T SERIES

IP 68 PUSH-PULL CONNECTORS

LEMO®

T series

T series connectors have been specifically designed for outdoor applications. They include an inner sleeve and seals to prevent penetration of solids or liquids.This series is watertight when mated to give a protection index of IP68 as per IEC 60529 standard and have the following main features:

- IP68 mated
- Push-Pull self-latching system
- Mechanical key (FGG) with multiple keys to avoid cross-mating
- High packing density for space savings
- 360° shielding for full EMC shielding
- Compatible with existing B sockets
- Same mounting hole as B sockets
- Black-chrome plated brass and plastic outershell available
- Multipole types 2 to 32 contacts
- For cables 1.0 up to 10.5 mm
- Solder, crimp or print contacts

Technical Characteristics

Mechanical and Climatical	Value	Standard
Endurance	> 1000 cycles [1]	IEC 60512-5 test 9a
Humidity	up to 95% at 60°C	–
Temperature range	-55°C, +200°C / (-20°C, +80°C) [2]	–
Resistance to vibration	10-2000 Hz, 15 g	IEC 60512-4 test 6d
Shock resistance	100 g, 6 ms	IEC 60512-4 test 6c
Salt spray corrosion test	> 1000 h	IEC 60512-6 test 11f
Protection index (mated)	IP68 [3]	IEC 60529
Latching retention force	> 100 N	–

Note: [1] Up to 5000 cycles for size 3T. [2] operating temperature is -20°C, +80°C for watertight or vacuumtight models fitted with an FPM (Viton®) o-ring and Epoxy. [3] IP68 achieved providing that the cable is perfectly circular and that assembly process ensures a high integrity seal.

Electrical	Value	Standard
Shielding efficiency at 10 MHz	> 75 dB	IEC 60169-1-3
Shielding efficiency at 1 GHz	> 40 dB	IEC 60169-1-3

Material and Treatments

Outershell and collet nut		Latch sleeve/earthing crown		Other metallic components	
Material	Surface treatment	Material	Surface treatment	Material	Surface treatment
Brass	Chrome	Brass/Bronze	Nickel	Brass	Nickel
Brass	Black chrome	Brass/Bronze	Nickel	Brass	Nickel
POM	–	Brass/Bronze	Nickel	Brass	Nickel

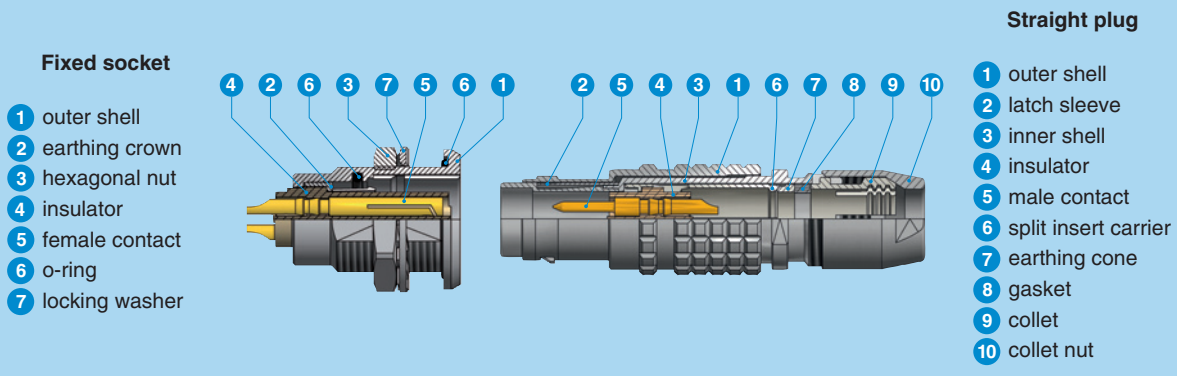
Contacts

Material	Contact type
Brass (UNS C 34500)	Male contact
Bronze (UNS C 54400)	Female contact

Insulators

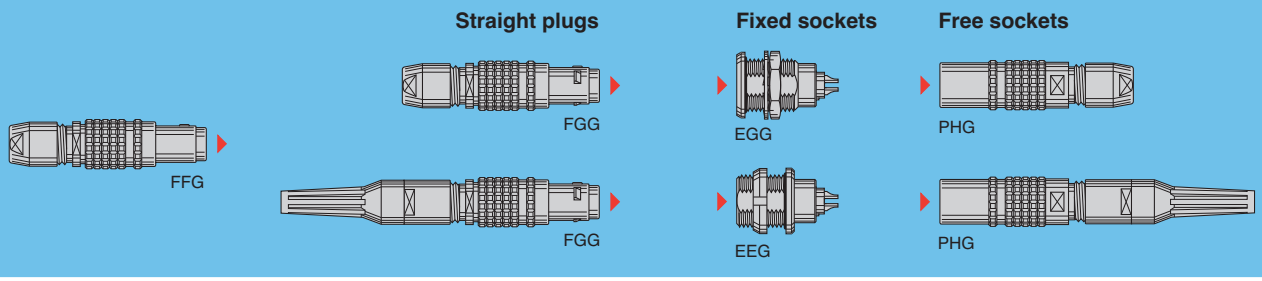
Material	Contact type
PEEK	Crimp, solder or print

Part Section Showing Internal Components

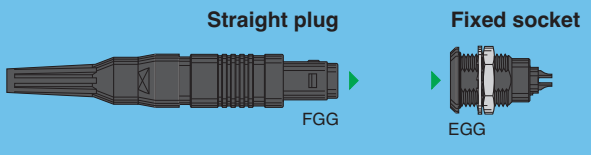


Interconnections

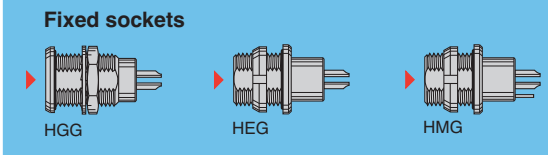
Chrome-plated housing models



Plastic housing models

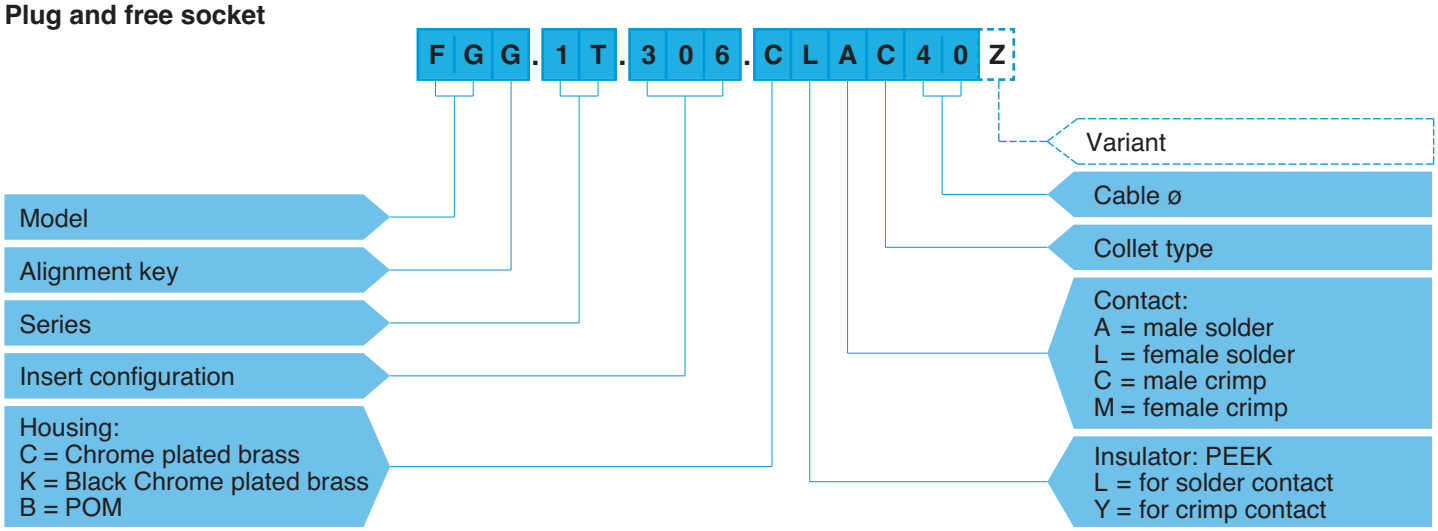


Watertight or vacuumtight models



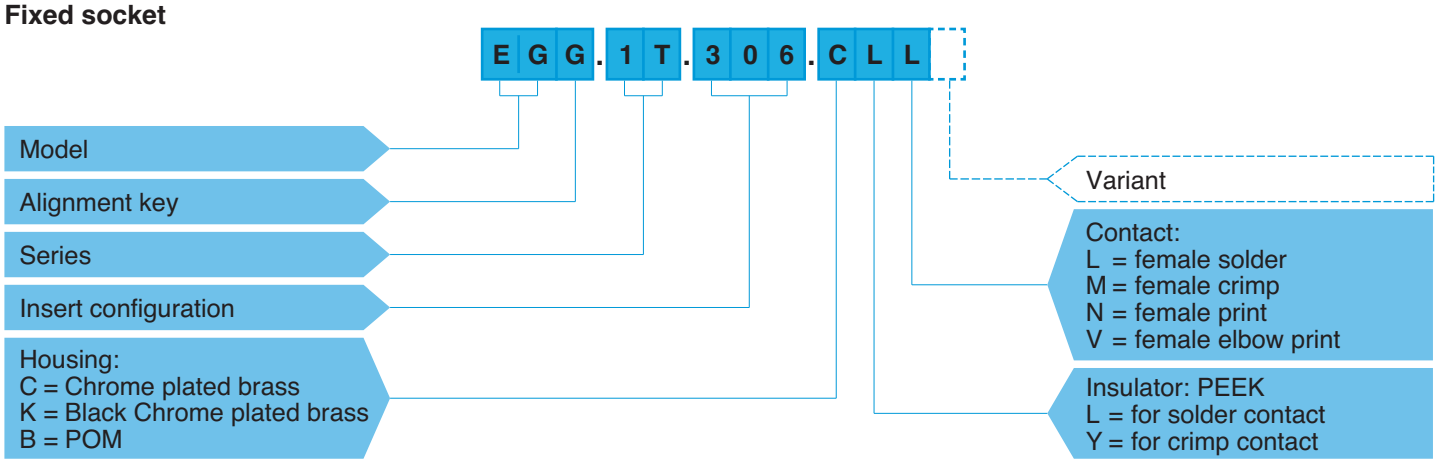
Part Numbering System

Plug and free socket



FGG.1T.306.CLAC40Z = Straight plug with key (G) and cable collet for bend relief, 1T series, multipole type with 6 contacts, outer shell in chrome-plated brass, PEEK insulator, male solder contacts, C type collet for 4.0 mm diameter cable and nut for fitting a bend relief.

