



Manufacturers of High Quality Connectors and Accessories

LMH CONNECTORS

Miniature bayonet lock connectors designed to perform to the requirements of MIL-DTL-26482 Series 1 specification.



wealdelectronics.com





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Lodge Group

Established in 1976, Weald Electronics is part of the privately-owned Lodge Group which includes the connector distributor FC Lane Electronics and its Autosport Division, Lane Motorsport.

Weald Electronics is predominantly known for its comprehensive selection of circular bayonet and screw coupling power and filtered circular connectors, PCB Edge Card, two-part PCB and sub-miniature plastic-bodied circular connectors.

To complete your interconnection solution, Weald manufactures protective caps and backshells for MIL-DTL-38999 and 26482 applications as well as protective caps, nut plates and gaskets for use right across motorsport.

With design, manufacturing and test facilities at its Slinfold Lodge HQ, Weald Electronics is able to tailor a connector solution to exactly meet a customer's specific requirement on surprisingly short lead times. Standard products are normally available by next day.

Products from Weald Electronics Ltd are available from FC Lane Electronics Ltd.

t: +44 (0) 1403 790 661

e: sales@fclane.com

w: fclane.com

LMH Range General Information

This range of miniature bayonet connectors is manufactured in accordance with BS 9522 F0017 and BS/CECC 75201-003, and performs to requirements of MIL-DTL-26482 Series 1 (Solder Terminations). The range comprises 9 shell sizes and various styles. Configuration of contacts varies from 2 to 61, spread across the nine shell sizes.

Basic Construction

Connector shells are manufactured from aluminium alloy. The standard shell has a high resistance to corrosion with an olive drab chromate conversion over cadmium plate finish. Inserts are of polychloroprene, compounded to a WEALD specification. Operating temperature range is -55°C to +125°C. The connectors have gold plated, non-removable, solder or PCB type contacts.

EMC Screening

To satisfy electromagnetic compatibility (EMC) and electromagnetic pulse (EMP) requirements, free shells can be fitted with grounding fingers. Fixed and free shells can be fitted with accessories for screened cable termination.

Polarisation

To avoid mis-mating with similar connectors which may be adjacently mounted, LMH connectors may be polarised thus:

- Angular Disposition of the Inserts within the Shell providing up to four different orientations other than Normal (N). These are designated W, X, Y, Z.
See Table on page 12 for variations available in each planform, or;
- The Position of Shell Keys and Keyways providing up to four different polarisations other than normal (N). These are designated B, C, E, F (see page 13).

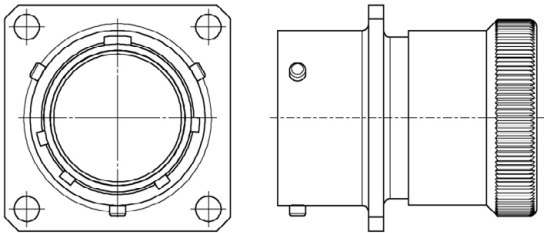
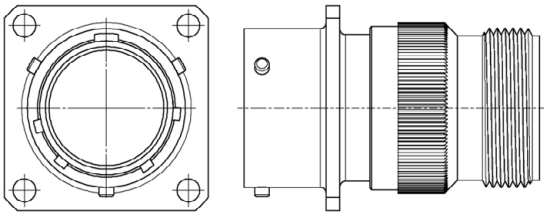
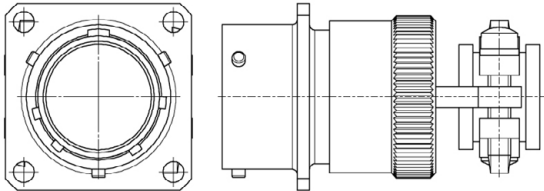
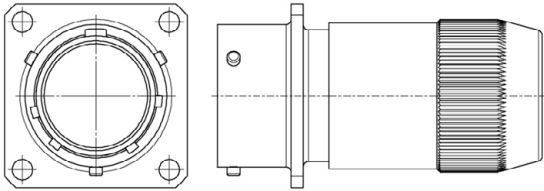
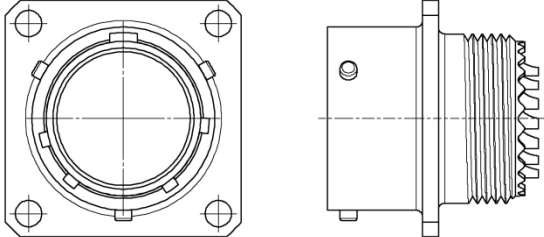
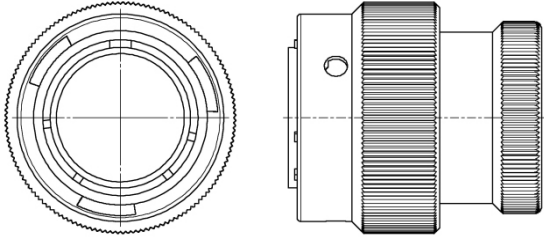
With these variations, inserts can be supplied only with the Normal (N) position.

LMH Standard Characteristics

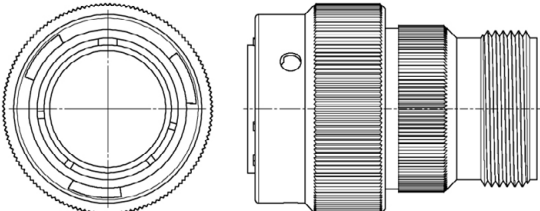
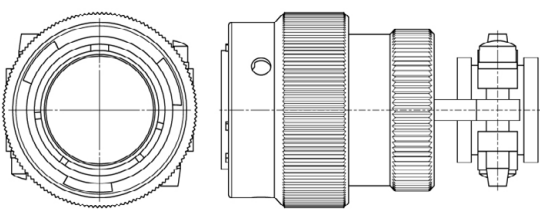
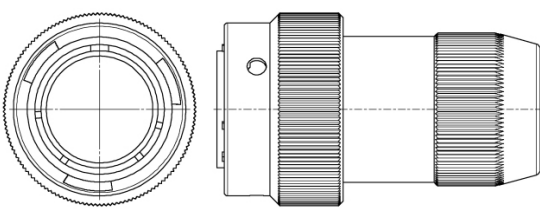
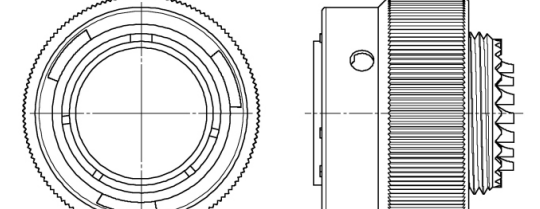
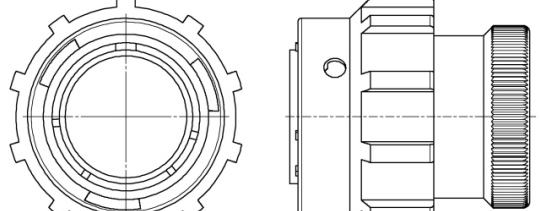
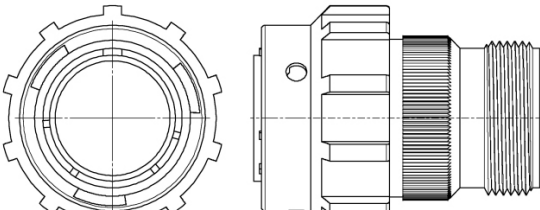
Environmental category	55/125/56
Low pressure severity	44 millibars
Number of contacts	2 to 61
Contact termination	Solder (solder bucket and PCB)
Solder bucket diameter	Size 20 – 1.40 mm Size 16 – 1.78 mm Size 12 – 2.85 mm Size 08 – 5.20 mm
Maximum current rating at 85°C: per individual contact in isolation	Size 20 – 7.5 amps Size 16 – 13.0 amps Size 12 – 23.0 amps Size 08 – 45.0 amps
per contact through all contacts simultaneously	Size 20 – 5.0 amps Size 16 – 10.0 amps Size 12 – 20.0 amps Size 08 – 40.0 amps
Contact finish	Gold plated
Working voltage DC or AC peak (at sea level)	Size 20 – 700 volts Size 16 – 1200 volts Size 12 – 1500 volts Size 08 – 1500 volts
Sealing	Environmentally resistant with barrier or barrier and panel seal
Housing (shell) material*	Aluminium alloy
Housing (shell) finish*	Olive drab chromate conversion over cadmium plate

* - Other materials and finishes are available. Contact local Sales Office for further information.

Shell Styles

Style 00E Fixed, square flange mounting with grommet and grommet nut See page 23			Mates with styles 06 46
Style 00EA Fixed, square flange mounting with A endbell adaptor See page 24			Mates with styles 06 46
Style 00F Fixed, square flange mounting with grommet and cable clamp See page 23			Mates with styles 06 46
Style 00J Fixed, square flange mounting with J sealing gland See page 24			Mates with styles 06 46
Style 00T Fixed, square flange mounting with accessory thread See page 19			Mates with styles 06 46
Style 06E Free, fine knurled coupling nut with grommet and gr. nut Style 06EG Free, fine knurled coupling nut with grommet, grommet nut and grounding fingers See page 21			Mates with styles 00 01 02 07 47

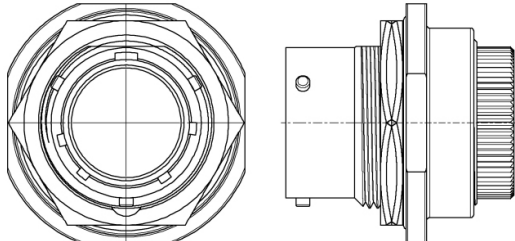
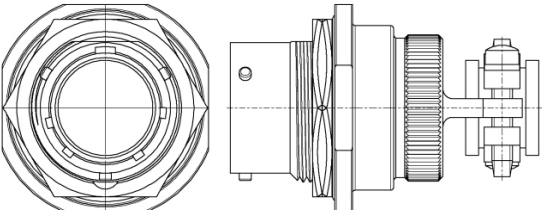
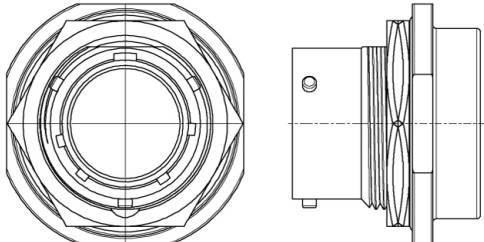
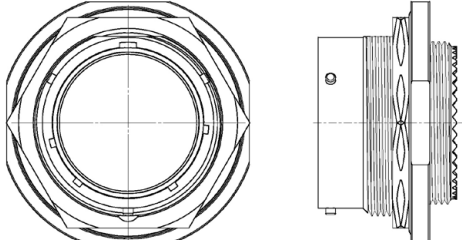
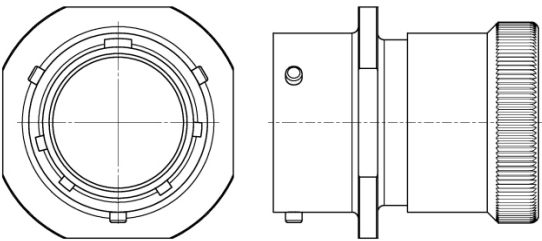
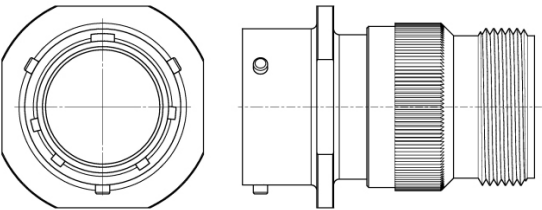
Shell Styles

Style 06EA Free, fine knurled coupling nut with A endbell adaptor Style 06EAG Free, fine knurled coupling nut with A endbell adaptor and grounding fingers See page 26			Mates with styles 00 01 02 07 47
Style 06F Free, fine knurled coupling nut with gr. and cable clamp Style 06FG Free, fine knurled coupling nut with grommet, cable clamp and grounding fingers See page 27			Mates with styles 00 01 02 07 47
Style 06J Free, fine knurled coupling nut with J sealing gland See page 26			Mates with styles 00 01 02 07 47
Style 06T Free, fine knurled coupling nut Style 06TG Free, fine knurled coupling nut with grounding fingers See page 21			Mates with styles 00 01 02 07 47
Style 46E Free, coarse ribbed coupling nut with grommet and gr. nut Style 46EG Free, coarse ribbed coupling nut with grommet, grommet nut and grounding fingers See page 21			Mates with styles 00 01 02 07 47
Style 46EA Free, coarse ribbed coupling nut with A endbell adaptor Style 46EAG Free, coarse ribbed coupling nut with A endbell adaptor and grounding fingers See page 26			Mates with styles 00 01 02 07 47

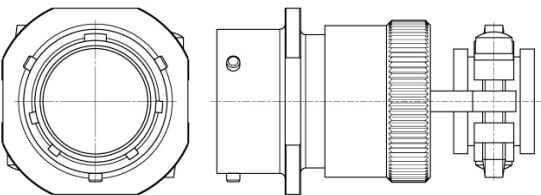
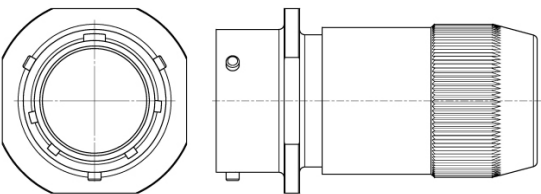
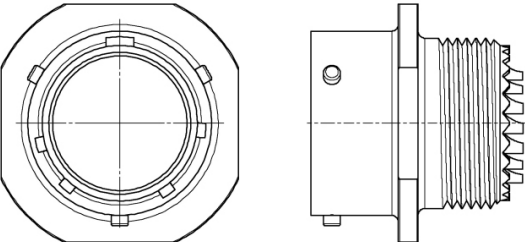
Shell Styles

Style 46F Free, coarse ribbed coupling nut with gr. and cable clamp Style 46FG Free, coarse ribbed coupling nut with grommet, cable clamp and grounding fingers See page 25			Mates with styles 00 01 02 07 47
Style 46J Free, coarse ribbed coupling nut with J sealing gland See page 26			Mates with styles 00 01 02 07 47
Style 46T Free, coarse ribbed coupling nut Style 46TG Free, coarse ribbed coupling nut with grounding fingers See page 21			Mates with styles 00 01 02 07 47
Style 46TG 245/255/265 Free, for overmoulding, coarse ribbed coupling nut with grounding fingers See page 31			Mates with styles 00 01 02 07 47
Style 02A Fixed, square flange mounting without accessory thread See page 19			Mates with styles 06 46
Style 07A Fixed, single hole mounting with 'O' ring panel seal without accessory thread See page 20			Mates with styles 06 46

Shell Styles

Style 07E Fixed, single hole mounting with 'O' ring panel seal, grommet and grommet nut See page 27			Mates with styles 06 46
Style 07F Fixed, single hole mounting with 'O' ring panel seal, grommet and cable clamp See page 27			Mates with styles 06 46
Style 07T Fixed, single hole mounting with 'O' ring panel seal and internal accessory thread See page 20			Mates with styles 06 46
Style 47T Fixed, single hole mounting with 'O' ring panel seal and external accessory thread See page 30			Mates with styles 06 46
Style 01E Free coupler with grommet and grommet nut See page 28			Mates with styles 06 46
Style 01EA Free coupler with A endbell adaptor See page 29			Mates with styles 06 46

