

Stratos HMA2 Connector

The Cinch Advantage

The STRATOS HMA2 has been developed leveraging off our original STRATOS HMA connector – the industry benchmark for expanded beam connectivity. The development utilised over 30 years of experience in developing and manufacturing fibre optic connectors and cable harnesses for a wide variety of industries.

The STRATOS HMA2 is fully backward compatible to our original STRATOS HMA and offers advantages such as improved optical and environment performance, and a simplified assembly process whilst maintaining the long-standing reliability of the STRATOS brand providing the end user an industry leading expanded beam fibre optic connectivity.

STRATOS HMA2 is designed in accordance with MIL-DTL-83526 specification for applications used in the most demanding harsh environment including military tactical communications, outside broadcast, petrochemical plant, mining and offshore systems.

The STRATOS HMA2's hermaphroditic coupling eliminates the need for adaptors and male and female mating halves. Hermaphroditic housings allow for rapid deployment, creating low loss Multimode daisy chain links and can be available in 2 and 4ch fibre applications.

Features

- Advanced expanded beam technology
- Fully Compatible and Interoperable with STRATOS HMA, FIBRECO JUNIOR
- Improved Optical Performance
- Hermaphroditic interconnection
- 1 to 4 fiber channels multimode
- Rugged field repairable connector design keyed boot for 'blind mating'
- Easy clean, no special tools
- Variety of Cable Sizes and boot options
- Designed to meet mechanical requirements of MIL-DTL-83526/20/21

Applications

- Tactical Military Communication Systems
- Outside Broadcast
- Harsh Environment Oil & Gas



STRATOS HMA2 Connector

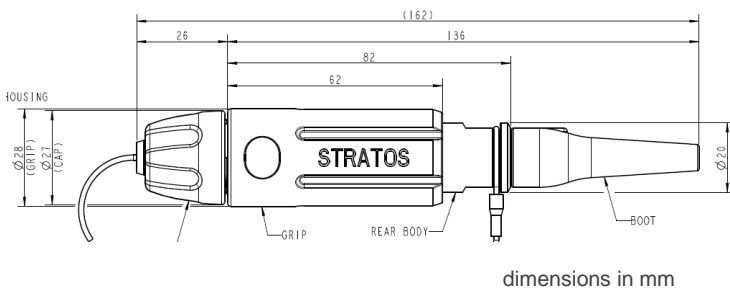


Technical Specification Stratos HMA2 Expanded Beam Connector

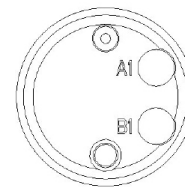
Insertion Loss	50/125 Fiber at 850nm / 1300nm: nominal -0.7dB*
Return Loss	>20dB Multimode*
Durability	3000 Mating's minimum
High Temperature Storage	+85°C for 16 hours
Low Temperature Storage	-55°C for 16 hours
Water Immersion	15m for 24 hours (Plug & Bulkhead, Mated & Open Face)
Free Fall Resistance	500 Falls from 1.2m height
Vibration	20-500Hz, 3 directions, 0.75mm amplitude @ 10g acceleration
Stock	50g 11ms Half Sine
Crush Resistance	6.7kN
Corrosion Resistance	500 Hours Salt Spray
Cable Retention	1500N (Cable Dependent)
Weight (approx)	Aluminum: Plug: 120g Bulkhead: 110g / Stainless Steel: Plug: 180g Bulkhead: 200g
Connector Shell Material / Color	Black or Olive Green Anodized Aluminum or Stainless Steel - Grip & boot: Black or Olive Green

*When tested against a reference

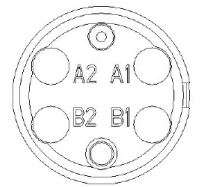
Plug Connector



Insert Arrangements

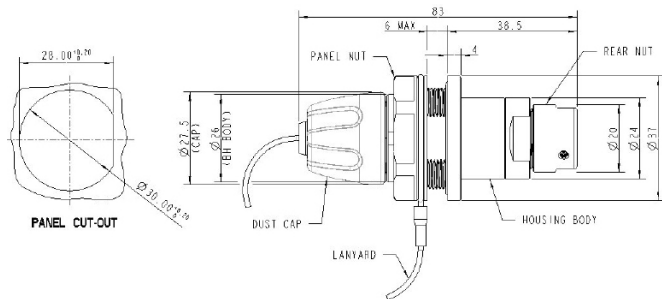


2 channel

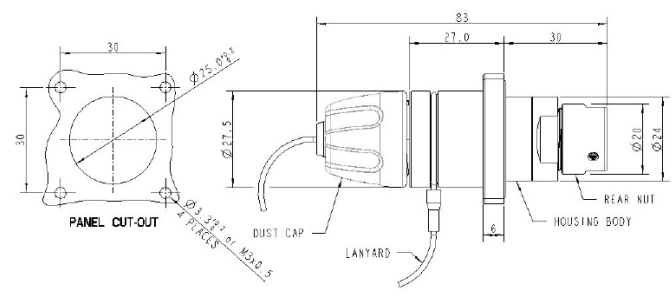


4 channel

HMA Jam Nut Bulkhead



HMA Flange Mount Bulkhead



Cinch Connectivity Solutions reserves the right to change any specification without notice



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