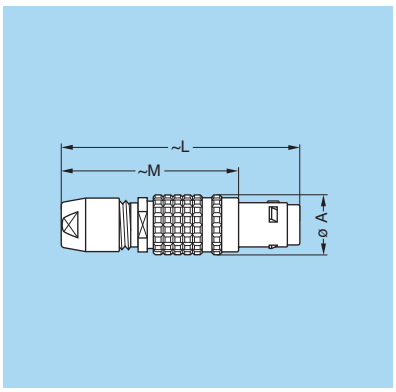
Fixed socket



EGG.1T.306.CLL = fixed socket, nut fixing, with key (G), 1T series, multipole type with 6 contacts, outer shell in chrome-plated brass, PEEK insulator, female solder contacts.

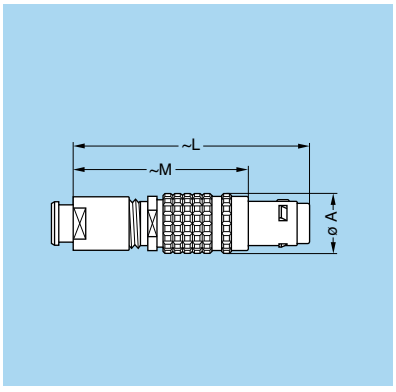
Chrome-plated housing models

FGG Straight plug, cable collet



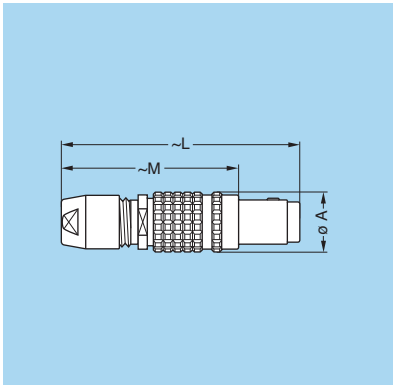
Reference		Dimensions (mm)			Cable ø	
Model	Series	A	L	M	min.	max.
FGG	TT	7.0	33.2	25.2	2.4	3.0
FGG	0T	9.5	39.0	29.0	1.0	5.0
FGG	1T	12.0	46.0	35.0	1.3	6.5
FGG	2T	15.0	55.0	43.0	1.3	8.5
FGG	3T	18.8	64.0	49.0	2.6	10.5

FGG Straight plug, cable collet and nut for fitting a bend relief



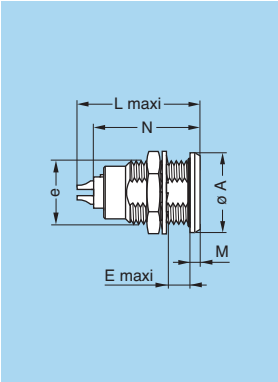
Reference		Dimensions (mm)			Cable ø	
Model	Series	A	L	M	min.	max.
FGG	TT	7.0	32.7	24.7	2.4	3.0
FGG	0T	9.5	38.0	28.0	1.0	5.0
FGG	1T	12.0	45.0	34.0	1.3	6.5
FGG	2T	15.0	54.0	42.0	1.3	8.5
FGG	3T	18.8	62.0	47.0	2.6	10.5

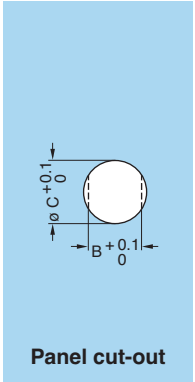
FFG Straight plug, non latching, cable collet



Reference		Dimensions (mm)			Cable ø	
Model	Series	A	L	M	min.	max.
FFG	TT	7.0	33.2	25.2	2.4	3.0
FFG	0T	9.5	39.0	29.0	1.0	5.0
FFG	1T	12.0	46.0	35.0	1.3	6.5
FFG	2T	15.0	55.0	43.0	1.3	8.5
FFG	3T	18.8	64.0	49.0	2.6	10.5

EGG Fixed socket, nut fixing



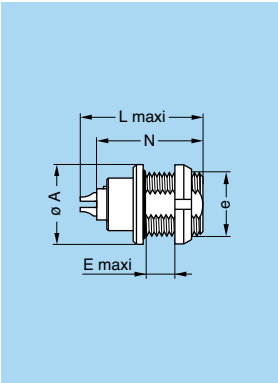


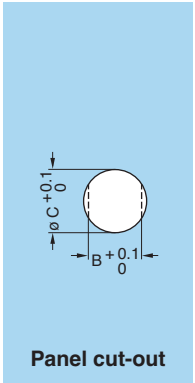
Panel cut-out

Reference		Dimensions (mm)						Panel cut-out	
Model	Series	A	e	E	L	M	N[1)]	B	C
EGG	TT	10.0	M7x0.5	5.5	16.0	1.2	13.5	6.4	7.1
EGG	0T	12.0	M9x0.6	6.0	21.0	1.5	19.1	8.3	9.1
EGG	1T	15.5	M12x1.0	6.0	23.0	1.8	21.5	10.6	12.1
EGG	2T	18.5	M15x1.0	7.5	26.5	1.8	24.6	13.6	15.1
EGG	3T	23.5	M18x1.0	9.6	30.1	2.5	25.0	16.6	18.1

Note: [1)] maximum length with crimp contacts.

EEG Fixed socket, nut fixing, back panel mounting



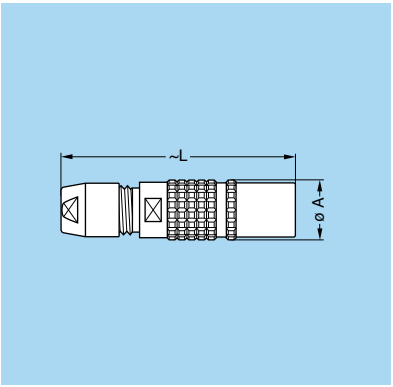


Panel cut-out

Reference		Dimensions (mm)					Panel cut-out	
Model	Series	A	e	E	L	N[1)]	B	C
EEG	TT	10.0	M7x0.5	4.5	16.0	13.5	6.4	7.1
EEG	0T	12.0	M9x0.6	6.5	21.0	19.1	8.3	9.1
EEG	1T	15.5	M12x1.0	6.5	23.0	21.5	10.6	12.1
EEG	2T	18.5	M15x1.0	7.5	26.5	24.6	13.6	15.1
EEG	3T	23.5	M18x1.0	7.5	30.1	25.0	16.6	18.1

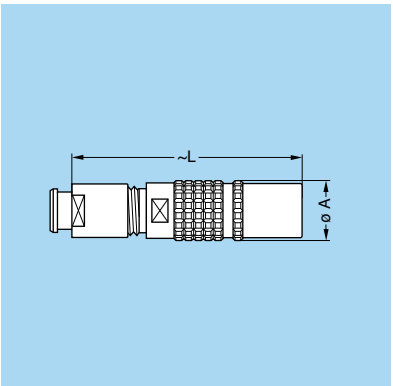
Note: [1)] maximum length with crimp contacts.

PHG Free socket, cable collet



Reference		Dim. (mm)		Cable ø	
Model	Series	A	L	min.	max.
PHG	TT	7.0	32.0	2.4	3.0
PHG	0T	9.5	38.0	1.0	5.0
PHG	1T	12.0	43.5	1.3	6.5
PHG	2T	15.0	52.0	1.3	8.5
PHG	3T	18.8	61.5	2.6	10.5

PHG Free socket, cable collet and nut for fitting a bend relief



Reference		Dim. (mm)		Cable ø	
Model	Series	A	L	min.	max.
PHG	TT	7.0	31.5	2.4	3.0
PHG	0T	9.5	37.0	1.0	5.0
PHG	1T	12.0	42.5	1.3	6.5
PHG	2T	15.0	51.0	1.3	8.5
PHG	3T	18.8	60.0	2.6	10.5

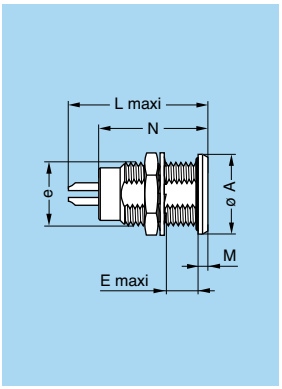
Watertight or vacuumtight models

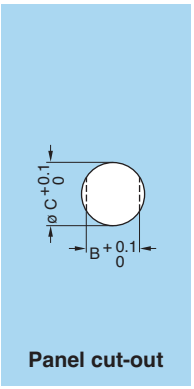
These models are identified by a letter «P» at the end of the reference.
Most of these models are also available in a vacuumtight version. Such models are identified by an additional letter «V» at the end of the part number (certificate on request). Epoxy resin is used to seal these models.