Shell Styles

Style 01F Free coupler with grommet and cable clamp See page 28			Mates with styles 06 46
Style 01J Free coupler with J sealing gland See page 29			Mates with styles 06 46
Style 01T Free coupler with accessory thread See page 22			Mates with styles 06 46

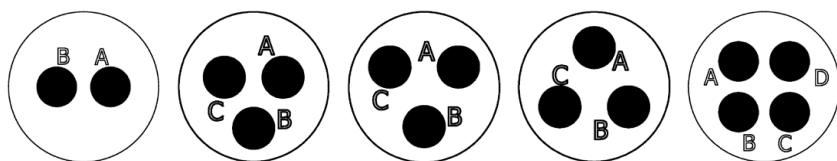
Contact Arrangement Availability

Shell size	Number of contacts																			
	2	3	4	5	6	7	8	10	11	12	14	15	16	19	26	32	41	55	61	
08	08-02	08-03 08-98 08-33	08-04																	
10	10-02				10-06	10-07														
12		12-03	12-04				12-08	12-10			12-14									
14	14-02		14-04	14-05 14-22		14-07				14-12		14-15		14-19						
16			16-04				16-08								16-26					
18	18-02								18-11							18-32				
20													20-16				20-41			
22			22-04															22-55		
24																			24-61	

Contact Arrangement

Symbol	Contact size	Voltage rating at sea level
	20	700V
	16	1200V
	12	1500V
	8	1500V

Shell size 08



08-02

08-03

08-98 (8-3A)*

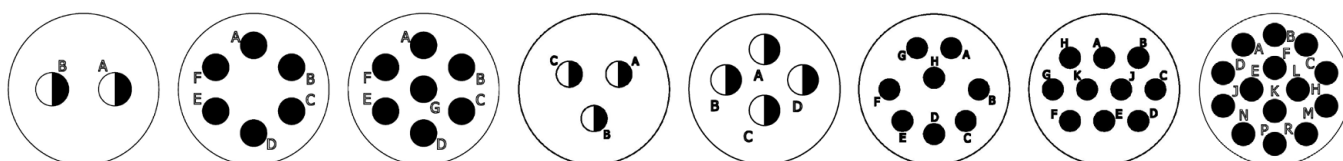
08-33

08-04

* - Planform 08-98 is equivalent to 8-3A according to VG 95328 specification.

Shell size 10

Shell size 12



10-02

10-06

10-07

12-03

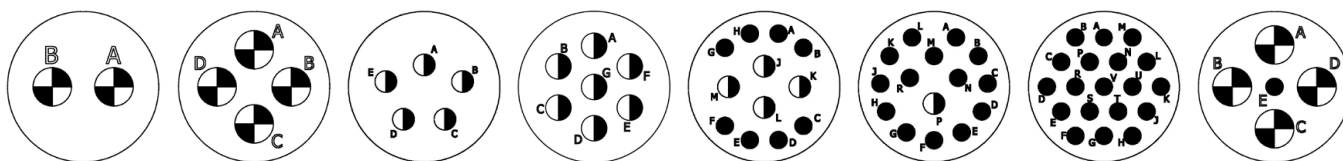
12-04

12-08

12-10

12-14

Shell size 14



14-02

14-04

14-05

14-07

14-12

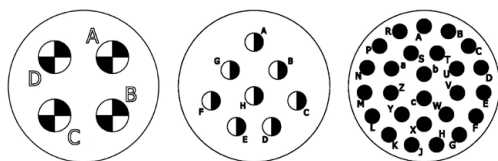
14-15

14-19

14-22

Shell size 16

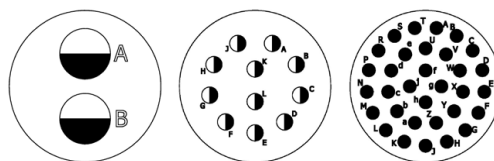
Shell size 18



16-04

16-08

16-26



18-02

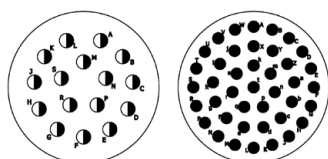
18-11

18-32

Shell size 20

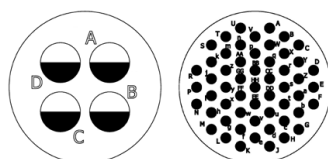
Shell size 22

Shell size 24



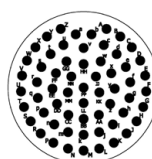
20-16

20-41



22-04

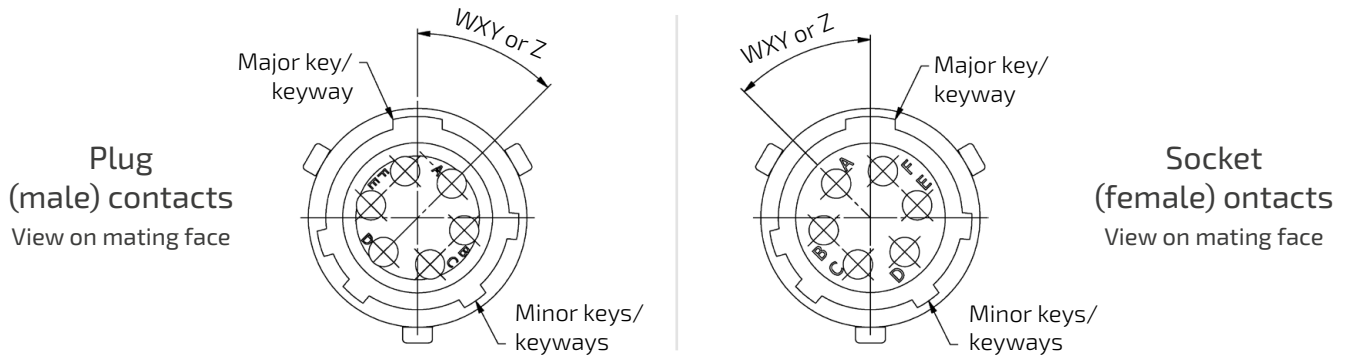
22-55



24-61

Orientation (Inserts)

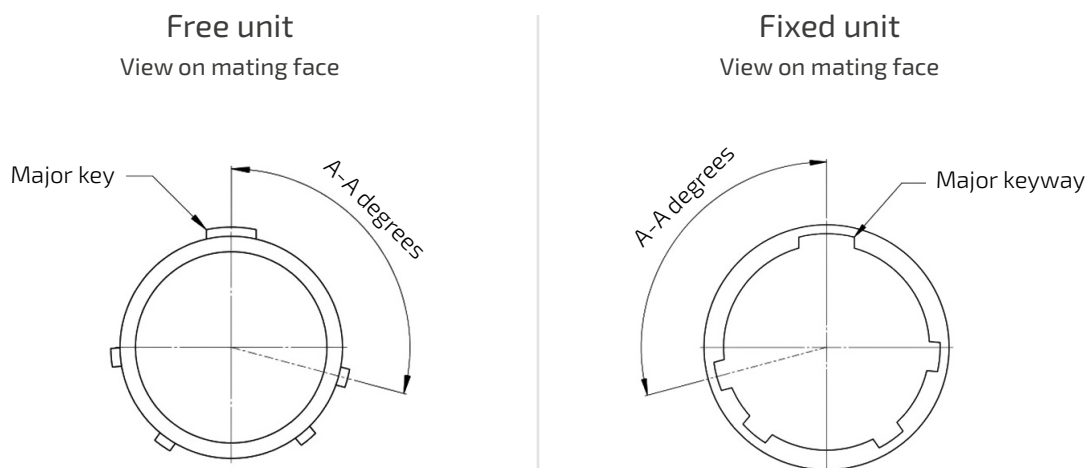
Connectors can be supplied with the moulding inserts in up to 4 alternative positions to 'Normal' (N) in relation to major key/keyway. The 'Normal' (N) position is when the 'A' contact is adjacent to the major key/keyway. See table below for orientations available for each size. Insert orientation is not preferred and is intended for replacement purposes only.



Shell size	Contact arrangement	Number of contacts				Insert orientation (degrees)			
		Size 20	Size 16	Size 12	Size 8	W	X	Y	Z
8	08-02	2				58	122	-	-
	08-03	3				-	-	-	-
	08-98 (8-3A)	3				-	-	-	-
	08-33	3				90	-	-	-
	08-04	4				45	-	-	-
10	10-02		2			-	-	-	-
	10-06	6				90	-	-	-
	10-07	7				-	-	-	-
12	12-03		3			-	-	180	-
	12-04		4			-	-	-	-
	12-08	8				-	-	-	-
	12-10	10				60	155	270	295
	12-14	14				-	-	-	-
14	14-02			2		-	-	-	-
	14-04			4		-	-	-	-
	14-05		5			40	92	184	273
	14-07		7			-	-	-	-
	14-12	8	4			43	90	-	-
	14-15	14	1			17	110	155	234
	14-19	19				30	165	315	-
16	14-22	1		4		-	-	-	-
	16-04			4		-	-	-	-
	16-08		8			54	152	180	331
18	16-26	26				60	-	275	338
	18-02				2	-	-	-	-
	18-11		11			62	119	241	340
20	18-32	32				85	138	222	265
	20-16		16			238	318	333	347
22	20-41	41				45	126	225	-
	22-04				4	-	-	-	-
24	22-55	55				30	142	226	314
	24-61	61				90	180	270	324

Shell Polarisation

Key and keyways relate to free and fixed connectors respectively. The diagrams and table below show the angular versions of key/keyways for each polarisation in this connector range. The major key/keyway, shown on the vertical line, is the datum point.



Shell size	Orientations (A-A)				
	Normal	B	C	E	F
8	105	-	-	118	82
10	105	85	125	115	85
12	105	89	121	115	85
14	105	91	119	75	120
16	105	93	117	75	120
18	105	95	115	75	120
20	105	95	115	75	120
22	105	97	113	75	120
24	105	97	113	75	120

Weald Code Ordering Information - Connectors

Part no example:

LMH 06 E 16 26 P N 101

Range prefix											
Shell style 00 – Fixed, square flange mounting with accessory thread 01 – Free coupler 02 – Fixed, square flange mounting 06 – Free, fine knurled coupling nut 07 – Fixed, single hole mounting with panel seal, with or without internal accessory thread 46 – Free, coarse ribbed coupling nut 47 – Fixed, single hole mounting with panel seal and external accessory thread						Variant Omit for std cadmium, olive drab * 101 – Zinc cobalt, olive drab 102 – Electroless nickel 108 – Zinc cobalt, black 138 – Zinc nickel, black 203 – PCB contacts Ø0,94 x 2mm long Cadmium, olive drab *** 207 – PCB contacts Ø0,76 x 2mm long Cadmium, olive drab *** 245 – Connector for overmoulding, Zinc nickel, black (style 46TG only), see page 31 255 – Connector for overmoulding, Cadmium olive drab (style 46TG only), see page 31 265 – Connector for overmoulding, Zinc cobalt olive drab (style 46TG only), see page 31 For other variants please contact local Sales Office					
Class A – Connector without accessory thread T – Connector without grommet and accessory fittings E – Connector with grommet and grommet nut ** F – Connector with grommet and cable clamp ** EA – Connector with A endbell adaptor J – Connector with J sealing gland TG – Free connector without grommet and accessory fittings, with grounding fingers EG – Free connector with grommet and grommet nut, with grounding fingers ** FG – Free connector with grommet and cable clamp, with grounding fingers ** EAG – Free connector with A endbell adaptor and grounding fingers						Orientation/Polarisation N – Neutral (normal) orientation and polarisation <table border="1"> <tr> <td>W X Y Z</td> <td>Orientation by insert rotation Refer to page 12</td> </tr> <tr> <td>B C E F</td> <td>Polarisation by relative displacement of keys/keyways Refer to page 13</td> </tr> </table>		W X Y Z	Orientation by insert rotation Refer to page 12	B C E F	Polarisation by relative displacement of keys/keyways Refer to page 13
W X Y Z	Orientation by insert rotation Refer to page 12										
B C E F	Polarisation by relative displacement of keys/keyways Refer to page 13										
Shell size 08 - 24 inclusive in even number increments						Contact P – Pin (male contact) S – Socket (female contact)					
						Contact arrangement Refer to page 11					

* – Cadmium plated variants are non RoHS compliant.

** – For power connectors, 12-14 and 14-07 planforms rubber grommet is omitted.

*** – For details and other PCB contact variants see page 42.

Weald Code Ordering Information - Accessories

Part no example:

LMA 1039 16 26 00

Range prefix				Variant ** 00 – Cadmium, olive drab (standard) * 101 – Zinc cobalt, olive drab 102 – Electroless nickel 108 – Zinc cobalt, black 138 – Zinc nickel, black For other variants please contact local Sales Office
Accessory type 1025 – Clamp grommet 1036 – A endbell adaptor 1038 – Cable clamp assembly with internal thread (standard) 1039 – Grommet nut assembly with internal thread 1040 – Cable clamp assembly with internal thread (long) 1053 – Protective cap with cord for free connector 1054 – Protective cap with cord for square flange connector 1055 – Protective cap with cord for single hole mounting connector 1065 – Protective cap with chain for square flange connector 1066 – Protective cap with chain for single hole mounting connector 1067 – Protective cap with chain for free connector 1071 – Square flange mounting gasket (non electrically conductive) 1110 – J sealing gland 1181 – Grommet nut assembly with external thread 1186 – Cable clamp assembly with external thread 2201 – Cable clamp assembly with internal thread without grommet (for power connectors, 12-14 and 14-07 planf.) 2202 – Grommet nut assembly with int. thread without grommet (for power connectors, 12-14 and 14-07 planf.) 2204 – Cable clamp assembly with ext. thread without grommet (for power connectors, 12-14 and 14-07 planf.) 8509 – 360° Screened cable termination 8526 – Square flange mounting gasket (electrically conductive) 8527 – 'O' ring seal for single hole mounting connector (electrically conductive)				Contact arrangement ** Refer to page 11
				Shell size 08 - 24 inclusive in even number increments Represents dia. of female shell in 1.6 mm steps
			In addition to the standard accessories listed on this page, we offer adaptors to provide EMI/RFI shielding and the fitment of heat shrink boots from our LMA19 Series, along with a wide range of protective caps from our LMD Series. For more details contact local Sales Office or visit our website www.wealdelectronics.com	

* – Cadmium plated variants are non RoHS compliant.

** – When applicable.

CECC Part Number Examples

Connector part no example: CECC 75201-003 A 08 33 M S N 2 A 1 H

Accessory part no example: CECC 75201-003 A 08 33 B A

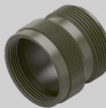
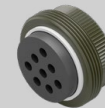
BS 9000 Part Number Examples

Connector part no example: C 2096 16 26 M N O

Accessory part no example: A 2102 16 26 O

The above CECC and BS 9000 part numbers are for reference only. We can offer direct alternatives of the LMH connectors manufactured in accordance with the specification, but not released to CECC and BS approvals. For details please contact local Sales Office.

