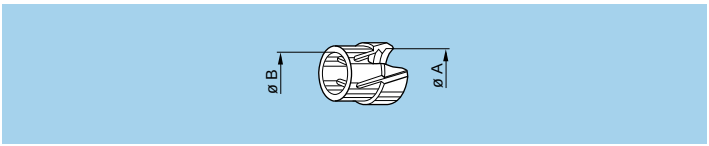
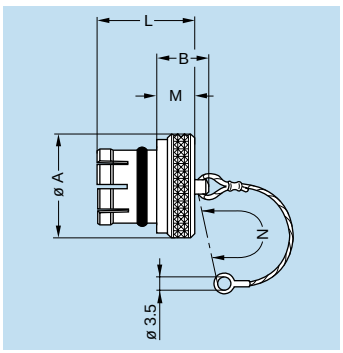
Collets



Reference		Collet ø		Cable ø		Part number of the collet [1]	Availability
Type	ø	ø A	ø B	max.	min.		
D	52	5.2	–	5.1	4.5	FFA.2C.752.DN	○
D	62	6.2	–	6.1	5.5	FFA.2C.762.DN	○
D	72	7.2	6.2	7.1	6.5	FFA.2C.772.DN	○
D	80	8.0	6.2	7.9	7.5	FFA.2C.780.DN	○

Note:
[1] For ordering collets separately.
All dimensions are in millimeters.

Accessories

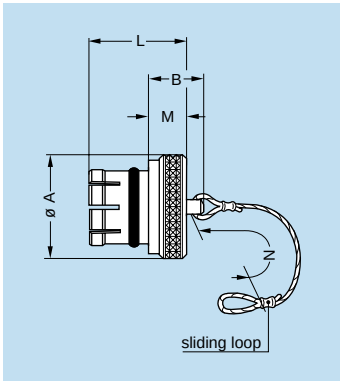


BRE Blanking caps for fixed and free receptacles

Part number	Dimensions (mm)					Availability
	A	B	L	M	N	
BRE.2G.200.NAS	18	12	10.6	6.0	85	○

Note: These caps are suitable for use with any alignment key configuration. The last letter «S» of the part number stands for the material of the O ring (silicone rubber). O-rings made from FPM are also available; if required, replace the letter «S» by «V».

- Body material: Nickel-plated brass (Ni 3 µm)
- Lanyard material: Stainless steel
- O-ring material: Silicone rubber or FPM
- Maximum operating temperature: 392° F
- Watertightness: IP61 according to IEC 60529

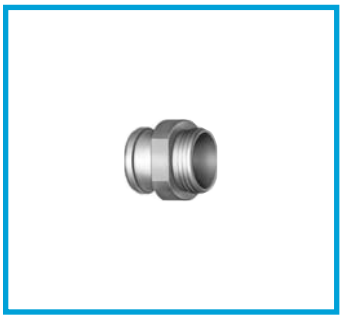


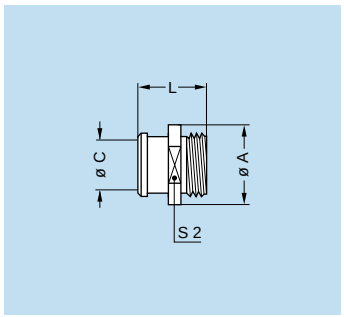
BRF Blanking caps for fixed receptacles

Part number	Dimensions (mm)					Availability
	A	B	L	M	N	
BRF.2G.200.NAS	18	12	14.0	6.0	85	○

Note: This caps are suitable for use with any alignment key configuration. The last letter «S» of the part number stands for the material of the O ring (silicone rubber). O-rings made from FPM are also available; if required, replace the letter «S» by «V».

- Body material: Nickel-plated brass (Ni 3 µm)
- Lanyard material: Stainless steel
- O-ring material: Silicone rubber or FPM
- Maximum operating temperature: 392° F
- Watertightness: IP61 according to IEC 60529





FFM Nut for bend relief

Part number	Dimensions (mm)				Availability
	A	C	L	S2	
FFM.2C.130.LC	14	8	12.2	12	○

Note: For bend reliefs to be used with this nut see section «Accessories» page 137.

- Material: Chrome-plated brass (0.3 µm)

Note: Other accessories are also available. See section «Accessories» on page 129.

● Standard, typically 0-6 weeks delivery for quantities of 250 or less.
○ Non-standard product, contact LEMO USA, typically 6-12 weeks delivery for quantities of 250 or less.
Non-standard product is defined as any product which contains one or more components which are not standard.

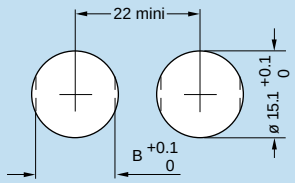
Tooling

Please consult the «Tooling» section (page 129).

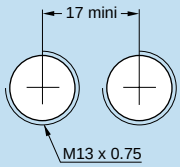
Panel cut-outs

Panel cut-outs

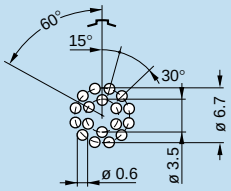
EGG - ECG



EYG



PCB drilling pattern



Note: Mounting nut torque – 6 Nm (1N = 0.102 kg)

• Accessories

• Tooling

Accessories

FGG-EGG Insulators for crimp contacts

male

female

	Type	Insulator part number			
		Male contact	Availability	Female contact	Availability
00	302	FGG.00.302.YL	○	EGG.00.402.YL	○
	303	FGG.00.303.YL	○	EGG.00.403.YL	○
	304	FGG.00.304.YL	○	EGG.00.404.YL	○
0B	302	FGG.0B.302.YL	●	EGG.0B.402.YL	●
	303	FGG.0B.303.YL	●	EGG.0B.403.YL	●
	304	FGG.0B.304.YL	●	EGG.0B.404.YL	●
	305	FGG.0B.305.YL	●	EGG.0B.405.YL	●
	306	FGG.0B.306.YL	○	-	
	307	FGG.0B.307.YL	○	-	
	309	FGG.0B.309.YL	○	-	
1B	302	FGG.1B.302.YL	○	EGG.1B.402.YL	○
	303	FGG.1B.303.YL	●	EGG.1B.403.YL	○
	304	FGG.1B.304.YL	●	EGG.1B.404.YL	●
	305	FGG.1B.305.YL	●	EGG.1B.405.YL	○
	306	FGG.1B.306.YL	●	EGG.1B.406.YL	●
	307	FGG.1B.307.YL	●	EGG.1B.407.YL	○
	308	FGG.1B.308.YL	○	EGG.1B.408.YL	○
	310	FGG.1B.310.YL	○	-	
	314	FGG.1B.314.YL	○	-	
	316	FGG.1B.316.YL	○	-	
2B	302	FGG.2B.302.YL	○	EGG.2B.402.YL	○
	303	FGG.2B.303.YL	○	EGG.2B.403.YL	○
	304	FGG.2B.304.YL	●	EGG.2B.404.YL	○
	305	FGG.2B.305.YL	○	EGG.2B.405.YL	○
	306	FGG.2B.306.YL	●	EGG.2B.406.YL	○
	307	FGG.2B.307.YL	●	EGG.2B.407.YL	○
	308	FGG.2B.308.YL	○	EGG.2B.408.YL	○
	310	FGG.2B.310.YL	○	EGG.2B.410.YL	○
	312	FGG.2B.312.YL	○	EGG.2B.412.YL	○
	314	FGG.2B.314.YL	○	EGG.2B.414.YL	○
	316	FGG.2B.316.YL	○	EGG.2B.416.YL	○
	318	FGG.2B.318.YL	○	EGG.2B.418.YL	○
	319	FGG.2B.319.YL	○	EGG.2B.419.YL	○
	326	FGG.2B.326.YL	○	-	
	332	FGG.2B.332.YL	○	-	
3B	302	FGG.3B.302.YL	○	EGG.3B.402.YL	○
	303	FGG.3B.303.YL	○	EGG.3B.403.YL	○
	304	FGG.3B.304.YL	○	EGG.3B.404.YL	○
	305	FGG.3B.305.YL	○	EGG.3B.405.YL	○
	306	FGG.3B.306.YL	○	EGG.3B.406.YL	○
	307	FGG.3B.307.YL	○	EGG.3B.407.YL	○

	Type	Insulator part number			
		Male contact	Availability	Female contact	Availability
3B	308	FGG.3B.308.YL	●	EGG.3B.408.YL	○
	309	FGG.3B.309.ML	○	EGG.3B.409.ML	○
	310	FGG.3B.310.YL	●	EGG.3B.410.YL	○
	312	FGG.3B.312.YL	●	EGG.3B.412.YL	○
	314	FGG.3B.314.YL	○	EGG.3B.414.YL	○
	316	FGG.3B.316.YL	○	EGG.3B.416.YL	○
	318	FGG.3B.318.YL	○	EGG.3B.418.YL	○
	320	FGG.3B.320.YL	○	EGG.3B.420.YL	○
	322	FGG.3B.322.YL	○	EGG.3B.422.YL	○
	324	FGG.3B.324.YL	○	EGG.3B.424.YL	○
	326	FGG.3B.326.YL	○	EGG.3B.426.YL	○
	330	FGG.3B.330.YL	○	EGG.3B.430.YL	○
4B	304	FGG.4B.304.YL	○	EGG.4B.404.YL	○
	306	FGG.4B.306.YL	○	EGG.4B.406.YL	○
	307	FGG.4B.307.YL	○	EGG.4B.407.YL	○
	310	FGG.4B.310.YL	○	EGG.4B.410.YL	○
	312	FGG.4B.312.YL	○	EGG.4B.412.YL	○
	316	FGG.4B.316.YL	○	EGG.4B.416.YL	○
	320	FGG.4B.320.YL	○	EGG.4B.420.YL	○
	324	FGG.4B.324.YL	○	EGG.4B.424.YL	○
	330	FGG.4B.330.YL	○	EGG.4B.430.YL	○
	340	FGG.4B.340.YL	○	EGG.4B.440.YL	○
5B	304	FGG.5B.304.ML	○	EGG.5B.404.ML	○
	310	FGG.5B.310.YL	○	EGG.5B.410.YL	○
	314	FGG.5B.314.YL	○	EGG.5B.414.YL	○
	316	FGG.5B.316.YL	○	EGG.5B.416.YL	○
	320	FGG.5B.320.YL	○	EGG.5B.420.YL	○
	330	FGG.5B.330.YL	○	EGG.5B.430.YL	○
	340	FGG.5B.340.YL	○	EGG.5B.440.YL	○
	348	FGG.5B.348.YL	○	EGG.5B.448.YL	○
	350	FGG.5B.350.ML	○	EGG.5B.450.ML	○
	354	FGG.5B.354.YL	○	EGG.5B.454.YL	○
	364	FGG.5B.364.YL	○	EGG.5B.464.YL	○

Note: Each insulator can be used both for crimp contacts of normal shape (fig. 1) or with reduced solder cups (fig. 2) as shown on page 131,132.

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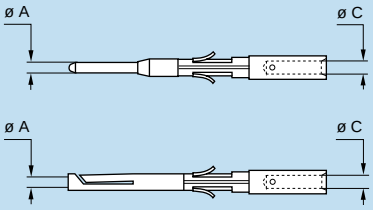
○ Non-standard product, contact LEMO USA, typically 6-12 weeks delivery for quantities of 250 or less.
Non-standard product is defined as any product which contains one or more components which are not standard.

FGG-EGG Crimp contacts

Fig. 1



Note:
See next page for additional style

	Types	ø A (mm)	ø C (mm)	Contact part number			
				Male	Avail-ability	Female	Avail-ability
00	302	0.5	0.45	FGG.00.554.ZZC	○	EGG.00.654.ZZM	○
	303	0.5	0.45	FGG.00.554.ZZC	○	EGG.00.654.ZZM	○
	304	0.5	0.45	FGG.00.554.ZZC	○	EGG.00.654.ZZM	○
0B	302/303	0.9	1.10	FGG.0B.560.ZZC	●	EGG.0B.660.ZZM	●
	304/305	0.7	0.80	FGG.0B.555.ZZC	●	EGG.0B.655.ZZM	●
	306/307/309	0.5	0.45	FGG.0B.554.ZZC	○	EGG.0B.654.ZZM	○
0S	302	0.9	1.10	FGG.0B.560.ZZC	●	EGG.0B.660.ZZM	●
1B	302/303	1.3	1.40	FGG.1B.565.ZZC	●	EGG.1B.665.ZZM	○
	304/305	0.9	1.10	FGG.1B.560.ZZC	●	EGG.1B.660.ZZM	●
	306/307/308	0.7	0.80	FGG.1B.555.ZZC	●	EGG.1B.655.ZZM	●
	310/314/316	0.5	0.45	FGG.1B.554.ZZC	○	EGG.1B.654.ZZM	○
1S	302	1.3	1.40	FGG.1B.565.ZZC	●	EGG.1B.665.ZZM	●
	304	0.9	1.10	FGG.1B.560.ZZC	●	EGG.1B.660.ZZM	●
2B	302	2.0	2.40	FGG.2B.575.ZZC	●	EGG.2B.675.ZZM	●
	303	1.6	1.90	FGG.2B.570.ZZC	●	EGG.2B.670.ZZM	●
	304/305	1.3	1.40	FGG.2B.565.ZZC	●	EGG.2B.665.ZZM	●
	306/307	1.3	1.40	FGG.2B.565.ZZC	●	EGG.2B.665.ZZM	●
	308/310	0.9	1.10	FGG.2B.560.ZZC	●	EGG.2B.660.ZZM	●
	312/314/316	0.7	0.80	FGG.2B.555.ZZC	●	EGG.2B.655.ZZM	●
	318/319	0.7	0.80	FGG.2B.555.ZZC	●	EGG.2B.655.ZZM	●
	326/332	0.5	0.45	FGG.2B.554.ZZC	○	EGG.2B.654.ZZM	○
2S	306	1.3	1.40	FGG.2B.565.ZZC	●	EGG.2B.665.ZZM	●
3B	302	3.0	2.90	FGG.3B.580.ZZC	○	EGG.3B.680.ZZM	○
	303/304/309	2.0	2.40	FGG.3B.575.ZZC	●	EGG.3B.675.ZZM	●
	305/306/307	1.6	1.90	FGG.3B.570.ZZC	●	EGG.3B.670.ZZM	●
	308/309/310	1.3	1.40	FGG.3B.565.ZZC	●	EGG.3B.665.ZZM	●
	312/314	0.9	1.10	FGG.3B.560.ZZC	●	EGG.3B.660.ZZM	●
	316/318	0.9	1.10	FGG.3B.560.ZZC	●	EGG.3B.660.ZZM	●
	320/322/324	0.7	0.80	FGG.3B.555.ZZC	●	EGG.3B.655.ZZM	●
	326/330	0.7	0.80	FGG.3B.555.ZZC	●	EGG.3B.655.ZZM	●
4B	304	3.0	2.90	FGG.4B.580.ZZC	○	EGG.4B.680.ZZM	○
	306/307	2.0	2.40	FGG.4B.575.ZZC	○	EGG.4B.675.ZZM	○
	310	1.6	1.90	FGG.4B.570.ZZC	○	EGG.4B.670.ZZM	○
	312	1.3	1.40	FGG.4B.565.ZZC	○	EGG.4B.665.ZZM	○
	316/320	0.9	1.10	FGG.4B.560.ZZC	○	EGG.4B.660.ZZM	○
	324/330	0.9	1.10	FGG.4B.560.ZZC	○	EGG.4B.660.ZZM	○
	340	0.7	0.80	FGG.4B.555.ZZC	○	EGG.4B.655.ZZM	○
5B	304	4.0	4.00	FGG.5B.582.ZZC	○	EGG.5B.682.ZZM	○
	310	3.0	2.90	FGG.5B.580.ZZC	○	EGG.5B.680.ZZM	○
	314/316	2.0	2.40	FGG.5B.575.ZZC	○	EGG.5B.675.ZZM	○
	320	1.6	1.90	FGG.5B.570.ZZC	○	EGG.5B.670.ZZM	○
	330/340/348	1.3	1.40	FGG.5B.565.ZZC	○	EGG.5B.665.ZZM	○
	350/354/364	0.9	1.10	FGG.5B.560.ZZC	○	EGG.5B.660.ZZM	○

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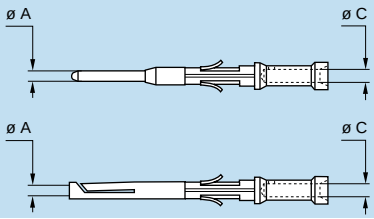
Non-standard product is defined as any product which contains one or more components which are not standard.

FGG-EGG Crimp contacts

Fig. 2



	Types	ø A (mm)	ø C (mm)	Contact part number			
				Male	Avail-ability	Female	Avail-ability
0B	302/303	0.9	0.80	FGG.0B.561.ZZC	○	EGG.0B.661.ZZM	○
	302/303	0.9	0.45	FGG.0B.562.ZZC	○	EGG.0B.662.ZZM	○
	304/305	0.7	0.45	FGG.0B.556.ZZC	○	EGG.0B.656.ZZM	○
0S	302	0.9	0.80	FGG.0B.561.ZZC	○	EGG.0B.661.ZZM	○
	302	0.9	0.45	FGG.0B.562.ZZC	○	EGG.0B.662.ZZM	○
1B	302/303	1.3	1.10	FGG.1B.566.ZZC	○	EGG.1B.666.ZZM	○
	304/305	0.9	0.80	FGG.1B.561.ZZC	○	EGG.1B.661.ZZM	○
	306/307/308	0.7	0.45	FGG.1B.556.ZZC	○	EGG.1B.656.ZZM	○
1S	302	1.3	1.10	FGG.1B.566.ZZC	○	EGG.1B.666.ZZM	○
	304	0.9	0.80	FGG.1B.561.ZZC	○	EGG.1B.661.ZZM	○
2B	302	2.0	1.90	FGG.2B.576.ZZC	○	EGG.2B.676.ZZM	○
	303	1.6	1.40	FGG.2B.571.ZZC	○	EGG.2B.671.ZZM	○
	304/305	1.3	1.10	FGG.2B.566.ZZC	○	EGG.2B.666.ZZM	○
	306/307	1.3	1.10	FGG.2B.566.ZZC	○	EGG.2B.666.ZZM	○
	304/305	1.3	0.80	FGG.2B.567.ZZC	○	EGG.2B.667.ZZM	○
	306/307	1.3	0.80	FGG.2B.567.ZZC	○	EGG.2B.667.ZZM	○
	308/310	0.9	0.80	FGG.2B.561.ZZC	○	EGG.2B.661.ZZM	○
	308/310	0.9	0.45	FGG.2B.562.ZZC	○	EGG.2B.662.ZZM	○
	312/314/316	0.7	0.45	FGG.2B.556.ZZC	○	EGG.2B.656.ZZM	○
	318/319	0.7	0.45	FGG.2B.556.ZZC	○	EGG.2B.656.ZZM	○
2S	306	1.3	1.10	FGG.2B.566.ZZC	○	EGG.2B.666.ZZM	○
	306	1.3	0.80	FGG.2B.567.ZZC	○	EGG.2B.667.ZZM	○
3B	303/304/309	2.0	1.90	FGG.3B.576.ZZC	○	EGG.3B.676.ZZM	○
	305/306/307	1.6	1.40	FGG.3B.571.ZZC	○	EGG.3B.671.ZZM	○
	308/309/310	1.3	1.10	FGG.3B.566.ZZC	○	EGG.3B.666.ZZM	○
	312/314	0.9	0.80	FGG.3B.561.ZZC	○	EGG.3B.661.ZZM	○
	316/318	0.9	0.80	FGG.3B.561.ZZC	○	EGG.3B.661.ZZM	○
	320/322/324	0.7	0.45	FGG.3B.556.ZZC	○	EGG.3B.656.ZZM	○
	326/330	0.7	0.45	FGG.3B.556.ZZC	○	EGG.3B.656.ZZM	○
4B	306/307	2.0	1.90	FGG.4B.576.ZZC	○	EGG.4B.676.ZZM	○
	310	1.6	1.40	FGG.4B.571.ZZC	○	EGG.4B.671.ZZM	○
	312	1.3	1.10	FGG.4B.566.ZZC	○	EGG.4B.666.ZZM	○
	316/320	0.9	0.80	FGG.4B.561.ZZC	○	EGG.4B.661.ZZM	○
	324/330	0.9	0.80	FGG.4B.561.ZZC	○	EGG.4B.661.ZZM	○
	340	0.7	0.45	FGG.4B.556.ZZC	○	EGG.4B.656.ZZM	○
5B	314/316	2.0	1.90	FGG.5B.576.ZZC	○	EGG.5B.676.ZZM	○
	320	1.6	1.40	FGG.5B.571.ZZC	○	EGG.5B.671.ZZM	○
	330/340/348	1.3	1.10	FGG.5B.566.ZZC	○	EGG.5B.666.ZZM	○
	350/354/364	0.9	0.80	FGG.5B.561.ZZC	○	EGG.5B.661.ZZM	○

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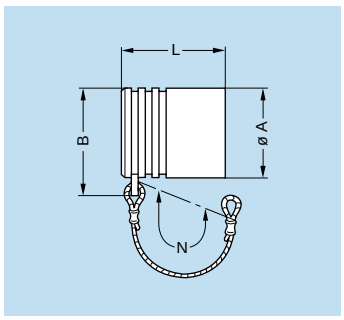
○ Non-standard product, contact LEMO USA, typically 6-12 weeks delivery for quantities of 250 or less.
Non-standard product is defined as any product which contains one or more components which are not standard.

