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T SERIES

IP 68 PUSH-PULL CONNECTORS





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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) [3]	IP68/IP66	IEC 60529
Latching retention force (average value)	From 85 N up to 300 N (depending of the size)	–
Climatical category	50/175/21	IEC 60068-1

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	> 75 dB at 10 MHz / > 40 dB at 1 GHz	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

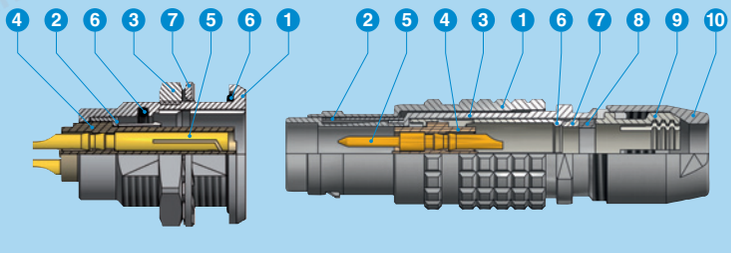
Insulators

Material	Contact type
PEEK	Crimp, solder or print

Part Section Showing Internal Components

Fixed socket

1. outer shell
2. earthing crown
3. hexagonal nut
4. insulator
5. female contact
6. o-ring
7. locking washer



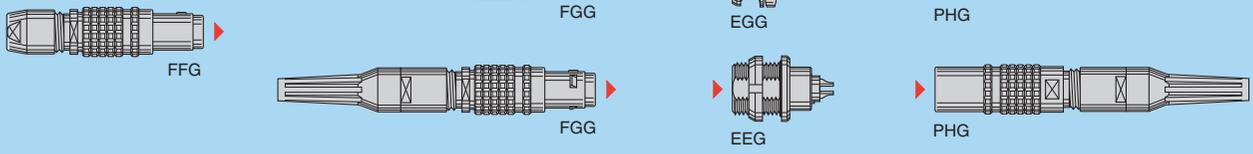
Straight plug

1. outer shell
2. latch sleeve
3. inner shell
4. insulator
5. male contact
6. split insert carrier
7. earthing cone
8. gasket
9. collet
10. collet nut

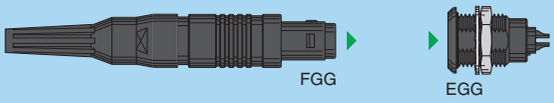
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Interconnections

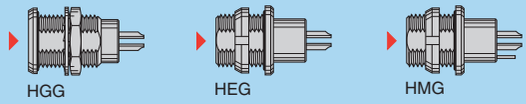
Chrome-plated housing models (page 2)



Plastic housing models (page 5)

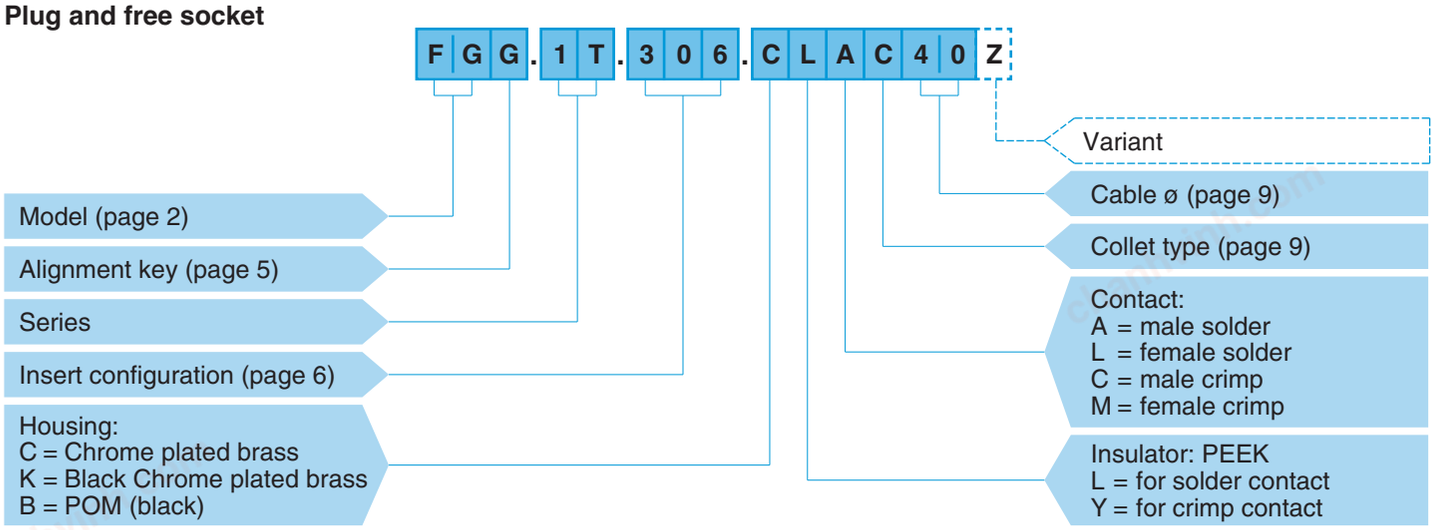


Watertight or vacuumtight models (page 4)