Possible Shell and Accessory Combinations

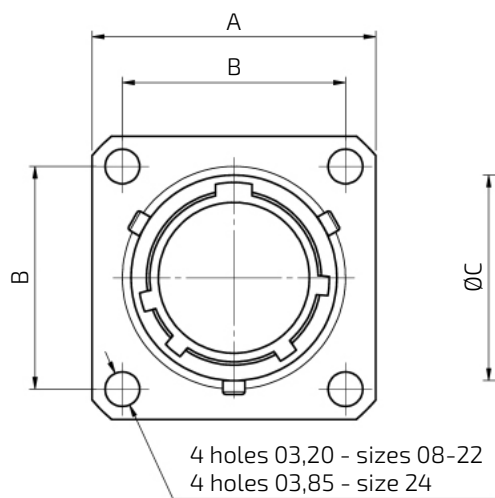
Accessories		LMA1039 	LMA1036 	LMA1038 	LMA1110 	LMA1181 	LMA1186 
Connector styles	00T 	00E 	00EA 	00F 	00J 		
	02A 						
	06T 	06E 	06EA 	06F 	06J 		
	06TG 	06EG 	06EAG 	06FG 			
	46T 	46E 	46EA 	46F 	46J 		
	46TG 	46EG 	46EAG 	46FG 			
	46TG 265/246 						
	07A 						
	07T 					07E 	07F 
	47T* 						
	01T 	01E 	01EA 	01F 	01J 		

* - For connectors style 47 order accessories separately.

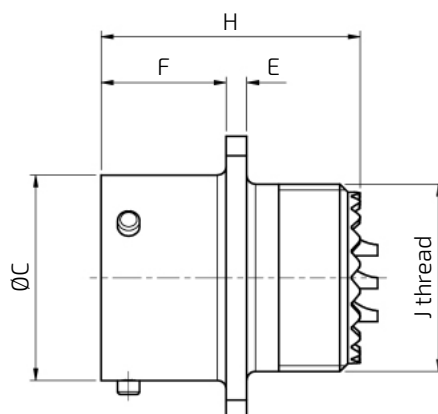
Mating Combinations

Fixed Connectors			
Fixed, square flange mounting with accessory thread, with or without accessories Styles: 00T, 00E, 00EA, 00F, 00J			
Fixed, square flange mounting without accessory thread Styles: 02A, 02B, 02K			
Free coupler with accessory thread, with or without accessories Styles: 01T, 01E, 01EA, 01F, 01J			
Fixed, single hole mounting with 'o' ring panel seal without accessory thread Styles: 07A, 07B			Free, fine knurled coupling nut with or without grounding fingers, with accessory thread, with or without accessories Styles: 06T, 06E, 06EA, 06F, 06J, 06TG, 06EG, 06EAG, 06FG
Fixed, single hole mounting with 'o' ring panel seal, internal accessory thread, with or without accessories Styles: 07T, 07E, 07F			Free, coarse knurled coupling nut with or without grounding fingers, with accessory thread, with or without accessories Styles: 46T, 46E, 46EA, 46F, 46J, 46TG, 46EG, 46EAG, 46FG
Fixed, single hole mounting with 'o' ring panel seal, external accessory thread, with or without accessories Style: 47T			

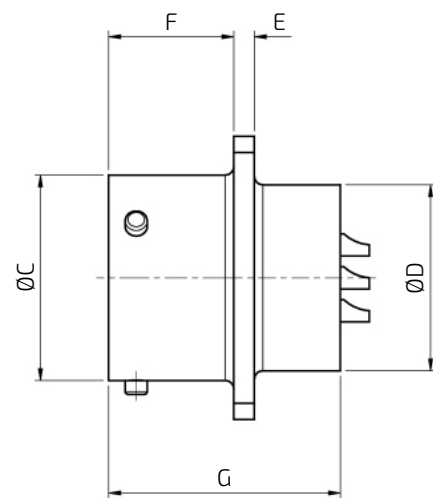
Styles 02A and 00T Connectors



Style 00T/02A
Front view



Style 00T (BS C2096)
Fixed square flange mounting
with accessory thread



Style 02A (BS C2097)
Fixed square flange mounting
without accessory thread

Shell size	A square max	B ± 0.15	ØC max	ØD max	E max	F max	G max	H	J thread to BS 1580 2A
08	21.03	15.08	12.04	11.91	2.00	11.73	21.40	23.95	0.4375" - 28 UNEF
10	24.23	18.26	15.01	14.20	2.00	11.73	21.40	23.95	0.5625" - 24 UNEF
12	26.59	20.62	19.07	18.26	2.00	11.73	21.40	23.95	0.6875" - 24 UNEF
14	28.98	23.01	22.25	21.41	2.00	11.73	21.40	23.95	0.8125" - 20 UNEF
16	31.34	24.61	25.42	24.61	2.00	11.73	21.40	23.95	0.9375" - 20 UNEF
18	33.73	26.97	28.60	27.76	2.00	11.73	21.40	23.95	1.0625" - 18 UNEF
20	36.91	29.36	31.77	30.96	2.80	14.91	27.00	27.30	1.1875" - 18 UNEF
22	40.08	31.75	34.95	34.11	2.80	14.91	27.00	27.30	1.3125" - 18 UNEF
24	43.26	34.93	38.12	37.31	2.80	15.75	28.60	29.00	1.4375" - 18 UNEF

For contact arrangements available for each size see page 10.

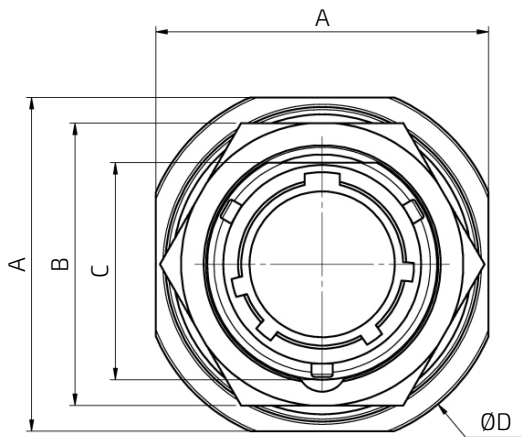
For orientation and polarisation options available see pages 12 and 13.

For panel piercing details see page 43.

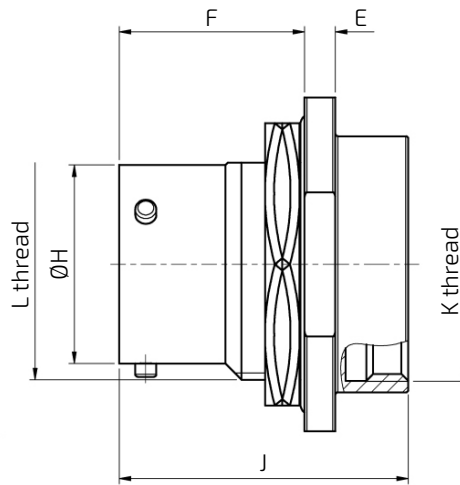
For PCB version see page 42.

Note: All dimensions are in millimeters (mm).

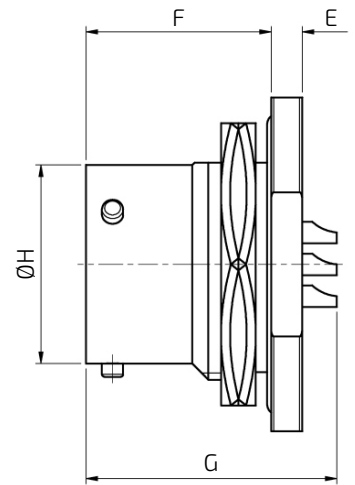
Styles 07A and 07T Connectors



Style 07T/07A
Front view



Style 07T
Fixed single hole mounting
with 'O' ring panel seal and
internal accessory thread



Style 07A (BS C2099)
Fixed single hole mounting
with 'O' ring panel seal and
without accessory thread

Shell size	A max	B max	C max	ØD max	E max	F max	G max	ØH max	J max	L thread to BS 1580 2A	K thread to BS 1580 2B
08	24.23	19.48	13.46	27.38	3.48	18.34	26.41	12.04	28.10	0.5625" - 24 UNEF	0.625" - 24 UNEF
10	27.38	22.66	16.63	30.55	3.48	18.34	26.41	15.01	28.10	0.6875" - 24 UNEF	0.75" - 20 UNEF
12	32.15	27.41	20.77	35.33	3.48	18.34	26.41	19.08	28.10	0.875" - 20 UNEF	0.875" - 20 UNEF
14	35.33	30.61	23.93	38.50	3.48	18.34	26.41	22.25	28.10	1" - 20 UNEF	1" - 20 UNEF
16	38.51	33.76	27.08	41.68	3.48	18.34	26.41	25.43	28.10	1.125" - 18 UNEF	1.125" - 18 UNEF
18	41.68	36.96	30.25	44.86	3.48	18.34	26.41	28.60	28.10	1.25" - 18 UNEF	1.25" - 18 UNEF
20	46.43	40.11	33.42	49.63	4.27	23.11	30.48	31.78	31.80	1.375" - 18 UNEF	1.375" - 18 UNEF
22	49.63	43.31	36.60	52.78	4.27	23.11	30.48	34.95	31.80	1.5" - 18 UNEF	1.5" - 18 UNEF
24	52.78	46.46	39.78	55.96	4.27	23.95	30.48	38.13	33.60	1.625" - 18 UNEF	1.625" - 18 UNEF

For contact arrangements available for each size see page 10.

For orientation and polarisation options available see pages 12 and 13.

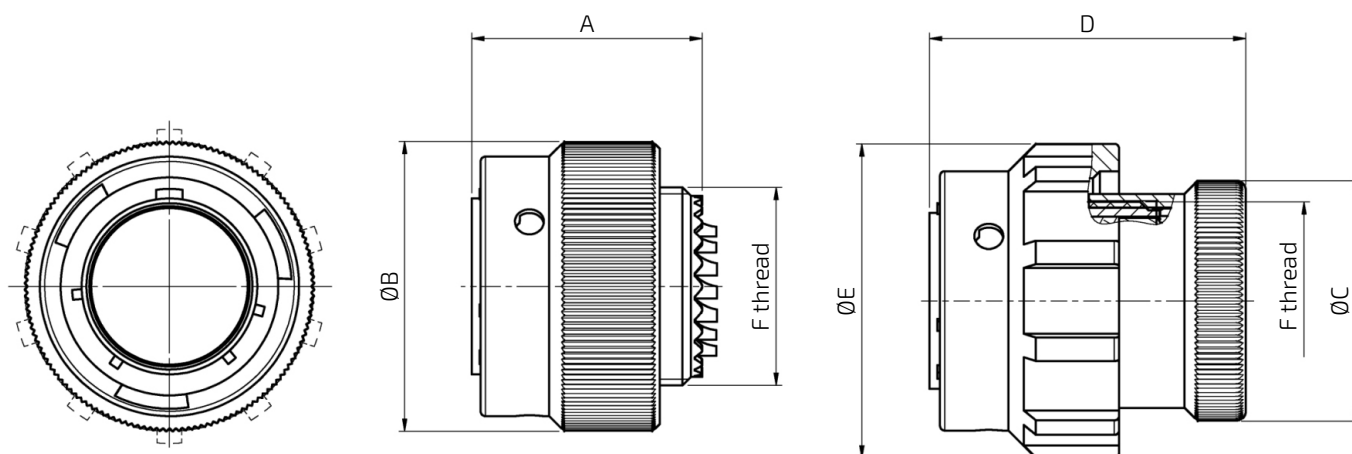
For panel piercing details see page 43.

For PCB version see page 42.

Note: All dimensions are in millimeters (mm).

Styles 06T/06TG and 06E/06EG Connectors

Styles 46T/46TG and 46E/46EG Connectors



Style 06T/06TG/06E/06EG
Style 46T/46TG/46E/46EG
(dashed line)
Front view

(Fine knurled coupling nut shown)

Style 06T (BS C2092)

Free, fine knurled coupling nut

Style 06TG (BS C2093)

Free, fine knurled coupling nut
with grounding fingers

Style 46T (BS C2094)

Free, coarse ribbed coupling nut

Style 46TG (BS C2095)

Free, coarse ribbed coupling nut
with grounding fingers

(Coarse ribbed coupling nut shown)

Style 06E

Free, fine knurled coupling nut
with grommet and grommet nut

Style 06EG

Free, fine knurled coupling nut with grommet,
grommet nut and grounding fingers

Style 46E

Free, coarse ribbed coupling nut with
grommet and grommet nut

Style 46E

Free, coarse ribbed coupling nut with
grommet, grommet nut and grounding fingers

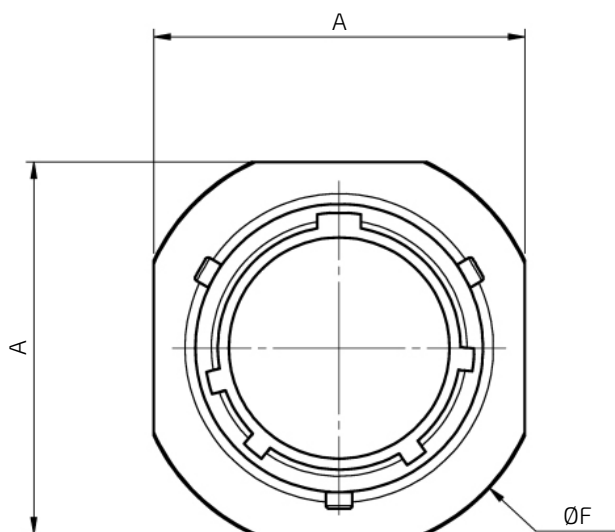
Shell size	A	ØB max	ØC max	D max	ØE max	F thread to BS 1580 2A
08	24.21	19.86	15.00	35.89	22.10	0.4375" – 28 UNEF
10	24.21	23.52	18.29	35.89	24.90	0.5625" – 24 UNEF
12	24.21	26.49	21.84	35.89	29.20	0.6875" – 24 UNEF
14	24.21	30.05	25.15	35.89	35.20	0.8125" – 20 UNEF
16	24.41	33.15	28.19	36.09	37.60	0.9375" – 20 UNEF
18	24.71	35.33	31.50	36.39	40.40	1.0625" – 18 UNEF
20	26.16	38.89	34.54	38.61	43.45	1.1875" – 18 UNEF
22	26.16	42.06	37.60	38.61	46.25	1.3125" – 18 UNEF
24	27.74	45.13	40.90	40.18	49.95	1.4375" – 18 UNEF

For contact arrangements available for each size see page 10.

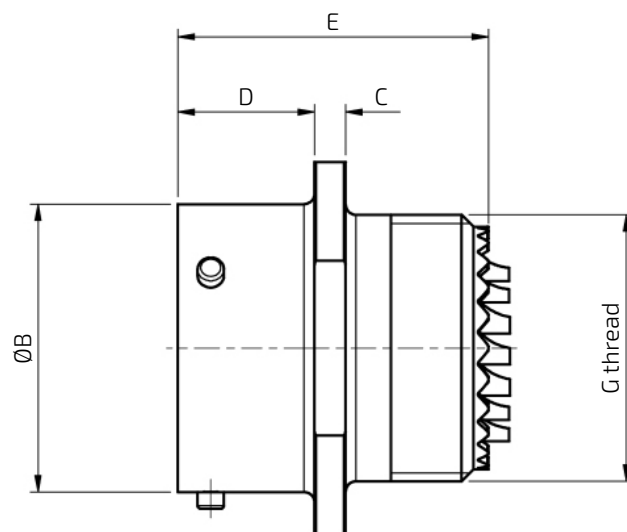
For orientation and polarisation options available see pages 12 and 13.