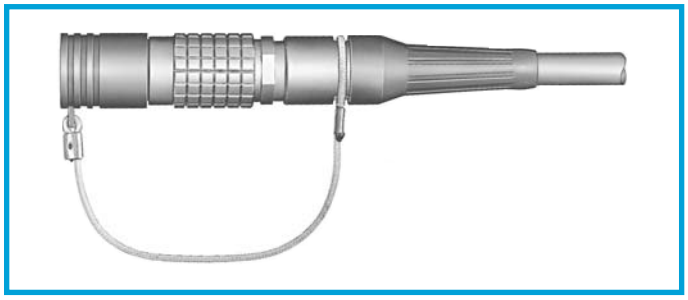


BFG Plug caps

Part number	Series	Dimensions (mm)				Availability
		A	B	L	N	
BFG.00.100 PCSG	00	7.5	10	10.0	60	○
BFG.0B.100.PCSG	0S-0B	9.5	12	12.2	85	○
BFG.1B.100.PCSG	1S-1B	12.0	15	13.8	85	○
BFG.2B.100.PCSG	2S-2B	15.0	18	15.0	85	○
BFG.3B.100.PCSG	3S-3B	18.5	22	18.5	95	○

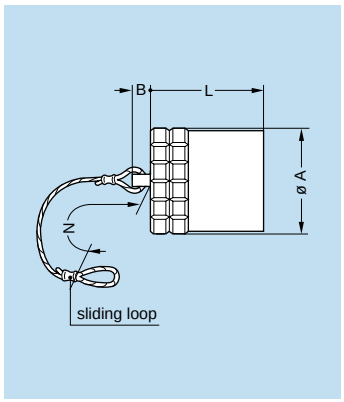
- Body material: Polyoxymethylene (POM) grey (or black)
- Cord material: Polyamide 6, white (or black)
- Gasket material: Silicone rubber
- Maximum operating temperature: 212° F
- Watertightness: IP61 according to IEC 60529

Note: This cap is available only with an alignment key (G). Upon request this cap can be supplied in black and the last letter «G» of the part number should be replaced with «N».



Fitting the cord

Slide the plug into the loop of the cord. Place the loop into the groove in front of the collet nut and tighten the loop.

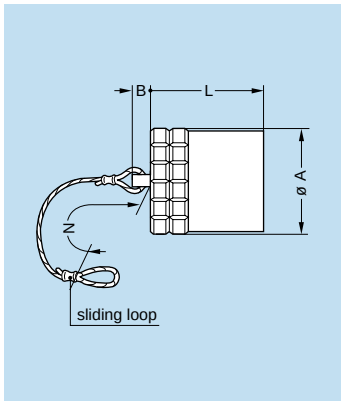


BFA Plug caps

Part number	Series	Dimensions (mm)				Availability
		A	B	L	N	
BFA.4S.100.NAS	4S	25.0	10	22.0	120	○
BFA.5S.100.NAS	5S	36.0	10	30.0	150	○
BFA.6S.100.NAS	6S	46.0	10	33.0	150	○

Note: The last letter «S» of the part number corresponds to the alignment key of the plug. The last letter «S» of the part number stands for the material of the O-ring (silicone rubber). O-rings made from FPM are also available; if required, replace the letter «S» by «V».

- Body material: Nickel-plated brass (Ni 3µm)
- Lanyard material: Stainless steel
- Crimp ferrule material: Nickel-plated brass + polyolefin
- O-ring material: Silicone rubber or FPM
- Maximum operating temperature: 275° F



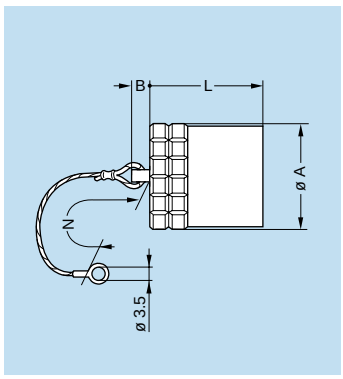
BFG Plug caps with key (G)

Part number	Series	Dimensions (mm)				Availability
		A	B	L	N	
BFG.4B.100.NAS	4B	25.0	10	20.0	120	○
BFG.5B.100.NAS	5B	36.0	10	27.0	150	○

Note: This cap is available only with an alignment key (G). The last letter «S» of the part number corresponds to the alignment key of the plug. The last letter «S» of the part number stands for the material of the O-ring (silicone rubber). O-rings made from FPM are also available; if required, replace the letter «S» by «V».

- Body material: Nickel-plated brass (Ni 3µm)
- Lanyard material: Stainless steel
- Crimp ferrule material: Nickel-plated brass + polyolefin
- O-ring material: Silicone rubber or FPM
- Maximum operating temperature: 275° F

● Standard, typically 0-6 weeks delivery for quantities of 250 or less.
○ Non-standard product, contact LEMO USA, typically 6-12 weeks delivery for quantities of 250 or less.
Non-standard product is defined as any product which contains one or more components which are not standard.

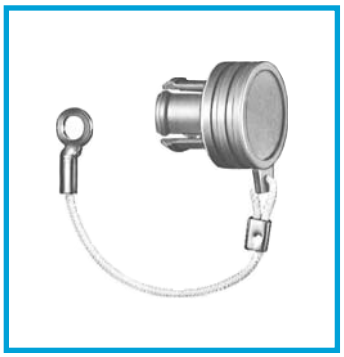


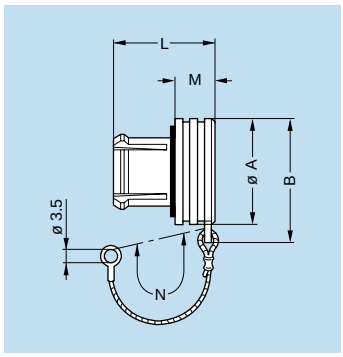
BHG Plug caps, nut fixing or flange

Part number	Series	Dimensions (mm)				Availability
		A	B	L	N	
BHG.4B.100.NAS	4B	25.0	10	20.0	120	○
BHG.5B.100.NAS	5B	36.0	10	27.0	150	○

- Body material: Nickel-plated brass (Ni 3µm)
- Lanyard material: Stainless steel
- Crimp ferrule material: Nickel-plated brass + polyolefin
- O-ring material: Silicone rubber or FPM
- Maximum operating temperature: 275° F

Note: This cap is available only with an alignment key (G). The last letter «S» of the part number corresponds to the alignment key of the plug. The last letter «S» of the part number stands for the material of the O-ring (silicone rubber). O-rings made from FPM are also available; if required, replace the letter «S» by «V».



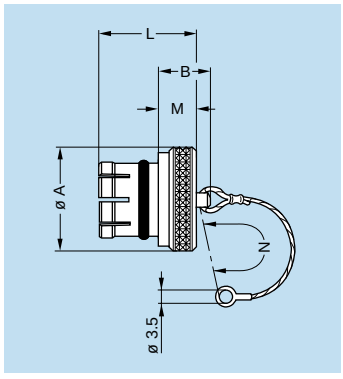


BRA Blanking caps for fixed receptacles and free straight receptacles

Part number	Series	Dimensions (mm)					Avail-ability
		A	B	L	M	N	
BRA.00.200.PCSG	00	7.5	10.0	8.2	2.7	60	○
BRA.0B.200.PCSG	0S-0B	10.0	12.5	11.0	4.8	60	○
BRA.1B.200.PCSG	1S-1B	14.0	17.0	13.5	5.6	60	○
BRA.2B.200.PCSG	2S-2B 2C-2G	18.0	21.0	14.5	6.0	60	○
BRA.3B.200.PCSG	3S-3B	22.0	25.5	17.0	7.0	60	○

- Body material: Polyoxymethylene (POM) grey (or black)
- Cord material: Polyamide 6, white (or black)
- Gasket material: Silicone rubber
- Maximum operating temperature: 212° F
- Watertightness: IP61 according to IEC 60529

Note: These caps are suitable for use with any alignment key configuration. On request this cap can be supplied in black. If so, replace the last letter «G» of the part number by «N».



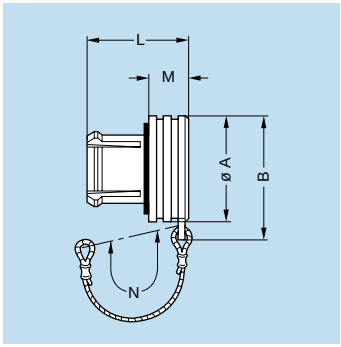
BRE Blanking caps for fixed and free receptacles

Part number	Series	Dimensions (mm)					Avail-ability
		A	B	L	M	N	
BRE.00.200.NAS	00	8	9.5	8.8	3.5	60	○
BRE.0S.200.NAS	0S-0B	10	10.5	10.5	4.5	85	○
BRE.1S.200.NAS	1S-1B	14	11.0	12.5	5.0	85	○
BRE.2S.200.NAS	2S-2B	18	12.0	14.0	6.0	85	○
BRE.3S.200.NAS	3S-3B	22	14.0	18.0	8.0	120	○
BRE.4S.200.NAS	4S-4B	28	20.0	23.0	10.0	120	○
BRE.5S.200.NAS	5S-5B	40	22.0	30.0	12.0	150	○
BRE.6S.200.NAS	6S	54	22.0	30.0	12.0	150	○

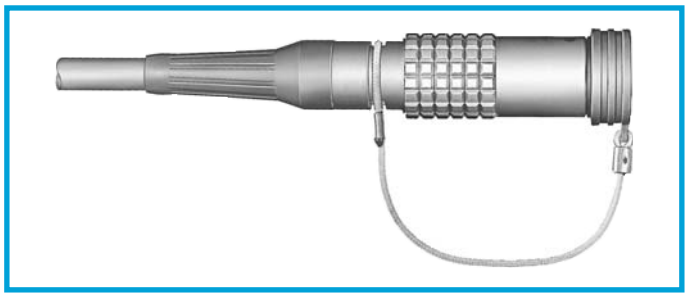
- Body material: Nickel-plated brass (Ni 3 µm)
- Lanyard material: Stainless steel
- Crimp ferrule material: Nickel-plated brass + polyolefin
- O-ring material: Silicone rubber or FPM
- Maximum operating temperature: 275° F
- Watertightness: IP61 according to IEC 60529

Note: These caps are suitable for use with any alignment key configuration. The last letter «S» of the part number stands for the O-ring material (silicone rubber). O-rings made from FPM are also available; if required, replace the letter «S» by «V».

● Standard, typically 0-6 weeks delivery for quantities of 250 or less.
○ Non-standard product, contact LEMO USA, typically 6-12 weeks delivery for quantities of 250 or less.
Non-standard product is defined as any product which contains one or more components which are not standard.



- Body material: Polyoxymethylene (POM) grey (or black)
- Cord material: Polyamide 6, white (or black)
- Gasket material: Silicone rubber
- Maximum operating temperature: 212° F
- Watertightness: IP61 according to IEC 60529



BRD Blanking caps for free receptacles

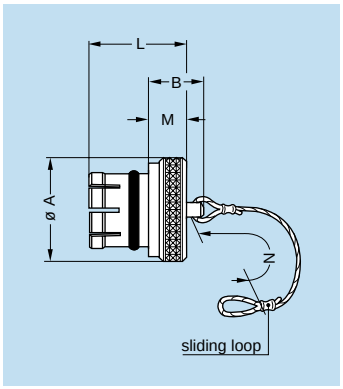
Part number	Series	Dimensions (mm)					Avail-ability
		A	B	L	M	N	
BRD.00.200.PCSG	00	7.5	10.0	8.2	2.7	60	○
BRD.0B.200.PCSG	0S-0B	10.0	12.5	11.0	4.8	85	○
BRD.1B.200.PCSG	1S-1B	14.0	17.0	13.5	5.6	85	○
BRD.2B.200.PCSG	2S-2B	18.0	21.0	14.5	6.0	85	○
BRD.3B.200.PCSG	3S-3B	22.0	25.5	17.0	7.0	95	○

Note: On request this cap is available in black. If required, replace the last letter «G» of the part number by «N».

Fitting the cord

Slide the receptacle into the loop of the cord.
Place the loop into the groove in front of the collet nut.
Tighten the loop.

● Standard, typically 0-6 weeks delivery for quantities of 250 or less.
○ Non-standard product, contact LEMO USA, typically 6-12 weeks delivery for quantities of 250 or less.
Non-standard product is defined as any product which contains one or more components which are not standard.

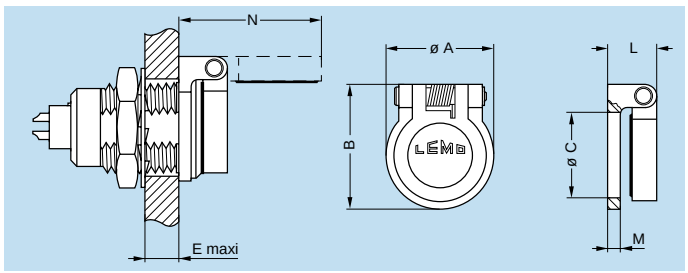


- Body material: Nickel-plated brass (Ni 3 µm)
- Lanyard material: Stainless steel
- Crimp ferrule material: Nickel-plated brass + polyolefin
- O-ring material: Silicone rubber or FPM
- Maximum operating temperature: 275° F
- Watertightness: IP61 according to IEC 60529

BRF Blanking caps for free receptacles

Part number	Series	Dimensions (mm)					Availability
		A	B	L	M	N	
BRF.00.200.NAS	00	8	9.5	8.8	3.5	85	○
BRF.0S.200.NAS	0S-0B	10	10.5	10.5	4.5	85	○
BRF.1S.200.NAS	1S-1B	14	11.0	12.5	5.0	85	○
BRF.2S.200.NAS	2S-2B	18	12.0	14.0	6.0	85	○
BRF.3S.200.NAS	3S-3B	22	14.0	18.0	8.0	120	○
BRF.4S.200.NAS	4S-4B	28	20.0	23.0	10.0	120	○
BRF.5S.200.NAS	5S-5B	40	22.0	30.0	12.0	150	○
BRF.6S.200.NAS	6S	54	22.0	30.0	12.0	150	○

Note: These caps are suitable for use with any alignment key configuration. The last letter «S» of the part number stands for the O-ring material (silicone rubber). O-rings made from FPM are also available; if required, replace the letter «S» by «V».



- Body material: Polyoxymethylene (POM) grey (or black)
- Gasket material: Silicone rubber

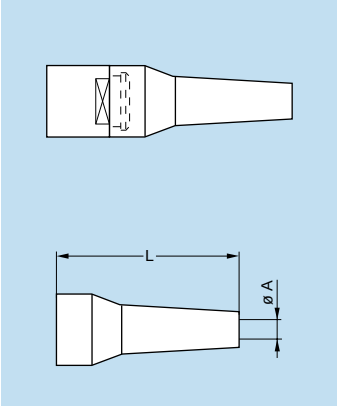
BRR Spring loaded dust caps for ERA, ERN and EG● receptacles or PSA and PK● fixed receptacles

Part number	Series	Dimensions (mm)							Availability
		A	B	C	E	L	M	N	
BRR.0S.200.PZSG	0S-0B	11.0	13.3	9.0	5.8	5.0	1.2	15.3	○
BRR.1S.200.PZSG	1S-1B	14.2	17.1	12.0	6.0	6.3	1.5	20.3	○
BRR.2S.200.PZSG	2S-2B 2C-2G	18.6	22.4	15.2	6.5	8.2	2.0	26.2	○
BRR.3S.200.PZSG	3S-3B	22.5	26.5	18.2	9.0	8.8	2.5	30.8	○

Note: On request, this cap is available in black. If so replace the last letter «G» of the part number by «N».

- Spring material: Stainless steel
- Maximum operating temperature: 212° F
- Watertightness: IP61 according to IEC 60529

● Standard, typically 0-6 weeks delivery for quantities of 250 or less.
○ Non-standard product, contact LEMO USA, typically 6-12 weeks delivery for quantities of 250 or less.
Non-standard product is defined as any product which contains one or more components which are not standard.



GM● Bend relief (Polyurethane)

A bend relief made from thermoplastic polyurethane elastomer (Desmopan 786) can be fitted over LEMO plugs and receptacles that are supplied with a specially fitted nut. They are available in nine different colors that match with the GRA insulating washers (see page 140).

Use the part numbers shown below to order this accessory separately.

Main characteristics

- Material: Polyurethane elastomer
- Temperature range in dry atmosphere: -40° F to +176° F

Part number	Dimensions (mm)				Series	Part number of nut for fitting the bend relief	Note	Avail-ability
	Bend relief		Cable ø					
	A	L	max.	min.				
GMA.00.012.DG	1.2	22	1.4	1.1	00	FFM.00.130.LC[1)] FFM.00.131.LC [2)]	[1)] For single contact connectors [2)] For multicontact connectors	○
GMA.00.018.DG	1.8	22	2.1	1.8				○
GMB.00.025.DG	2.5	22	2.8	2.5				○
GMB.00.028.DG	2.8	22	3.1	2.8				○
GMB.00.032.DG	3.2	22	3.5	3.2				○
GMD.00.025.DG	2.5	22	2.8	2.5				●
GMD.00.028.DG	2.8	22	3.1	2.8			The «GMD» are thin bend reliefs (for very flexible cables).	●
GMD.00.032.DG	3.2	22	3.5	3.2				●
GMA.0B.025.DG	2.5	24	2.9	2.5	0B	FFM.0B.130.LC FFM.2B.132.LC [1)]	[1)] For use only with connectors from series 2B equipped with cable fixing type M and where a bend relief from series 0B is used.	●
GMA.0B.030.DG	3.0	24	3.4	3.0				●
GMA.0B.035.DG	3.5	24	3.9	3.5	0S	FFM.0S.130.LC		●
GMA.0B.040.DG	4.0	24	4.4	4.0				●
GMA.0B.045.DG	4.5	24	5.2	4.5				●
GMA.1B.025.DG	2.5	30	2.9	2.5	1B	FFM.1B.130.LC FFM.3B.131.LC [1)]	[1)] For use only with connectors from series 3B equipped with cable fixing type M and where a bend relief from series 1B is used.	○
GMA.1B.030.DG	3.0	30	3.4	3.0				●
GMA.1B.035.DG	3.5	30	3.9	3.5				●
GMA.1B.040.DG	4.0	30	4.4	4.0	1S	FFM.1S.130.LC		●
GMA.1B.045.DG	4.5	30	4.9	4.5				●
GMA.1B.054.DG	5.4	30	6.0	5.4				●
GMA.1B.065.DG	6.5	30	7.0	6.5				●
GMA.2B.040.DG	4.0	36	4.5	4.0	2B	FFM.2B.130.LC FFM.4B.132.LC [1)]	[1)]For use only with connectors from series 4B equipped with cable fixing type M and where a bend relief from series 2B is used.	○
GMA.2B.045.DG	4.5	36	5.0	4.5				●
GMA.2B.050.DG	5.0	36	5.5	5.0	2S	FFM.2S.130.LC		●
GMA.2B.060.DG	6.0	36	6.5	6.0				●
GMA.2B.070.DG	7.0	36	7.7	7.0				●
GMA.2B.080.DG	7.8	36	8.8	7.8	2C-2G	FFM.2C.130.LC		●
GMA.3B.050.DG	4.5	42	5.2	4.5	3S	FFM.3S.130.LC		●
GMA.3B.070.DG	7.0	42	7.9	7.0	3B	FFM.3B.130.LC		●
GMA.3B.080.DG	8.0	42	8.9	8.0				●
GMA.3B.090.DG	9.0	42	10.0	9.0	4S	FFM.4S.130.LC		●
GMA.4B.080.DG	8.0	60	9.0	8.0	4S	FFM.4S.130.LC		○
GMA.4B.010.DG	10.0	60	10.9	10.0				○
GMA.4B.011.DG	11.0	60	11.9	11.0	4B	FFM.4B.130.LC		○
GMA.4B.012.DG	12.0	60	13.0	12.0				○
GMA.4B.013.DG	13.5	60	14.5	13.5				○

Note: The last letter «G» of the part number indicates the grey color of the bend relief. For ordering a bend relief with another color, see table on page 138 and replace the letter «G» by the letter of the required color.
See also detailed information for each series: B series on page 55; S series on page 110.

