



Multimode 62.5/125 Single Channel ST FORJ

BGB Part No: **GA4438-01**

Fibre Optic Rotary Joint (FORJ) for high-speed data transfer. Constructed from Stainless Steel, this unit is designed to be chemically resilient and rugged.

As a FORJ with bulkhead connections, the customer is offered a greater flexibility in choice of cable and connectors to suit their application/environment versus conventional pig-tailed FORJs.

Rigorously tested by Deutsch UK Ltd to: EN2591-601, (Aerospace series - Elements of electrical and optical connection Part 601: Optical elements - Insertion loss) and to EIA standards.

As standard the FORJ is offered as an OM1 62.5/125 unit. This is often compatible with single-mode data transceivers but please contact BGB for guidance.

Other fibre designations are available at request.

Fibre Optic Channel Characteristics

Channels	1
Connector	Bulkhead ST
Fibre Type	Multimode OM1 62.5/125
Pig-tail length	n/a
Wavelength	Suitable for 850 to 1550nm. Optimised insertion loss at 1310 and 1550nm.
Return loss, typical (dB)	14
Insertion loss, maximum (dB)	3.0
Insertion loss, variation (dB)	1.0

Mechanical and Environmental Capability

Rotational speed, maximum (rpm)	5,000
Lifetime (cycles)	50M
Torque, typical/maximum (N.m)	1.0/2.0
Across all temperatures	
Case material	Stainless Steel 303
IP level	68 when terminated
Mass (kg)	0.19
Operating Temperature (°C/°F)	-40°C to 120°C -40°F to 248°F