Note: All dimensions are in millimeters (mm).

Styles 01T Connectors



Front view



Style 01T (BS C2101)

Fixed, cable mounting connector
with accessory thread

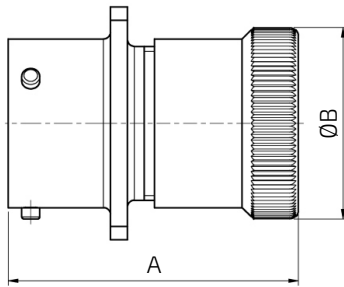
Shell size	A square max	ØB max	C max	D max	E max	ØF max	G thread to BS 1580 2B
08	21.03	12.04	2.80	10.95	25.35	24.33	0.4375" – 28 UNEF
10	24.23	15.01	2.80	10.95	25.35	27.48	0.5625" – 24 UNEF
12	26.59	19.07	2.80	10.95	25.35	29.87	0.6875" – 24 UNEF
14	28.98	22.25	2.80	10.95	25.55	32.26	0.8125" – 20 UNEF
16	31.34	25.42	2.80	10.95	25.55	34.64	0.9375" – 20 UNEF
18	33.73	28.60	2.80	10.95	25.86	37.03	1.0625" – 18 UNEF
20	36.91	31.77	3.32	14.37	28.80	40.18	1.1875" – 18 UNEF
22	40.08	34.95	3.32	14.37	28.80	43.38	1.3125" – 18 UNEF
24	43.26	38.12	3.32	15.22	30.40	46.53	1.4375" – 18 UNEF

For contact arrangements available for each size see page 10.

For orientation and polarisation options available see pages 12 and 13.

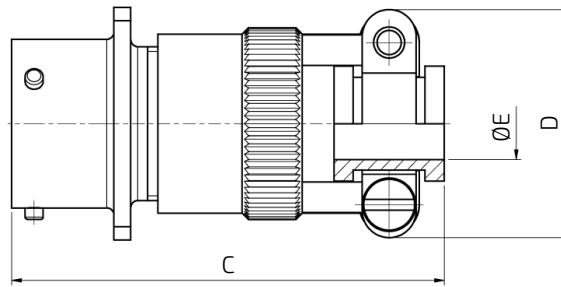
Note: All dimensions are in millimeters (mm).

Styles 00E and 00F Connectors



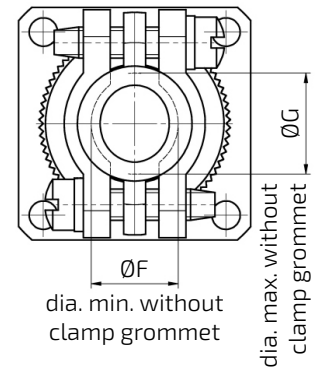
Style 00E

Fixed, square flange
mounting with grommet
and grommet nut



Style 00F

Fixed, square flange
mounting with grommet
and cable clamp



Back view

Shell size	A max	ØB max	C max	D max	ØE cable entry max	ØF max	G max
08	37.03	15.00	51.23	21.03	4.10	4.90	5.94
10	37.03	18.29	51.23	22.63	5.10	4.90	7.54
12	37.03	21.84	51.23	25.81	8.40	7.40	10.72
14	37.24	25.15	51.23	28.98	9.90	8.40	13.90
16	37.24	28.19	54.40	30.56	13.00	9.20	15.47
18	37.54	31.50	55.19	38.00	16.30	11.70	18.64
20	41.25	34.54	61.95	38.00	16.30	13.30	18.64
22	41.25	37.60	61.95	42.06	19.30	13.30	23.42
24	42.85	40.90	63.52	44.45	20.60	16.80	25.00

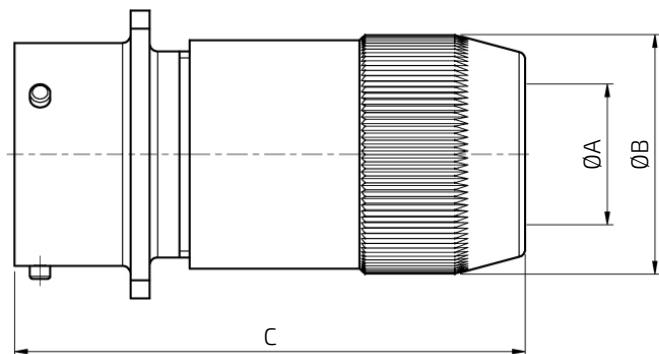
For contact arrangements available for each size see page 10.

For orientation and polarisation options available see pages 12 and 13.

For panel piercing details see page 43.

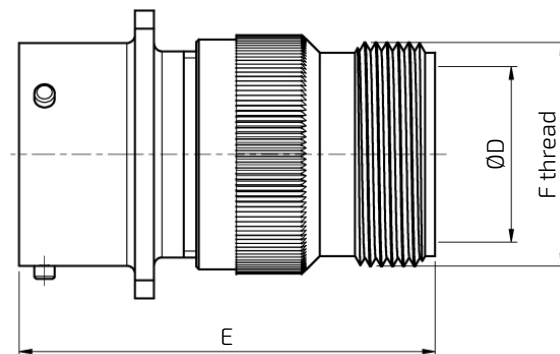
Note: All dimensions are in millimeters (mm).

Styles 00J and 00EA Connectors



Style 00J

Fixed, square flange mounting



Style 00EA

Fixed, square flange mounting

Shell size	ØA cable entry max	ØB	C	ØD bore diameter	E	F thread to BS 1580 2A
08	5.80	14.27	42.69	8.38	41.42	0.5" – 28 UNEF
10	7.90	17.45	45.45	11.37	41.42	0.625" – 24 UNEF
12	11.20	20.62	45.61	14.55	41.42	0.75" – 20 UNEF
14	13.70	23.80	49.80	17.44	41.42	0.875" – 20 UNEF
16	15.60	26.97	56.03	20.62	41.42	1" – 20 UNEF
18	17.60	30.15	61.36	23.36	41.42	1.1875" – 18 UNEF
20	19.00	33.32	69.79	25.54	44.77	1.1875" – 18 UNEF
22	21.50	36.50	75.00	29.71	44.77	1.4375" – 18 UNEF
24	22.70	39.67	80.16	31.89	46.50	1.4375" – 18 UNEF

For contact arrangements available for each size see page 10.

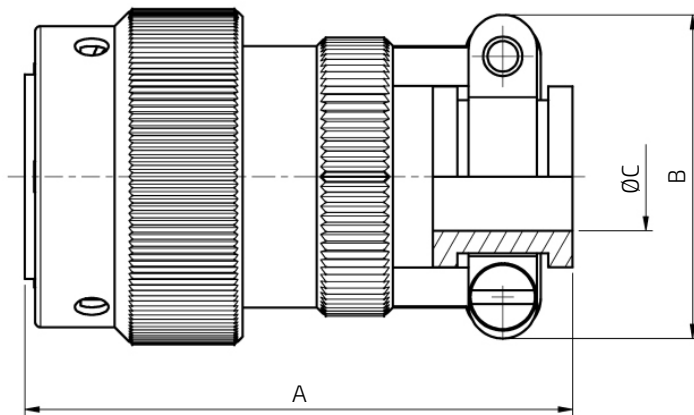
For orientation and polarisation options available see pages 12 and 13.

For panel piercing details see page 43.

Note: All dimensions are in millimeters (mm).

Styles 06F/06FG Connectors

Styles 46F/46FG Connectors

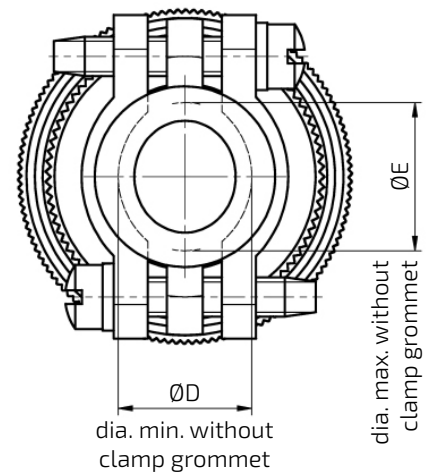


Style 06F

Free, fine knurled coupling nut with grommet and cable clamp

Style 06FG

Free, fine knurled coupling nut with grommet, cable clamp and grounding fingers



Style 46F

Free, coarse ribbed coupling nut with grommet and cable clamp

Style 46FG

Free, coarse ribbed coupling nut with grommet, cable clamp and grounding fingers

Shell size	A max	B max	ØC cable entry max	ØD max	ØE max
08	50.82	21.03	4.10	4.90	5.94
10	50.82	22.63	5.10	4.90	7.54
12	50.82	25.81	8.40	7.40	10.72
14	50.82	28.98	9.90	8.40	13.90
16	54.40	30.56	13.00	9.20	15.47
18	55.19	38.00	16.30	11.70	18.64
20	59.56	38.00	16.30	13.30	18.64
22	59.56	42.06	19.30	13.30	23.42
24	61.13	44.45	20.60	16.80	25.00

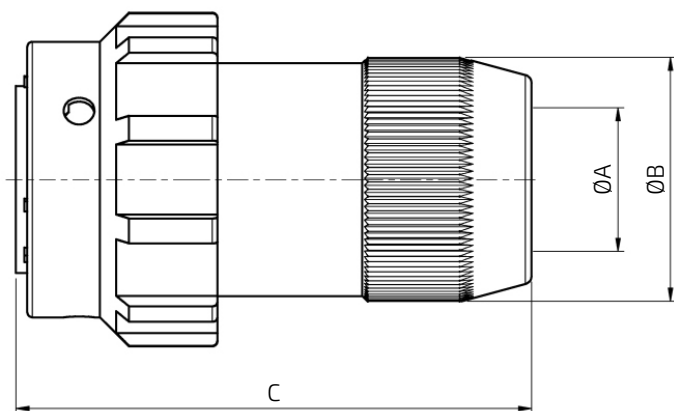
For contact arrangements available for each size see page 10.

For orientation and polarisation options available see pages 12 and 13.

Note: All dimensions are in millimeters (mm).

Styles 06EA/06EAG and 06J Connectors

Styles 46EA/46EAG and 46J Connectors



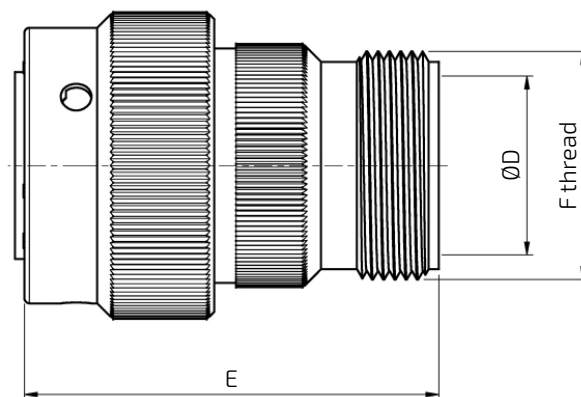
(Coarse ribbed coupling nut shown)

Style 06J

Free, fine knurled coupling nut
with J sealing gland

Style 46J

Free, coarse ribbed coupling nut
with J sealing gland



(Fine knurled coupling nut shown)

Style 06EA

Free, fine knurled coupling with A endbell adaptor

Style 06EAG

Free, fine knurled coupling with A endbell adaptor
and grounding fingers

Style 46EA

Free, coarse ribbed coupling with A endbell adaptor

Style 46EAG

Free, coarse ribbed coupling with A endbell adaptor
and grounding fingers

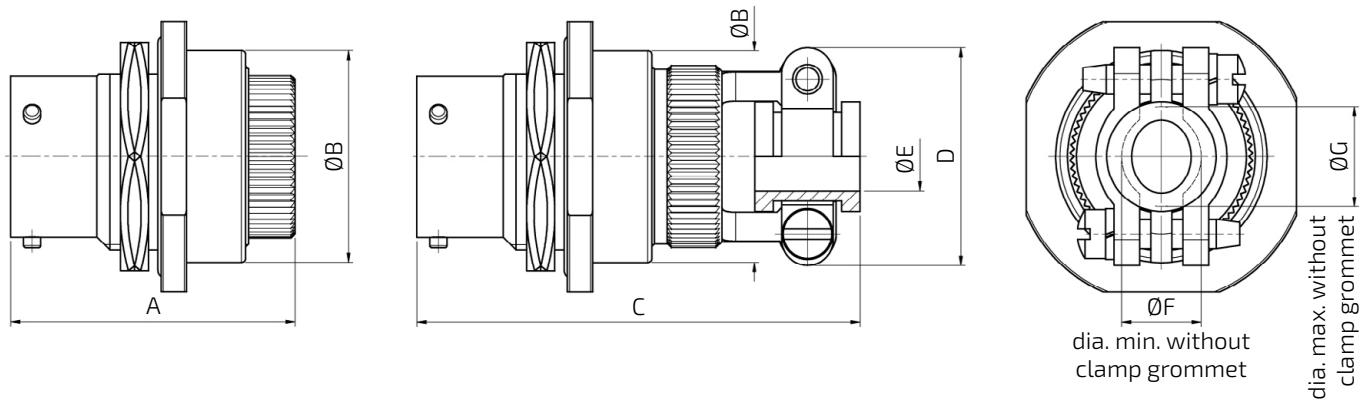
Shell size	ØA cable entry max	ØB	C	ØD bore diameter	E	F thread to BS 1580 2A
08	5.80	14.27	42.72	8.38	40.64	0.5" – 28 UNEF
10	7.90	17.45	43.48	11.37	40.64	0.625" – 24 UNEF
12	11.20	20.62	45.64	14.55	40.64	0.75" – 20 UNEF
14	13.70	23.80	49.83	17.44	40.64	0.875" – 20 UNEF
16	15.60	26.97	56.17	20.62	40.64	1" – 20 UNEF
18	17.60	30.15	61.39	23.36	40.64	1.1875" – 18 UNEF
20	19.00	33.32	68.01	25.54	42.18	1.1875" – 18 UNEF
22	21.50	36.50	74.00	29.71	42.18	1.4375" – 18 UNEF
24	22.70	39.67	78.15	31.89	43.91	1.4375" – 18 UNEF

For contact arrangements available for each size see page 10.

For orientation and polarisation options available see pages 12 and 13.

Note: All dimensions are in millimeters (mm).