● Standard, typically 0-6 weeks delivery for quantities of 250 or less.
○ Non-standard product, contact LEMO USA, typically 6-12 weeks delivery for quantities of 250 or less.
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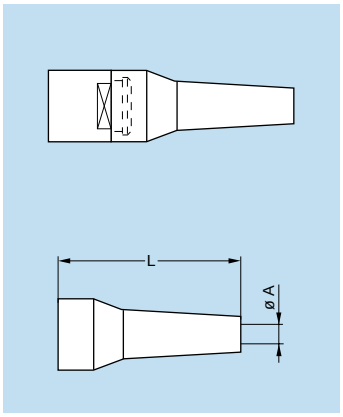


GMA Bend relief (Silicone)

A bend relief has been designed for connectors used in applications at high temperature or requiring vapor sterilization.

These bend reliefs are different from previous ones; their material, a silicone elastomer, is noted for its retention of flexibility over a wide temperature range. They are available in nine colors.

Use the part numbers shown below to order this accessory separately.

Main characteristics

- Material: Silicone elastomer VMQ
- Temperature range in dry atmosphere: -106° F to +392° F
- Temperature range in water steam: +284° F
- Inflammability: not flammable (no UL classification)

Part number	Dimensions (mm)				Series	Part number of nut for fitting the bend relief	Note	Avail-ability
	Bend relief		Cable ø					
	A	L	max.	min.				
GMA.0B.025.RG	2.5	27	2.9	2.5	0B	FFM.0B.130.LC FFM.2B.132.LC [1]	[1] For use only with connectors from series 2B equipped with cable fixing type M and where a bend relief from series 0B is used.	○
GMA.0B.030.RG	3.0	27	3.4	3.0				○
GMA.0B.035.RG	3.5	27	3.9	3.5	0S	FFM.0S.130.LC		○
GMA.0B.040.RG	4.0	27	4.4	4.0				○
GMA.0B.045.RG	4.5	27	5.2	4.5				○
GMA.1B.025.RG	2.5	34	2.9	2.5	1B	FFM.1B.130.LC FFM.3B.131.LC [1]	[1]For use only with connectors from series 3B equipped witt cable fixing type M and where a bend relief from series 1B is used.	○
GMA.1B.030.RG	3.0	34	3.4	3.0				○
GMA.1B.035.RG	3.5	34	3.9	3.5				○
GMA.1B.040.RG	4.0	34	4.4	4.0	1S	FFM.1S.130.LC		○
GMA.1B.045.RG	4.5	34	5.0	4.5				○
GMA.1B.051.RG	5.1	34	5.6	5.1				○
GMA.1B.057.RG	5.7	34	6.2	5.7				○
GMA.1B.063.RG	6.3	34	7.0	6.3				○
GMA.2B.040.RG	4.0	41	4.4	4.0	2B	FFM.2B.130.LC FFM.4B.132.LC [1]	[1]For use only with connectors from series 4B equipped with cable fixing type M and where a bend relief from series 2B is used.	○
GMA.2B.045.RG	4.5	41	5.0	4.5				○
GMA.2B.051.RG	5.1	41	5.6	5.1	2S	FFM.2S.130.LC		○
GMA.2B.057.RG	5.7	41	6.2	5.7				○
GMA.2B.063.RG	6.3	41	7.0	6.3				○
GMA.2B.071.RG	7.1	41	7.9	7.1	2C-2G	FFM.2C.130.LC		○
GMA.2B.080.RG	8.0	41	9.0	8.0				○

Note: The last letter «G» of the part number indicates the grey color of the bend relief. For ordering a bend relief with another color, see table on this page and replace the letter «G» by the letter of the required color.
See also detailed information for each series: B series on page 55; S series on page 110.

Note: The selection of pigments, which should remain stable at high temperature, is limited by new regulations. For this reason, some colors will be a shade different from those used for Desmopan bend reliefs. The selected solutions represent the best possible compromise.

Ref.	Color
A	blue
B	white
G	grey
J	yellow
M	brown

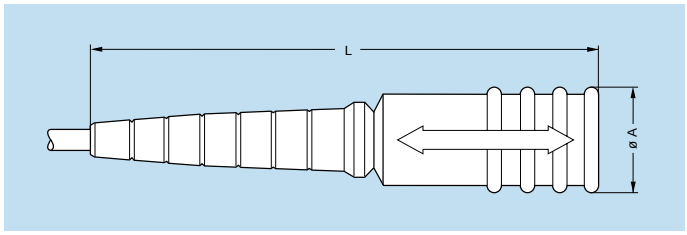
Ref.	Color
N	black
R	red
S	orange
V	green

● Standard, typically 0-6 weeks delivery for quantities of 250 or less.
○ Non-standard product, contact LEMO USA, typically 6-12 weeks delivery for quantities of 250 or less.
Non-standard product is defined as any product which contains one or more components which are not standard.

GM● Overall protective covering with bend relief for plugs and receptacles

Overall protective coverings with bend relief, type GMF for plugs and GMP for receptacles offer optimum protection against mechanical damage and give a protection index of IP65 according to IEC 60529 (mated position). These overall protective coverings with bend relief slide easily over the connector shell and are positioned by slightly pressing the bend relief backnut.

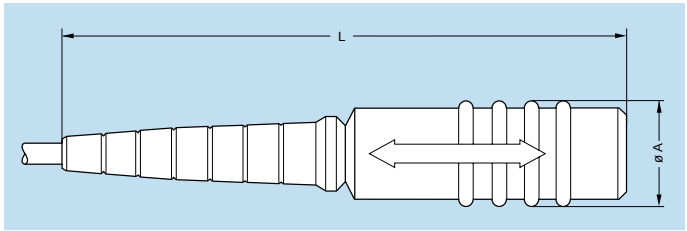
The special design of the overall protective covering for plugs provides for easy use of the push-pull self-latching system.



GMF Overall protective covering for plug

Reference		Dimensions (mm)				Availability
		Overall protective covering		Cable ø		
Model	Series	A	L	max.	min.	
GMF	0S-0B	14.7	60.5	3.5	1.0	○
GMF	1S-1B	16.0	72.0	6.2	2.5	○
GMF	2S-2B	22.0	95.0	8.2	5.0	○

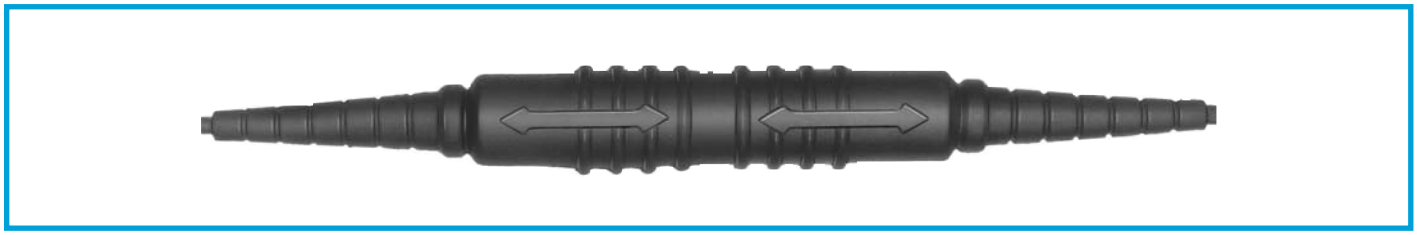
- Material: Elastomere
- Operating temperature: -22° F to +248° F

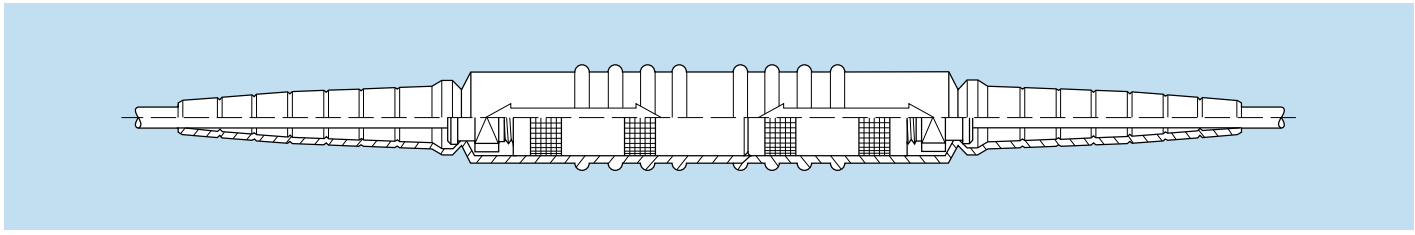


GMP Overall protective covering for free receptacle

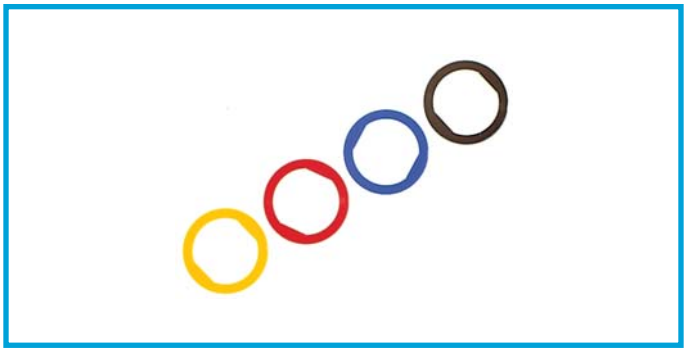
Reference		Dimensions (mm)				Availability
		Overall protective covering		Cable ø		
Model	Series	A	L	max.	min.	
GMP	0S-0B	14.7	69.5	3.5	1.0	○
GMP	1S-1B	16.0	79.0	6.2	2.5	○
GMP	2S-2B	22.0	102.5	8.2	5.0	○

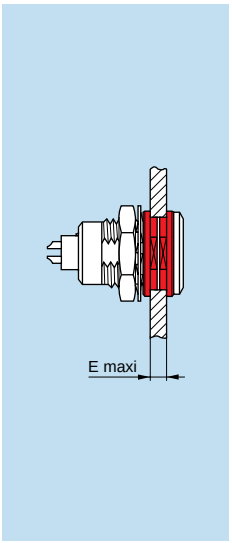
- Material: Elastomere
- Operating temperature: -22° F to +248° F

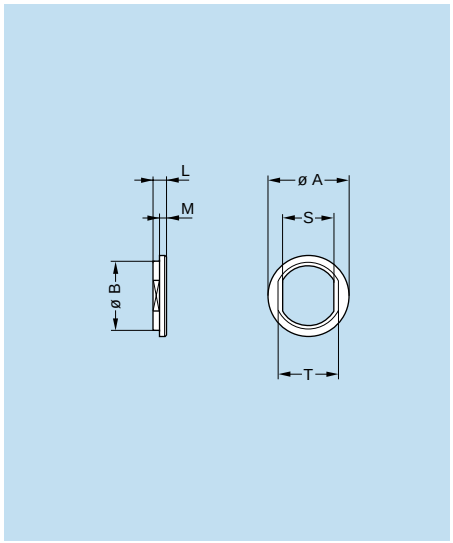




● Standard, typically 0-6 weeks delivery for quantities of 250 or less.
○ Non-standard product, contact LEMO USA, typically 6-12 weeks delivery for quantities of 250 or less.
Non-standard product is defined as any product which contains one or more components which are not standard.







- Material: Polyamide
- Maximum operating temperature: 194° F

GRA Insulating washers

Receptacles or plugs mounted on panels can be fitted with insulating washers. The nine colors available combined with those for the overall protective coverings with bend relief makes color coding possible.

Part number	Series	Dimensions (mm)							Avail-ability
		A	B	E	L	M	S	T	
GRA.00.269.GG	00	10	8.8	4.5	1.8	1.0	6.4	8.0	●
GRA.0S.269.GG	0S-0B	12	10.8	6.0	1.8	1.0	8.3	9.9	●
GRA.1S.269.GG	1S-1B	16	13.8	6.5	1.8	1.0	10.6	12.2	●
GRA.2S.269.GG	2S-2B	21	17.8	7.3	2.2	1.2	13.6	16.2	●
GRA.3S.269.GG	3S-3B	25	21.8	10.3	2.2	1.2	16.6	20.2	●
GRA.4S.269.GG	4S-4B	32	28.8	10.5	2.5	1.5	23.7	27.2	○

Note: Insulating washers for series 5B are available on request.

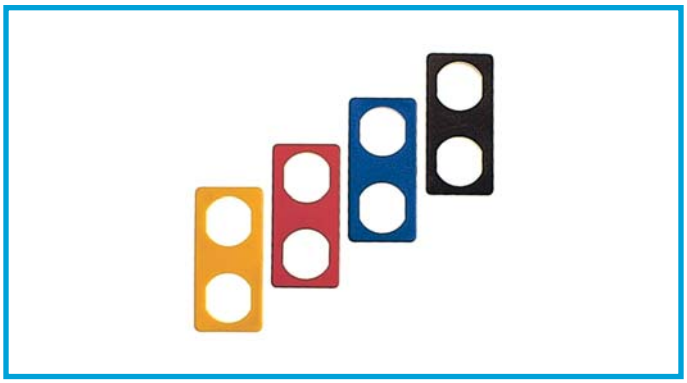
Caution: These insulating washers can be used with fixed and straight receptacles with across flat dimension S1 equivalent to the S dimension of the washer.

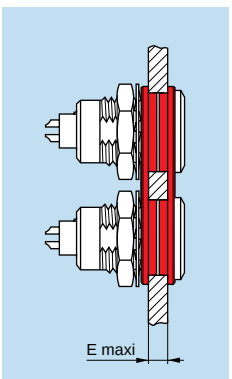
Ref.	Color
A	blue
B	white
G	grey
J	yellow
M	brown

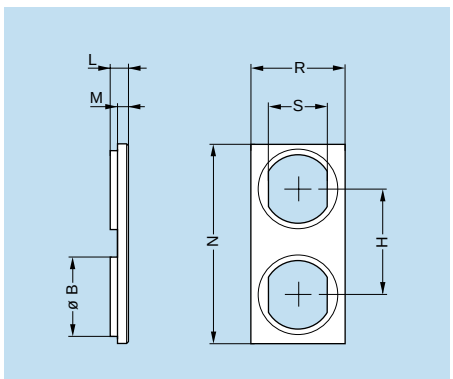
Ref.	Color
N	black
R	red
S	orange
V	green

Note: The last letter «G» of the part number indicates the color grey for the insulating washer. To obtain an insulating washer of another color, refer to the table above and change the letter «G» of the part number to the corresponding letter of the color required.

For the panel cut-out, please consult section«Panel cut-out» on page 150.







- Material: Polyamide
- Maximum operating temperature: 194° F

GRC Double panel washers

Double panel washers have been designed to make the drilling of panel holes easier for mounting fixed and straight receptacles. The combination of the nine different colors of the double panel washers and of the overall protective coverings with bend relief makes color coding possible.

Part number	Series	Dimensions (mm)								Avail-ability
		B	E	H	L	M	N	R	S	
GRC.0S.260.HG	0S-0B	10.9	5	14	2.5	1.5	26.5	12.5	8.3	○
GRC.1B.260.HG	1S-1B	13.9	5	20	3.3	1.8	34.5	14.5	10.6	○

Caution: These double panel washers can be used with fixed or free receptacles with across flat dimension S1 equivalent to the S dimension of the washer.

Ref.	Color
A	blue
B	white
G	grey
J	yellow
M	brown

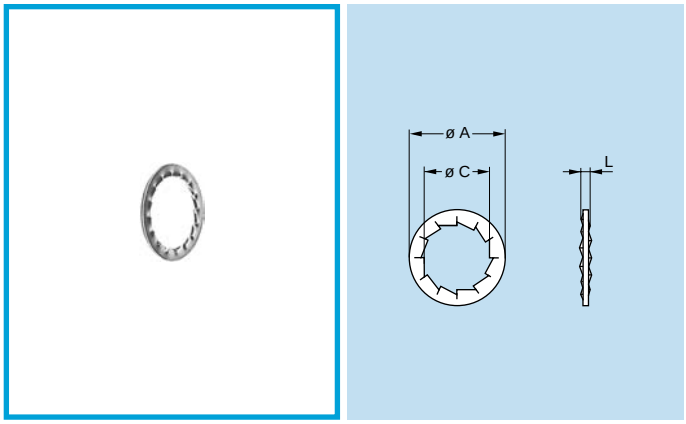
Ref.	Color
N	black
R	red
S	orange
V	green

Note: The last letter «G» of the washer's part number indicates the color grey. For other colors, refer to the above table and replace letter «G» by the one corresponding to the color required.

For the panel cut-out, please consult chapter «Panel cut-out» on page 150.

Data Subject to Change

● Standard, typically 0-6 weeks delivery for quantities of 250 or less.
○ Non-standard product, contact LEMO USA, typically 6-12 weeks delivery for quantities of 250 or less.
Non-standard product is defined as any product which contains one or more components which are not standard.

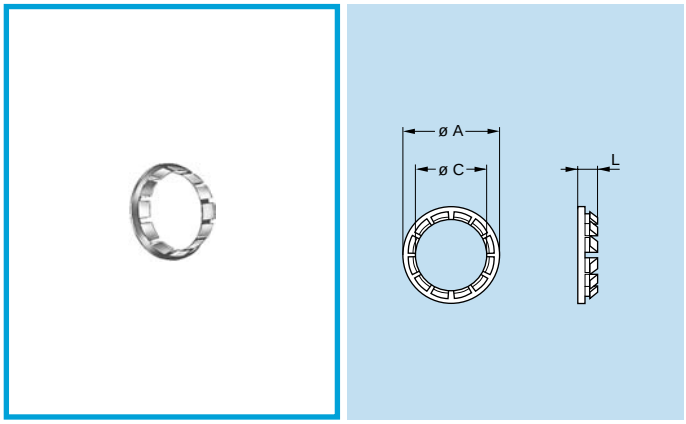


GBA Locking washers

Part number	Series	Dimensions (mm)			Availability
		A	C	L	
GBA.00.250.FN	00	9.5	7.1	1.0	●
GBA.0S.250.FN	0S-0B	12.5	9.1	1.0	●
GBA.1S.250.FN	1S-1B	16.0	12.1	1.0	●
GBA.2S.250.FN	2S-2B 2C-2G	19.5	15.1	1.2	●
GBA.3S.250.FN	3S-3B	25.0	18.1	1.4	●
GBA.4S.250.FN	4S-4B	32.0	25.1	1.4	○

● Material: Nickel-plated bronze (3 µm)

Note: To order this accessory separately, use the above part numbers.

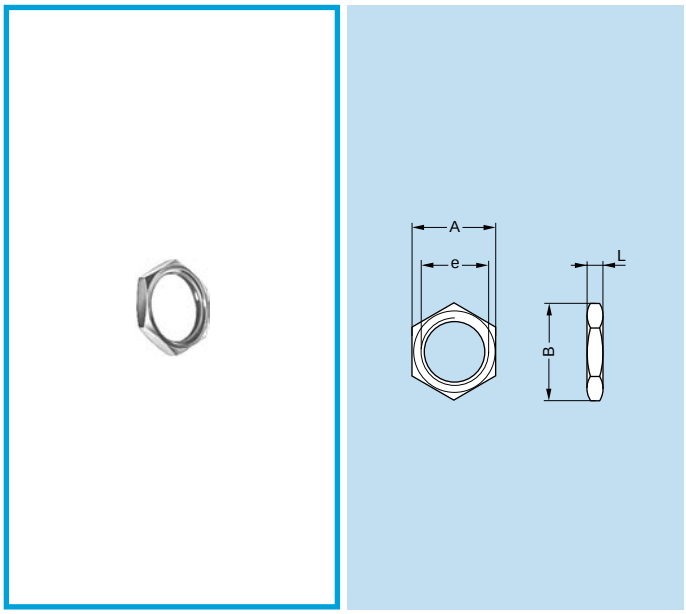


GBB Tapered washers

Part number	Series	Dimensions (mm)			Availability
		A	C	L	
GBB.00.250.LN	00	9	7.1	2.0	○
GBB.0S.250.LN	0S-0B	11	9.1	2.5	○
GBB.1S.250.LN	1S-1B	15	12.1	3.5	○
GBB.2S.250.LN	2S-2B 2C-2G	18	15.1	4.0	○
GBB.3S.250.LN	3S-3B	22	18.1	4.5	○
GBB.4S.250.LN	4S-4B	28	25.2	5.0	○
GBB.5S.250.LN	5S-5B	40	35.2	7.5	○

● Material: Nickel-plated brass (3 µm)

Note: Receptacles of series 5B and 5S are always supplied with a tapered washer. To order this accessory separately, use the above part numbers.



