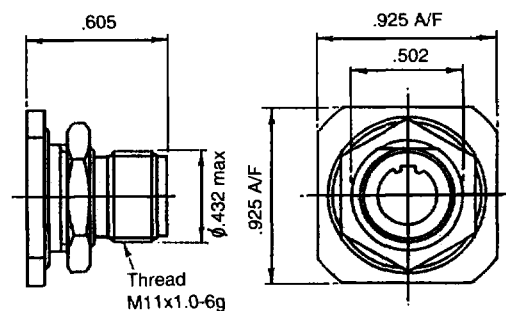
RSC07E-*** Jam Nut Receptacle

RSC02E-*** Free Receptacle Dummy Stowages

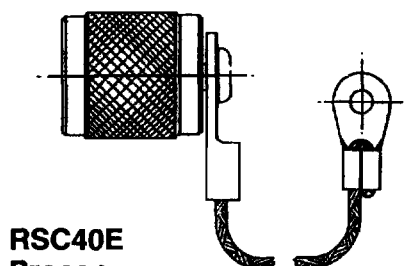


RSC35E 2 Hole Bulkhead

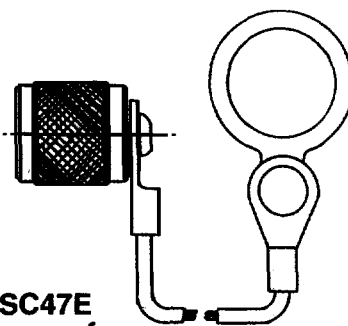
RSC30E 4 Hole Bulkhead



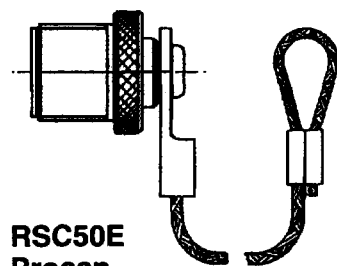
RSC37E Jam Nut Receptacle



RSC40E Procap for Receptacle Connector



RSC47E Procap for jam nut receptacle



RSC50E Procap for Plug Connector



How to Order

RSC ** E - * - ***

Shell Style

- 00 Bulkhead receptacle
- 02 Free receptacle
- 06 Plug
- 07 Jam nut receptacle

Orientation N, A, B, C, D, E

Cable type

- 100 Reinshagen and BNR 2.5mm tight jacket 200/280µm fibre
 - 200 Brand Rex 1.98mm tight jacket 100/140µm fibre
 - 300 Brand Rex 1.65mm tight jacket 100/140µm fibre
 - 700 Cabeltel 1.5mm tight jacket 200/280µm fibre
- For other cable types consult Technical Sales

Example Part number: RSC06E-N-100

Dummy Receptacles and Procaps

Part Number	Description
RSC30E	4 hole fixing dummy receptacle
RSC35E	2 hole fixing dummy receptacle
RSC37E	Jam nut fixing dummy receptacle
RSC40E	Procap for 2 and 4 hole receptacle
RSC47E	Procap for jam nut receptacle
RSC50E	Procap Plug connector

Termination Tools and Consumables

Part Number	Description
454486	Polishing jig
454487	Rubber pads (4 Reqd)
454539	Lapping film set
	comprises:-
454481	Coarse disc (10 off)
454482	DR diamond disc
454483	DM diamond disc
454484	Polishing disc (10 off)
454335	Fibre stripping tool (Hozan)
451724	Spanners (2 reqd)
453228	Fibre cleaving tool
454342	Crimp tool – Primary Crimp
454779	Crimp tool – Secondary Crimp

These items are available separately

Additional Optional Tooling

Part Number	Description
454964	Priorspec Microscope (x200 Mag)
454775	Priorspec RSC adaptor
453936	Heater Block

Ferrule Selection Chart

– must be ordered separately

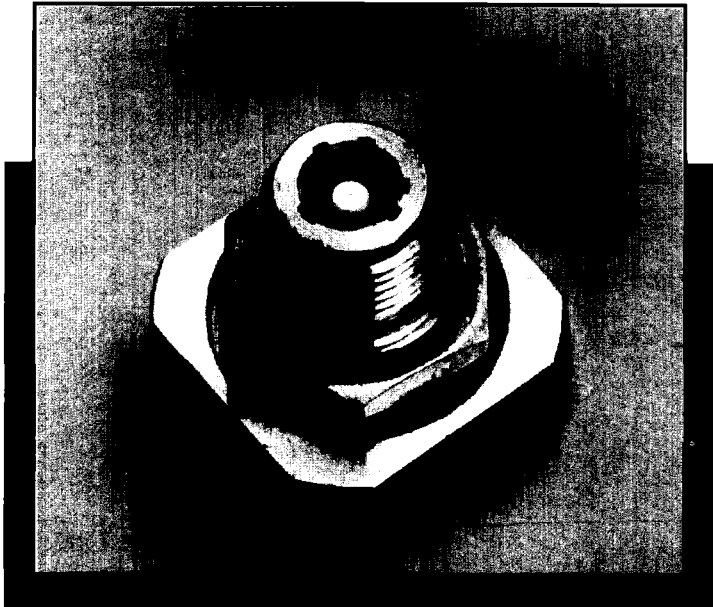
Part Number	Fibre Size
454103-126	} 50, 62.5 80/125µm
454103-127	
454103-128	
454103-141	} 100/140µm
454103-145	
454103-232	200/230µm
454103-283	200/280µm
453800-305	200/300µm

Consumables

Part Number	Description
454257	Epoxy Kit 353ND
454297	Syringe Kit
450490	Spatula (6 Off)
454299	Scalpel + Blades

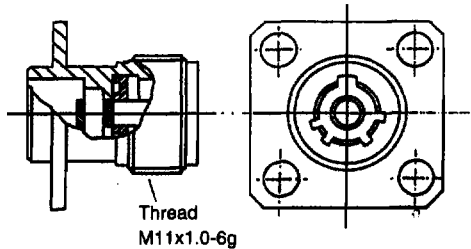


HERMETIC RECEPTACLE (HR·RSC)

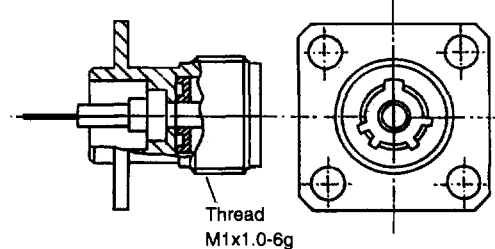


- Compatible with the RSC plug connector
- Plain ferrule with polished fibre both ends or pigtail version
- Leak rate $< 1 \times 10^{-6}$ cc/s
- 125°C temperature rating

HR-RSC-F-*-*-*



HR-RSC-P-*-*-*-*



Dimensions as for RSC receptacle unless otherwise requested

How to Order

HR-RSC - * - * - * - * - *

Ferrule Type
F Ferrule only
P Pigtail*

Pigtail Length: cms
*for pigtail options only

Orientation N, A, B, C, D, E

Fibre Size: 125, 140, 280 μ m

*Note pigtail cable 900 μ m buffer only

For further information contact technical sales

PDS3/92



DEUTSCH
LTD

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