Styles 07E and 07F Connectors



Style 07E (BS C2098)

Fixed, single hole mounting
with 'O' ring panel seal,
grommet and grommet nut

Style 07F

Fixed, single hole mounting
with 'O' ring panel seal,
grommet and cable clamp

Back view

Shell size	A max	ØB max	C max	D max	ØE cable entry max	ØF max	G max
08	36.41	19.05	56.00	21.03	4.10	4.90	5.94
10	36.41	22.22	56.00	22.63	5.10	4.90	7.54
12	36.41	25.40	56.00	25.81	8.40	7.40	10.72
14	36.41	28.57	56.00	28.98	9.90	8.40	13.90
16	36.41	31.75	59.00	30.56	13.00	9.20	15.47
18	36.41	34.92	59.00	38.00	16.30	11.70	18.64
20	41.20	38.89	64.00	38.00	16.30	13.30	18.64
22	41.20	42.06	64.00	42.06	19.30	13.30	23.42
24	43.00	45.24	66.00	44.45	20.60	16.80	25.00

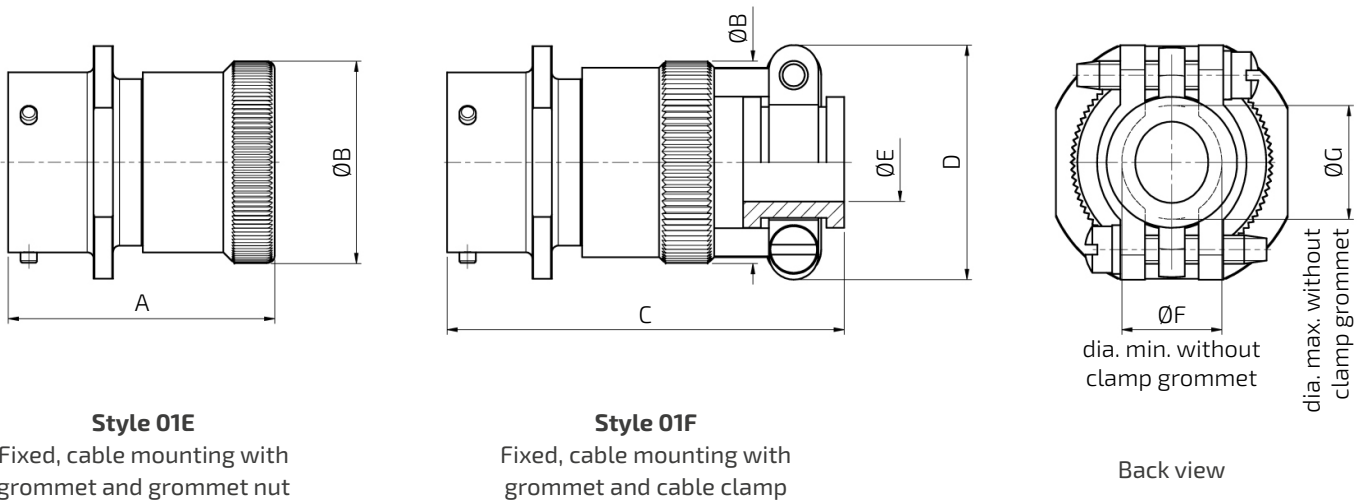
For contact arrangements available for each size see page 10.

For orientation and polarisation options available see pages 12 and 13.

For panel piercing details see page 43.

Note: All dimensions are in millimeters (mm).

Styles 01E and 01F Connectors



Shell size	A max	ØB max	C max	D max	ØE cable entry max	ØF max	G max
08	37.03	15.00	51.23	21.03	4.10	4.90	5.94
10	37.03	18.29	51.23	22.63	5.10	4.90	7.54
12	37.03	21.84	51.23	25.81	8.40	7.40	10.72
14	37.24	25.15	51.23	28.98	9.90	8.40	13.90
16	37.24	28.19	54.40	30.56	13.00	9.20	15.47
18	37.54	31.50	55.19	38.00	16.30	11.70	18.64
20	41.25	34.54	61.95	38.00	16.30	13.30	18.64
22	41.25	37.60	61.95	42.06	19.30	13.30	23.42
24	42.85	40.90	63.52	44.45	20.60	16.80	25.00

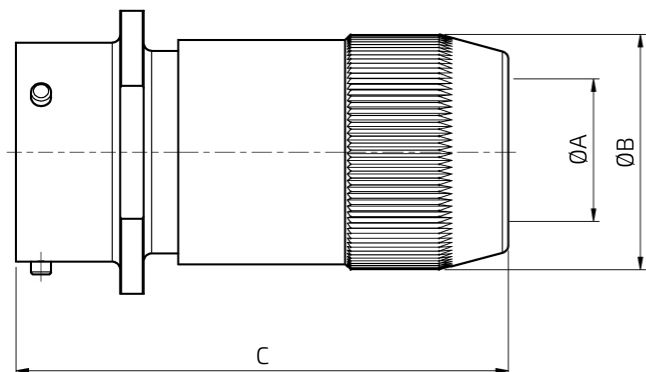
For contact arrangements available for each size see page 10.

For orientation and polarisation options available see pages 12 and 13.

For panel piercing details see page 43.

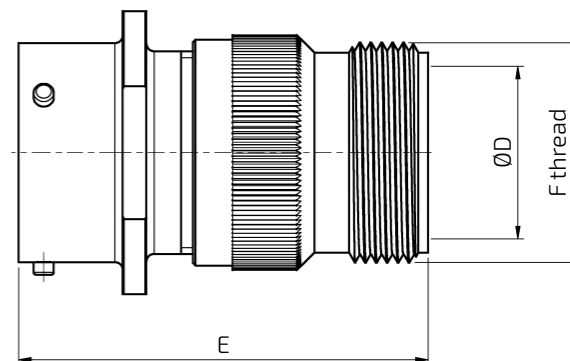
Note: All dimensions are in millimeters (mm).

Styles 01J and 01EA Connectors



Style 01J

Fixed, cable mounting with J sealing gland



Style 01EA

Fixed, cable mounting with A endbell adaptor

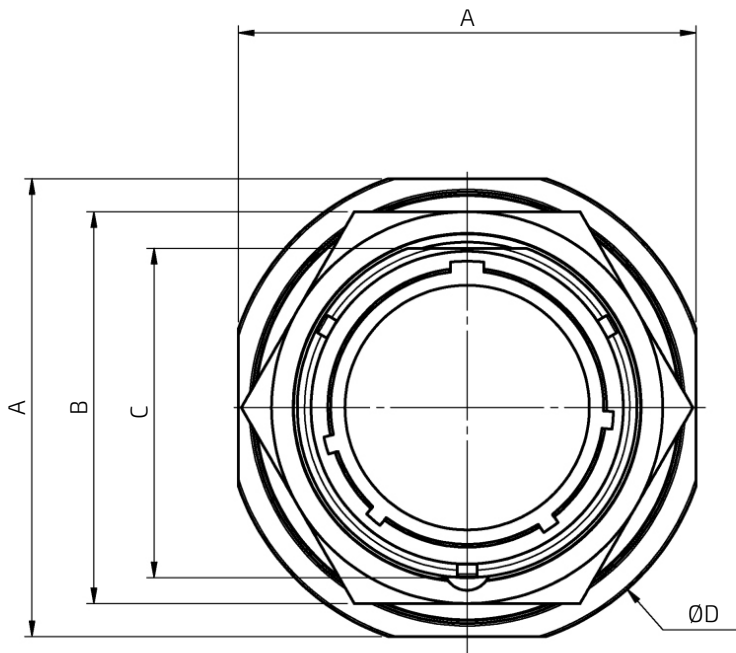
Shell size	ØA cable entry max	ØB	C	ØD bore diameter	E	F thread to BS 1580 2A
08	5.80	14.27	42.69	8.38	41.42	0.5" – 28 UNEF
10	7.90	17.45	45.45	11.37	41.42	0.625" – 24 UNEF
12	11.20	20.62	45.61	14.55	41.42	0.75" – 20 UNEF
14	13.70	23.80	49.80	17.44	41.42	0.875" – 20 UNEF
16	15.60	26.97	56.03	20.62	41.42	1" – 20 UNEF
18	17.60	30.15	61.36	23.36	41.42	1.1875" – 18 UNEF
20	19.00	33.32	69.79	25.54	44.77	1.1875" – 18 UNEF
22	21.50	36.50	75.00	29.71	44.77	1.4375" – 18 UNEF
24	22.70	39.67	80.16	31.89	46.50	1.4375" – 18 UNEF

For contact arrangements available for each size see page 10.

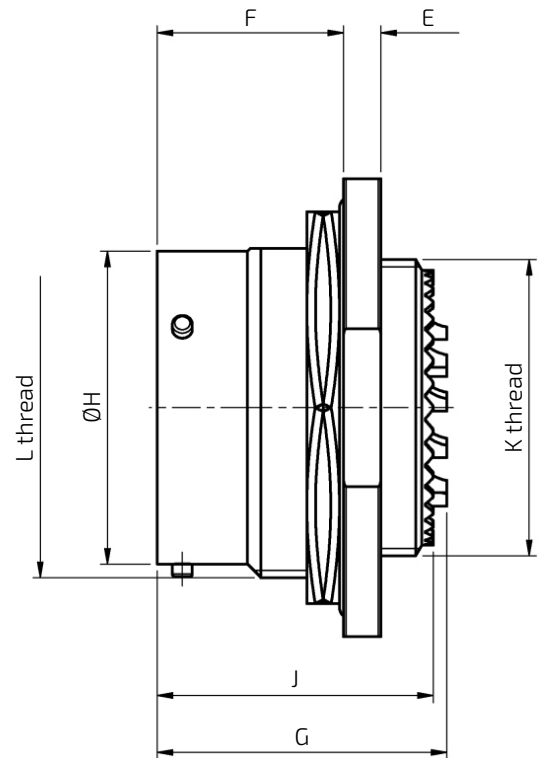
For orientation and polarisation options available see pages 12 and 13.

Note: All dimensions are in millimeters (mm).

Styles 47T Connectors



Front view



Style 47T (BS C2100)

Fixed single hole mounting with 'O' ring panel seal and external accessory thread

Shell size	A max	B max	C max	ØD max	E max	F max	G max	ØH max	J max	L thread to BS 1580 2A	K thread to BS 1580 2B
08	24.23	19.48	13.46	27.38	3.48	15.75	26.41	12.04	25.91	0.5625" - 24 UNEF	0.4375" - 28 UNEF
10	27.38	22.66	16.63	30.55	3.48	15.75	26.41	15.01	25.91	0.6875" - 24 UNEF	0.5625" - 24 UNEF
12	32.15	27.41	20.77	35.33	3.48	15.75	26.41	19.08	25.91	0.875" - 20 UNEF	0.6875" - 24 UNEF
14	35.33	30.61	23.93	38.50	3.48	15.75	26.41	22.25	25.91	1" - 20 UNEF	0.8125" - 20 UNEF
16	38.51	33.76	27.08	41.68	3.48	15.75	26.41	25.43	25.91	1.125" - 18 UNEF	0.9375" - 20 UNEF
18	41.68	36.96	30.25	44.86	3.48	15.75	26.41	28.60	25.91	1.25" - 18 UNEF	1.0625" - 18 UNEF
20	46.43	40.11	33.42	49.63	4.27	19.55	30.48	31.78	28.45	1.375" - 18 UNEF	1.1875" - 18 UNEF
22	49.63	43.31	36.60	52.78	4.27	19.55	30.48	34.95	28.45	1.5" - 18 UNEF	1.3125" - 18 UNEF
24	52.78	46.46	39.78	55.96	4.27	20.30	30.48	38.13	29.97	1.625" - 18 UNEF	1.4375" - 18 UNEF

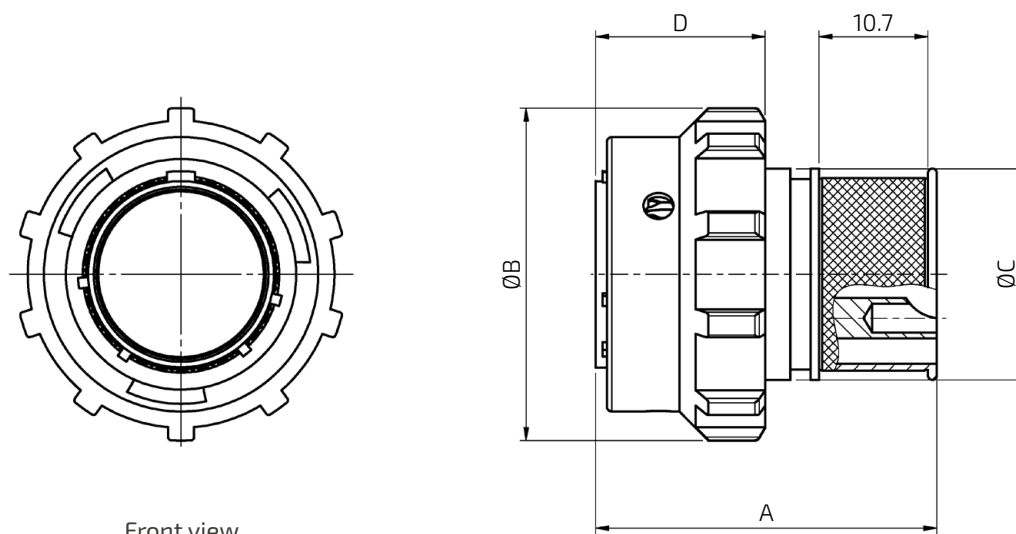
For contact arrangements available for each size see page 10.

For orientation and polarisation options available see pages 12 and 13.

For panel piercing details see page 43.

Note: All dimensions are in millimeters (mm).

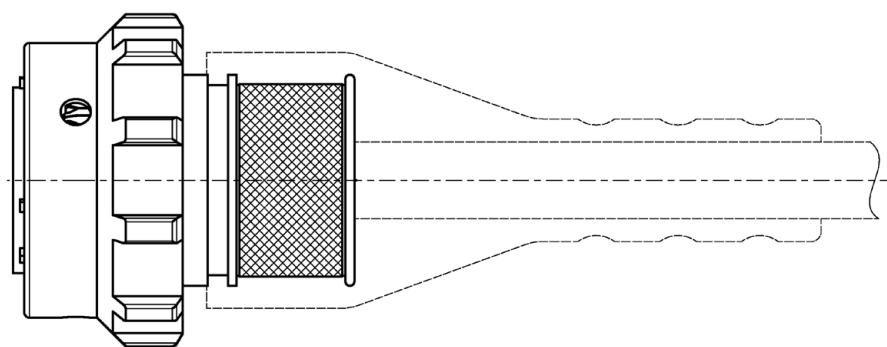
Styles 46TG 245/255/265 Connectors (for Overmoulding)



Front view

Style 46TG 245/255/265

Free, for overmoulding, coarse ribbed coupling nut with grounding fingers



View with exemplary overmoulded strain relief

Shell size	A ± 0.25	ØB	ØC ± 0.1	D max
10	33.30	24.90	14.30	16.65
12	33.30	29.20	17.40	16.65
14	33.40	32.50	20.65	16.80

For contact arrangements available for each size see page 10.

For orientation and polarisation options available see pages 12 and 13.

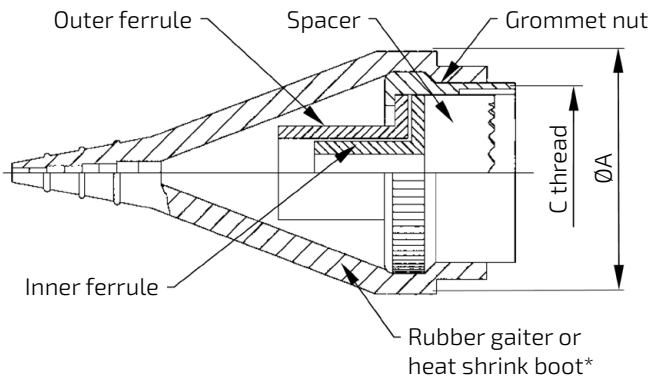
Note: All dimensions are in millimeters (mm).