Part Number Example

HGG.0T.305.CLLP (5 contacts, resin potted)
HGG.0T.305.CLLPV (5 contacts, resin potted and vacuumtight)

HGG Fixed socket, nut fixing, watertight or vacuumtight

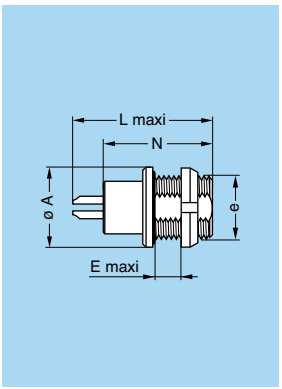


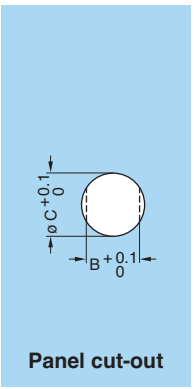


Reference		Dimensions (mm)						Panel cut-out	
Model	Series	A	e	E	L	M	N	B	C
HGG	0T	12.0	M9x0.6	6.5	22.0	1.5	18.5	8.3	9.1
HGG	1T	15.5	M12x1.0	6.0	26.0	1.8	21.5	10.6	12.1
HGG	2T	18.5	M15x1.0	8.0	30.5	2.0	25.0	13.6	15.1

Note: temperature range -20°C / +80°C

HEG Fixed socket, nut fixing, watertight or vacuumtight, back panel mounting

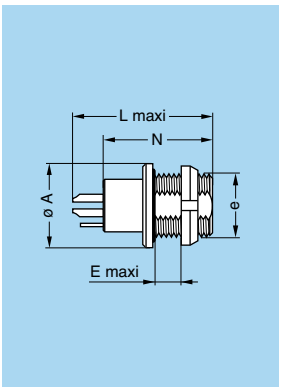


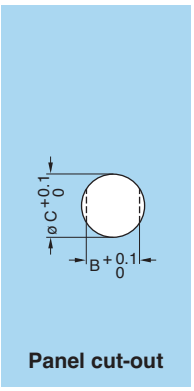


Reference		Dimensions (mm)					Panel cut-out	
Model	Series	A	e	E	L	N	B	C
HEG	0T	12.0	M9x0.6	6.5	22.0	18.5	8.3	9.1
HEG	1T	15.5	M12x1.0	6.5	26.0	21.5	10.6	12.1
HEG	2T	18.5	M15x1.0	7.5	30.5	25.0	13.6	15.1

Note: temperature range -20°C / +80°C

HMG Fixed socket, nut fixing, watertight or vacuumtight, back panel mounting



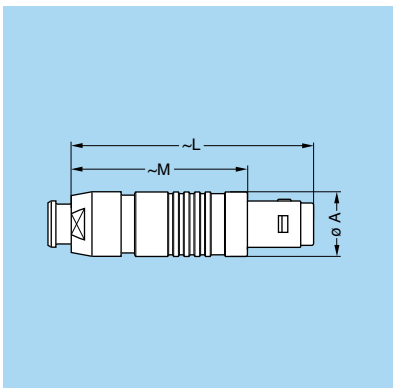


Reference		Dimensions (mm)					Panel cut-out	
Model	Series	A	e	E	L	N	B	C
HMG	0T	12.0	M9x0.6	6.5	22.0	18.5	8.3	9.1
HMG	1T	15.5	M12x1.0	6.5	26.0	21.5	10.6	12.1
HMG	2T	18.5	M15x1.0	7.5	30.5	25.0	13.6	15.1

Note: temperature range -20°C / +80°C

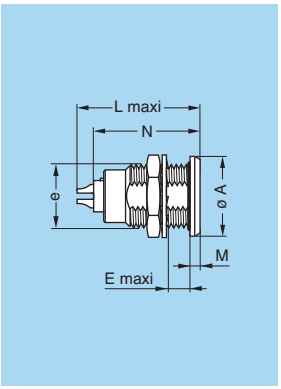
Plastic housing models

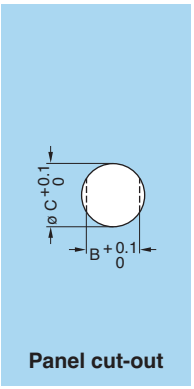
FGG Straight plug, cable collet and nut for fitting a bend relief, POM outer shell



Reference		Dimensions (mm)			Cable ø	
Model	Series	A	L	M	min.	max.
FGG	**0T**	9.7	38.5	28.5	1.0	5.0
FGG	**1T**	13.0	45.0	34.0	1.3	6.5

EGG Fixed socket, nut fixing, POM outer shell



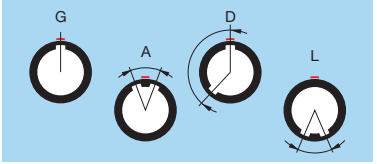


Panel cut-out

Reference		Dimensions (mm)						Panel cut-out	
Model	Series	A	e	E	L	M	N[1)]	B	C
EGG	**0T**	12.0	M9x0.6	6	21.0	1.5	19.1	8.3	9.1
EGG	**1T**	15.5	M12x1.0	6	22.2	1.8	18.5	10.6	12.1

Note: 1) maximum length with crimp contacts.

Alignment Key



Key	Contact type	
	Plug	Socket
G	male	female
A	male	female
D	male	female
L	female	male

Insert configurations

Multipole

	Solder contacts / Crimp contacts		Reference	Series	Contact ø (mm)	Contact type: Solder	Contact type: Crimp	Contact type: Print (straight)	Contact type: Print (elbow)	AWG: Solder (max.)	AWG: Crimp min.	AWG: Crimp max.	Test voltage (kV rms)	Test voltage (kV dc)	Rated current (A)
2			302	TT	0.5	●	●			30	32	28	1.00	0.95	5.0
				0T	0.9	●	●	●	●	22	32	20	1.00	1.05	10.0
				1T	1.3	●	●	●	●	20	26	18	1.50	1.35	15.0
				2T	2.0	●	●	●	●	16	18	12	2.10	1.75	25.0
				3T	3.0	●	●			12	14	10	2.10	1.55	35.0
3			303	TT	0.5	●	●			30	32	28	0.80	0.95	3.0
				0T	0.9	●	●	●	●	22	32	20	1.20	0.90	8.0
				1T	1.3	●	●	●	●	20	26	18	1.30	1.55	12.0
				2T	1.6	●	●	●	●	18	22	14	2.40	1.85	17.0
				3T	2.0	●	●	●		16	18	12	1.90	1.50	25.0
4			304	TT	0.5	●	●			30	32	28	0.80	0.65	2.0
				0T	0.7	●	●	●	●	22	32	22	0.85	0.70	7.0
				1T	0.9	●	●	●	●	22	32	20	1.35	1.45	10.0
				2T	1.3	●	●	●	●	20	26	18	1.85	1.85	15.0
				3T	2.0	●	●	●	●	16	18	12	1.45	1.25	19.0
5			305	0T	0.7	●	●	●	●	22	32	22	1.00	0.70	6.5
				1T	0.9	●	●	●	●	22	32	20	1.25	1.15	9.0
				2T	1.3	●	●	●	●	20	26	18	1.75	1.60	14.0
				3T	1.6	●	●	●		18	22	14	1.90	1.25	19.0
6			306	0T	0.5	●	○[1)]	●	●	28			0.85	0.65	2.5
				1T	0.7	●	●	●	●	22	32	22	1.05	1.20	7.0
6			306	2T	1.3	●	●	●	●	20	26	18	1.35	1.45	12.0
				3T	1.6	●	●	●	●	18	22	14	1.60	1.15	17.0

Note: [1)] available only for connectors fitted with male contacts.

Multipole

	Solder contacts / Crimp contacts		Reference	Series	Contact ø (mm)	Contact type: Solder	Contact type: Crimp	Contact type: Print (straight)	Contact type: Print (elbow)	AWG: Solder (max.)	AWG: Crimp min.	AWG: Crimp max.	Test voltage (kV rms)	Test voltage (kV dc)	Rated current (A)
7			307	0T	0.5	●	○[1)]	●	●	28			0.80	0.70	2.5
				1T	0.7	●	●	●	●	22	32	22	0.95	1.05	7.0
				2T	1.3	●	●	●	●	20	26	18	1.75	1.60	11.0
				3T	1.6	●	●	●		18	22	14	1.70	1.25	15.0
8			308	1T	0.7	●	●	●	●	22	32	22	0.95	1.15	5.0
8			308	2T	0.9	●	●	●	●	22	32	20	1.50	1.25	10.0
				3T	1.3	●	●	●	●	20	26	18	1.65	1.15	13.0
9			309	0T	0.5	●	○[1)]	●	●	28			0.60	0.50	2.0
				3T	8x1.3 1x2.0	●	●	●		20 16	26 18	18 12	1.35	1.05	6.0 15.0
10			310	1T	0.5	●	○[1)]	●	●	28			0.90	1.50	2.5
				2T	0.9	●	●	●	●	22	32	20	1.45	1.30	8.0
				3T	1.3	●	●	●	●	20	26	18	1.25	0.90	12.0
12			312	0T	0.35	●				28			0.80	1.00	1.5
12			312	2T	0.7	●	●	●	●	22	32	22	1.25	1.35	7.0
				3T	0.9	●	●	●	●	22	32	20	1.45	1.00	9.0

Note: [1)] available only for connectors fitted with male contacts.