GEA Hexagonal nuts

Part number	Series	Dimensions (mm)				Availa-bility
		A	B	e	L	
GEA.00.240.LN	00	9	10.2	M7 x 0.50	2.0	●
GEA.0S.240.LN	0S-0B	11	12.4	M 9 x 0.60	2.0	●
GEA.0S.241.LN	0S-0B	12	13.8	M10 x 0.75	2.5	●
GEA.0E.240.LN	1S-1B	17	19.2	M14 x 1.00	2.5	●
GEA.1S.240.LN	1S-1B	14	15.8	M12 x 1.00	2.5	●
GEA.1E.240.LN	2S-2B	19	21.5	M16 x 1.00	3.0	●
GEA.2S.240.LN	2S-2B	17	19.2	M15 x 1.00	2.7	●
GEA.3S.240.LN	3S-3B	22	25.0	M18 x 1.00	3.0	●
GEA.4S.240.LN	4S-4B	30	34.0	M25 x 1.00	5.0	○

● Material:
– Nickel-plated brass (3 µm)
– Natural anodized aluminium alloy
– Stainless steel

Note: To order this part separately, use the above part numbers. The last letters «LN» of the part number refer to the nut material and treatment. If a nut in aluminium alloy or stainless steel is desired, replace the last letters of the part number by «PT» or «AZ» respectively.

● Standard, typically 0-6 weeks delivery for quantities of 250 or less.
○ Non-standard product, contact LEMO USA, typically 6-12 weeks delivery for quantities of 250 or less.
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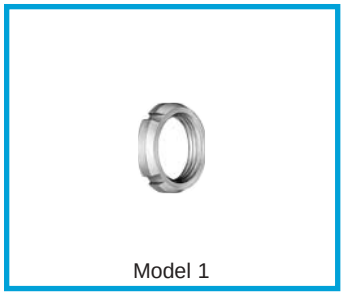
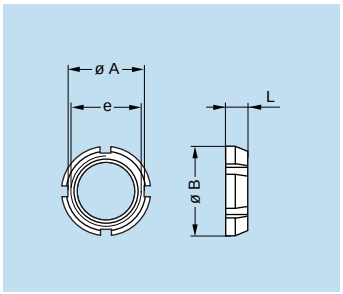
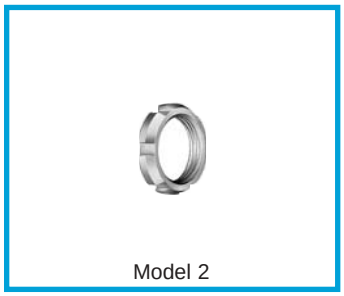
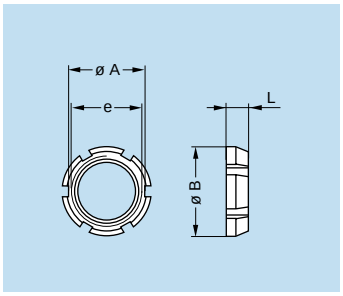






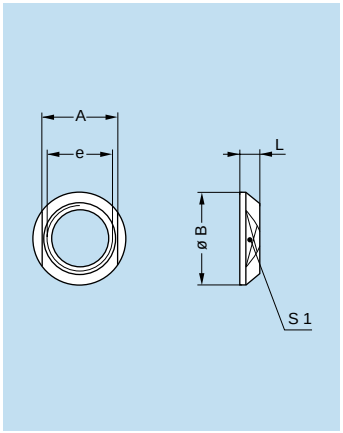


GEG Notched nut

Part number	Model	Dimensions (mm)				Avail-ability
		A	B	e	L	
GEG.00 240.LC	1	8.7	10	M7 x 0.5	2.5	○
GEG.0S.240.LC	1	10.5	12	M9 x 0.6	2.5	●
GEG.1S.240.LC	1	14.0	16	M12 x 1.0	3.5	●
GEG.1S.242.LC	1	12.1	14	M11 x 0.5	3.5	○
GEG.2S.240.LC	2	17.5	20	M15 x 1.0	3.5	●
GEG.2S.241.LC	2	20.5	24	M19 x 1.0	3.5	○

● Material: Chrome-plated brass (Ni 3 µm + Cr 0.3 µm)

Note: 00, 0B, 0S, 1B, 1S, 2B and 2S series fixed and free receptacles for back panel mounting are always delivered with this notched nut. To order this accessory separately, use the above part numbers.

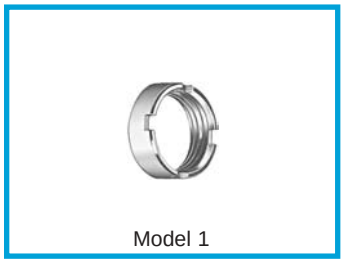


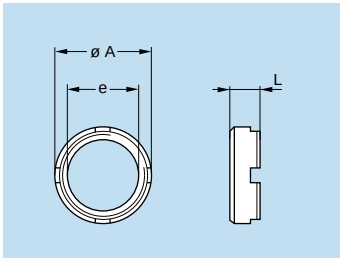
GEC Conical nuts

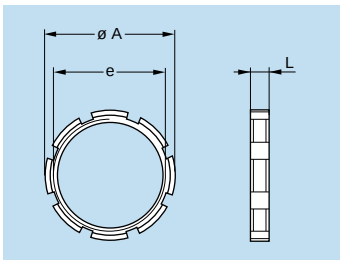
Part number	Dimensions (mm)					Avai-lability
	A	B	e	L	S1	
GEC.00 240.LC	8	10.0	M7 x 0.5	2.5	8	○
GEC.0S.240.LC	10	12.0	M9 x 0.6	2.5	10	○
GEC.1S.240.LC	13	16.0	M12 x 1.0	3.2	13	○
GEC.1S.241.LC	17	20.0	M16 x 1.0	4.0	17	○
GEC.1S.242.LC	12	14.0	M11 x 0.5	3.2	12	○
GEC.2S.240.LC	17	20.0	M15 x 1.0	3.8	17	○
GEC.2S.241.LC	20	24.0	M19 x 1.0	5.8	20	○
GEC.3S.240.LC	20	24.0	M18 x 1.0	4.5	20	○
GEC.4S.240.LC	27	30.0	M25 x 1.0	4.5	27	○
GEC.5S.240.LC	37	41.0	M35 x 1.0	5.0	37	○

● Material: Chrome-plated brass (Ni 3 µm + Cr 0.3 µm)

Note: 3B, 3S, 4B, 4S, 5B, 5S, and 6S series fixed and free receptacles for back panel mounting are always delivered with a conical nut. To order this accessory separately, use the part numbers in the adjacent table.







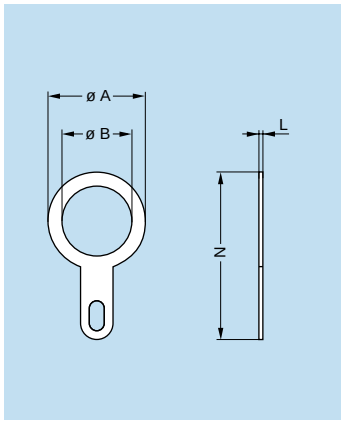
GEB Round nuts

Part number	Model	Dimensions (mm)			Availability
		A	e	L	
GEB.00.240.LN	1	9.0	M7 x 0.50	4.0	●
GEB.0S.240.LN	1	11.0	M9 x 0.60	4.0	●
GEB.0E.240.LN	1	18.0	M14 x 1.00	5.0	○
GEB.1S.240.LN	1	14.0	M12 x 1.00	5.0	●
GEB.1E.240.LN	1	20.0	M16 x 1.00	5.0	○
GEB.2S.240.LN	1	18.0	M15 x 1.00	5.5	○
GEB.2B.240.LN	2	17.5	M15 x 0.75	2.5	○
GEB.3S.240.LN	1	22.0	M18 x 1.00	5.5	○
GEB.4S.240.LN	1	28.0	M25 x 1.00	6.0	○
GEB.5S.240.LN	2	40.0	M35 x 1.00	8.0	○
GEB.5E.240.LN	2	54.0	M45 x 1.50	8.0	○
GEB.6S.241.LN	2	54.0	M48 x 1.50	8.0	○
GEB.6E.240.LN	2	65.0	M55 x 2.00	9.0	○

● Material: Nickel-plated brass (3 µm)

Note: 5B, 5S, and 6S series receptacles are always supplied with model 2 round nuts. To order this accessory separately, use the part numbers in the above table.

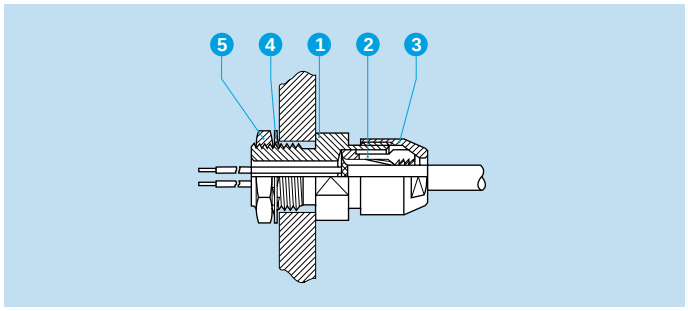
● Standard, typically 0-6 weeks delivery for quantities of 250 or less.
○ Non-standard product, contact LEMO USA, typically 6-12 weeks delivery for quantities of 250 or less.
Non-standard product is defined as any product which contains one or more components which are not standard.

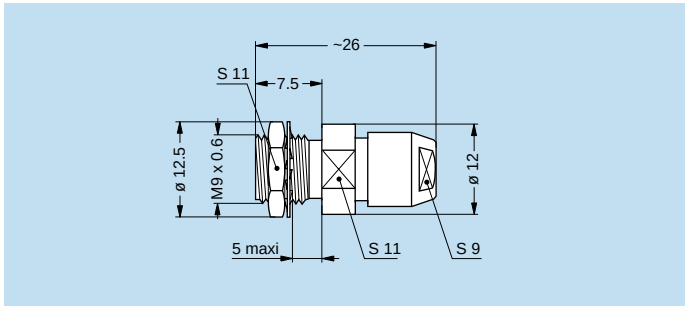


GCA Grounding lug

Part number	Series	Dimensions (mm)				Availability
		A	B	L	N	
GCA.00.255.LT	00	9.5	7.1	0.4	18.2	●
GCA.0S.255.LT	0S-0B	13.0	9.1	0.4	22.0	●
GCA.1S.255.LT	1S-1B	17	12.2	0.5	27.5	●
GCA.2S.255.LT	2S-2B	20	15.2	0.5	32.0	●
GCA.3S.255.LT	3S-3B	25	18.2	0.5	39.0	●
GCA.4S.255.LT	4S-4B	35	25.6	0.6	50.0	○
GCA.5S.255.LT	5S-5B	42	35.1	0.7	57.5	○

● Material: CuSnZn plated brass (2 µm)





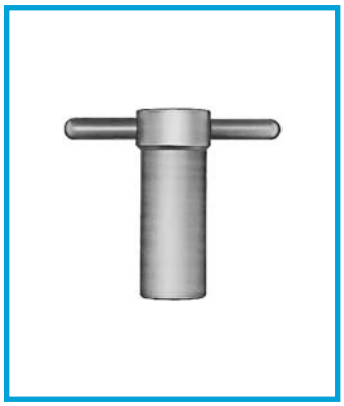
GSC Lead-through with cable collet

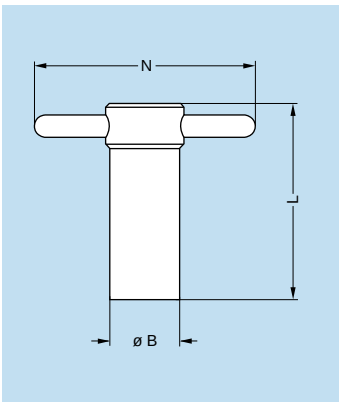
Part number	Cable ø (mm)		Availability
	max.	min.	
GSC.1S.290.ND42	4.0	3.1	○
GSC.1S.290.ND52	5.0	4.1	○
GSC.1S.290.ND62	6.0	5.1	○
GSC.1S.290.ND72	7.0	6.1	○
GSC.1S.290.ND76	7.5	7.1	○

Note:
The cable collet system stands for both screened and unscreened cables. It can be delivered with a nut for fitting a bend relief if you add a «Z» at the end of the part number.

● Standard, typically 0-6 weeks delivery for quantities of 250 or less.
○ Non-standard product, contact LEMO USA, typically 6-12 weeks delivery for quantities of 250 or less.
Non-standard product is defined as any product which contains one or more components which are not standard.

Tooling

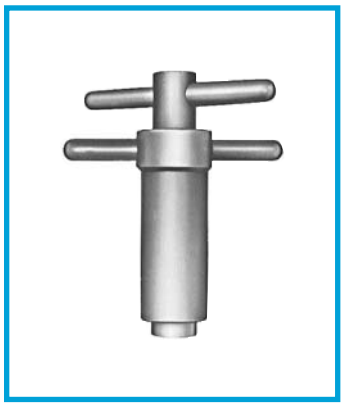


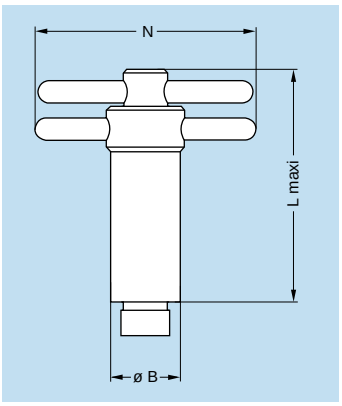


DCG Wrench for hexagonal nuts

Part number	Dimensions (mm)			Part number of the nut
	B	L	N	
DCG.91.149.0TN	14	40	50	GEA.00.240.LN
DCG.91.161.1TN	16	45	52	GEA.0S.240.LN
DCG.91.201.4TN	20	52	65	GEA.1S.240.LN
DCG.91.231.7TN	23	62	68	GEA.2S.240.LN
DCG.91.282.2TN	28	76	73	GEA.3S.240.LN

- Material: blackened steel

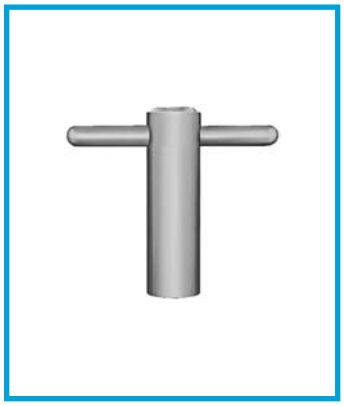


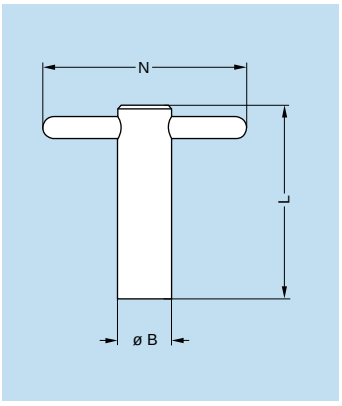


DCA Wrench for hexagonal nuts, with alignment of the receptacles by the flats

Part number	Dimensions (mm)			Part number of the nut
	B	L	N	
DCA.91.149.0TN	14	65	50	GEA.00.240.LN
DCA.91.161.1TN	16	73	52	GEA.0S.240.LN
DCA.91.201.4TN	20	85	65	GEA.1S.240.LN
DCA.91.231.7TN	23	100	68	GEA.2S.240.LN
DCA.91.282.2TN	28	120	73	GEA.3S.240.LN

- Material: blackened steel

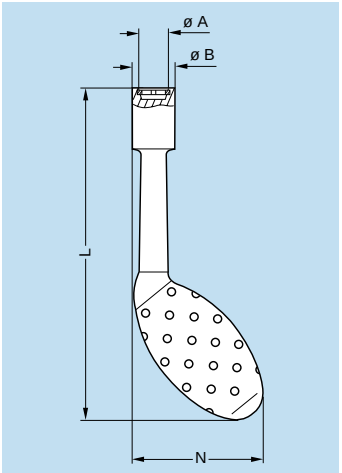




DCB Spanner type wrench for model 1 round nuts

Part number	Dimensions (mm)			Part number of the nut
	B	L	N	
DCB.91.119.0TN	11	40	50	GEB.00.240.LN
DCB.91.131.1TN	13	45	50	GEB.0S.240.LN
DCB.91.161.4TN	16	52	65	GEB.1S.240.LN
DCB.91.201.8TN	20	62	65	GEB.2S.240.LN
DCB.91.242.2TN	24	76	70	GEB.3S.240.LN

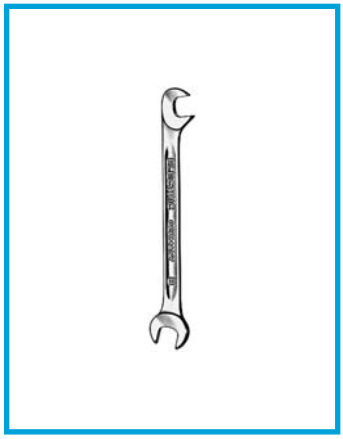
- Material: blackened steel

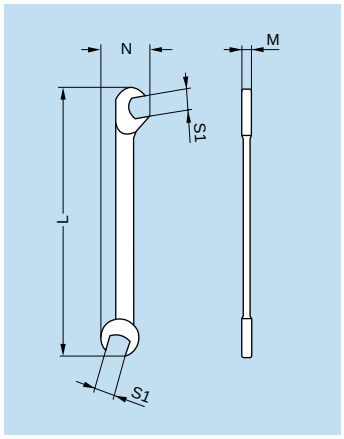


DCH Wrench for conical nut

Part number	Dimensions (mm)				Part number of the nut
	A	B	L	N	
DCH.91.101.PA	10.1	12.8	124	48.3	GEC.00.240.LC
DCH.91.121.PA	12.1	14.8	124	49.3	GEC.0S.240.LC
DCH.91.161.PA	16.1	21.0	124	51.9	GEC.1S.240.LC
DCH.91.201.PA	20.1	22.8	129	53.5	GEC.2S.240.LC

- Material: Dark grey polyurethane

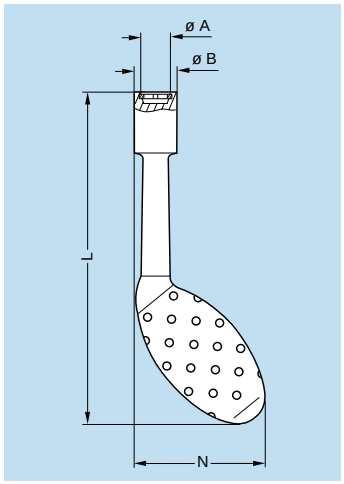




DCP Flat wrench for collet nut

Part number	Dimensions (mm)			
	L	M	N	S1
DCP.99.045.TC	70	2	10.5	4.5
DCP.99.050.TC	78	2	12.6	5.0
DCP.99.055.TC	78	2	12.6	5.5
DCP.99.060.TC	78	2	12.6	6.0

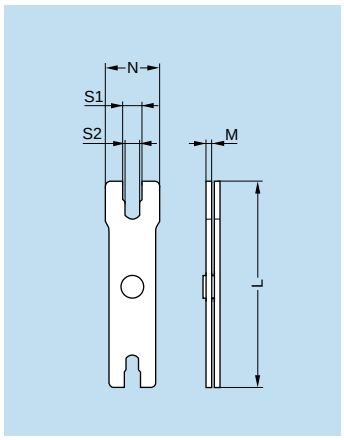
- Material: chrome-plated steel



DCH Wrench for notched nuts

Part number	Dimensions (mm)				Part number of the nut
	A	B	L	N	
DCH.91.101.PA	10.1	12.8	124	48.3	GEG.00.240.LC
DCH.91.121.PA	12.1	14.8	124	49.3	GEG.0S.240.LC
DCH.91.181.PA	18.1	22.8	129	53.1	GEG.0E.240.LC
DCH.91.161.PA	16.1	21.0	124	51.2	GEG.1S.240.LC
DCH.91.201.PA	20.1	22.8	129	53.5	GEG.1E.240.LC
DCH.91.141.PA	14.1	18.6	124	51.2	GEG.1S.242.LC
DCH.91.201.PA	20.1	22.8	129	53.5	GEG.2S.240.LC
DCH.91.241.PA	24.1	30.8	134	52.6	GEG.2S.241.LC
DCH.91.251.PA	25.1	32.8	134	55.5	GEG.2E.240.LC