Connector is available only with size 20 contacts.

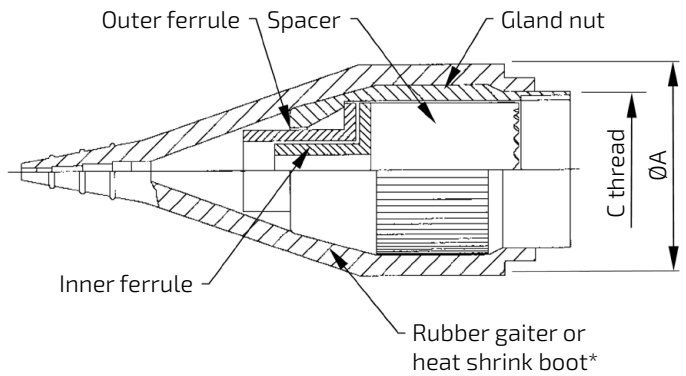
EMC Accessories - 360° Screened Cable Termination

360° screen termination to suit 00T, 01T, 06T, 06TG, 46T and 46TG connectors.

Designed for use with screened multicore cable.



Shell size 08-12 Assembly



Shell size 14-24 Assembly

Shell size	Cable OD max	Weald Part Number	ØA min	C thread to BS 1580 2B
08	3.00	LMA8509-08-03-00	17.80	0.4375" – 28 UNEF
	4.80	LMA8509-08-04-00		
10	3.00	LMA8509-10-03-00	21.10	0.5625" – 24 UNEF
	4.00	LMA8509-10-04-00		
	5.00	LMA8509-10-05-00	21.80	
	6.00	LMA8509-10-06-00		
	7.00	LMA8509-10-07-00		
12	4.00	LMA8509-12-04-00	24.60	0.6875" – 24 UNEF
	6.00	LMA8509-12-06-00		
	8.25	LMA8509-12-08-00		
14	10.00	LMA8509-14-10-00	26.80	0.8125" – 20 UNEF
16	12.00	LMA8509-16-12-00	30.00	0.9375" – 20 UNEF
18	14.00	LMA8509-18-14-00	33.20	1.0625" – 18 UNEF
20	15.00	LMA8509-20-15-00	36.40	1.1875" – 18 UNEF
22	18.00	LMA8509-22-18-00	39.50	1.3125" – 18 UNEF
24	19.00	LMA8509-24-19-00	42.70	1.4375" – 18 UNEF

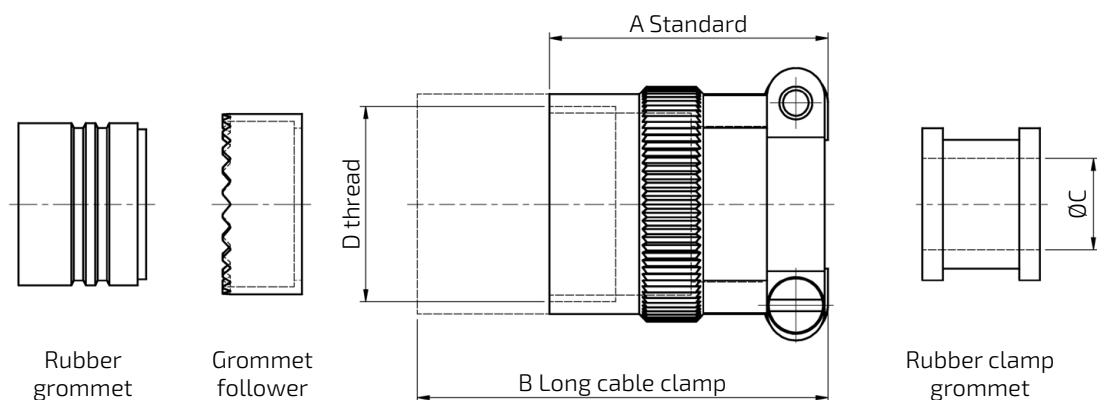
For assembly instructions see page 44.

Note: All dimensions are in millimeters (mm).

* - For further information please contact local Sales Office.

Cable Clamp Assembly with Clamp Grommet and Internal Thread (Long and Standard Versions)

Suitable for use with 00, 01, 06, 46 and 47 style connectors.



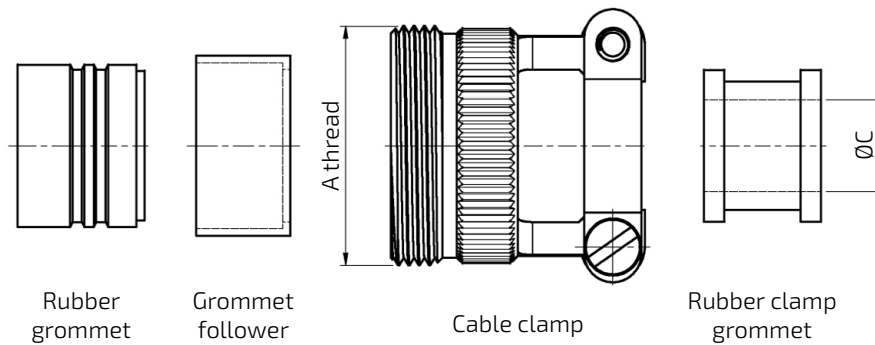
Shell size	A std	B long	Contact arrangement	Weald Part Number Standard / Long	ØC cable dia. max	D thread to BS 1580 2B
08	29.21	41.68	08-02	LMA1038-08-02-00 / LMA1040-08-02-00	4.10	0.4375" – 28 UNEF
			08-98	LMA1038-08-98-00 / LMA1040-08-98-00		
			08-04	LMA1038-08-04-00 / LMA1040-08-04-00		
			08-33	LMA1038-08-33-00 / LMA1040-08-33-00		
10	29.21	41.68	10-02	LMA1038-10-02-00 / LMA1040-10-02-00	5.10	0.5625" – 24 UNEF
			10-06	LMA1038-10-06-00 / LMA1040-10-06-00		
			10-07	LMA1038-10-07-00 / LMA1040-10-07-00		
12	29.21	45.24	12-03	LMA1038-12-03-00 / LMA1040-12-03-00	8.40	0.6875" – 24 UNEF
			12-08	LMA1038-12-08-00 / LMA1040-12-08-00		
			12-10	LMA1038-12-10-00 / LMA1040-12-10-00		
			12-14*	LMA2201-12-00-00 / Long ver. N/A		
14	29.21	N/A	14-02*	LMA2201-14-00-00 / Long ver. N/A	9.90	0.8125" – 20 UNEF
		N/A	14-04*	LMA2201-14-00-00 / Long ver. N/A		
		50.01	14-05	LMA1038-14-05-00 / LMA1040-14-05-00		
		N/A	14-07*	LMA2201-14-00-00 / Long ver. N/A		
		50.01	14-12	LMA1038-14-12-00 / LMA1040-14-12-00		
			14-15	LMA1038-14-15-00 / LMA1040-14-15-00		
			14-19	LMA1038-14-19-00 / LMA1040-14-19-00		
		N/A	14-22*	LMA2201-14-00-00 / Long ver. N/A		
16	33.52	N/A	16-04*	LMA2201-16-00-00 / Long ver. N/A	13.00	0.9375" – 20 UNEF
		58.75	16-08	LMA1038-16-08-00 / LMA1040-16-08-00		
			16-26	LMA1038-16-26-00 / LMA1040-16-26-00		
18	33.52	N/A	18-02*	LMA2201-18-00-00 / Long ver. N/A	16.30	1.0625" – 18 UNEF
		64.57	18-11	LMA1038-18-11-00 / LMA1040-18-11-00		
			18-32	LMA1038-18-32-00 / LMA1040-18-32-00		
20	34.79	75.69	20-16	LMA1038-20-16-00 / LMA1040-20-16-00	16.30	1.1875" – 18 UNEF
			20-41	LMA1038-20-41-00 / LMA1040-20-41-00		
22	34.79	N/A	22-04*	LMA2201-22-00-00 / Long ver. N/A	19.30	1.3125" – 18 UNEF
		79.66	22-55	LMA1038-22-55-00 / LMA1040-22-55-00		
24	34.79	85.22	24-61	LMA1038-24-61-00 / LMA1040-24-61-00	20.60	1.4375" – 18 UNEF

Note: All dimensions are in millimeters (mm).

* - Rubber grommet is omitted.

Cable Clamp Assembly with Clamp Grommet and External Thread

Suitable for use with 07T style connectors.



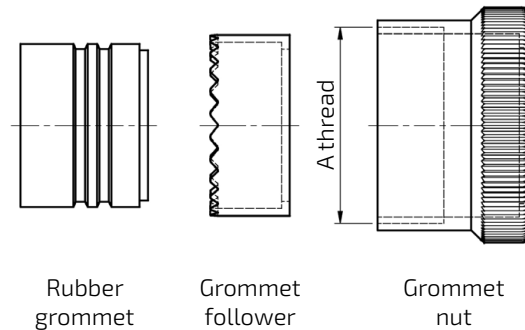
Shell size	Contact arrangement	Weald Part Number	ØC cable diameter max	A thread to BS 1580 2A
08	08-02	LMA1186-08-02-00	4.10	0.625" – 24 UNEF
	08-98	LMA1186-08-98-00		
	08-04	LMA1186-08-04-00		
	08-33	LMA1186-08-33-00		
10	10-02	LMA1186-10-02-00	5.10	0.75" – 20 UNEF
	10-06	LMA1186-10-06-00		
	10-07	LMA1186-10-07-00		
12	12-03	LMA1186-12-03-00	8.40	0.875" – 20 UNEF
	12-08	LMA1186-12-08-00		
	12-10	LMA1186-12-10-00		
	12-14*	LMA2204-12-00-00		
14	14-02*	LMA2204-14-00-00	9.90	1" – 20 UNEF
	14-04*	LMA2204-14-00-00		
	14-05	LMA1186-14-05-00		
	14-07*	LMA2204-14-00-00		
	14-12	LMA1186-14-12-00		
	14-15	LMA1186-14-15-00		
	14-19	LMA1186-14-19-00		
	14-22*	LMA2204-14-00-00		
16	16-04*	LMA2204-16-00-00	13.00	1.125" – 18 UNEF
	16-08	LMA1186-16-08-00		
	16-26	LMA1186-16-26-00		
18	18-02*	LMA2204-18-00-00	16.30	1.25" – 18 UNEF
	18-11	LMA1186-18-11-00		
	18-32	LMA1186-18-32-00		
20	20-16	LMA1186-20-16-00	16.30	1.375" – 18 UNEF
	20-41	LMA1186-20-41-00		
22	22-04*	LMA2204-22-00-00	19.30	1.5" – 18 UNEF
	22-55	LMA1186-22-55-00		
24	24-61	LMA1186-24-61-00	20.60	1.625" – 18 UNEF

Note: All dimensions are in millimeters (mm).

* - Rubber grommet is omitted.

Grommet Nut Assembly with Internal Thread

Suitable for use with 00, 01, 06, 46 and 47 style connectors (excluding 46TG 245/255/265).

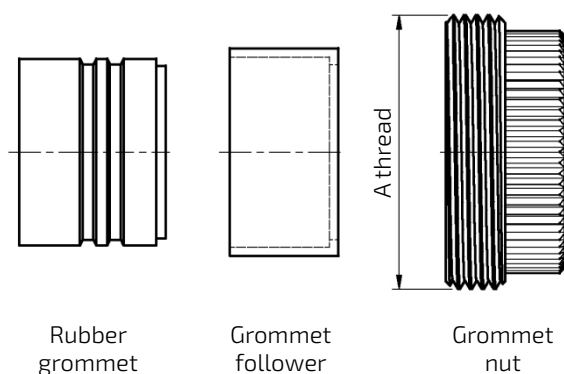


Shell size	Contact arrangement	Weald Part Number	A thread to BS 1580 2B
08	08-02	LMA1039-08-02-00	0.4375" – 28 UNEF
	08-98	LMA1039-08-98-00	
	08-04	LMA1039-08-04-00	
	08-33	LMA1039-08-33-00	
10	10-02	LMA1039-10-02-00	0.5625" – 24 UNEF
	10-06	LMA1039-10-06-00	
	10-07	LMA1039-10-07-00	
12	12-03	LMA1039-12-03-00	0.6875" – 24 UNEF
	12-08	LMA1039-12-08-00	
	12-10	LMA1039-12-10-00	
	12-14*	LMA2202-12-00-00	
14	14-02*	LMA2202-14-00-00	0.8125" – 20 UNEF
	14-04*	LMA2202-14-00-00	
	14-05	LMA1039-14-05-00	
	14-07*	LMA2202-14-00-00	
	14-12	LMA1039-14-12-00	
	14-15	LMA1039-14-15-00	
	14-19	LMA1039-14-19-00	
	14-22*	LMA2202-14-00-00	
16	16-04*	LMA2202-16-00-00	0.9375" – 20 UNEF
	16-08	LMA1039-16-08-00	
	16-26	LMA1039-16-26-00	
18	18-02*	LMA2202-18-00-00	1.0625" – 18 UNEF
	18-11	LMA1039-18-11-00	
	18-32	LMA1039-18-32-00	
20	20-16	LMA1039-20-16-00	1.1875" – 18 UNEF
	20-41	LMA1039-20-41-00	
22	22-04*	LMA2202-22-00-00	1.3125" – 18 UNEF
	22-55	LMA1039-22-55-00	
24	24-61	LMA1039-24-61-00	1.4375" – 18 UNEF

* - Rubber grommet is omitted.

Grommet Nut Assembly with External Thread

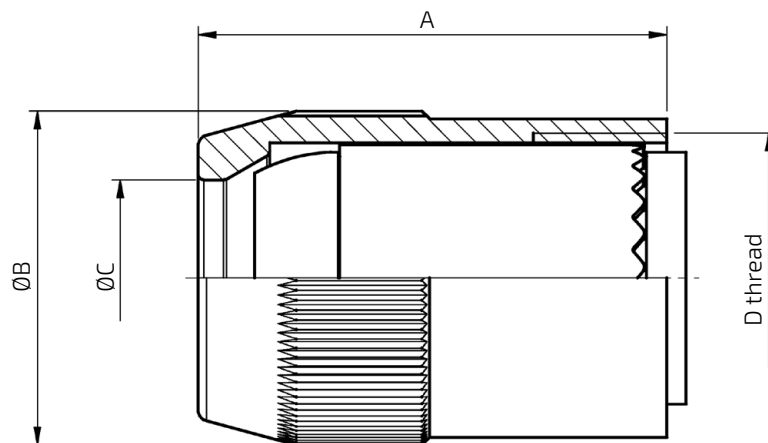
Suitable for use with 07T style connectors.



