## LMA 20H Series - Circular Backshells

For use with: MIL-DTL-38999 Series III/EN3645, MIL-DTL-38999 Series IV

LMA 20 H 1 - 13 - 1 - B

#### **Features**

- Designed for connectors with optical contacts to accommodate the push back of the cable during the connector mating
- Sealing and strain relief of backshell by heat shrink boot

# **Additional Component Required**

Part no example:

Heat Shrinkable Boot



Range prefix

**Backshell series** 

20 = Strain relief for connectors with optical contacts

Connector interface

H = MIL-DTL-38999 series III MIL-DTL-38999 series IV

Compatible with connector series: 8D, JVS, TV, DTS, KJA/KJB, 233-105, and others\*

Angle

1 = Straight

Shell size 09 to 25

See table 1

#### **Plating**

- B = Cadmium drab olive
- C = Electroless nickel
- ZB = Zinc cobalt olive drab
- ZN = Zinc nickel black
- Z = Shot blasted (NAB only)
- U = Unplated clean finish(NAB only)

### Material

- 1 = Aluminium
- 2 = Nickel Aluminium Bronze (NAB)
- 3 = Stainless Steel 303 S31/304

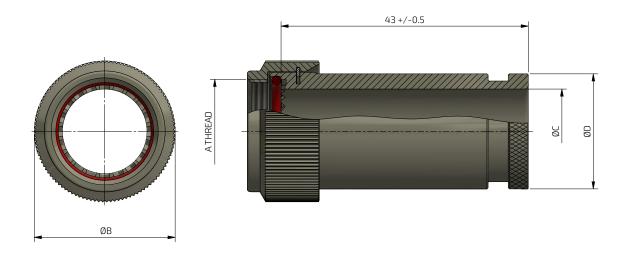
# Recommended Torque Values (in Nm) \*\*

Shell size								
9	11	13	15	17	19	21	23	25
6	8.5	12	13	13	13	15	15	15

Contact local Sales Office for details

<sup>\*\* -</sup> Before tightening the spin-coupling adapter, ensure the backshell teeth are correctly aligned and meshed with the connector teeth





Shell size	A thread	ØB max	ØC ± 0.25	ØD ± 0.25
09	M12 x 1.0	18.25	8.6	14.5
11	M15 x 1.0	21.25	11.7	17.0
13	M18 x 1.0	24.75	14.7	20.0
15	M22 x 1.0	29.75	17.5	23.0
17	M25 x 1.0	33.25	20.5	25.0
19	M28 x 1.0	35.75	22.5	27.0
21	M31 x 1.0	37.55	26.4	30.7
23	M34 x 1.0	40.25	29.6	34.0
25	M37 x 1.0	44.25	32.1	37.0

# **Recommended Heat Shrinkable Boots**

	Part numbers (HellermannTyton)					
Shell size	Straight (150 Series) Recomended for use in straight and 90° backshells	45° (1800 Series)	90° (1100 Series) Where space permits, 90 degree boots can be used on straight backshells			
09	152-42	N/A	1152-4			
11	154-42	N/A	1154-4			
13	155-42	1803-4	1155-4			
15	156-42	1807-4	1156-4			
17	156-42	1807-4	1156-4			
19	156-42	1807-4	1156-4			
21	157-42	1806-4	1157-4			
23	157-42	1806-4	1157-4			
25	158-41	1806-4	1158-4			



The example part numbers indicated above provide a reference only to dimensional suitability with the associated backshell dimensions. As many different cable types, materials and dimensions can used within any given backshell assembly, it is important that the end-user carefully considers all aspects of the final assembly requirements when selecting and specifying appropriate part numbers.

For full part number details, see the Hellermann Tyton catalogue at fclane.com website. Heat shrink boots and adhesive options are available from FC Lane Electronics Ltd.