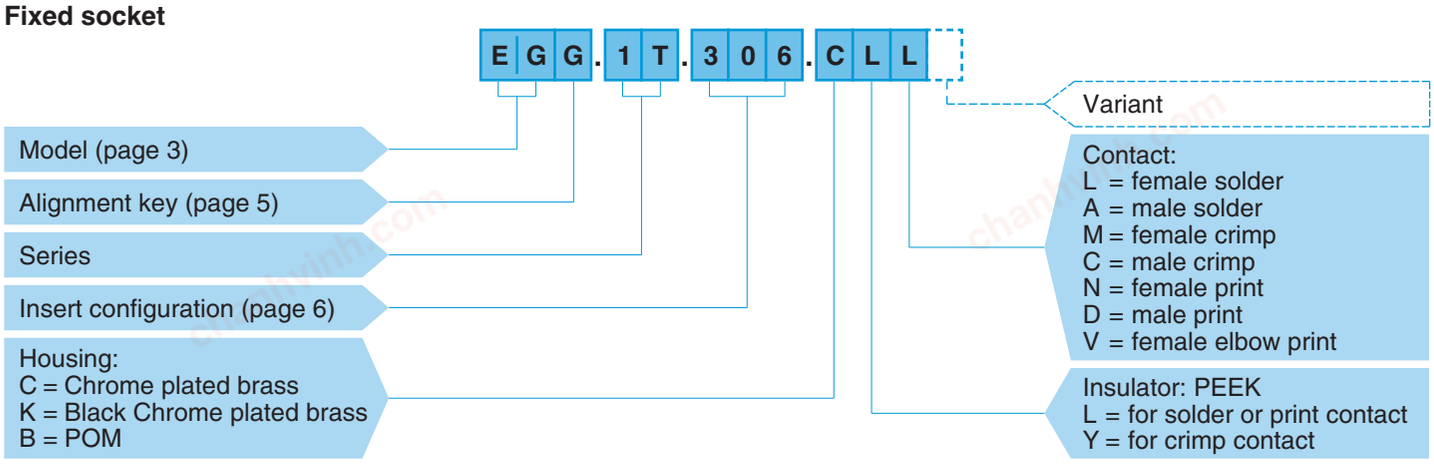
Part Numbering System

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.

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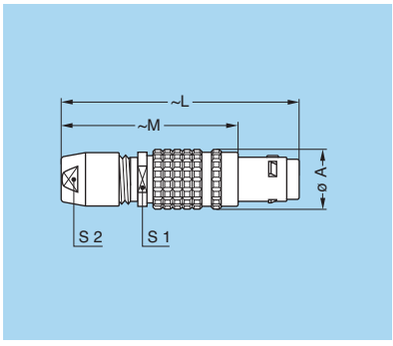
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Chrome-plated housing models

FGG Straight plug, cable collet

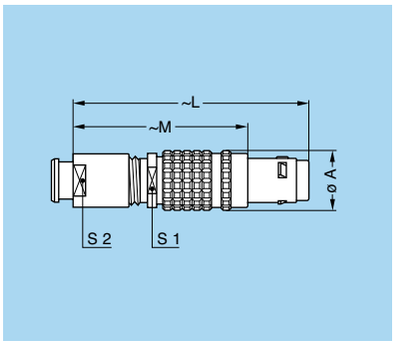




Reference		Dimensions (mm)					Cable ø	
Model	Series	A	L	M	S1	S2	min.	max.
FGG	TT	7.0	33.2	25.2	5.5	5	2.4	3.0
FGG	0T	9.5	39.0	29.0	7.5	7	1.0	5.0
FGG	1T	12.0	46.0	35.0	11.0	9	1.3	6.5
FGG	2T	15.0	55.0	43.0	14.0	12	1.3	8.5
FGG	3T	18.8	64.0	49.0	16.0	14	2.6	10.5