Shell size	Contact arrangement	Weald Part Number	A thread to BS 1580 2A
08	08-02	LMA1181-08-02-00	0.625" – 24 UNEF
	08-98	LMA1181-08-98-00	
	08-04	LMA1181-08-04-00	
	08-33	LMA1181-08-33-00	
10	10-02	LMA1181-10-02-00	0.75" – 20 UNEF
	10-06	LMA1181-10-06-00	
	10-07	LMA1181-10-07-00	
12	12-03	LMA1181-12-03-00	0.875" – 20 UNEF
	12-08	LMA1181-12-08-00	
	12-10	LMA1181-12-10-00	
	12-14	N/A	
14	14-02	N/A	1" – 20 UNEF
	14-04	N/A	
	14-05	LMA1181-14-05-00	
	14-07	N/A	
	14-12	LMA1181-14-12-00	
	14-15	LMA1181-14-15-00	
	14-19	LMA1181-14-19-00	
	14-22	N/A	
16	16-04	N/A	1.125" – 18 UNEF
	16-08	LMA1181-16-08-00	
	16-26	LMA1181-16-26-00	
18	18-02	N/A	1.25" – 18 UNEF
	18-11	LMA1181-18-11-00	
	18-32	LMA1181-18-32-00	
20	20-16	LMA1181-20-16-00	1.375" – 18 UNEF
	20-41	LMA1181-20-41-00	
22	22-04	N/A	1.5" – 18 UNEF
	22-55	LMA1181-22-55-00	
24	24-61	LMA1181-24-61-00	1.625" – 18 UNEF

J Sealing Glands

Suitable for use with 00, 01, 06, 46 and 47 style connectors (excluding 46TG 245/255/265).

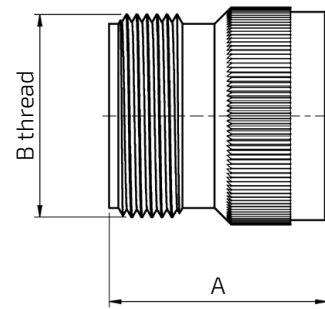


Shell size	Weald Part Number	A Nom.	ØB Nom.	ØC Cable entry max	D thread to BS 1580 2B
08	LMA1110-08-00-00	25.27	14.27	5.80	0.4375" – 28 UNEF
10	LMA1110-10-00-00	28.03	17.45	7.90	0.5625" – 24 UNEF
12	LMA1110-12-00-00	29.19	20.62	11.20	0.6875" – 24 UNEF
14	LMA1110-14-00-00	32.28	23.80	13.70	0.8125" – 20 UNEF
16	LMA1110-16-00-00	38.61	26.97	15.60	0.9375" – 20 UNEF
18	LMA1110-18-00-00	43.94	30.15	17.60	1.0625" – 18 UNEF
20	LMA1110-20-00-00	49.02	33.32	19.00	1.1875" – 18 UNEF
22	LMA1110-22-00-00	54.23	36.50	21.50	1.3125" – 18 UNEF
24	LMA1110-24-00-00	57.66	39.67	22.70	1.4375" – 18 UNEF

Note: All dimensions are in millimeters (mm).

A Endbell Adaptor

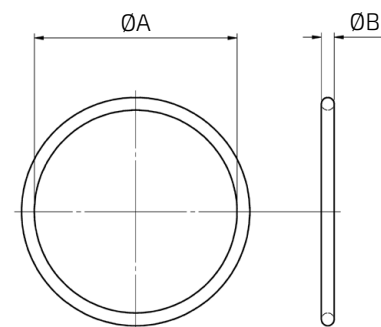
Suitable for use with 00, 01, 06, 46 and 47 style connectors (excluding 46TG 245/255/265).



Shell size	Weald Part Number	If reqd will suit LMA3057 type cable clamp	A	B thread to BS 1580 2A
08	LMA1036-08-00-00	-	23.80	0.5" – 28 UNEF
10	LMA1036-10-00-00	LMA3057-4A	23.80	0.625" – 24 UNEF
12	LMA1036-12-00-00	LMA3057-6A	23.80	0.75" – 20 UNEF
14	LMA1036-14-00-00	LMA3057-8A	23.80	0.875" – 20 UNEF
16	LMA1036-16-00-00	LMA3057-10A	23.80	1" – 20 UNEF
18	LMA1036-18-00-00	LMA3057-12A	23.80	1.1875" – 18 UNEF
20	LMA1036-20-00-00	LMA3057-12A	23.80	1.1875" – 18 UNEF
22	LMA1036-22-00-00	LMA3057-16A	23.80	1.4375" – 18 UNEF
24	LMA1036-24-00-00	LMA3057-16A	23.80	1.4375" – 18 UNEF

Electrically Conductive 'O' Ring Seal

Suitable for use with 07 and 47 style connectors.



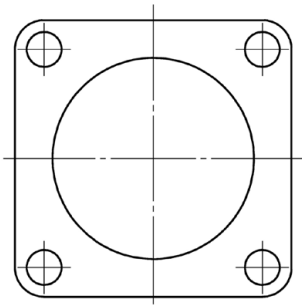
Shell size	Weald Part Number	ØA	ØB
08	LMA8527-08-00-00	17.17	1.78
10	LMA8527-10-00-00	20.35	1.78
12	LMA8527-12-00-00	25.12	1.78
14	LMA8527-14-00-00	28.30	1.78
16	LMA8527-16-00-00	31.47	1.78
18	LMA8527-18-00-00	34.65	1.78
20	LMA8527-20-00-00	37.78	2.62
22	LMA8527-22-00-00	40.95	2.62
24	LMA8527-24-00-00	44.12	2.62

Electrically conductive o-rings are made of pure silver filled silicone elastomer.

Note: All dimensions are in millimeters (mm).

Square Flange Mounting Gasket

Suitable for use with 00 and 02A style connectors.

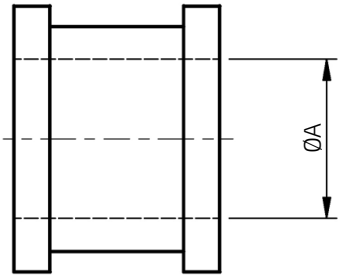


Shell size	Weald Part Number Standard rubber	Weald Part Number Electrically conductive elastomer
08	LMA1071-08-00-00	LMA8526-08-00-00
10	LMA1071-10-00-00	LMA8526-10-00-00
12	LMA1071-12-00-00	LMA8526-12-00-00
14	LMA1071-14-00-00	LMA8526-14-00-00
16	LMA1071-16-00-00	LMA8526-16-00-00
18	LMA1071-18-00-00	LMA8526-18-00-00
20	LMA1071-20-00-00	LMA8526-20-00-00
22	LMA1071-22-00-00	LMA8526-22-00-00
24	LMA1071-24-00-00	LMA8526-24-00-00

Standard gaskets (LMA1071) are made of black chloroprene (synthetic) rubber.
Electrically conductive gaskets (LMA8526) are made of pure silver filled silicone elastomer.

Rubber Clamp Grommet

Suitable for use with 00, 01, 06, 46 and 07T style connectors.

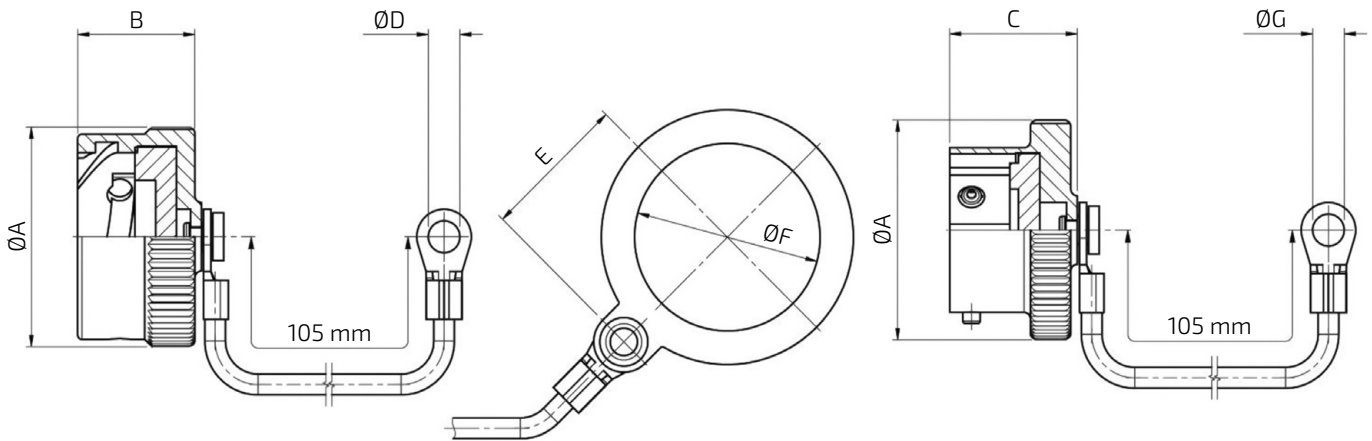


Shell size	Weald Part Number	ØA cable diameter max
08	LMA1025-08-00-00	4.10
10	LMA1025-10-00-00	5.10
12	LMA1025-12-00-00	8.40
14	LMA1025-14-00-00	9.90
16	LMA1025-16-00-00	13.00
18	LMA1025-18-00-00	16.30
20	LMA1025-20-00-00	16.30
22	LMA1025-22-00-00	19.30
24	LMA1025-24-00-00	20.60

Note: All dimensions are in millimeters (mm).

Protective Caps

The caps are machined from aluminium alloy and the normal finish is corrosion resistant olive drab chromate conversion over cadmium plate. All are fitted with woven restraining cords or ball chain link assemblies and are fitted with fluid resistant gaskets. They will fit neutral or orientated connectors. It is strongly recommended that these are fitted to provide protection when connectors are not in use.



Suitable for use with fixed square flange mounting connectors

Suitable for use with fixed single hole mounting connectors

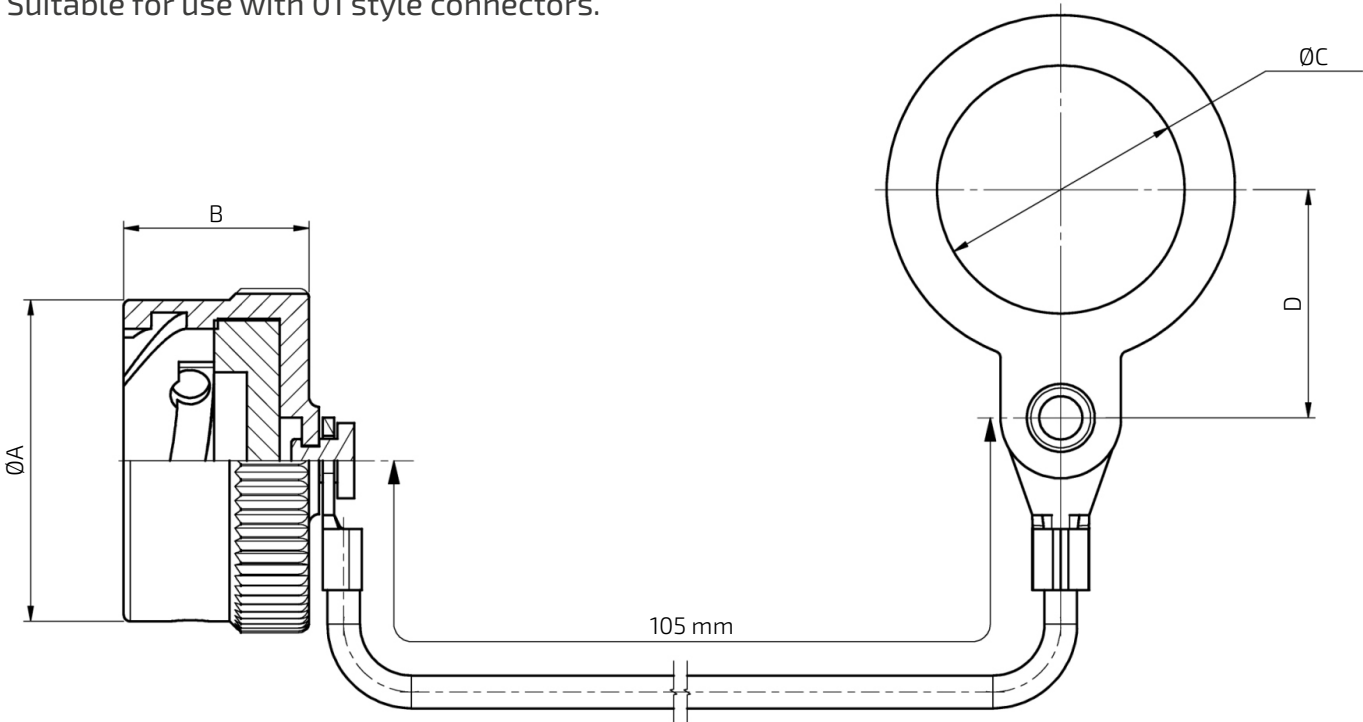
Suitable for use with free connectors

Shell size	Fixed square flange	Fxd single hole mount.	Free	Dimensions						
	Weald Part No. cord Weald Part No. chain	Weald Part No. cord Weald Part No. chain	Weald Part No. cord Weald Part No. chain	ØA	B	C	ØD	E	ØF	ØG
08	LMA1054-08-00-00 LMA1065-08-00-00	LMA1055-08-00-00 LMA1066-08-00-00	LMA1053-08-00-00 LMA1067-08-00-00	19.00	14.55	14.43	3.63	14.94	14.91	3.63
10	LMA1054-10-00-00 LMA1065-10-00-00	LMA1055-10-00-00 LMA1066-10-00-00	LMA1053-10-00-00 LMA1067-10-00-00	21.79	14.55	14.43	3.63	16.79	18.11	3.63
12	LMA1054-12-00-00 LMA1065-12-00-00	LMA1055-12-00-00 LMA1066-12-00-00	LMA1053-12-00-00 LMA1067-12-00-00	25.35	14.55	14.43	3.63	19.53	22.88	3.63
14	LMA1054-14-00-00 LMA1065-14-00-00	LMA1055-14-00-00 LMA1066-14-00-00	LMA1053-14-00-00 LMA1067-14-00-00	28.52	14.55	14.43	3.63	21.36	26.08	3.63
16	LMA1054-16-00-00 LMA1065-16-00-00	LMA1055-16-00-00 LMA1066-16-00-00	LMA1053-16-00-00 LMA1067-16-00-00	31.70	14.55	14.43	3.63	23.19	29.23	3.63
18	LMA1054-18-00-00 LMA1065-18-00-00	LMA1055-18-00-00 LMA1066-18-00-00	LMA1053-18-00-00 LMA1067-18-00-00	34.87	14.55	14.43	3.63	25.02	32.41	4.29
20	LMA1054-20-00-00 LMA1065-20-00-00	LMA1055-20-00-00 LMA1066-20-00-00	LMA1053-20-00-00 LMA1067-20-00-00	38.05	14.55	16.00	3.63	26.87	35.58	4.29
22	LMA1054-22-00-00 LMA1065-22-00-00	LMA1055-22-00-00 LMA1066-22-00-00	LMA1053-22-00-00 LMA1067-22-00-00	41.22	14.55	16.00	3.63	28.70	38.76	4.29
24	LMA1054-24-00-00 LMA1065-24-00-00	LMA1055-24-00-00 LMA1066-24-00-00	LMA1053-24-00-00 LMA1067-24-00-00	44.40	15.34	16.00	4.29	30.53	41.93	4.29

Note: All dimensions are in millimeters (mm).