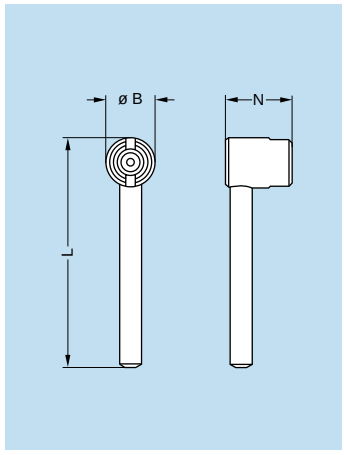
- Material: Blue polyurethane



DCP Wrench for tightening backnut

Part number	Series	Dimensions (mm)				
		L	M	N	S1	S2
DCP.91.001.TN	0B	95	2.5	21	8.1	7.1
	1B	95	2.5	25	10.1	9.1
DCP.91.023.TN	2B	115	3.0	30	13.1	12.1
	3B	115	3.0	35	15.1	14.1
DCP.91.045.TN	4B	130	3.5	40	21.2	20.2
	5B	130	3.5	45	31.2	30.2

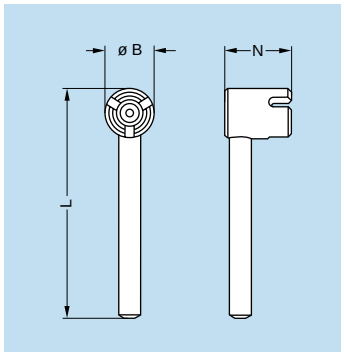
- Material: blackened steel



DCL Wrench whish secures straight plug with two latching tabs while tightening collet nut

Part number	Series	Dimensions (mm)		
		B	L	N
DCL.91.105.0TK	00	10	45	13.5
DCL.91.127.0TK	0S	12	47	17.0
DCL.91.149.0TK	1S	14	52	19.0

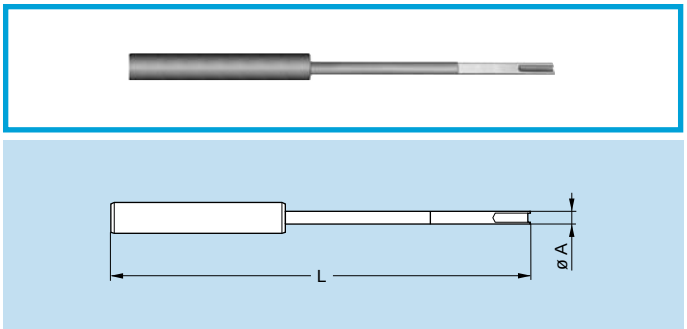
- Material: blackened steel



DCN Wrench which secures straight plug with three latching tabs while tightening collet nut

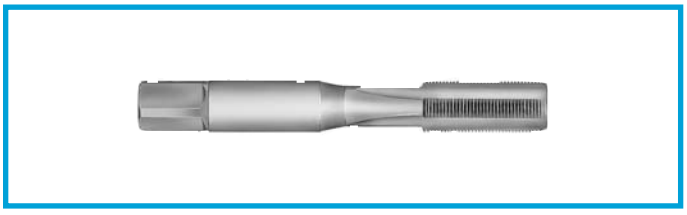
Part number	Series	Dimensions (mm)		
		B	L	N
DCN.91.905.0TK	00	9	42	12
DCN.91.125.0TK	0S	12	47	17
DCN.91.149.0TK	1S	14	53	19
DCN.91.171.2TK	2S-2C	17	63	20
DCN.91.201.5TK	3S	20	74	22

- Material: blackened steel



DCL Assembly tool for FVB.00.303.NLA plugs

Part number	Series	Dim. (mm)	
		A	L
DCL.91.516.5TK	00	5	165



DTA Taps

Part number	Series	Thread
DTA.99.700.5Z	00	M7 x 0.5
DTA.99.900.6Z	0S-0B	M9 x 0.6

Crimp Tooling for Crimp contacts

Fig. 1

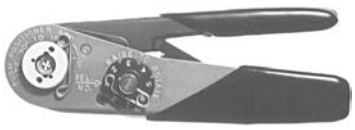


Fig. 2

Manual crimping tools

Supplier	Part number		
	contact ø 0.5-0.7 0.9-1.3 (Fig. 1)	contact ø 1.6-2.0 (Fig. 2)	contact ø 3.0-4.0 (Fig. 2)
LEMO	DPC.91.701.V[1)]	DPC.91.101.A[2)]	DPC.91.102.V
DANIELS	MH860[1)]	AF8[2)]	M300BT
BALMAR	23-000	55-000	55-000
BUCHANAN	616336[1)]	615708[2)]	615708

[1)] According to specification MIL-C-22520/7-01.
[2)] According to specification MIL-C-22520/1-01.

Pneumatic crimping tools

Supplier	Part number
LEMO	DPC.91.701.C
BALMAR	85230
BUCHANAN	621101

According to specification MIL-C-22520/7-01.
For LEMO contacts ø 0.5-0.7-0.9-1.3 mm

male

female

These positioners are suitable for use with both manual and pneumatic crimping tools according to the MIL-C-22520/7-01 standard.

Fig. 1

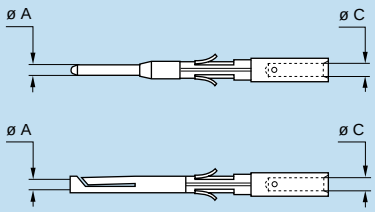
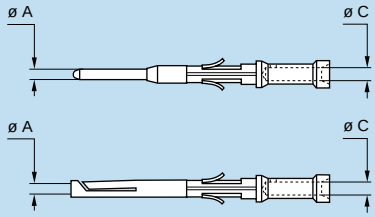


Fig. 2

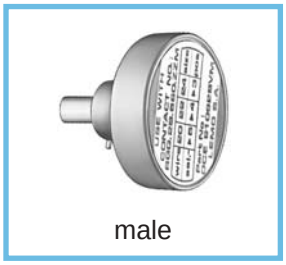


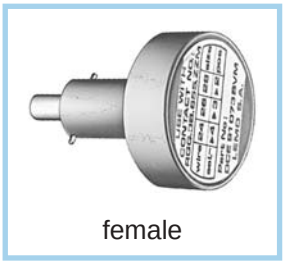
Note: A wide variation of strand number and diameter combinations are quoted as being AWG, some of which do not have a large enough cross section to guarantee a crimp as per either MIL-C-22520/1-01 or /7-01. Our technical department is at your disposal to study and propose a solution to all your applications.

DCE Positioners for crimp contacts ø 0.5-0.7-0.9 and 1.3 mm

	Connector + Contact					Positioners part number	
	Type	ø A	ø C	Fig.	Conductor AWG	For male contact	For female contact
00	302 303 304	0.5	0.45	1	28-30-32	DCE.91.050.0VC	DCE.91.050.0VM
0B 0S	302[1)] 303	0.9	1.10	1	20-22-24	DCE.91.090.BVC	DCE.91.090.BVM
		0.9	0.80	2	22-24-26		
		0.9	0.45	2	28-30-32	DCE.91.090.AVC	DCE.91.090.AVM
	304/305	0.7	0.80	1	22-24-26	DCE.91.070.BVC	DCE.91.070.BVM
		0.7	0.45	2	28-30-32		
	306/307 309	0.5	0.45	1	28-30-32	DCE.91.050.BVC	DCE.91.050.BVM
1B 1S	302[1)] 303	1.3	1.40	1	18-20	DCE.91.131.BVC	DCE.91.131.BVM
		1.3	1.10	2	20-22-24		
	304[1)] 305	0.9	1.10	1	20-22-24	DCE.91.091.BVC	DCE.91.091.BVM
		0.9	0.80	2	22-24-26		
	306/307 308	0.7	0.80	1	22-24-26	DCE.91.071.BVC	DCE.91.071.BVM
		0.7	0.45	2	28-30-32		
	310/314 316	0.5	0.45	1	28-30-32	DCE.91.051.BVC	DCE.91.051.BVM
2B 2S	304/305 306[1)] 307	1.3	1.40	1	18-20	DCE.91.132.BVC	DCE.91.132.BVM
		1.3	1.10	2	20-22-24		
		1.3	0.80	2	22-24-26	DCE.91.132.CVC	DCE.91.132.CVM
	308/310	0.9	1.10	1	20-22-24	DCE.91.092.BVC	DCE.91.092.BVM
		0.9	0.80	2	22-24-26		
		0.9	0.45	2	28-30-32	DCE.91.092.AVC	DCE.91.092.AVM
	312/314 316/318 319	0.7	0.80	1	22-24-26	DCE.91.072.BVC	DCE.91.072.BVM
		0.7	0.45	2	28-30-32		
	326/332	0.5	0.45	1	28-30-32	DCE.91.052.BVC	DCE.91.052.BVM

Note: [1)] Only these types are available in S series.

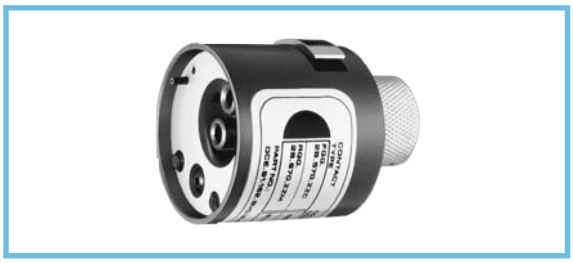

male


female

These positioners are suitable for use with both manual and pneumatic crimping tools according to the MIL-C-22520/7-01 standard.

DCE Positioners for crimp contacts 0.5-0.7-0.9 and 1.3 mm diameter

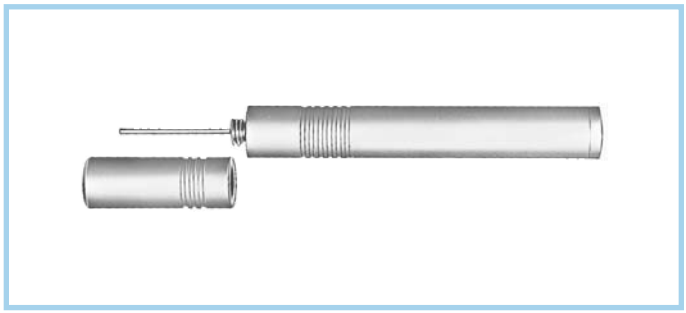
	Connector + Contact					Positioners part number	
	Type	ø A	ø C	Fig.	Conductor AWG	For male contact	For female contact
3B	308/309 310	1.3	1.40	1	18-20	DCE.91.133.BVC	DCE.91.133.BVM
		1.3	1.10	2	20-22-24		
	312/314 316/318	0.9	1.10	1	20-22-24	DCE.91.093.BVC	DCE.91.093.BVM
		0.9	0.80	2	22-24-26		
	320/322 324/326 328/330	0.7	0.80	1	22-24-26	DCE.91.073.BVC	DCE.91.073.BVM
		0.7	0.45	2	28-30-32		
4B	312	1.3	1.40	1	18-20	DCE.91.134.BVC	DCE.91.134.BVM
		1.3	1.10	2	20-22-24		
	316/320 324/330	0.9	1.10	1	20-22-24	DCE.91.094.BVC	DCE.91.094.BVM
		0.9	0.80	2	22-24-26		
	340	0.7	0.80	1	22-24-26	DCE.91.074.BVC	DCE.91.074.BVM
		0.7	0.45	2	28-30-32		
5B	330/340 348	1.3	1.40	1	18-20	DCE.91.135.BVC	DCE.91.135.BVM
		1.3	1.10	2	20-22-24		
	350/354 364	0.9	1.10	1	20-22-24	DCE.91.095.BVC	DCE.91.095.BVM
		0.9	0.80	2	22-24-26		

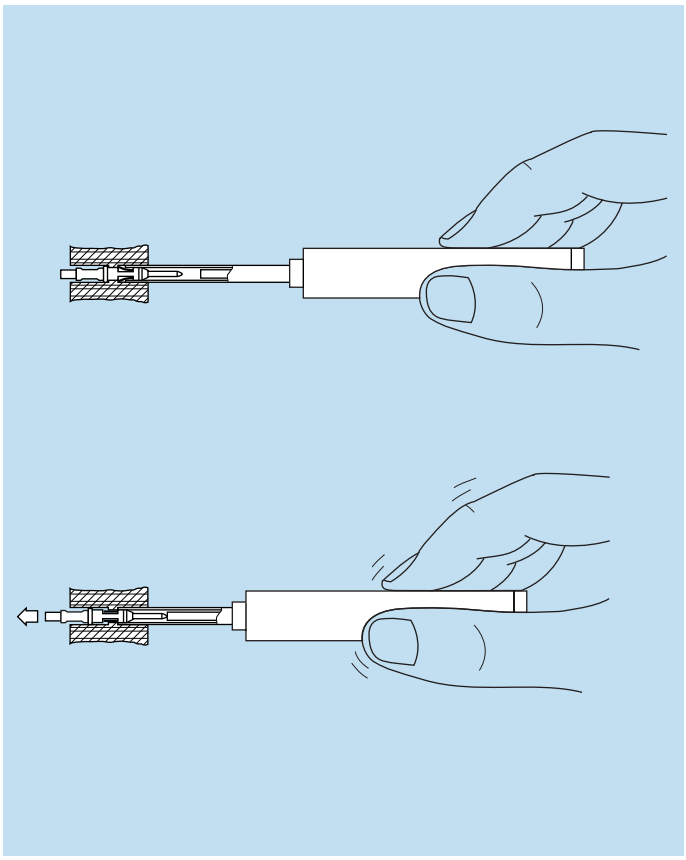


Note: These turrets can be used with manual crimping tool according to MIL-C-22520/1-01 standard.

DCE Turret for crimp contacts 1.6-2.0-3.0 and 4.0 mm diameter

	Connector + Contact					Positioners
	Type	ø A	ø C	Fig.	Conductor AWG	Part number
2B	302	2.0	2.4	1	12-14-16	DCE.91.202.BVCM
		2.0	1.9	2	14-16-18	
	303	1.6	1.9	1	14-16-18	DCE.91.162.BVCM
		1.6	1.4	2	18-20-22	
3B	302	3.0	2.9	1	10-12-14	DCE.91.303.BVCM
	303/304 309	2.0	2.4	1	12-14-16	DCE.91.203.BVCM
		2.0	1.9	2	14-16-18	
	305/306 307	1.6	1.9	1	14-16-18	DCE.91.163.BVCM
		1.6	1.4	2	18-20-22	
4B	304	3.0	2.9	1	10-12-14	DCE.91.304.BVCM
	306/307	2.0	2.4	1	12-14-16	DCE.91.204.BVCM
		2.0	1.9	2	14-16-18	
	310	1.6	1.9	1	14-16-18	DCE.91.164.BVCM
		1.6	1.4	2	18-20-22	
5B	304	4.0	4.0	1	8-10-12	DCE.91.405.BVCM
	310	3.0	2.9	1	10-12-14	DCE.91.305.BVCM
	314/316	2.0	2.4	1	12-14-16	DCE.91.205.BVCM
		2.0	1.9	2	14-16-18	
	320	1.6	1.9	1	14-16-18	DCE.91.165.BVCM
		1.6	1.4	2	18-20-22	

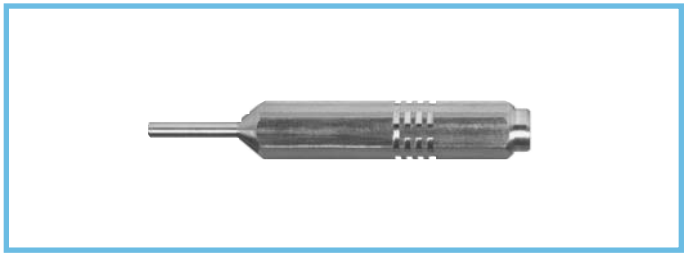


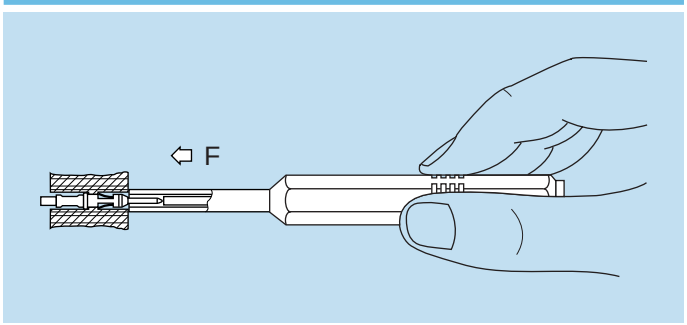


Note: This model is used for male and female contacts.

DCF Extraction tools for crimp contacts

	Connector		Extractors
	Type	Contact ø A	Part number
00	302/303/304	0.5	DCF.91.050.2LT
0B	302/303	0.9	DCF.91.090.2LT
	304/305	0.7	DCF.91.070.2LT
	306/307/309	0.5	DCF.91.050.2LT
1B	302/303	1.3	DCF.91.131.2LT
	304/305	0.9	DCF.91.090.2LT
	306/307/308	0.7	DCF.91.070.2LT
	310/314/316	0.5	DCF.91.050.2LT
2B	302	2.0	DCF.91.202.2LT
	303	1.6	DCF.91.162.2LT
	304/305/306/307	1.3	DCF.91.131.2LT
	308/310	0.9	DCF.91.090.2LT
	312/314/316/318/319	0.7	DCF.91.070.2LT
	326/332	0.5	DCF.91.050.2LT
3B	302	3.0	DCF.91.303.5LT
	303/304/309	2.0	DCF.91.203.5LT
	305/306/307	1.6	DCF.91.163.5LT
	308/309/310	1.3	DCF.91.133.5LT
	312/314/316/318	0.9	DCF.91.093.5LT
	320/322/324/326/330	0.7	DCF.91.073.5LT
4B	304	3.0	DCF.91.303.5LT
	306/307	2.0	DCF.91.203.5LT
	310	1.6	DCF.91.163.5LT
	312	1.3	DCF.91.133.5LT
	316/320/324/330	0.9	DCF.91.093.5LT
	340	0.7	DCF.91.073.5LT
5B	304	4.0	DCF.91.405.5LT
	310	3.0	DCF.91.303.5LT
	314/316	2.0	DCF.91.203.5LT
	320	1.6	DCF.91.163.5LT
	330/340/348	1.3	DCF.91.133.5LT
	350/354/364	0.9	DCF.91.093.5LT

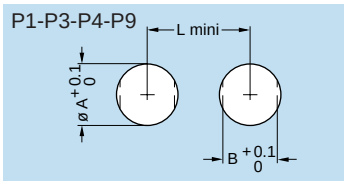


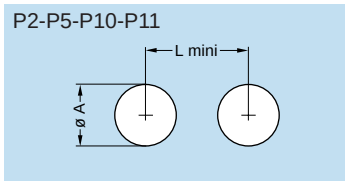


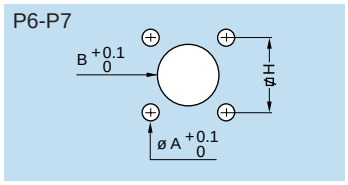
DCK Retention testing tools for crimp contacts 0.5-0.7-0.9 and 1.3 mm diameter

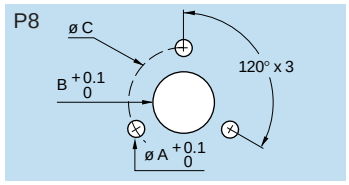
Contact ø A	Test force (N)	Testing tool part number	
		For male contact	For female contact
0.5	8	DCK.91.050.8LRC	DCK.91.050.8LRM
0.7	14	DCK.91.071.4LRC	DCK.91.071.4LRM
0.9	14	DCK.91.091.4LRC	DCK.91.091.4LRM
1.3	25	DCK.91.132.5LRC	DCK.91.132.5LRM

Panel Cut-Outs









B series

Series	P1			P2		P3			P4			P5		P6			P8			P9			P10	
	ø A	B	L	ø A	L	ø A	B	L	ø A	B	L	ø A[2)]	L	ø A	B	H	ø A	B	C	ø A	B	L	ø A	L
00	7.1	6.4	12.5	7.1	11.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	7.1	–	12	–	–
0B	9.1	8.3	14.5	9.1	13.5	14.1	12.6	20.1	10.1	9.1	15.0	8.30	10.5	–	–	–	–	–	–	9.1	8.3	15	–	–
1B	12.1	10.6	18.5	–	–	16.1	14.6	22	14.1	12.6	21.0	11.17	14.0	–	–	–	–	–	–	12.1	10.6	19	11.1	17
2B	15.1	13.6	22.5	–	–	19.2	17.1	28	16.1	15.1	23.0	13.95	18.0	–	–	–	–	–	–	15.1	13.6	23	–	–
3B	18.2	16.6	27.0	–	–	–	–	–	20.2	18.6	29.5	–	–	–	–	–	–	–	–	18.2	16.6	27	–	–
4B	25.2	23.6	36.0	–	–	–	–	–	25.2	23.6	36.1	–	–	–	–	–	–	–	–	25.2	23.6	36	–	–
5B	35.2[1)]	33.6	44.0	–	–	–	–	–	35.2	33.6	47.1	–	–	3.3	35.2	34	2.8	35.2	47	35.2	33.6	47	–	–

Note:
[1)] For using the tapered washer a round hole ø 36 mm apply. [2)] tolerance: $^{+\ 0.02}_{\ 0}$

Cut-out types

Model	Type
EBG	P6
ECG	P1
EEG	P1
EGG	P1
EFG	P2
EHG	P1
EJG	P5

Model	Type
EKG	P1
EMG	P1
ENG	P1
ENY	P1
ESG	P1/P2
EXG	P2/P10
EYG	P1/P10

Model	Type
FAG	P1
FBG	P8
FWG	P9
HCG	P3
HEG	P9
HGG	P9
HHG	P9

Model	Type
HMG	P9
HNG	P9
PEG	P1
PFG	P1
PKG	P1
R●●	P4
S●●	P4/P9[3)]

Model	Type
XBG	P2
XPF	P2
XRB	P2
YHG	P9

Note: [3)] In series 1B use P9.