Multipole

	Solder contacts	Crimp contacts	Reference	Series	Contact ø (mm)	Contact type: Solder	Contact type: Crimp	Contact type: Print (straight)	Contact type: Print (elbow)	AWG: Solder (max.)	AWG: Crimp min.	AWG: Crimp max.	Test voltage (kV rms)	Test voltage (kV dc)	Rated current (A)
14			314	1T	0.5	●		●	●	28			0.80	1.20	2.0
				2T	0.7	●	●	●	●	22	32	22	1.15	1.35	6.5
				3T	0.9	●	●	●	●	22	32	20	1.20	1.20	9.0
16			316	1T	0.5	●		●		28			0.80	1.25	1.5
16			316	2T	0.7	●	●	●	●	22	32	22	0.95	1.25	6.0
				3T	0.9	●	●	●	●	22	32	20	1.20	0.85	8.0
18			318	2T	0.7	●	●	●	●	22	32	22	0.85	1.20	5.5
				3T	0.9	●	●	●	●	22	32	20	1.20	1.05	7.0
19			319	2T	0.7	●	●	●	●	22	32	22	0.95	1.25	5.0
20			320	3T	0.7	●	●	●	●	22	32	22	1.00	0.90	6.0
22			322	3T	0.7	●	●	●		22	32	22	1.00	0.90	5.5

Multipole

	Solder contacts / Crimp contacts		Reference	Series	Contact ø (mm)	Contact type: Solder	Contact type: Crimp	Contact type: Print (straight)	Contact type: Print (elbow)	AWG: Solder (max.)	AWG: Crimp min.	AWG: Crimp max.	Test voltage (kV rms)	Test voltage (kV dc)	Rated current (A)
24			324	3T	0.7	●	●	●	●	22	32	22	0.95	0.80	4.0
26			326	2T	0.5	●		●		28			0.95	1.30	2.0
				3T	0.7	●	●	●		22	32	22	0.95	0.70	4.0
30			330	3T	0.7	●	●	●	●	22	32	22	0.80	0.70	3.5
32			332	2T	0.5	●		●		28			0.80	1.20	1.5

Collets

	Type	Cable ø (mm)	
		min.	max.
TT	C27	2.4	2.6
	C31	2.7	3.0
0T	C10	1.0	1.2
	C15	1.3	1.5
	C20	1.6	2.0
	C25	2.1	2.5
	C30	2.6	3.0
	C35	3.1	3.5
	C40	3.6	4.0
	C45	4.1	4.5
	C50	4.6	5.0

	Type	Cable ø (mm)	
		min.	max.
1T	C15	1.3	1.5
	C20	1.6	2.0
	C25	2.1	2.5
	C30	2.6	3.0
	C35	3.1	3.5
	C40	3.6	4.0
	C45	4.1	4.5
	C50	4.6	5.0
	C55	5.1	5.5
	C60	5.6	6.0
	C65	6.1	6.5

	Type	Cable ø (mm)	
		min.	max.
2T	C15	1.3	1.5
	C20	1.6	2.0
	C25	2.1	2.5
	C30	2.6	3.0
	C35	3.1	3.5
	C40	3.6	4.0
	C45	4.1	4.5
	C50	4.6	5.0
	C55	5.1	5.5
	C60	5.6	6.0
	C65	6.1	6.5
	C70	6.6	7.0
	C75	7.1	7.5
	C80	7.6	8.0
	C85	8.1	8.5

	Type	Cable ø (mm)	
		min.	max.
3T	C30	2.6	3.0
	C35	3.1	3.5
	C40	3.6	4.0
	C45	4.1	4.5
	C50	4.6	5.0
	C55	5.1	5.5
	C60	5.6	6.0
	C65	6.1	6.5
	C70	6.6	7.0
	C75	7.1	7.5
	C80	7.6	8.0
	C85	8.1	8.5
	C90	8.6	9.0
	C95	9.1	9.5
	C10	9.6	10.0
	C11	10.1	10.5

Spare parts

FGG-EGG Insulators for crimp contacts

male

female

	Type	Insulator part number	
		Male contact	Female contact
TT	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
0T	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	–
1T	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	–
2T	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

	Type	Insulator part number	
		Male contact	Female contact
2T	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
3T	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
	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

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 12.

FGG-EGG Crimp contacts

Fig. 1

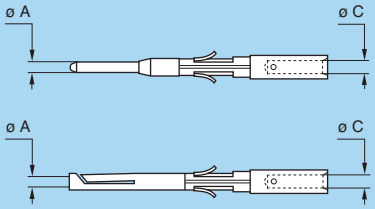
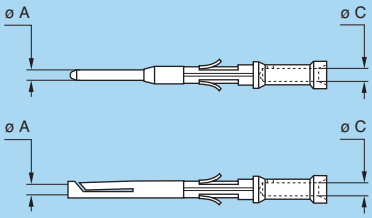


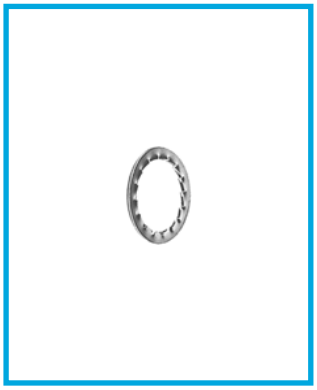
Fig. 2

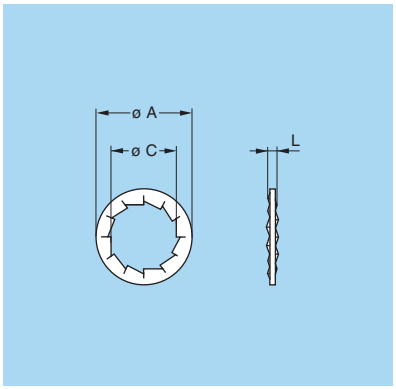


	Types	ø (mm)		Contact part number	
		A	C	Male	Female
TT	302	0.5	0.45	FGG.00.554.ZZC	EGG.00.654.ZZM
	303	0.5	0.45	FGG.00.554.ZZC	EGG.00.654.ZZM
	304	0.5	0.45	FGG.00.554.ZZC	EGG.00.654.ZZM
0T	302/303	0.9	1.10	FGG.0B.560.ZZC	EGG.0B.660.ZZM
	304/305	0.7	0.80	FGG.0B.555.ZZC	EGG.0B.655.ZZM
	306/307/309	0.5	0.45	FGG.0B.554.ZZC	–
1T	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	–
2T	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
3T	302	3.0	3.20	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

	Types	ø (mm)		Contact part number	
		A	C	Male	Female
0T	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
1T	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
2T	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
3T	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
	316/318	0.9	0.45	FGG.3B.562.ZZC	EGG.3B.662.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

GBA Locking washers



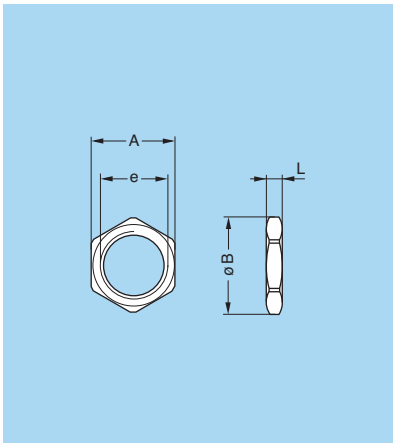


Part number	Series	Dimensions (mm)		
		A	C	L
GBA.00.250.FN	TT	9.5	7.1	1.0
GBA.0S.250.FN	0T	12.5	9.1	1.0
GBA.1S.250.FN	1T	16.0	12.1	1.0
GBA.2S.250.FN	2T	19.5	15.1	1.2
GBA.3S.250.FN	3T	25.0	18.1	1.4

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

- Material: Nickel-plated bronze (3 μm)

GEA Hexagonal nuts



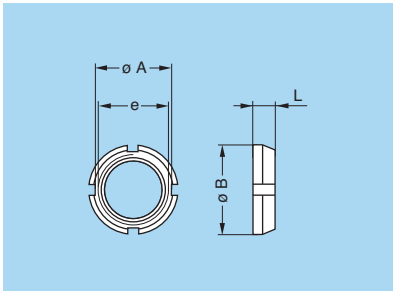
Part number	Series	Dimensions (mm)			
		A	B	e	L
GEA.00.240.LN	TT	9	10.2	M7 x 0.5	2.0
GEA.0S.240.LN	0T	11	12.4	M9 x 0.6	2.0
GEA.1S.240.LN	1T	14	15.8	M12 x 1.0	2.5
GEA.2S.240.LN	2T	17	19.2	M15 x 1.0	2.7
GEA.3S.240.LN	3T	22	25.0	M18 x 1.0	3.0

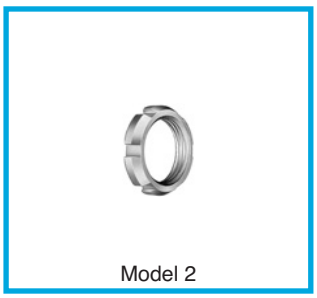
Note: to order this part separately, use the above part numbers. The last letters «LN» of the part number refer to the nut material and treatment. If a nut in aluminium alloy or stainless steel is desired, replace the last letters of the part number by «PT» or «AZ» respectively.
See page 17 for the tooling.

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

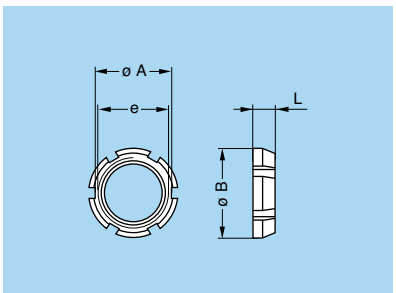
GEG Notched nuts

Model 1





Model 2

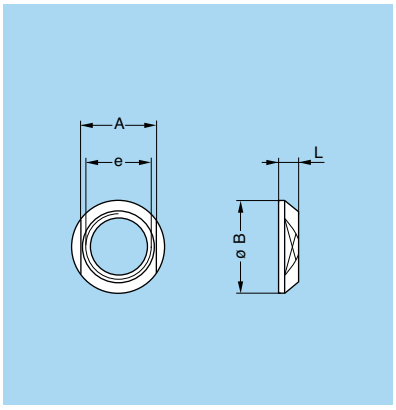


Part number	Series	Dimensions (mm)				Model
		A	B	e	L	
GEG.00.240.LC	TT	8.6	10	M7 x 0.5	2.5	1
GEG.0S.240.LC	0T	10.5	12	M9 x 0.6	2.5	1
GEG.1S.240.LC	1T	14.0	16	M12 x 1.0	3.5	1
GEG.2S.240.LC	2T	17.5	20	M15 x 1.0	3.5	2

Note: TT, 0T, 1T and 2T series fixed and free sockets for back panel mounting are always delivered with this notched nut.
To order this accessory separately, use the above part numbers.
See page 18 for the tooling.

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

GEC Conical nuts



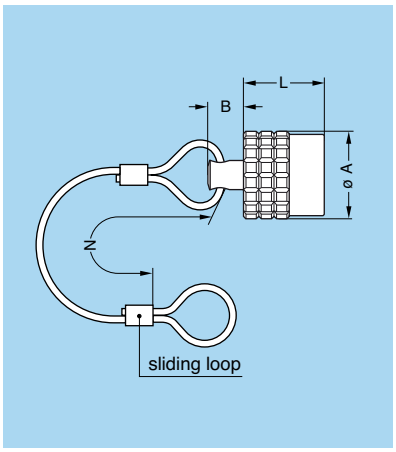
Part number	Series	Dimensions (mm)			
		A	B	e	L
GEC.00.240.LC	TT	8	10	M7 x 0.5	2.5
GEC.0S.240.LC	0T	10	12	M9 x 0.6	2.5
GEC.1S.240.LC	1T	13	16	M12 x 1.0	3.2
GEC.2S.240.LC	2T	17	20	M15 x 1.0	3.8
GEC.3S.240.LC	3T	20	24	M18 x 1.0	4.5

Note: 3T series fixed and free sockets for back panel mounting are always delivered with a conical nut.
To order this accessory separately, use the above part numbers.
See page 17 for the tooling.