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

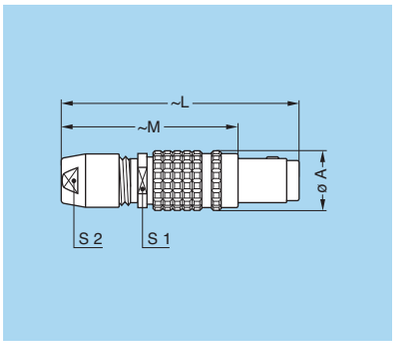




Reference		Dimensions (mm)					Cable ø	
Model	Series	A	L	M	S1	S2	min.	max.
FGG	TT	7.0	32.7	24.7	5.5	6	2.4	3.0
FGG	0T	9.5	38.0	28.0	7.5	7	1.0	5.0
FGG	1T	12.0	45.0	34.0	11.0	9	1.3	6.5
FGG	2T	15.0	54.0	42.0	14.0	12	1.3	8.5
FGG	3T	18.8	62.0	47.0	16.0	15	2.6	10.5

FFG Straight plug, non latching, cable collet

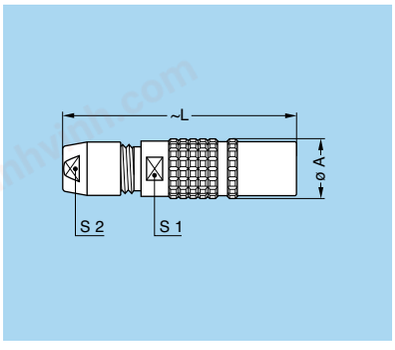




Reference		Dimensions (mm)					Cable ø	
Model	Series	A	L	M	S1	S2	min.	max.
FFG	TT	7.0	33.2	25.2	5.5	5	2.4	3.0
FFG	0T	9.5	39.0	29.0	7.5	7	1.0	5.0
FFG	1T	12.0	46.0	35.0	11.0	9	1.3	6.5
FFG	2T	15.0	55.0	43.0	14.0	12	1.3	8.5
FFG	3T	18.8	64.0	49.0	16.0	14	2.6	10.5

PHG Free socket, cable collet





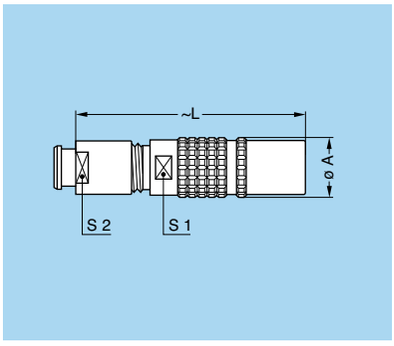
Reference		Dimensions (mm)				Cable ø	
Model	Series	A	L	S1	S2	min.	max.
PHG	TT	7.0	32.0	5.5	5	2.4	3.0
PHG	0T	9.5	38.0	7.5	7	1.0	5.0
PHG	1T	12.0	43.5	11.0	9	1.3	6.5
PHG	2T	15.0	52.0	14.0	12	1.3	8.5
PHG	3T	18.8	61.5	16.0	14	2.6	10.5

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

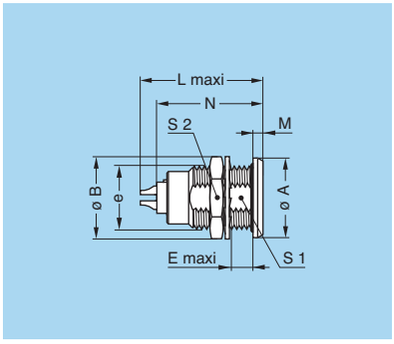




Reference		Dimensions (mm)				Cable ø	
Model	Series	A	L	S1	S2	min.	max.
PHG	TT	7.0	31.5	5.5	6	2.4	3.0
PHG	0T	9.5	37.0	7.5	7	1.0	5.0
PHG	1T	12.0	42.5	11.0	9	1.3	6.5
PHG	2T	15.0	51.0	14.0	12	1.3	8.5
PHG	3T	18.8	60.0	16.0	15	2.6	10.5

EGG Fixed socket, nut fixing



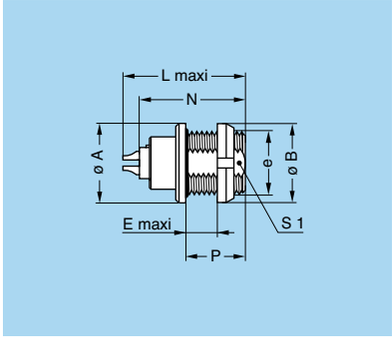


Reference		Dimensions (mm)								
Model	Series	A	B	e	E	L	M	N[1)]	S1	S2
EGG	TT	10.0	10.2	M7x0.5	5.5	16.0	1.2	13.5	6.3	9
EGG	0T	12.0	12.5	M9x0.6	6.0	21.0	1.5	19.1	8.2	11
EGG	1T	15.5	16.0	M12x1.0	6.0	23.0	1.8	21.5	10.5	14
EGG	2T	18.5	19.6	M15x1.0	7.5	26.5	1.8	24.6	13.5	17
EGG	3T	23.5	25.1	M18x1.0	9.6	30.1	2.5	25.0	16.5	22