Mounting nut torque

Series	Torque (Nm)	
	Metal shell	Plastic shell[4)]
00	1.0	0.4
0B	2.5	0.4
1B	4.5	0.7
2B	6.0	0.8
3B	9.0	1.0
4B	12.0	5.0
5B	17.0	–

Note: [4)] These values apply when metal shell are mounted with insulating washer.

S series

Series	P1			P2		P3			P4			P5		P6			P7			P10		P11	
	ø A	B	L	ø A	L	ø A	B	L	ø A	B	L	ø A[2)]	L	ø A	B	H	ø A	B	H	ø A	L	ø A	L
00	7.1	6.4	12.5	7.1	11.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
0S	9.1	8.3	14.5	9.1	13.5	12.1	10.6	20.0	10.1	9.1	15	–	–	–	–	–	–	–	–	–	–	9.1	16
1S	12.1	10.6	18.5	12.1	19.0	14.1	12.6	21.0	12.1	10.6	18	11.92	15.5	3.3	12.1	12.7	2.7	11.1	12.4	11.1	17	12.1	19
2S	15.1	13.6	22.5	15.1	21.5	16.1	14.6	22.0	16.1	15.1	23	–	–	3.3	15.1	15.5	–	–	–	–	–	–	–
3S	18.2	16.6	27.0	18.2	27.0	20.2	18.6	30.0	20.2	18.6	29	–	–	3.3	18.2	18.0	–	–	–	–	–	–	–
4S	25.2	23.6	36.0	25.2	34.0	25.2	23.6	36.0	25.2	23.6	36	–	–	–	–	–	–	–	–	–	–	–	–
5S	35.2[1)]	33.6	44.0	35.2	44.0	35.2	33.6	47.0	35.2	33.6	47	–	–	4.4	35.2	36.8	–	–	–	–	–	–	–
6S	48.3	45.6	58.0	48.3	58.0	48.3	45.6	60.0	48.3	45.6	60	–	–	–	–	–	–	–	–	–	–	–	–

Note:
[1)] For using the tapered washer a round hole ø 36 mm apply. [2)] tolerance: $^{+\ 0.02}_{\ 0}$

Cut-out types

Model	Type
EBC	P6
EBD	P6
EBS	P7
ECP	P1
EEP	P1
EHP	P2/P1

Model	Type
EMD	P1
ERA	P1
ERC	P1
ERD	P1
ERM	P1
ERN	P1

Model	Type
ERS	P2
ERT	P5
ERY	P1
ERZ	P1
EXP	P2/P10
EWB	P3

Model	Type
FAA	P1/P2[3)]
HCP	P3[4)]
HGP	P3
HGW	P11
PSA	P1
PSP	P1

Model	Type
PSS	P1
RAD	P1/P2[5)]
SWH	P4

1 N = 0.102 kg

Note: [3)] In series 6S use P2. [4)] Use only ø A in 1S series.
[5)] In series 4S and 5S use P2.

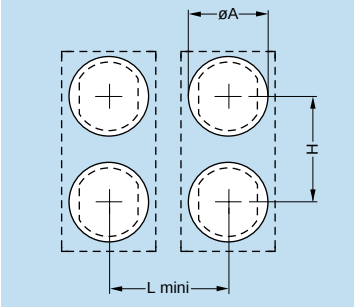
Mounting nut torque

Series	Torque (Nm)	
	Metal shell	Plastic shell[6)]
0S	2.5	0.4
1S	4.5	0.7
2S	6.0	0.8
3S	9.0	1.0
4S	12.0	5.0
5S	17.0	–
6S	22.0	–

Note: [6)] These values apply when metal shell are mounted with insulating washer.

Data Subject to Change

Panel cut-out for mounting with insulating washer or double panel washer (B-S series)



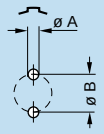
Series	Dimensions (mm)		
	ø A	H	L
0S-0B	11	14	13.5
1S-1B	14	20	17.0

PCB Drilling Patterns

Fixed receptacle with straight printed circuit contact (B series)

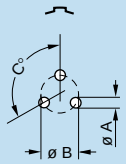
P15

302



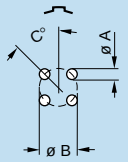
Series	Dimensions	
	A	B
00	0.6	1.2
0B	0.8	2.2
1B	0.8	2.8
2B	0.8	4.4

303



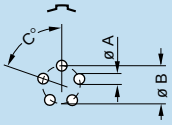
Series	Dimensions		
	A	B	C
00	0.6	1.35	120°
0B	0.8	2.30	120°
1B	0.8	3.00	120°
2B	0.8	4.60	120°
3B	0.8	5.60	120°

304



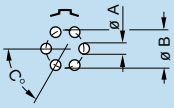
Series	Dimensions		
	A	B	C
00	0.6	1.6	45°
0B	0.6	2.5	45°
1B	0.8	3.1	45°
2B	0.8	5.0	45°
3B	0.8	6.2	45°

305



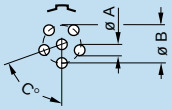
Series	Dimensions		
	A	B	C
0B	0.6	2.8	72°
1B	0.8	3.4	72°
2B	0.8	5.2	72°

306



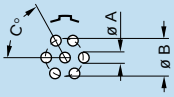
Series	Dimensions		
	A	B	C
0B	0.6	3.0	60°
1B	0.8	3.7	60°

306



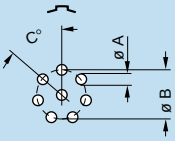
Series	Dimensions		
	A	B	C
2B	0.8	5.6	72°

307



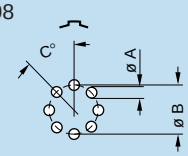
Series	Dimensions		
	A	B	C
0B	0.6	3.0	60°
1B	0.8	3.7	60°
2B	0.8	5.8	60°

308



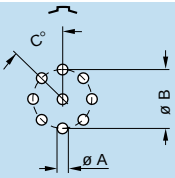
Series	Dimensions		
	A	B	C
1B	0.8	3.8	51°26’

308



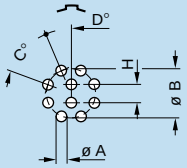
Series	Dimensions		
	A	B	C
2B	0.8	6.4	45°
3B	0.8	7.5	45°

309



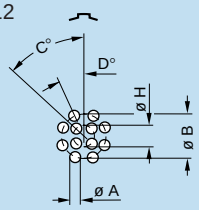
Series	Dimensions		
	A	B	C
3B	0.8	7.5	45°

310



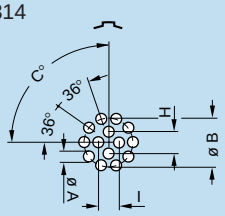
Series	Dimensions				
	A	B	C	D	H
1B	0.6	3.95	45°	22°30'	1.40
2B	0.8	6.20	45°	22°30'	2.15
3B	0.8	7.90	45°	22°30'	2.80

312



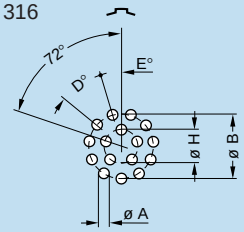
Series	Dimensions				
	A	B	C	D	H
2B	0.8	6.50	45°	22°30'	2.80
3B	0.8	8.20	45°	22°30'	3.40

314



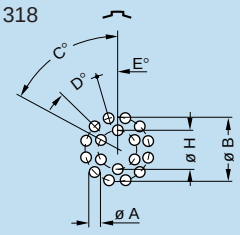
Series	Dimensions				
	A	B	C	H	I
1B	0.6	4.4	90°	1.90	1.80
2B	0.8	6.5	90°	2.65	2.65
3B	0.8	8.2	90°	3.40	3.40

316



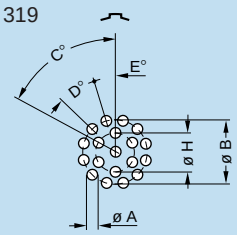
Series	Dimensions				
	A	B	D	E	H
1B	0.6	4.4	32°44'	16°22'	2.00
2B	0.8	6.6	32°44'	16°22'	3.10
3B	0.8	8.4	32°44'	16°22'	3.86
4B	0.6	10.5	32°44'	16°22'	5.00

318



Series	Dimensions					
	A	B	C	D	E	H
2B	0.8	6.7	60°	30°	15°	3.50
3B	0.8	8.4	60°	30°	15°	4.34

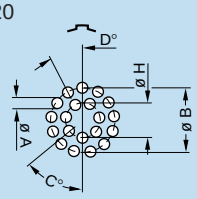
319



Series	Dimensions					
	A	B	C	D	E	H
2B	0.8	6.7	60°	30°	15°	3.5

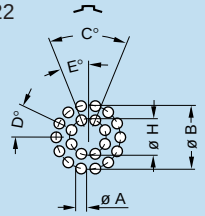
Note: All views are from the side of the receptacle.

320



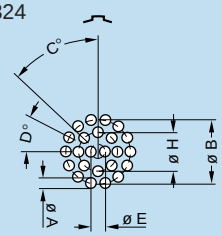
Series	Dimensions				
	A	B	C	D	H
3B	0.6	8.62	51°26'	27°42'	4.78
4B	0.6	11.00	51°26'	27°42'	6.00

322



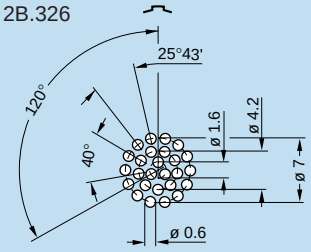
Series	Dimensions					
	A	B	C	D	E	H
3B	0.6	8.8	45°	25°43'	22°30'	5

324

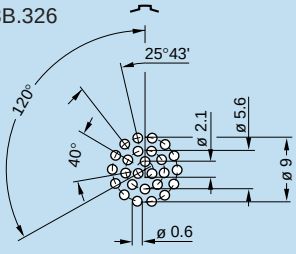


Series	Dimensions					
	A	B	C	D	E	H
3B	0.6	8.8	45°	25°43'	1.8	5.30
4B	0.6	11.1	45°	25°43'	2.2	6.65

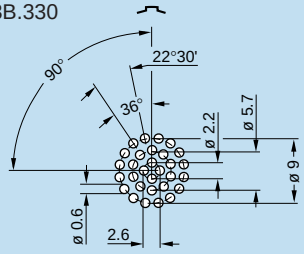
2B.326



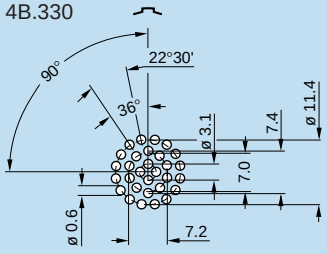
3B.326



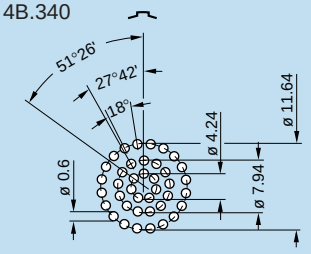
3B.330



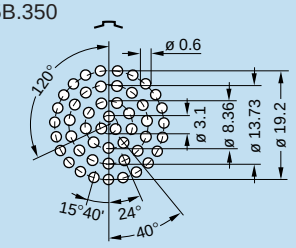
4B.330



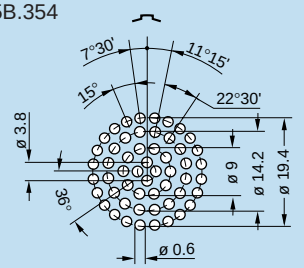
4B.340



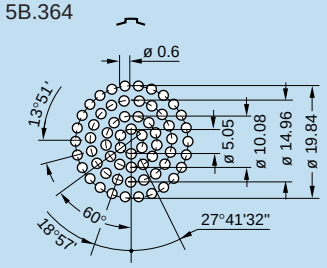
5B.350



5B.354



5B.364



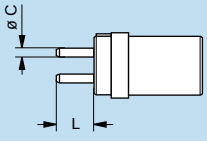
Length of straight printed circuit contacts (for receptacle E●●)

	Type	Dimensions	
		ø C	L
00	302	0.5	3.0
	303	0.5	3.0
	304	0.5	3.0
0B	302/303	0.7	3.0
	304/305	0.5	3.0
	306/307	0.5	3.0
1B	302/303/304/305	0.7	3.0
	306/307/308	0.7	3.0
	310/314/316	0.5	3.0
2B	302	0.7	3.0
	303/304/305/306/307/308/310	0.7	5.0
	312/314/316/318/319	0.7	6.0
	326	0.5	3.0
3B	303/304/308/309/310	0.7	3.0
	312/314/316/318	0.7	3.0
	320/322/324/326/328/330	0.5	4.5
4B	316/320	0.5	5.0
	324/330	0.5	5.0
	340	0.5	5.0
5B	350	0.5	5.0
	354	0.5	5.0
	364	0.5	5.0

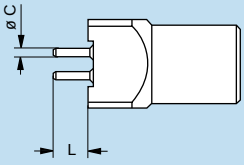
Length of straight printed circuit contacts (for receptacle EZG/EYG/XPF)

	Type	Models			
		EZG/EYG		XPF	
		ø C	L	ø C	L
0B	302/303	0.7	4.3	–	–
	304/305	0.5	4.3	0.7	2.9
	306/307	0.5/0.8	3/4.3	–	–
1B	302/303/304/305	0.7	3.6	–	–
	306/307/308	0.7	3.6	–	–
	310/314/316	0.5	3.6	–	–
2B	303/304/305/306/307/308/310	0.7	4	–	–
	312/314/316/318/319	0.7	5	–	–

E●●



EZG/EYG/XPF



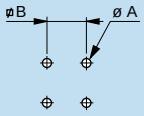
Note: This table does not apply for receptacle H●●; receptacle EH● and plug FA●.

Fixed receptacle for printed circuit (B series)

P16

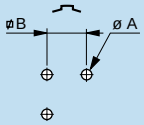
Holes for fixing the housing:

EYG-EZG



Series	Dimensions	
	A	B
00	0.8[1)]	5.08
0B	1.7[2)]	7.62
1B	1.7[2)]	7.62
2B	1.7[2)]	10.16

XPF.0B

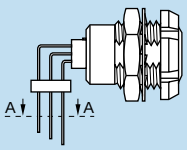


Series	Dimensions	
	A	B
0B	1.7	5.08

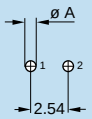
Note: [1)] To solder. [2)] To screw.

Fixed receptacle with elbow printed circuit contact (B series)

P17

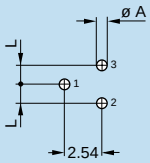


302



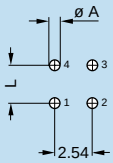
Series	Dim.
	A
0B	0.7
1B	0.9

303



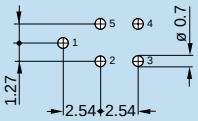
Series	Dim.	
	A	L
0B	0.7	1.27
1B	0.9	1.27
2B	0.9	2.54

304

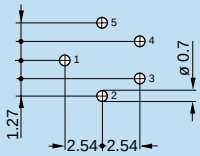


Series	Dim.	
	A	L
0B	0.7	2.54
1B	0.7	2.54
2B	0.9	3.50

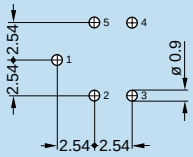
0B.305



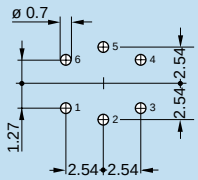
1B.305



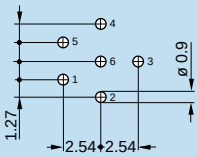
2B.305



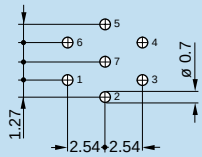
0B / 1B.306



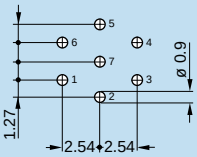
2B.306



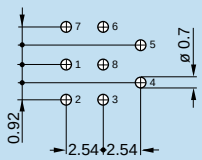
0B / 1B.307



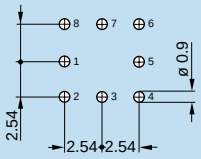
2B.307



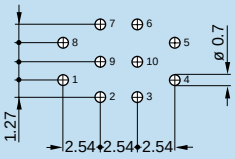
1B.308



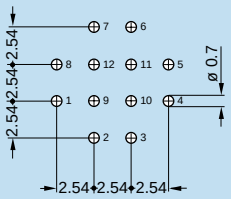
2B.308



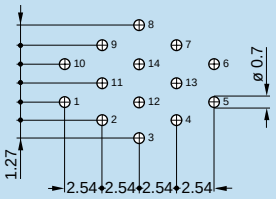
1B/ 2B.310



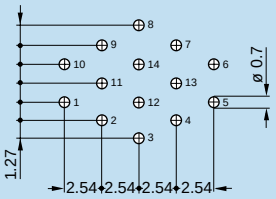
2B/ 3B.312



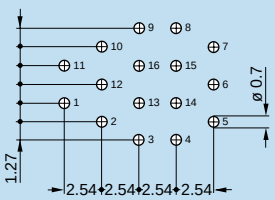
1B / 2B.314



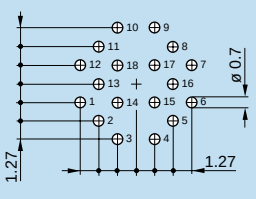
3B.314



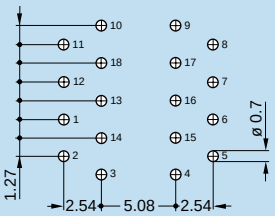
2B / 3B.316



2B.318

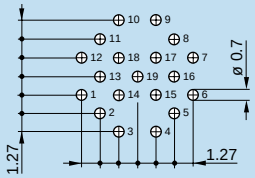


3B.318

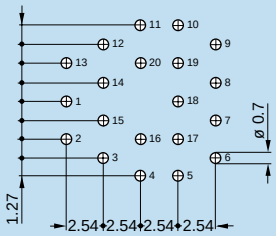


Data Subject to Change

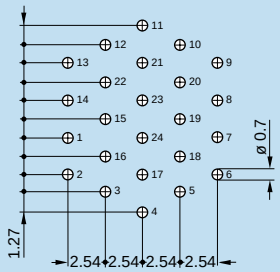
2B.319



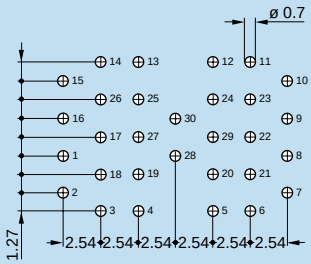
3B.320



3B.324

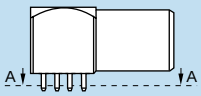


3B.330

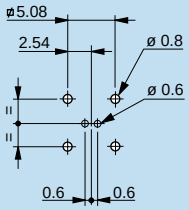


Elbow receptacle (90°) for printed circuit (B series)

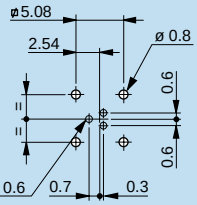
P18 P19 P20



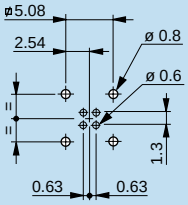
P18 - EPG.00.302 - XBG.00.302
XRB.00.302[1)]

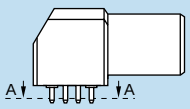


P18 - EPG.00.303 - XBG.00.303
XRB.00.303[1)]

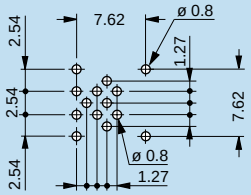


P18 - EPG.00.304 - XBG.00.304
XRB.00.304[1)]

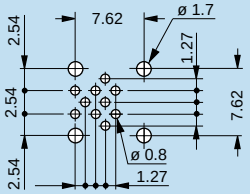




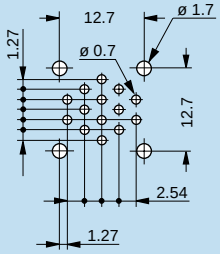
P19 - EPG-EXG
Solder mount



P19 - EPG-EXG
Screw mount



P20 - EPG.1B.314

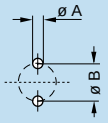


Note: [1)] For the XRB.00 series, the holes for shell fixing are different (see p. 41).