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

Accessories

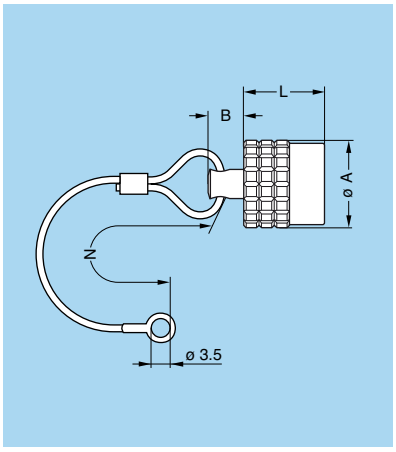
BFG Blanking caps for plugs



Part number	Dimensions (mm)			
	A	B	L	N
BFG.TT.100.CAS	7.0	4.0	9.0	60
BFG.0T.100.CAS	9.5	5.0	11.0	85
BFG.1T.100.CAS	12.0	6.0	12.4	85
BFG.2T.100.CAS	15.0	6.0	13.8	85
BFG.3T.100.CAS	18.8	6.0	17.6	120

- Body material: Chrome-plated brass (Ni 3 μm)
- Lanyard material: Stainless steel
- Crimp ferrule material: Nickel-plated brass + polyolefin
- O-ring material: Silicone
- Maximum operating temperature: 135°C
- Watertightness: IP68 according to IEC 60529

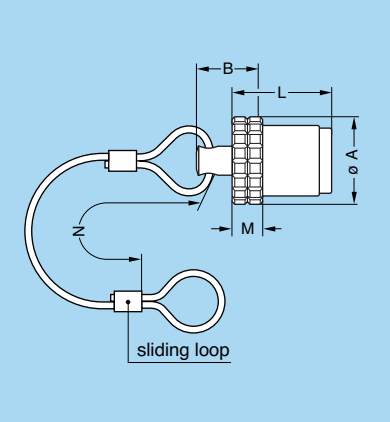
BHG Blanking caps for fixed plugs



Part number	Dimensions (mm)			
	A	B	L	N
BHG.TT.100.CAS	7.0	4.0	9.0	60
BHG.0T.100.CAS	9.5	5.0	11.0	85
BHG.1T.100.CAS	12.0	6.0	12.4	85
BHG.2T.100.CAS	15.0	6.0	13.8	85
BHG.3T.100.CAS	18.8	6.0	17.6	120

- Body material: Chrome-plated brass (Ni 3 μm)
- Lanyard material: Stainless steel
- Crimp ferrule material: Nickel-plated brass + polyolefin
- O-ring material: Silicone
- Maximum operating temperature: 135°C
- Watertightness: IP68 according to IEC 60529

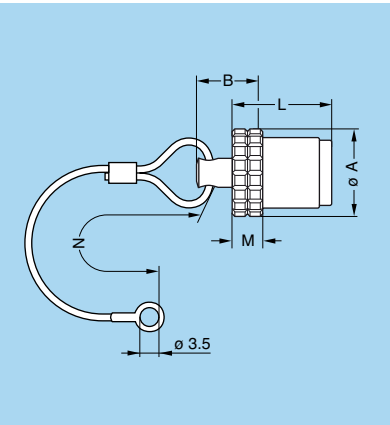
BRF Blanking caps for free sockets



Part number	Dimensions (mm)				
	A	B	L	M	N
BRF.TT.200.CAZ	7.0	6.5	10.5	2.5	60
BRF.0T.200.CAZ	9.5	7.7	12.7	2.7	85
BRF.1T.200.CAZ	12.0	9.5	14.4	3.5	85
BRF.2T.200.CAZ	15.0	10.4	16.3	4.4	85
BRF.3T.200.CAZ	18.8	11.4	20.2	5.4	120

- Body material: Chrome-plated brass (Ni 3 µm)
- Lanyard material: Stainless steel
- Crimp ferrule material: Nickel-plated brass + polyolefin
- Maximum operating temperature: 135°C
- Watertightness: IP68 according to IEC 60529

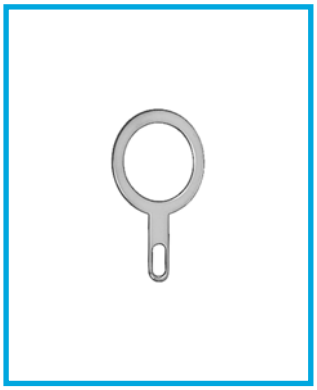
BRE Blanking caps for sockets

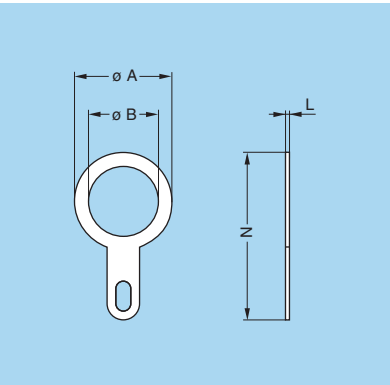


Part number	Dimensions (mm)				
	A	B	L	M	N
BRE.TT.200.CAZ	7.0	6.5	10.5	2.5	60
BRE.0T.200.CAZ	9.5	7.7	12.7	2.7	85
BRE.1T.200.CAZ	12.0	9.5	14.4	3.5	85
BRE.2T.200.CAZ	15.0	10.4	16.3	4.4	85
BRE.3T.200.CAZ	18.8	11.4	20.2	5.4	120

- Body material: Chrome-plated brass (Ni 3 µm)
- Lanyard material: Stainless steel
- Crimp ferrule material: Nickel-plated brass + polyolefin
- Maximum operating temperature: 135°C
- Watertightness: IP68 according to IEC 60529

GCA Earthing washers

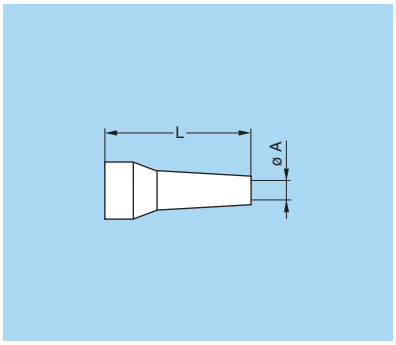




Part number	Series	Dimensions (mm)			
		A	B	L	N
GCA.00.255.LT	TT	9.5	7.1	0.4	18.2
GCA.0S.255.LT	0T	13.0	9.1	0.4	22.0
GCA.1S.255.LT	1T	17.0	12.2	0.5	27.5
GCA.2S.255.LT	2T	20.0	15.2	0.5	32.0
GCA.3S.255.LT	3T	25.0	18.2	0.5	39.0

- Material: CuSnZn plated brass (2 µm)

Bend relief (TPU)



A bend relief made from thermoplastic polyurethane elastomer can be fitted over LEMO plugs and sockets that are supplied with nut for fitting such bend relief.
They are available in nine different colours that match with the GRA insulating washers.
Use the part numbers shown below to order this accessory separately.

	Part number	Bend relief		Cable ø	
		A	L	min.	max.
TT	GMA.00.012.DG	1.2	22	1.1	1.4
	GMA.00.018.DG	1.8	22	1.8	2.1
	GMA.00.025.DG	2.5	22	2.5	2.8
	GMA.00.028.DG	2.8	22	2.8	3.1
	GMA.00.032.DG	3.2	22	3.2	3.5
	GMD.00.025.DG	2.5	22	2.5	2.8
	GMD.00.028.DG	2.8	22	2.8	3.1
0T	GMA.0B.025.DG	2.5	24	2.5	2.9
	GMA.0B.030.DG	3.0	24	3.0	3.4
	GMA.0B.035.DG	3.5	24	3.5	3.9
	GMA.0B.040.DG	4.0	24	4.0	4.4
	GMA.0B.045.DG	4.5	24	4.5	5.2
1T	GMA.1B.025.DG	2.5	30	2.5	2.9
	GMA.1B.030.DG	3.0	30	3.0	3.4
	GMA.1B.035.DG	3.5	30	3.5	3.9
	GMA.1B.040.DG	4.0	30	4.0	4.4
	GMA.1B.045.DG	4.5	30	4.5	4.9
	GMA.1B.054.DG	5.4	30	5.4	6.0
	GMA.1B.065.DG	6.5	30	6.5	7.0

	Part number	Bend relief		Cable ø	
		A	L	min.	max.
2T	GMA.2B.040.DG	4.0	36	4.0	4.5
	GMA.2B.045.DG	4.5	36	4.5	5.0
	GMA.2B.050.DG	5.0	36	5.0	5.5
	GMA.2B.060.DG	6.0	36	6.0	6.5
	GMA.2B.070.DG	7.0	36	7.0	7.7
	GMA.2B.080.DG	7.8	36	7.8	8.8
3T	GMA.3B.050.DG	4.5	42	4.5	5.2
	GMA.3B.060.DG	6.0	42	6.0	6.9
	GMA.3B.070.DG	7.0	42	7.0	7.9
	GMA.3B.080.DG	8.0	42	8.0	8.9
	GMA.3B.090.DG	9.0	42	9.0	10.0

Note: all dimensions are in millimetres.