Protective Caps

Suitable for use with 01 style connectors.



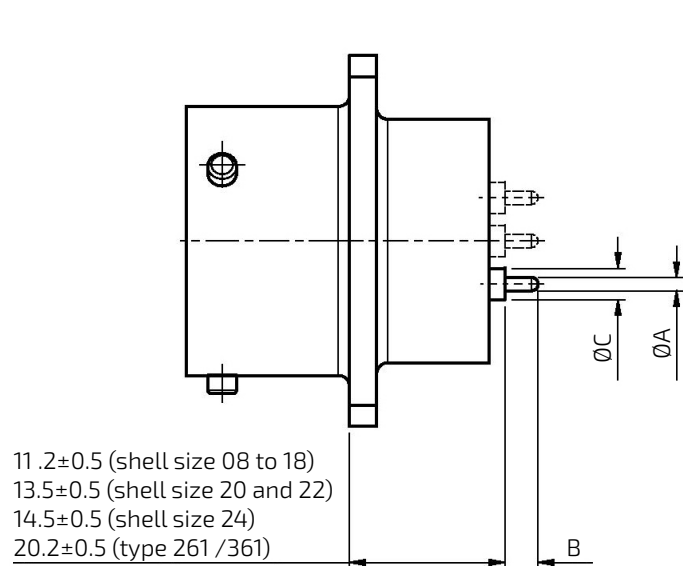
Shell size	Weald Part Number	ØA	B	ØC	D
08	LMA1190-08-00-00	19.00	14.55	11.60	13.80
10	LMA1190-10-00-00	21.79	14.55	14.91	14.94
12	LMA1190-12-00-00	25.35	14.55	18.11	16.79
14	LMA1190-14-00-00	28.52	14.55	22.88	19.53
16	LMA1190-16-00-00	31.70	14.55	26.08	21.36
18	LMA1190-18-00-00	34.87	14.55	29.23	23.19
20	LMA1190-20-00-00	38.05	14.55	32.41	25.02
22	LMA1190-22-00-00	41.22	14.55	35.58	26.87
24	LMA1190-24-00-00	44.40	15.34	38.76	28.70

In addition to the standard protective caps listed on these pages, we offer wide range of protective caps from our LMD Series.

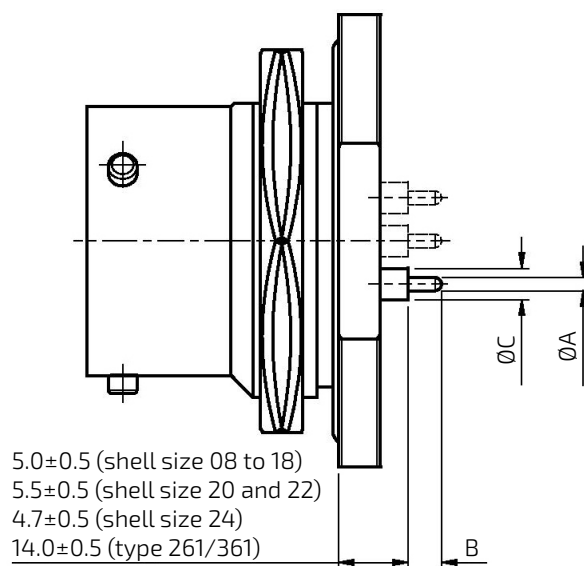
For more details contact local Sales Office or visit our website www.wealdelectronics.com

Note: All dimensions are in millimeters (mm).

PCB Contact Details - Outline Dimensions

**Style 02A**

Fixed square flange mounting,
without accessory thread

**Style 07A**

Fixed single hole mounting with 'O' ring
panel seal, without accessory thread

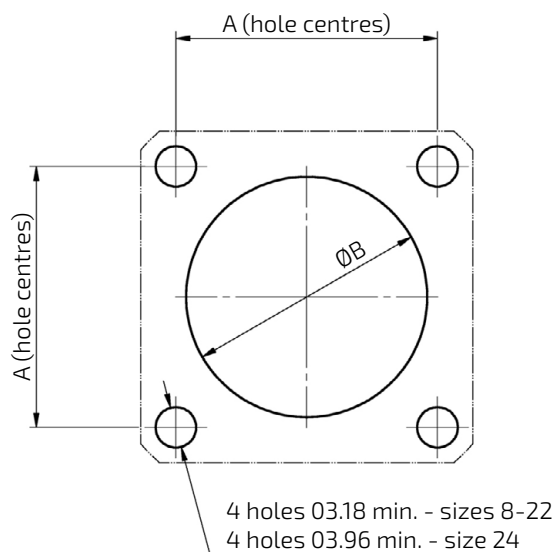
Order suffix (shell plating in brackets)	Contact size	$\varnothing A^* \pm 0.025$	$B^* \pm 0.06$	$\varnothing C^* \pm 0.03$
203 (Cadmium, olive drab) 303 (Zinc cobalt, olive drab)	#20	0.915	2.35	2.20
	#16	0.915	2.35	2.92
205 (Cadmium, olive drab) 365 (Zinc cobalt, olive drab)	#20	0.915	5.00	2.20
	#16**	0.915**	5.00**	2.20**
207 (Cadmium, olive drab) 307 (Zinc cobalt, olive drab)	#20	0.737	2.35	1.50
	#16	0.737	2.35	1.50
247 (Cadmium, olive drab) 347 (Zinc cobalt, olive drab)	#20	0.737	4.00	1.50
	#16**	0.737**	4.00**	1.50**
261 (Cadmium, olive drab) 361 (Zinc cobalt, olive drab) Only available in shell sizes 08 to 18	#20	0.737	4.00	2.20
	#16**	0.737**	4.00**	2.20**

Note: All dimensions are in millimeters (mm).

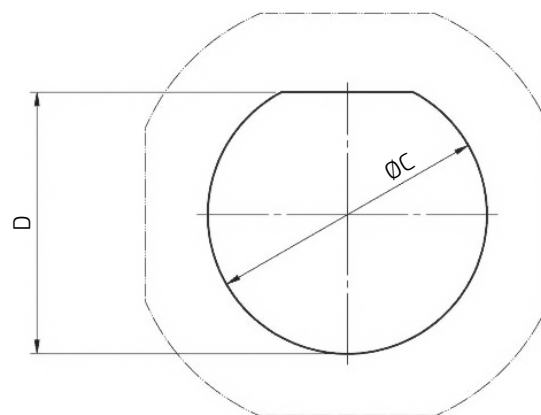
* - Other terminal lengths and diameters available on request.

** - Before ordering please contact local Sales Office.

Panel Cut-Out Details



For all fixed square flange shell



For all fixed single hole mounting shell styles

Max. panel thickness:

Front mounting:

9.5mm

Rear mounting:

2.21mm – sizes 8-18

5.38mm – sizes 20-24

Fixing bolts are required when mounting.

These are NOT supplied with the connector.

Shell styles 07A, 07T and 47 T are designed for rear panel mounting only. When mounted in the correct manner a pressure proof seal is achieved at the panel face.

Min. panel thickness:

1.5mm

Max. panel thickness:

3.3mm – shell sizes 08-18, styles 07A and 07T

2.0mm – shell sizes 08-18, styles 47T

6.4mm – shell sizes 20-24

5.0mm – shell sizes 20-24, styles 47T

(including protective cap washer when used)

Shell size	A ± 0.15	ØB ^{+0.25} _{-0.00}		ØC ^{+0.25} _{-0.00}	D ^{+0.12} _{-0.00}
		For back mounting	For front mounting		
08	15.10	14.00	12.70	14.50	13.60
10	18.30	17.00	16.00	17.70	16.80
12	20.60	22.00	19.00	22.70	20.90
14	23.00	25.00	22.20	25.70	24.10
16	24.60	28.00	25.50	28.80	27.20
18	27.00	31.00	28.50	32.00	30.40
20	29.40	34.50	31.70	35.10	33.60
22	31.80	37.50	35.00	38.40	36.80
24	34.90	41.00	38.00	41.50	40.00

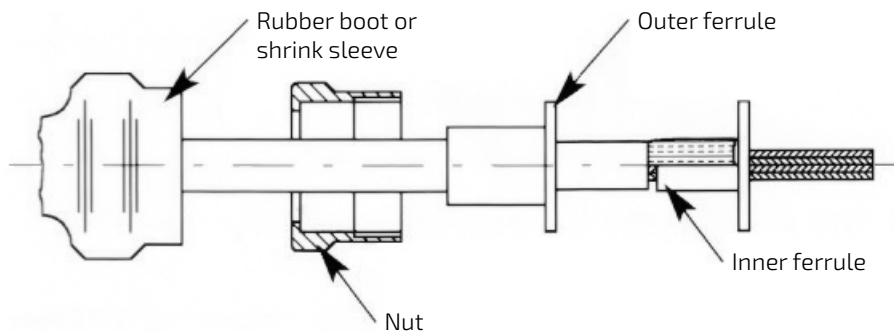
Note: All dimensions are in millimeters (mm).

Assembly Instructions

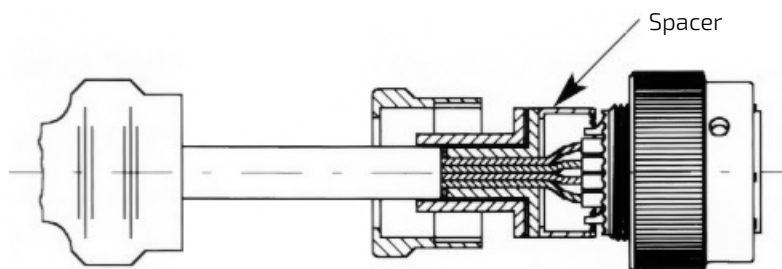
Assembly instructions for 360° screened cable termination

1. Strip sheath 20mm.
2. Feed rubber boot (or shrink sleeve), nut and outer ferrule over cable.
3. Comb inner ferrule onto braid over sheath.
4. Slide inner ferrule onto braid over sheath.

Note: do not allow ferrule to slide off braid onto sheath.

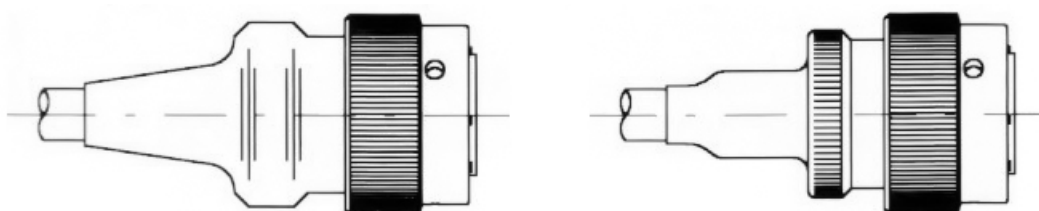


5. Strip cores, tin, fit support sleeves, solder cores to connector.
6. Position support sleeves over soldered joints.
7. Slide inner ferrule off braid onto cores, adjacent outer sheath.
8. Comb braid neatly over inner ferrule.
9. Slide outer ferrule over inner ferrule and braid, closing ferrule flanges together.
10. Trim off excess braid close to flange
11. Position spacer over cores.
12. Secure ferrule and spacer to connector with nut, locking threads with liquid thread locking compound if required. For tightening torque value see page 45.



- 13A. (Rubber gaiter). With aid of a suitable lubricant, slide boot into position over ferrules and nut.
- 13B. (Heat shrink boot). Position shrink sleeve over ferrules.

Shrink to ferrules and cable with a hot air gun.



Wire Preparation and Tightening Torques

Wire stripping

Strip insulation 3.0 mm to 4.0 mm from end of wires to expose conductor. Ensure that conductor ends are not frayed by twisting them back to their original lay and tin dip.

Contact size	Wire seal and conductor		
	Wire insulation		Conductor
	Diameter min	Diameter max	Diameter min
20	1.20	2.15	1.10
16	1.65	2.80	1.60

Recommended tightening torques for accessories and 07A and 07B style connector panel locking nuts.

Shell size	Connectors torque (Nm)	Accessories torque (Nm)
08	3.75	3.40 - 4.00
10	4.05	4.00 - 4.50
12	6.80	4.50 - 5.10
14	7.35	5.10 - 5.65
16	8.25	5.65 - 6.80
18	9.25	6.80 - 7.90
20	12.00	8.50 - 9.05
22	13.90	9.60 - 10.15
24	15.05	10.75 - 11.30

Note: All dimensions are in millimeters (mm).

Product Safety Information

These notes are intended to be used in conjunction with the Product Catalogue and Product Specification. Products may be safely used in the applications for which they have been designed and within the specified rating and environments. If products are exposed to conditions outside the performance ratings or specified environments they may constitute a hazard. In particular it should be noted that:

1. Material Content

Circular Connectors generally use metalwork parts made of brass, aluminium, phosphor-bronze or steel, which, dependant on the particular application, may be passivated and protected with cadmium or zinc plate – in conjunction with chromated or anodised surface finishes. The insulating materials can either be natural or synthetic rubber, together with plastic or glass-filled plastic moulded parts. Contact materials vary but are usually made of brass, phosphor-bronze, alumei or chromel.

2. Electric Shock, Burns and Fire

Hazard can occur if the product is used outside the specified parameters or if the product is damaged, wrongly wired, poorly assembled, poorly integrated into larger equipments, or contaminated with conductive fluids. Live circuit terminations must be protected and live circuits never broken by disconnecting products.

Hot spots may be created when resistance is increased due to damage or incorrect integration particularly soldering, or loose terminations. Overheating can cause breakdown of insulation, electric shock, burns or, ultimately, fire. In the event of fire noxious and/or toxic fumes may be released and, in these circumstances, any fire involving the product should be dealt with by personnel properly equipped. Connectors with exposed terminations or contacts should not be used on the current supply side of a circuit with exposed contacts on an unmated product. Before making a circuit live, the product and wiring should be checked to ensure there is no electrically conducting debris present. Circuit resistance checks should also be conducted before making the circuit live. Always ensure that connectors are assembled and wired by properly trained personnel.

3. Use, Transport and Storage of Products

Care must be exercised to avoid damage to any part of the products during transporting, storage or use. Abnormal transit or storage conditions and abuse during installation can give rise to damage. Products should not be used in a damaged condition.

Improper storage (particularly of damaged products) can give rise to additional hazards particularly corrosion. Attention is specifically drawn to the need for proper storage of products containing cadmium and you are advised to see the Guidance Note from the Health and safety Executive on Cadmium – Health and Safety Precautions.

4. Disposal of Products

Product should not be burnt.

Safety Rules

- Follow the guidelines given
- Always protect live circuits and never disconnect a live connector
- Never use a damaged connector
- Never burn discarded connectors

Lodge Group

FC Lane Electronics Ltd

Franchised connector distributor

+44 (0) 1403 790 661
fclane.com



Weald Electronics Ltd

Manufacturers of high quality connectors and accessories

+44 (0) 1403 790 715
wealdelectronics.com



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Division of FC Lane dedicated to motorsport industry

+44 (0) 1403 790 661
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