Fixed receptacle with straight printed circuit contact (S series)

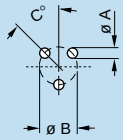
P21

302



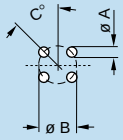
Series	Dimensions	
	A	B
0S	0.6	2.2
1S	0.8	3.0

303



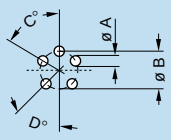
Series	Dimensions		
	A	B	C
0S	0.6	2.8	45°
1S	0.8	3.5	45°
2S	0.8	5.5	60°

304



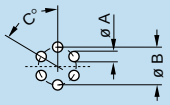
Series	Dimensions		
	A	B	C
0S	0.6	2.8	45°
1S	0.8	3.5	45°
2S	0.8	5.0	45°

305



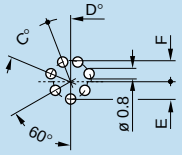
Series	Dimensions			
	A	B	C	D
1S	0.8	3.5	60°	45°
2S	0.8	5.5	60°	60°

306



Series	Dimensions		
	A	B	C
1S	0.8	3.5	60°
2S	0.8	5.5	60°
3S	0.8	6.5	60°

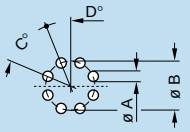
307



Series	Dimensions			
	C	D	E	F
2S	45°	22°30'	2.75	3.25
3S	45°	22°30'	3.25	3.90

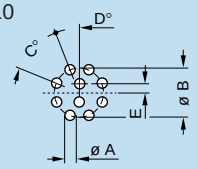
Note: All views are from the side of the receptacle.

308



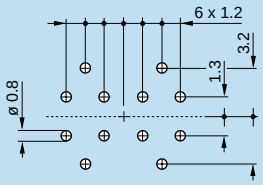
Series	Dimensions			
	A	B	C	D
2S	0.8	6.5	45°	22°30'
3S	0.8	7.8	45°	22°30'

310

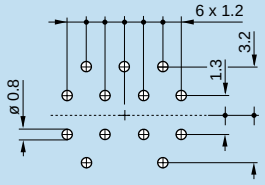


Series	Dimensions				
	A	B	C	D	E
2S	0.8	6.5	45°	22°30'	1.25
3S	0.8	7.8	45°	22°30'	1.50

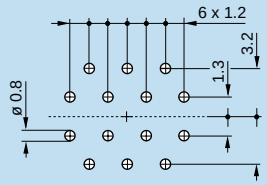
3S.312



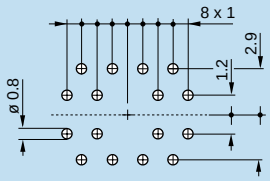
3S.313



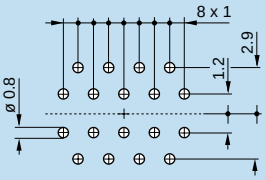
3S.314



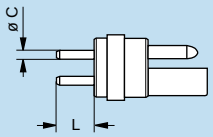
3S.316



3S.318



Length of straight printed circuit contacts (for receptacle E●●)



	Type	Dimensions	
		ø C	L
0S	302	0.7	3.0
	303	0.5	3.0
	304	0.5	3.0
1S	302	0.7	3.0
	303/304/305	0.7	3.0
	305/306	0.5	3.0
2S	303/304/305	0.8	3.0
	306/307	0.8	3.0
	307/308/310	0.7	3.0
3S	305/306/307/308/310	0.7	3.0
	312/313/314	0.7	3.0
	316/318	0.7	3.0

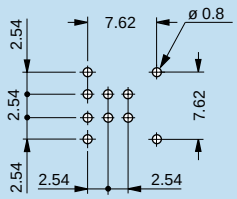
Note: This table does not apply for HGP and EHP receptacles and for FAA plugs.

Elbow receptacle (90°) for printed circuit (S series)

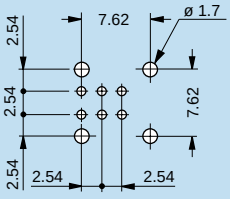
P22 P23

Note: All dimensions are in millimeters.

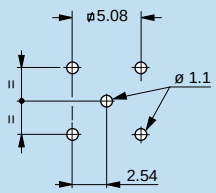
P22 - EPL - EXP
Solder mount



P22 - EPL - EXP
Screw mount

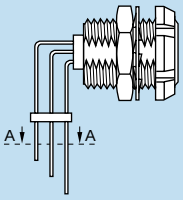


P23 - EPL.0S.116

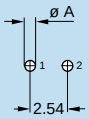


Data Subject to Change

Fixed receptacle with elbow printed circuit contact (S series) P24

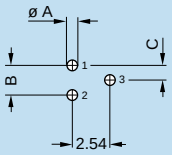


302



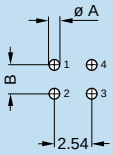
Series	Dim. A
0S	0.7
1S	0.9

303



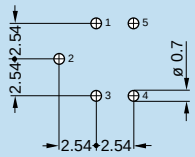
Series	Dimensions A	B	C
0S	0.7	2.00	1.00
1S	0.7	2.48	1.24

304

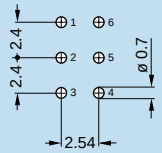


Series	Dimensions A	B
0S	0.7	2.00
1S	0.7	3.50
2S	0.9	3.50

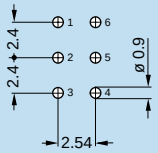
1S.305



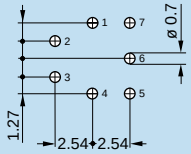
1S.306



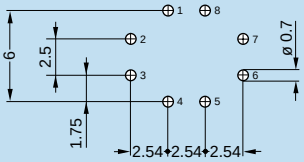
2S.306



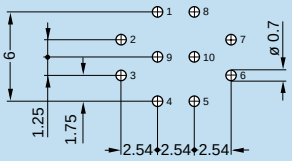
2S.307



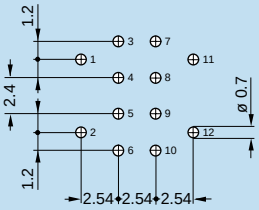
2S.308



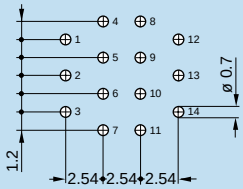
2S / 3S.310



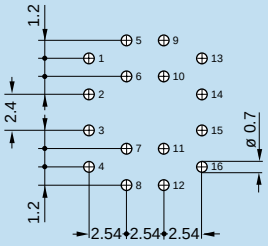
3S.312



3S.314



3S.316



Cable fixing

Cables are fixed into LEMO connectors with cable collet systems. These collets with latches have a design which is very similar to those used for tool machines. This solution guarantees excellent cable retention and ensures perfectly symmetrical deformation of the cable.

The 00 multicontact series is also available with hexagonal crimping (MIL-C-22520F).

Material and treatment

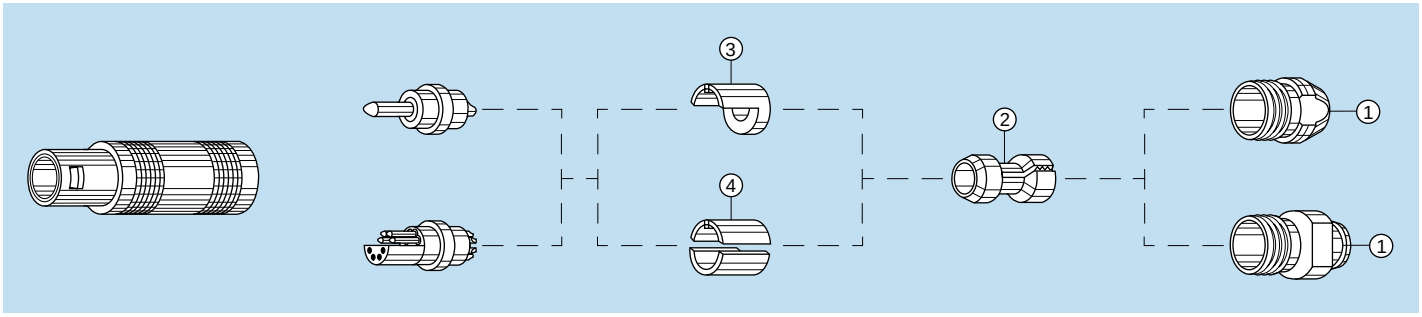
Component	Material (standard)	Surface treatment (µm)				
		Nickel		Gold		
		Cu	Ni	Cu	Ni	Au
Center piece	Brass (UNS C 38500)	0.5	3	–	–	–
Collet	Brass (UNS C 38500)	0.5	3	–	–	–
Crimp ferrule	Copper (UNS C 18700)	0.5	3	0.5	3	0.5
Reducer	Brass (UNS C 38500)	0.5	3	–	–	–
Reducing cone	Brass (UNS C 38500)	0.5	3	–	–	–
Grounding cone	Brass (UNS C 38500)	0.5	3	–	–	–
Metal washer	Brass (UNS C 38500)	0.5	3	–	–	–
Gasket	Silicone MQ/MVQ	–				
	FPM (Viton®)					

Notes:
Standards for surface treatment are as follows:
Nickel-plated: FS QQ-N-290A.

Cable clamping

Type C cable clamping (S and 2C series)

This system includes an grounding center-piece ③ or ④ and a collet ② which is compressed by the collet nut ① to ensure a good clamping to the cable. When assembling the cable, the cable shield is gripped between the grounding center-piece and the collet. The grounding center-piece design depends on the connector type:
– In one single part with opening ③ for S and E series single contact and multicontact series with contacts only on the circumference of the insulator;
– In two parts ④ for multicontact type connectors with contacts on the circumference and the center of the insulator.

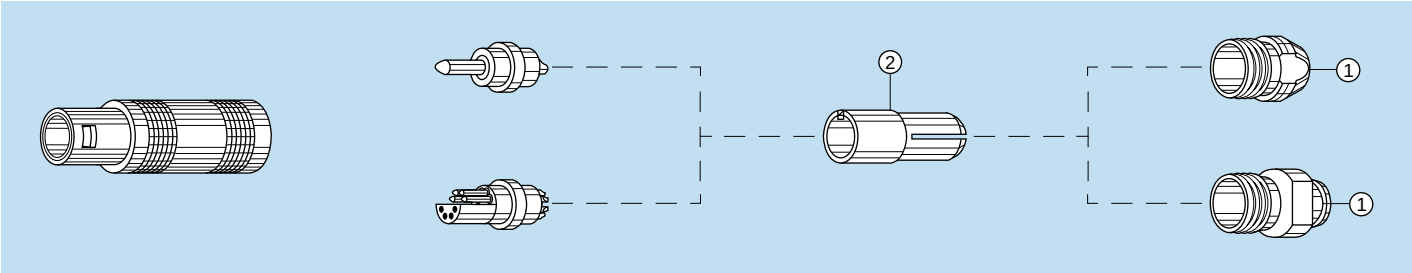


Type D cable clamping (FFL model 2S series)

This clamping system is assembled onto FFL plugs designed for crimp contacts. It includes the same components as the B series, see page 160.

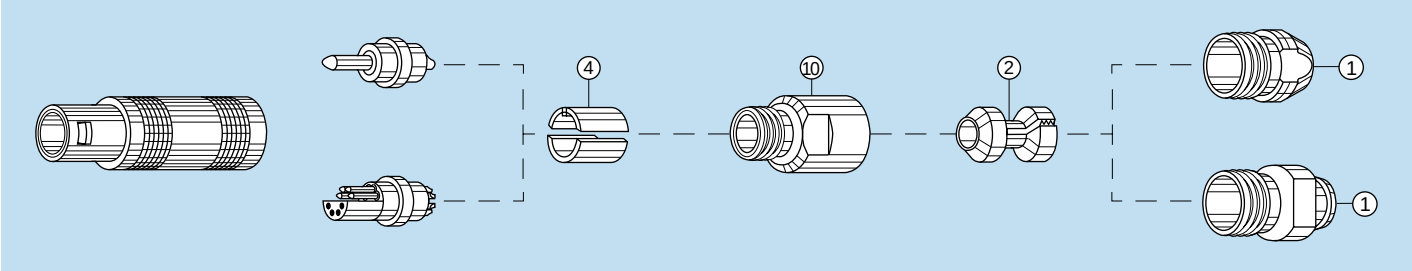
Type L cable clamping (S and 2C series)

This clamping system which includes in one part ② the center-piece and the collet, does not make it possible to connect the cable shield to the connector shell. It is delivered only upon request and can only be assembled onto single contact or multi-contact type connectors. This is the only possible clamping type for the 5S.112 type.



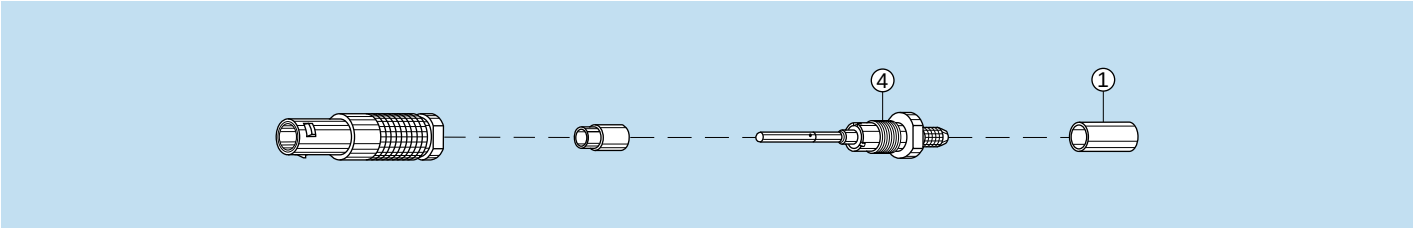
Type K cable clamping (S series)

This clamping system provides for screened or unscreened cables with diameters larger than maximum specified for each series. It includes an oversize collet housing ⑩, the collet ② and the collet nut ① of the next series size up. It requires a long-er split center-piece ④.



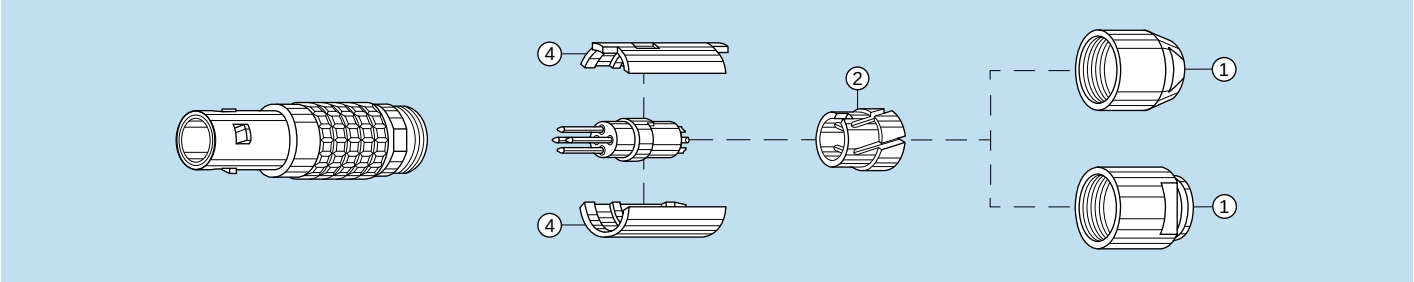
Type E cable clamping (00 single contact series)

This clamping type is specified only for the single contact 00 series. The rear end of the crimp backnut ④ which receives the shield braid is knurled to ensure a good retention of the shield once crimped under the crimp ferrule ①.



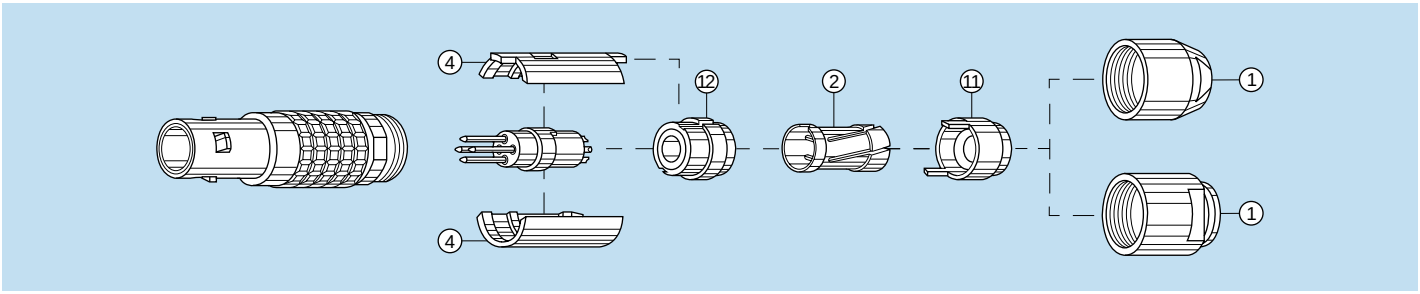
Type D cable clamping (B and 2G series)

This clamping system includes two split insert carriers ④ which position the insulator into the connector and a collet ② which is compressed by the collet nut ① ensuring the cable clamping. When assembling the connector, the cable shield is clamped between the split insert carrier and the collet.



Type M cable clamping (B series)

This clamping system is adapted to cables with a diameter smaller than the smallest diameter specified for each series.
It includes a reducer ⑫, a collet of a smaller series ② and a reducing cone ⑪.
These parts have the same function as the D type collet.