Ref.	Colour
A	blue
B	white
G	grey

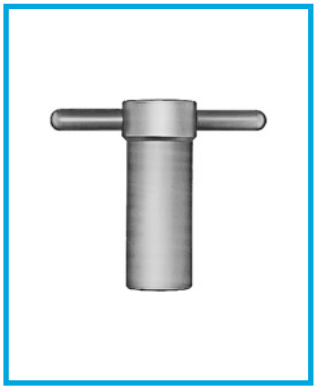
Ref.	Colour
J	yellow
M	brown
N	black

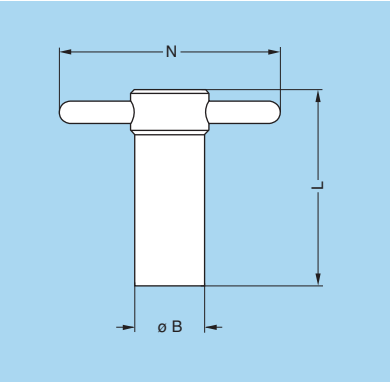
Ref.	Colour
R	red
S	orange
V	green

Note: the last letter «G» of the part number indicates the grey colour of the bend relief. For ordering a bend relief with another colour, see table above and replace the letter «G» by the letter of the required colour.

Tooling

DCG Spanners for hexagonal nuts

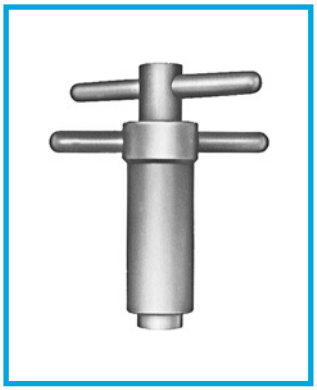


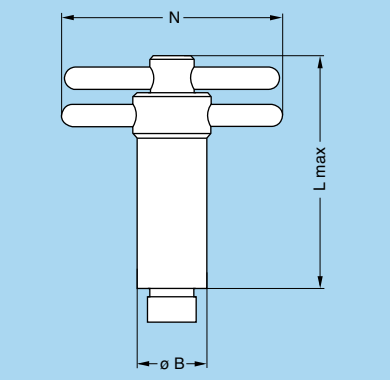


Part number	Series	Dimensions (mm)			Part number of the nut
		B	L	N	
DCG.91.149.0TN	TT	14	40	50	GEA.00.240.LN
DCG.91.161.1TN	0T	16	45	52	GEA.0S.240.LN
DCG.91.201.4TN	1T	20	52	65	GEA.1S.240.LN
DCG.91.231.7TN	2T	23	62	68	GEA.2S.240.LN
DCG.91.282.2TN	3T	28	76	73	GEA.3S.240.LN

- Material: blackened steel

DCA Spanners for hexagonal nuts with locator for flats on socket thread

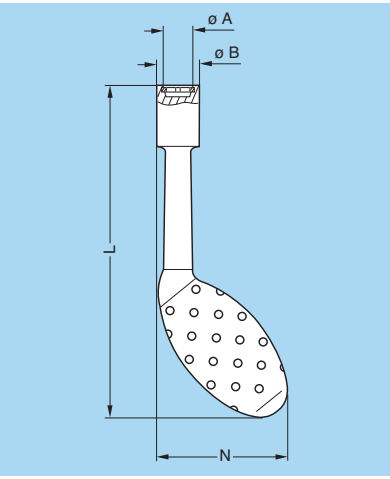




Part number	Series	Dimensions (mm)			Part number of the nut
		B	L	N	
DCA.91.149.0TN	TT	14	65	50	GEA.00.240.LN
DCA.91.161.1TN	0T	16	73	52	GEA.0S.240.LN
DCA.91.201.4TN	1T	20	85	65	GEA.1S.240.LN
DCA.91.231.7TN	2T	23	100	68	GEA.2S.240.LN
DCA.91.282.2TN	3T	28	120	73	GEA.3S.240.LN

- Material: blackened steel

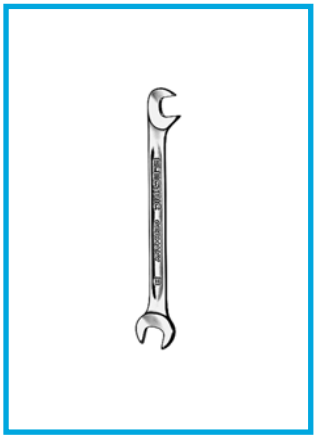
DCH Spanners for conical nuts

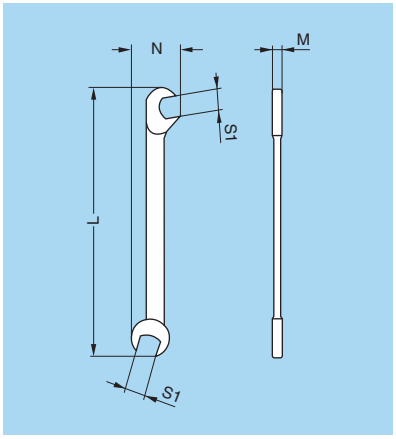


Part number	Series	Dimensions (mm)				Part number of the nut
		A	B	L	N	
DCH.91.101.PN	TT	10.1	12.8	124	48.3	GEC.00.240.LC
DCH.91.121.PN	0T	12.1	14.8	124	49.3	GEC.0S.240.LC
DCH.91.161.PN	1T	16.1	21.0	124	51.9	GEC.1S.240.LC
DCH.91.201.PN	2T	20.1	22.8	129	53.5	GEC.2S.240.LC

- Material: dark grey polyurethane

DCP Flat spanners for TT collet nut

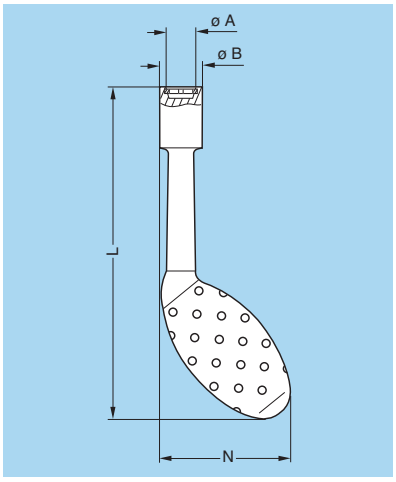




Part number	Dimensions (mm)			
	L	M	N	S1
DCP.99.050.TC	78	2	12.6	5.0
DCP.99.055.TC	78	2	12.6	5.5
DCP.99.060.TC	78	2	12.6	6.0

- Material: chrome-plated steel

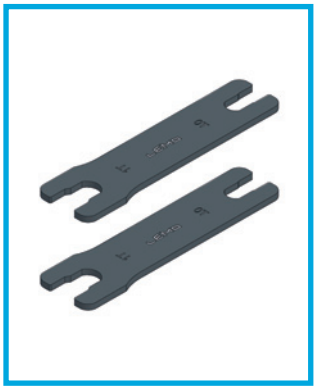
DCH Spanners for notched nuts

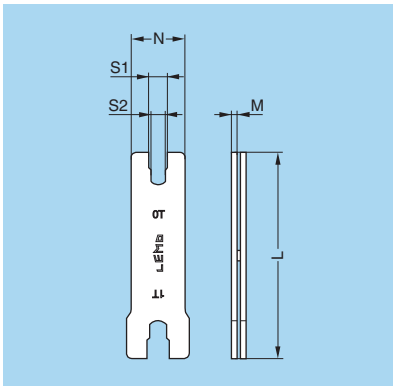


Part number	Series	Dimensions (mm)				Part number of the nut
		A	B	L	N	
DCH.91.101.PA	TT	10.1	12.8	124	48.3	GEG.00.240.LC
DCH.91.121.PA	0T	12.1	14.8	124	49.3	GEG.0S.240.LC
DCH.91.161.PA	1T	16.1	21.0	124	51.9	GEG.1S.240.LC
DCH.91.201.PA	2T	20.1	22.8	129	53.5	GEG.2S.240.LC

- Material: blue polyurethane

DCP Set of flat spanners for collet nuts





Part number	Series	Dimensions (mm)				
		L	M	N	S1	S2
DCP.0T.110.TN	0T	95	2.5	21	7.55	7.05
DCP.0T.110.TN	1T	95	2.5	25	11.05	9.05
DCP.2T.110.TN	2T	115	3.0	30	14.05	12.05
DCP.2T.110.TN	3T	115	3.0	35	16.05	14.05

- Material: blackened steel

Crimping tools for electrical contacts

Manual crimping tools

Fig. A

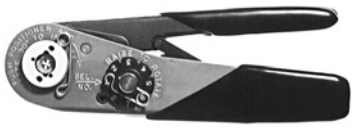
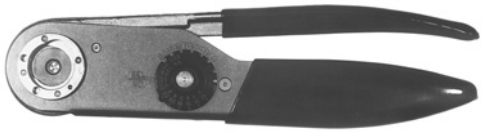


Fig. B



Part number			Supplier
contact ø 0.5-0.7 0.9-1.3 (Fig. A)	contact ø 1.6-2.0 (Fig. B)	contact ø 3.0-4.0 (Fig. B)	
DPC.91.701.V[1)]	**DPC.91.101.A**[2)]	**DPC.91.102.V**	LEMO
MH860[1)]	**AF8**[2)]	**M300BT**	DANIELS
616336[1)]	**615708**[2)]	**–**	ASTRO

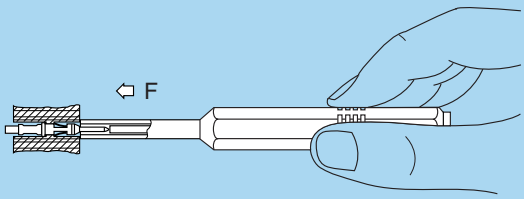
[1)] According to specification MIL-C-22520/7-01.
[2)] According to specification MIL-C-22520/1-01.

Pneumatic crimping tools

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

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

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



Testing tool part number		Contact ø A	Test force (N)
For male contact	For female contact		
DCK.91.050.8LRC	**DCK.91.050.8LRM**	0.5	8
DCK.91.071.0LRC	**DCK.91.071.0LRM**	0.7	10
DCK.91.091.4LRC	**DCK.91.091.4LRM**	0.9	14
DCK.91.132.5LRC	**DCK.91.132.5LRM**	1.3	25

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

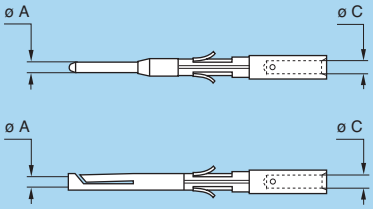
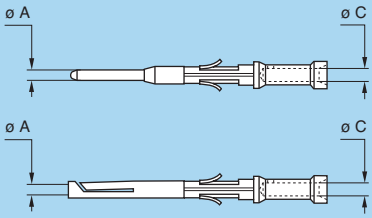


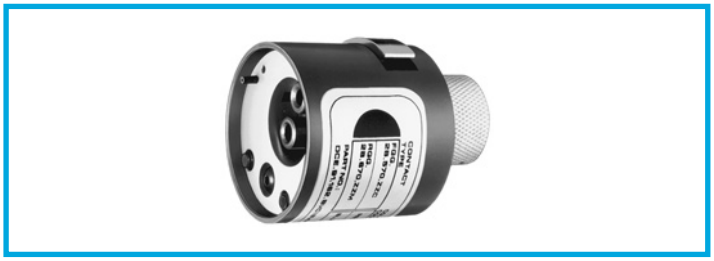
Fig. 2



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.

	Types	ø (mm) A	ø (mm) C	Fig.	Conductor AWG	Positioners part number For male contact	Positioners part number For female contact
TT	302	0.5	0.45	1	28-30-32	DCE.91.050.0VC	DCE.91.050.0VM
	303	0.5	0.45	1	28-30-32	DCE.91.050.0VC	DCE.91.050.0VM
	304	0.5	0.45	1	28-30-32	DCE.91.050.0VC	DCE.91.050.0VM
0T	302/303	0.9	1.10	1	20-22-24	DCE.91.090.BVC	DCE.91.090.BVM
	302/303	0.9	0.80	2	22-24-26	DCE.91.090.BVC	DCE.91.090.BVM
	302/303	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
	304/305	0.7	0.45	2	28-30-32	DCE.91.070.BVC	DCE.91.070.BVM
	306/307/309	0.5	0.45	1	28-30-32	DCE.91.050.BVC	DCE.91.050.BVM
1T	302/303	1.3	1.40	1	18-20	DCE.91.131.BVC	DCE.91.131.BVM
	302/303	1.3	1.10	2	20-22-24	DCE.91.131.BVC	DCE.91.131.BVM
	304/305	0.9	1.10	1	20-22-24	DCE.91.091.BVC	DCE.91.091.BVM
	304/305	0.9	0.80	2	22-24-26	DCE.91.091.BVC	DCE.91.091.BVM
	306/307/308	0.7	0.80	1	22-24-26	DCE.91.071.BVC	DCE.91.071.BVM
	306/307/308	0.7	0.45	2	28-30-32	DCE.91.071.BVC	DCE.91.071.BVM
	310/314/316	0.5	0.45	1	28-30-32	DCE.91.051.BVC	DCE.91.051.BVM
2T	304/305/306/307	1.3	1.40	1	18-20	DCE.91.132.BVC	DCE.91.132.BVM
	304/305/306/307	1.3	1.10	2	20-22-24	DCE.91.132.BVC	DCE.91.132.BVM
	304/305/306/307	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
	308/310	0.9	0.80	2	22-24-26	DCE.91.092.BVC	DCE.91.092.BVM
	308/310	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
	312/314/316/318/319	0.7	0.45	2	28-30-32	DCE.91.072.BVC	DCE.91.072.BVM
3T	308/309/310	1.3	1.40	1	18-20	DCE.91.133.BVC	DCE.91.133.BVM
	308/309/310	1.3	1.10	2	20-22-24	DCE.91.133.BVC	DCE.91.133.BVM
	312/314/316/318	0.9	1.10	1	20-22-24	DCE.91.093.BVC	DCE.91.093.BVM
	312/314/316/318	0.9	0.80	2	22-24-26	DCE.91.093.BVC	DCE.91.093.BVM
	320/322/324/326/330	0.7	0.80	1	22-24-26	DCE.91.073.BVC	DCE.91.073.BVM
	320/322/324/326/330	0.7	0.45	2	28-30-32	DCE.91.073.BVC	DCE.91.073.BVM

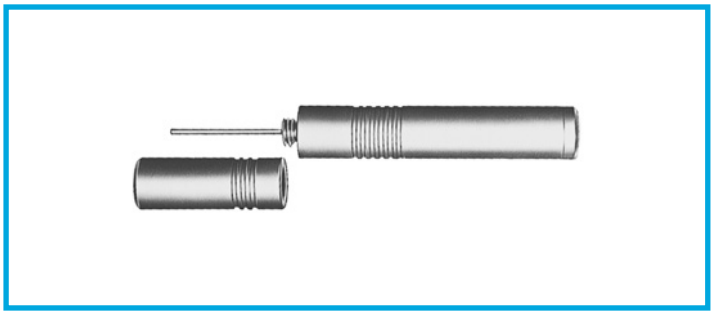
DCE Turret for crimp contacts 1.6-2.0-3.0 and 4.0 mm diameter

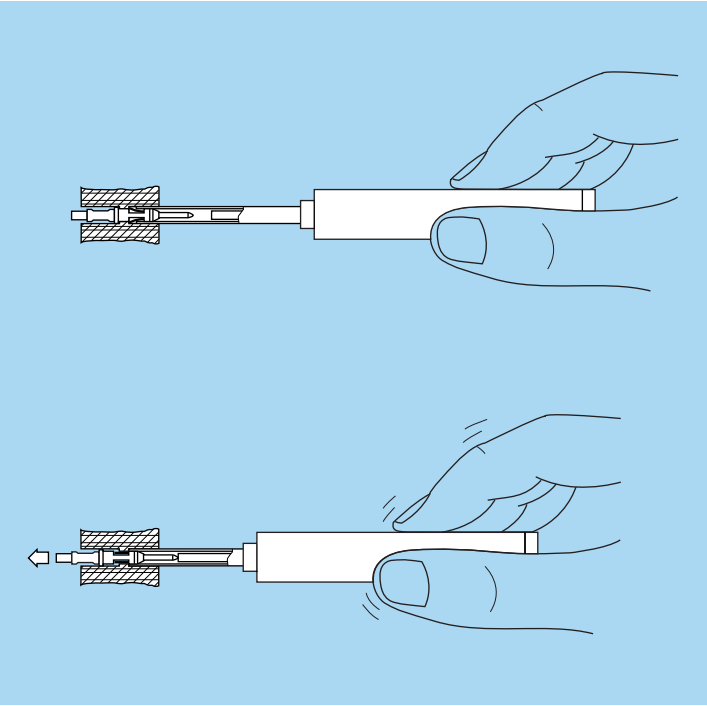


Note: these turrets can be used with manual crimping tool according to MIL-C-22520/1-01 standard.

	Types	ø (mm) A	ø (mm) C	Fig.	Conductor AWG	Positioners part number
2T	302	2.0	2.4	1	12-14-16	DCE.91.202.BVCM
	302	2.0	1.9	2	14-16-18	DCE.91.202.BVCM
	303	1.6	1.9	1	14-16-18	DCE.91.162.BVCM
	303	1.6	1.4	2	18-20-22	DCE.91.162.BVCM
3T	302	3.0	3.2	1	10-12-14	DCE.91.303.BVCM
	303/304/309	2.0	2.4	1	12-14-16	DCE.91.203.BVCM
	303/304/309	2.0	1.9	2	14-16-18	DCE.91.203.BVCM
	305/306/307	1.6	1.9	1	14-16-18	DCE.91.163.BVCM
	305/306/307	1.6	1.4	2	18-20-22	DCE.91.163.BVCM

DCF Automatic extraction tools for crimp contacts





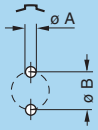
	Types	Contact ø A (mm)	Extractors part number for male and female contacts
TT	302	0.5	DCF.91.050.2LT
	303	0.5	DCF.91.050.2LT
	304	0.5	DCF.91.050.2LT
0T	302/303	0.9	DCF.91.090.2LT
	304/305	0.7	DCF.92.070.3LT
	306/307/309	0.5	DCF.91.050.2LT
1T	302/303	1.3	DCF.91.131.2LT
	304/305	0.9	DCF.91.090.2LT
	306/307/308	0.7	DCF.91.070.2LT
	310/314/316	0.5	DCF.91.050.2LT
2T	302	2.0	DCC.91.202.5LA[1)]
	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
3T	302	3.0	DCF.91.303.5LT
	303/304/309	2.0	DCC.91.202.5LA[1)]
	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

Note: [1)] this model is thumb-operated.

PCB drilling pattern

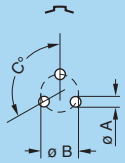
Fixed socket with straight print contact

302



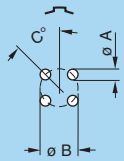
Series	Dimensions	
	A	B
0T	0.8	2.2
1T	0.8	2.8
2T	0.8	4.4

303



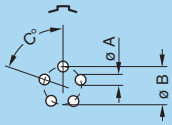
Series	Dimensions		
	A	B	C
0T	0.8	2.3	120°
1T	0.8	3.0	120°
2T	0.8	4.6	120°
3T	0.8	5.6	120°

304



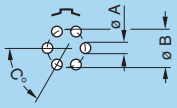
Series	Dimensions		
	A	B	C
0T	0.6	2.5	45°
1T	0.8	3.1	45°
2T	0.8	5.0	45°
3T	0.8	6.2	45°

305



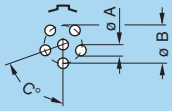
Series	Dimensions		
	A	B	C
0T	0.6	2.8	72°
1T	0.8	3.4	72°
2T	0.8	5.2	72°
3T	0.8	6.7	72°

306



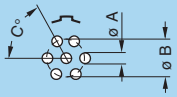
Series	Dimensions		
	A	B	C
0T	0.6	3.0	60°
1T	0.8	3.7	60°

306



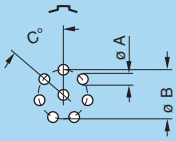
Series	Dimensions		
	A	B	C
2T	0.8	5.6	72°
3T	0.8	7.1	72°

307



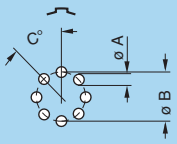
Series	Dimensions		
	A	B	C
0T	0.6	3.00	60°
1T	0.8	3.70	60°
2T	0.8	5.80	60°
3T	0.8	7.08	60°

308



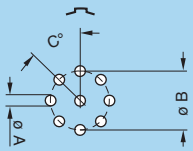
Series	Dimensions		
	A	B	C
1T	0.8	3.8	51°26’

308



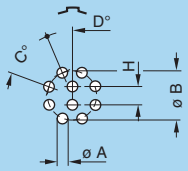
Series	Dimensions		
	A	B	C
2T	0.8	6.4	45°
3T	0.8	7.5	45°

309



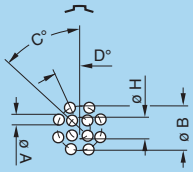
Series	Dimensions		
	A	B	C
0T	0.6	3.2	45°
3T	0.8	7.5	45°

310



Series	Dimensions				
	A	B	C	D	H
1T	0.6	3.95	45°	22°30’	1.40
2T	0.8	6.30	45°	22°30’	2.15
3T	0.8	7.90	45°	22°30’	2.80

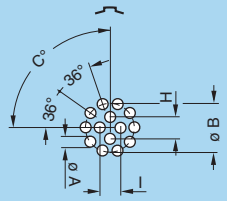
312



Series	Dimensions				
	A	B	C	D	H
2T	0.8	6.50	45°	22°30’	2.80
3T	0.8	8.20	45°	22°30’	3.40

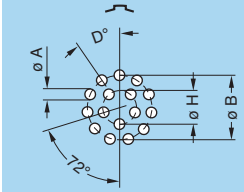
Note: all views are from the side of the socket.