Technical Tables

Table of Wire Gauges

AWG	Construction		ø wire max		Wire section	
	Strand no.	AWG/ strand	(mm)	(in)	(mm^2)	(sq in)
4	133	25	6.9596	0.274	21.5925	0.0335
6	133	27	5.5118	0.217	13.5885	0.0211
8	168	30	4.4450	0.175	8.5127	0.0132
8	133	29	4.3942	0.173	8.6053	0.0133
10	105	30	3.3020	0.13	5.3204	0.0082
10	37	26	2.9210	0.115	4.7397	0.0073
10	1	10	2.6162	0.103	5.2614	0.0082
12	65	30	2.5146	0.099	3.2936	0.0051
12	37	28	2.3114	0.091	2.9765	0.0046
12	19	25	2.3622	0.093	3.0847	0.0048
12 [1)]	7	20	2.5400	0.1	3.6321	0.0056
12	1	12	2.0828	0.082	3.3081	0.0051
14	41	30	2.0574	0.081	2.0775	0.0032
14	19	27	1.8542	0.073	1.9413	0.0030
14 [1)]	7	22	2.0828	0.082	2.2704	0.0035
14	1	14	1.6510	0.065	2.0820	0.0032
16 [1)]	65	34	1.5748	0.062	1.3072	0.0020
16	26	30	1.5748	0.062	1.3174	0.0020
16	19	29	1.4986	0.059	1.2293	0.0019
16 [1)]	7	24	1.5494	0.061	1.4330	0.0022
16	1	16	1.3208	0.052	1.3076	0.0020
18 [1)]	65	36	1.2700	0.05	0.8234	0.0013
18 [1)]	42	34	1.2700	0.05	0.8447	0.0013
18	19	30	1.3208	0.052	0.9627	0.0015
18	16	30	1.2954	0.051	0.8107	0.0013
18	7	26	1.2700	0.05	0.8967	0.0014
18	1	18	1.0414	0.041	0.8229	0.0013
20 [1)]	42	36	1.0160	0.04	0.5320	8.2×10^{-4}
20	19	32	1.0414	0.041	0.6162	0.0010
20	10	30	1.0160	0.04	0.5067	7.9×10^{-4}
20	7	28	0.9906	0.039	0.5631	8.7×10^{-4}
20	1	20	0.8382	0.033	0.5189	8.0×10^{-4}
22	19	34	0.8382	0.033	0.3821	5.9×10^{-4}
22	7	30	0.7874	0.031	0.3547	5.5×10^{-4}
22	1	22	0.6604	0.026	0.3243	5.0×10^{-4}
24 [1)]	42	40	0.6604	0.026	0.2045	3.2×10^{-4}
24	19	36	0.6858	0.027	0.2407	3.7×10^{-4}
24	7	32	0.6350	0.025	0.2270	3.5×10^{-4}
24	1	24	0.5588	0.022	0.2047	3.2×10^{-4}
26	19	38	0.5588	0.022	0.1540	2.4×10^{-4}
26	7	34	0.5080	0.02	0.1408	2.2×10^{-4}
26	1	26	0.4318	0.017	0.1281	2.0×10^{-4}
28 [1)]	19	40	0.4318	0.017	0.0925	1.4×10^{-4}
28	7	36	0.4064	0.016	0.0887	1.4×10^{-4}
28	1	28	0.3302	0.013	0.0804	1.2×10^{-4}
30	7	38	0.3302	0.013	0.0568	8.8×10^{-5}
30	1	30	0.2794	0.011	0.0507	7.9×10^{-5}
32	7	40	0.2794	0.011	0.0341	5.3×10^{-5}
32	1	32	0.2286	0.009	0.0324	5.0×10^{-5}
34	1	34	0.1693	0.007	0.0201	3.1×10^{-5}
36	1	36	0.127	0.005	0.0127	2.0×10^{-5}
38	1	38	0.1016	0.004	0.0081	1.3×10^{-5}
40	1	40	0.078	0.003	0.0049	7.5×10^{-6}

Table of wire gauges according to IEC-228 standard

Conductor no x Ø (mm)	Max Ø (mm)	Max Ø (in)	Section (mm^2)	Section (sq in)
196 x 0.40	7.50	0.295	25.00	0.0387
7 x 2.14	6.10	0.240	25.00	0.0387
125 x 0.40	6.00	0.236	16.00	0.0248
7 x 1.72	4.90	0.192	16.00	0.0248
1 x 4.50	4.50	0.177	16.00	0.0248
80 x 0.40	4.70	0.155	10.00	0.0155
7 x 1.38	3.95	0.155	10.00	0.0155
1 x 3.60	3.60	0.141	10.00	0.0155
84 x 0.30	3.70	0.145	6.00	0.0093
7 x 1.50	3.15	0.124	6.00	0.0093
1 x 2.76	2.76	0.108	6.00	0.0093
56 x 0.30	2.80	0.110	4.00	0.0062
7 x 0.86	2.58	0.098	4.00	0.0062
1 x 2.25	2.25	0.082	4.00	0.0062
50 x 0.25	2.15	0.084	2.50	0.0038
7 x 0.68	2.04	0.080	2.50	0.0038
1 x 1.78	1.78	0.070	2.50	0.0038
30 x 0.25	1.60	0.062	1.50	0.0023
7 x 0.52	1.56	0.061	1.50	0.0023
1 x 1.14	1.40	0.055	1.50	0.0023
32 x 0.20	1.35	0.053	1.00	0.0015
7 x 0.43	1.29	0.050	1.00	0.0015
1 x 1.15	1.15	0.045	1.00	0.0015
42 x 0.15	1.20	0.047	0.75	0.0011
28 x 0.20	1.15	0.045	0.75	0.0011
1 x 1.0	1.00	0.039	0.75	0.0011
28 x 0.15	0.95	0.037	0.50	7.7×10^{-4}
16 x 0.20	0.90	0.035	0.50	7.7×10^{-4}
1 x 0.80	0.80	0.031	0.50	7.7×10^{-4}
7 x 0.25	0.75	0.029	0.34	5.2×10^{-4}
1 x 0.60	0.60	0.023	0.28	4.3×10^{-4}
14 x 0.15	0.75	0.029	0.25	3.8×10^{-4}
7 x 0.20	0.65	0.023	0.22	3.4×10^{-4}
18 x 0.10	0.50	0.019	0.14	2.1×10^{-4}
14 x 0.10	0.40	0.015	0.11	1.7×10^{-4}
21 x 0.07	0.40	0.015	0.09	1.3×10^{-4}
14 x 0.10	0.40	0.015	0.09	1.3×10^{-4}

Note: [1)] Not included in the standard

Conversion Tables — millimeters/inches

(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
0.02	0.0007	1.37	0.0539	3.90	0.1535	8.90	0.3504	16.00	0.6299	29.50	1.1614
0.03	0.0011	1.40	0.0551	4.00	0.1575	9.00	0.3543	16.10	0.6338	30.00	1.1811
0.10	0.0039	1.50	0.0590	4.36	0.1716	9.40	0.3701	17.00	0.6693	30.80	1.2125
0.16	0.0062	1.52	0.0598	4.50	0.1771	9.50	0.3740	17.50	0.6889	31.00	1.2204
0.18	0.0071	1.60	0.0629	5.00	0.1968	9.60	0.3779	17.80	0.7007	31.80	1.2519
0.20	0.0078	1.70	0.0669	5.08	0.1999	9.70	0.3818	18.00	0.7086	32.00	1.2598
0.30	0.0118	1.71	0.0673	5.20	0.2047	10.00	0.3937	18.20	0.7165	33.00	1.2992
0.40	0.0157	1.80	0.0708	5.37	0.2114	10.30	0.4055	18.50	0.7283	33.50	1.3188
0.48	0.0188	2.00	0.0787	5.50	0.2165	10.40	0.4094	19.00	0.7480	34.00	1.3385
0.50	0.0196	2.10	0.0826	5.80	0.2283	10.50	0.4134	19.50	0.7677	34.50	1.3582
0.51	0.0201	2.20	0.0866	6.00	0.2362	10.70	0.4212	20.00	0.7874	35.70	1.4055
0.54	0.0212	2.42	0.0953	6.20	0.2441	10.80	0.4252	20.50	0.8071	36.00	1.4173
0.60	0.0236	2.50	0.0984	6.30	0.2480	11.00	0.4331	20.60	0.8110	40.00	1.5748
0.70	0.0275	2.60	0.1023	6.40	0.2519	11.50	0.4527	21.00	0.8267	41.00	1.6141
0.80	0.0315	2.70	0.1063	6.50	0.2559	11.70	0.4606	21.50	0.8464	42.00	1.6535
0.86	0.0338	2.80	0.1102	6.80	0.2677	12.00	0.4724	21.80	0.8582	43.00	1.6929
0.87	0.0342	2.95	0.1161	7.00	0.2755	12.60	0.4961	22.00	0.8661	45.00	1.7716
0.90	0.0354	3.00	0.1181	7.10	0.2795	12.90	0.5078	23.00	0.9055	45.50	1.7913
0.91	0.0358	3.05	0.1201	7.40	0.2913	13.00	0.5118	23.80	0.9370	46.50	1.8307
0.95	0.0374	3.10	0.1220	7.50	0.2952	13.70	0.5393	24.00	0.9448	50.00	1.9685
1.00	0.0393	3.20	0.1259	8.00	0.3149	14.00	0.5512	25.00	0.9842	60.00	2.3622
1.21	0.0476	3.30	0.1299	8.30	0.3267	14.30	0.5629	25.50	1.0039	65.00	2.5590
1.29	0.0507	3.50	0.1378	8.60	0.3385	14.50	0.5708	26.00	1.0236	70.00	2.7559
1.30	0.0512	3.78	0.1488	8.70	0.3425	15.00	0.5905	28.00	1.1023	78.00	3.0708
1.32	0.0519	3.80	0.1496	8.80	0.3464	15.50	0.6102	28.50	1.1220	150.00	5.9055

Terms and Conditions

1. Acceptance: If Buyer's order contains written, printed or stamped provisions or conditions inconsistent with the written, printed or stamped provisions of this Agreement attached hereto, the provisions and conditions of this Agreement shall prevail. Buyer shall contact LEMO USA within 10 days of receipt of LEMO USA Terms and Conditions if any objection is raised. Failure of Buyer to timely object shall be deemed an acceptance by Buyer of LEMO USA's Terms and Conditions. If a timely objection is raised by the Buyer to the LEMO USA Terms and Conditions, the order(s) will not be entered until agreement in writing is reached. All orders are subject to acceptance by Seller. Seller's acceptance is expressly conditional upon Buyer's acceptance of LEMO USA Terms and Conditions.

2. Pricing: Prices are based on continuous manufacture rates of delivery specified. Buyer will be charged any direct additional cost to which Seller is put by reason of any interruption of production due to Buyer's request, act or default.

3. Applicable Law: Purchase Order is subject to the applicable provisions of the Uniform Commercial Code, under the laws of the State of California.

4. Buyer's Liability: Buyer is liable for all costs associated with completed units, shipped or unshipped, labor and materials on work in process, and raw materials on hand and/or specific to Buyer's Order and all reasonable direct damages, for lead time specified in advance of requested date of cancellation.

5. License: The submission of a quotation or order acknowledgment does not grant or imply a license under any patents now owned or controlled by Seller, or which may become owned or controlled by Seller.

6. Buyer's Default: In the event Buyer cancels the contract embodied by Buyer's Order and this acceptance thereof, in whole or in part, or such contract is canceled by Seller because of default by the Buyer, the Buyer shall pay Seller by reason of such cancellation or default for reasonable direct damages sustained, including costs associated with completed units, shipped or unshipped, labor and materials on work in process, and raw materials on hand and/or specific to Buyer's Order and all reasonable direct damages, for lead time specified in advance of requested date of cancellation, at the current price applicable to the total quantity ordered at the time of default. Notwithstanding the foregoing, if item or items ordered are NON-CANCELABLE/NON-RETURNABLE , the Buyer shall purchase 100% of quantity ordered.

In the event Seller does not meet the confirmed delivery date agreed to with the Buyer as evidenced in writing, Seller shall be allowed one opportunity to reschedule the delivery and Buyer shall not be entitled to cancel the Order for such reason. In the event Seller does not meet said rescheduled delivery, Buyer may cancel the Order and not be in default under the Agreement, including the terms of this Section 6.

7. Indemnity: Buyer hereby specifically agrees to save Seller harmless and indemnify Seller against all claims for damage or profits and for all costs and attorney fees incurred by Seller resulting from any suit or suits arising from alleged infringements of patents, design copyrights, or trademarks with respect to all goods manufactured, either in whole or in part, to Buyer's specifications.

Seller, at its expense, will defend Buyer and its customer against any reasonable and good faith claim based on an allegation that an unaltered LEMO USA product infringes a patent or copyright of another; provided however, that no such obligation shall apply to (i) any LEMO USA product manufactured to Buyer's specifications and/or designs or (ii) any product that has been modified, altered, misused or damaged by Buyer or a third party. Seller shall pay any reasonable resulting costs, damages and attorney's fees finally awarded against Buyer or its customer that are attributable to such claim or will pay the part of any settlement that is attributable to such claim, provided that: (a) Buyer notifies Seller promptly in writing of the claim; (b) Seller is permitted to control the defense or settlement of the claim; and (c) Buyer and its customer cooperate reasonably in such defense or settlement.

8. Returns: All NON-CANCELABLE/NON-RETURNABLE products shall not be returned. Subject to Section D, Subsection 3 of the Distribution Agreement , If Buyer intends to return standard product, a return authorization number is required prior to return shipment and the product may be subjected to a restocking fee. Seller reserves the right not to issue a return authorization. Product must be returned (with shipping costs prepaid) in original packaging and in original condition as when purchased, undamaged, not reconfigured, not obsolete, fit for use, and shall not have been previously shipped from Seller to Buyer or its customer more than one year prior to the date of return. Seller reserves the right to not accept damaged product for credit, replacement, or substitution. If damaged product is accepted by Seller for credit, and damage is caused by the negligence of the Buyer, the Buyer will pay all costs for refurbishment of damaged product. Discovery of product defect and return of product shall be made in the period of time following delivery as provided in the applicable sections of the Uniform Commercial Code. In the event of a return, Seller shall have the right, in its sole discretion, to replace, substitute, or issue a credit to Buyer.

9. Payment: All invoices are delinquent at 30 days past invoice date and will be subject to 1% per month finance charge. Overdue accounts may be placed on credit hold and shipments held. Buyer agrees to pay all reasonable collection charges, including attorney fees, in the event his account is delinquent more than 30 days.

10. Payment Taxes: In the event any sales tax, manufacturer's tax, or other tax is applicable to any shipment made by the Buyer on Buyer's order, such tax shall be added to the selling price and shall be paid by the Buyer.

11. Title/Risk of Loss: All prices are F.O.B. Rohnert Park, California, 1% 10 days/Net 30 days and all Seller obligations hereunder are completed when Seller delivers the items, properly consigned, to a common carrier, Seller's delivery to such carrier shall constitute delivery thereof to the Buyer.

12. Warranties: Seller warrants to Buyer that the Goods will conform to the applicable drawings or design standards. The express warranty set forth in this agreement is exclusive and is in lieu of all other express or implied warranties, but not limited to, warranties of merchantability and fitness for a particular purpose.

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE SELLER DISCLAIMS ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES, WARRANTIES OF MERCHANTABILITY AND WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR USE.

13. Disputes and Resolution; Attorney's Fees: The parties agree that any disputes or questions arising hereunder including the construction or application of the Agreement, including these Terms and Conditions shall be settled in the State of California, according to the laws of the State of California. The parties hereto hereby consent to jurisdiction and venue in the Superior Court of Sonoma County, California, and in the Federal District Court for the Northern District of California, with respect to all disputes or disagreements under the Agreement, including these Terms and Conditions and agree that any action with respect to any of the foregoing shall be brought and maintained only in such courts sitting in the Northern District of California or Sonoma County, as appropriate. In any court action at law or in equity, which is brought by one of the parties to enforce or interpret the provisions of the Agreement, including these Terms and Conditions, the prevailing party will be entitled to costs and reasonable attorney's fees, in addition to any other relief to which that party may be entitled.

14. Confidentiality: Both parties acknowledge that during the course of business, each may obtain confidential information regarding the other party's business. Both parties agree to treat all such information as confidential and to take all reasonable precautions against disclosure of such information to unauthorized third parties during and for five (5) years after the term of all orders. Upon request by an owner, all documents relating to the confidential information will be returned to such owner.

15. Assignment: It is agreed by the parties that there will be no assignment or transfer of any order or any interest in any orders. Action by a party in violation of this provision will dismiss the other party from any further obligations arising from any orders.

16. Entire Terms & Conditions: These Terms & Conditions, together with the Agreement contain the entire agreement of the parties and there are no other promises or conditions in any other agreements whether oral or written. This document, together with the Agreement, supersedes any prior written or oral agreements between the parties.

17. Amendment: These Terms & Conditions may be modified or amended if the amendment is made in writing and is signed by both parties; provided however, that the terms of the Agreement shall control in any case where there is a conflict between these Terms & Conditions and the Agreement.

18. Severability: If any provision of these Terms & Conditions shall be held to be invalid or unenforceable for any reason, the remaining provisions shall continue to be valid and enforceable. If a court finds that any provision is invalid or unenforceable, but that by limiting such provision it would become valid and enforceable, then such provision shall be deemed to be written, construed and enforced as so limited.

19. Waiver of Contractual Right: The failure of either party to enforce any provision of these Terms & Conditions shall not be construed as a waiver or limitation of that party's right to subsequently enforce and compel strict compliance with every provision of this Contract.

20. Limitation on Damages: Buyer's consequential or incidental damages for any Seller breach of the contract, except for Seller's gross negligence or willful misconduct, will be limited to the purchase price. Subject to Section 7 hereof, Seller will have no liability to Buyer for any damages, losses, liabilities, injuries, claims, demands or expenses arising out of or directly or indirectly connected with the use of the product. Seller shall not be liable for any exemplary, indirect, incidental, or consequential damages sustained or incurred in connection with the use of the product regardless of the form of action, whether in contract, tort (including negligence) or strict liability.

SELLER SHALL NOT BE LIABLE FOR ANY DAMAGES DUE TO CAUSES BEYOND THE REASONABLE CONTROL OF SELLER OR ATTRIBUTABLE TO ANY SERVICE, PRODUCTS, OR ACTIONS OF ANY PERSON OTHER THAN SELLER REGARDLESS OF THE FORM OF ACTION AND WHETHER OR NOT SUCH DAMAGES ARE FORESEEABLE.

NEITHER PARTY SHALL BE LIABLE IN ANY WAY TO THE OTHER PARTY FOR DELAYS, FAILURE IN PERFORMANCE, OR LOSS OR DAMAGE DUE TO FORCE MAJEURE CONDITIONS SUCH AS: FIRE; LIGHTENING; STRIKE; EMBARGO; EXPLOSION; POWER SURGE OR FAILURE; ACTS OF GOD; WAR; TERRORIST ATTACKS, LABOR DISPUTES; CIVIL DISTURBANCES; ACTS OF CIVIL OR MILITARY AUTHORITY; INABILITY TO SECURE MATERIALS, FUEL, PRODUCTS OR TRANSPORTATION FACILITIES; ACTS OR OMISSIONS OF SUPPLIERS, OR ANY OTHER CAUSES BEYOND ITS REASONABLE CONTROL, WHETHER OR NOT SIMILAR TO THE FOREGOING.

Product Safety Notice

PLEASE READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY AND CONSULT ALL RELEVANT NATIONAL AND INTERNATIONAL SAFETY REGULATIONS FOR YOUR APPLICATION. IMPROPER HANDLING, CABLE ASSEMBLY, OR USE OF CONNECTORS CAN RESULT IN HAZARDOUS SITUATIONS.

1. **SHOCK AND FIRE HAZARD**
   Incorrect wiring, the use of damaged components, foreign objects (such as metal debris), and / or the presence of residue (such as cleaning fluids), can result in short circuits, overheating, and / or risk of electric shock. Mated components should never be disconnected while live as this may result in an exposed electric arc and local overheating, resulting in possible damage to components.

2. **HANDLING**
   Connectors and their components should be visually inspected for damage prior to installation and assembly. Suspect components should be rejected or returned to the factory for verification. Connector assembly and installation should only be carried out by properly trained personnel. Proper tools must be used during installation and / or assembly in order to obtain safe and reliable performance.

3. **USE**
   Connectors with exposed contacts should never be live (or on the current supply side of a circuit). Under general conditions voltages above 30 VAC and 42 VDC are considered hazardous and proper measures should be taken to eliminate all risk of transmission of such voltages to any exposed metal part of the connector.

4. **TEST AND OPERATING VOLTAGES**
   The maximum admissible operating voltage depends upon the national or international standards in force for the application in question. Air and creepage distances impact the operating voltage; reference values are indicated in the catalog however these may be influenced by PC board design and / or wiring harnesses. The test voltage indicated in the catalog is 75% of the mean breakdown voltage; the test is applied at 500 V/s and the test duration is 1 minute.

5. **CE MARKING**
   CE Marking is applied to a complete product or device, and implies that the device complies with one or several European safety directives. CE Marking can NOT be applied to electromechanical components such as connectors.

6. **PRODUCT IMPROVEMENTS**
   The LEMO Group reserves the right to modify and improve to our products or specifications without providing prior notification.

Design Engineering Services

DATE: _____

LEMO creates custom designs to fit your unique application, ranging from connector to multi-component assemblies.

- **Custom Connectors** – Precision designs tested to your specifications
- **Cable Assembly** – Electronic and hybrid fiber optic cable assemblies to meet a wide variety of demanding applications
- **Cable Assembly Integration** – Consultation on routing of cable and connections within your product
- **Rapid Prototyping** – Onsite engineering and rapid prototyping capabilities to assist in the high demands of product development
- **Pro/ENGINEER®** 3D solid CAD models available

Manufacturing Services

Outsource your manufacturing challenges. LEMO's capable engineering staff can create solutions for your cable assembly or component sub-assembly designs.

- **Cable Assembly** – Expertise in both electronic and fiber optic connector termination
- **Overmolding Design and Manufacture** – Custom overmold designs to enhance aesthetics while providing durability and strength
- **Sub-Assembly Build** – Combine our connectors and cable assemblies with your sub-assemblies to provide a tested and proven module

I am interested in:

- ☐ **Design Engineering Services**
- ☐ **Manufacturing Services**

Please send me information on:

_____

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_____

_____

_____

Name _____ Rep. Name _____

Title _____ Telephone _____ Fax _____ Email _____

Company Name _____

Street _____

City _____ State _____ Zip _____

Please detach and fax directly to LEMO at (707) 578-0869, or mail to LEMO USA, Attn.: Engineering, P.O. Box 2408, Rohnert Park, CA 94927-2408