314



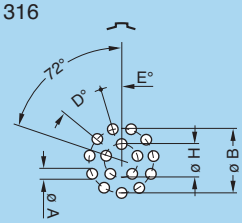
Series	Dimensions				
	A	B	C	H	I
1T	0.6	4.4	90°	1.90	1.80
2T	0.8	6.5	90°	2.65	2.65
3T	0.8	8.2	90°	3.40	3.40

316



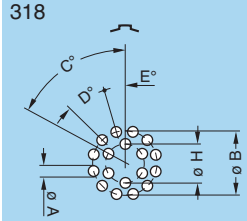
Series	Dimensions			
	A	B	D	H
1T	0.6	4.4	32°44'	2.0

316



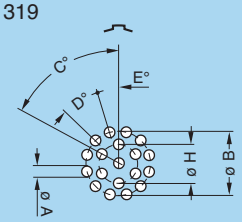
Series	Dimensions					
	A	B	D	E	H	
2T	0.8	6.6	32°44'	16°22'	3.10	
3T	0.8	8.4	32°44'	16°22'	3.86	

318



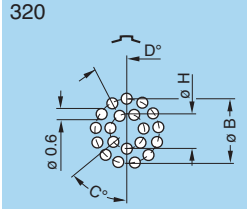
Series	Dimensions					
	A	B	C	D	E	H
2T	0.8	6.7	60°	30°	15°	3.50
3T	0.8	8.4	60°	30°	15°	4.34

319



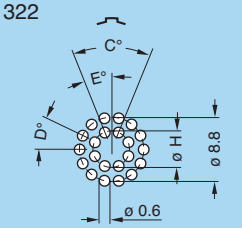
Series	Dimensions					
	A	B	C	D	E	H
2T	0.8	6.7	60°	30°	15°	3.5

320



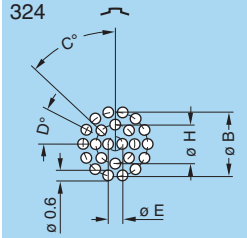
Series	Dimensions			
	B	C	D	H
3T	8.62	51°26'	27°42'	4.78

322



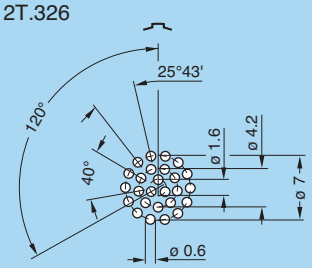
Series	Dimensions			
	C	D	E	H
3T	45°	25°43'	22°30'	5

324

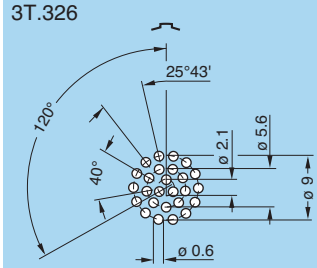


Series	Dimensions				
	B	C	D	E	H
3T	8.8	45°	25°43'	1.8	5.30

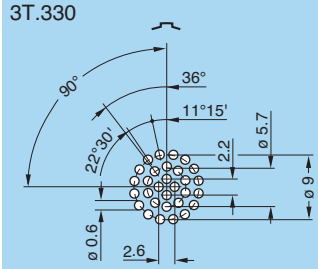
2T.326



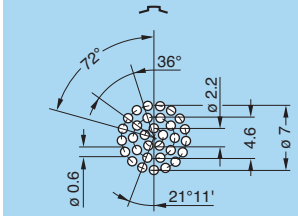
3T.326



3T.330

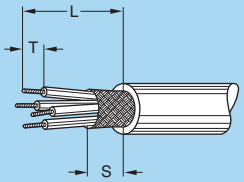


2T.332



Note: all views are from the side of the socket.

Cable assembly



	Reference	ø contact (mm)	Cable stripping lengths (mm)					
			Solder			Crimp		
			L	S	T	L	S	T
TT	302	0.5	8.0	4	2.5	11.0	4	3.0
	303	0.5	8.0	4	2.5	11.0	4	3.0
	304	0.5	8.0	4	2.5	11.0	4	3.0
0T	302/303	0.9	9.0	5	4.0	9.0	5	4.0
	304/305	0.7	8.0	5	3.5	9.0	5	4.0
	306/307/309	0.5	7.0	5	2.5			
	312	0.35	7.0	5	2.5			
1T	302/303	1.3	10.5	7	3.5	14.5	7	4.0
	304/305	0.9	10.5	7	3.0	14.5	7	4.0
	306/307/308	0.7	10.5	7	3.0	14.5	7	4.0
	310/314/316	0.5	13.0	7	2.5			
2T	302	2.0	16.5	8	4.0	19.5	8	5.5
	303	1.6	16.5	8	3.5	19.5	8	5.5
	304/305/306/307	1.3	15.5	8	3.5	17.5	8	4.0
	308/310	0.9	14.5	8	3.0	17.5	8	4.0
	312/314/316/318/319	0.7	14.5	8	3.0	17.5	8	4.0
	326/332	0.5	14.5	8	2.5			
3T	302	3.0	19.0	10	4.5	23.0	10	5.5
	303/304	2.0	18.0	10	4.0	22.0	10	5.5
	305/306/307	1.6	18.0	10	3.5	22.0	10	5.5
	308/310	1.3	17.0	10	3.5	20.0	10	4.0
	309	1.3 2.0	17.0	10	3.5 4.0	20.0	10	4.0 5.5
	312/314/316/318	0.9	16.0	10	3.0	20.0	10	4.0
	320/322/324/326/330	0.7	16.0	10	3.0	20.0	10	4.0

Product safety notice

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

1. **SHOCK AND FIRE HAZARD**
   Incorrect wiring, the use of damaged components, presence of foreign objects (such as metal debris), and / or 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 CE means that the appliance or equipment bearing it complies with the protection requirements of one or several European safety directives.
   CE marking applies to complete products or equipment, **but not 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.

Data subject to change

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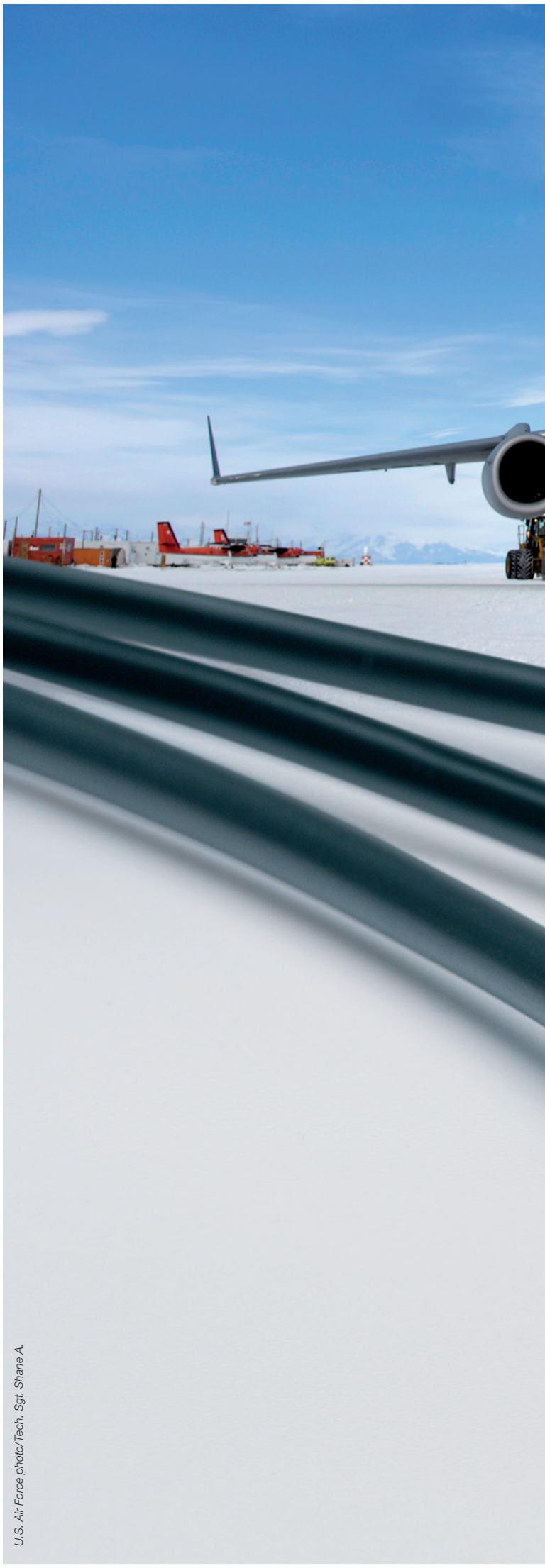

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