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

EEG Fixed socket, nut fixing, back panel mounting

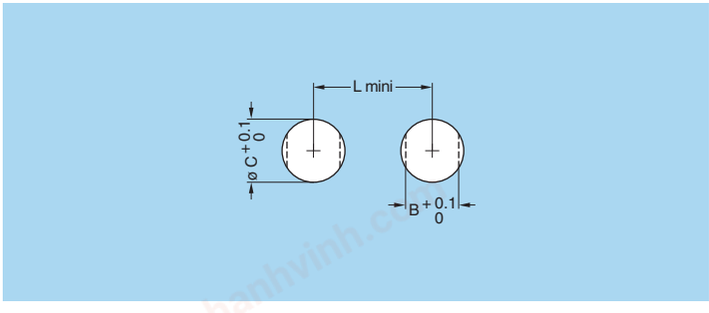




Reference		Dimensions (mm)							
Model	Series	A	B	e	E	L	N[1)]	P	S1
EEG	TT	10.0	10.0	M7x0.5	4.5	16.0	13.5	7	6.3
EEG	0T	12.0	12.0	M9x0.6	6.5	21.0	19.1	9	8.2
EEG	1T	15.5	16.0	M12x1.0	6.5	23.0	21.5	10	10.5
EEG	2T	18.5	20.0	M15x1.0	7.5	26.5	24.6	11	13.5
EEG	3T	23.5	24.0	M18x1.0	7.5	30.1	25.0	12	16.5

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

Panel cut-out



Reference		Panel cut-out			Mounting nut torque	
Model	Series	B	C	L	Metal shell	Plastic shell
E●●	TT	6.4	7.1	12.5	1.0	0.4
E●●	0T	8.3	9.1	14.5	2.5	0.4
E●●	1T	10.6	12.1	18.5	4.5	0.7
E●●	2T	13.6	15.1	22.5	6.0	0.8
E●●	3T	16.6	18.1	27.0	9.0	1.0

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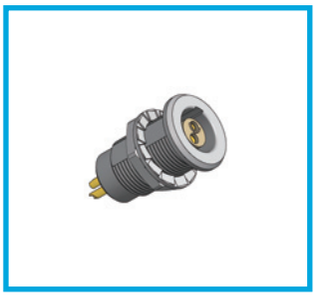
Watertight or vacuumtight models

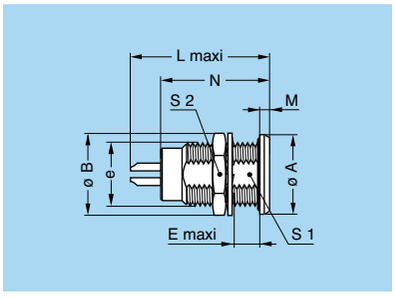
These models are identified by a letter «P» at the end of the reference. Most of these models are also available in a vacuumtight version. Such models are identified by an additional letter «V» at the end of the part number (certificate on request). Epoxy resin is used to seal these models. The temperature range is -20°C / +80°C.

Part Number Example

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

HGG Fixed socket, nut fixing, watertight or vacuumtight

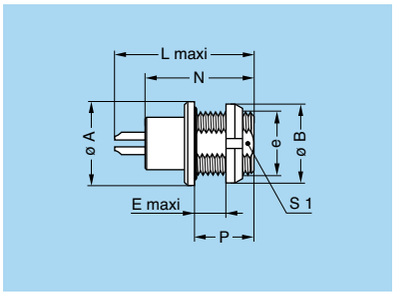




Reference		Dimensions (mm)								
Model	Series	A	B	e	E	L	M	N[1)]	S1	S2
HGG	**TT**	10.0	10.2	M7x0.5	5.5	18.0	1.2	15.0	6.3	9
HGG	**0T**	12.0	12.5	M9x0.6	6.5	22.0	1.5	18.5	8.2	11
HGG	**1T**	15.5	16.0	M12x1.0	6.0	26.0	1.8	21.5	10.5	14
HGG	**2T**	18.5	19.6	M15x1.0	8.0	30.5	1.8	25.0	13.5	17

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

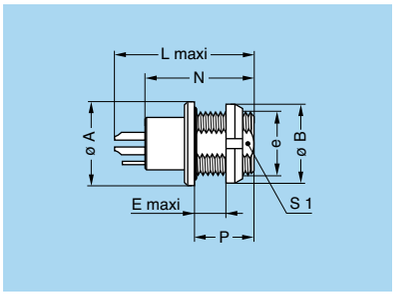




Reference		Dimensions (mm)							
Model	Series	A	B	e	E	L	N	P	S1
HEG	**TT**	10.0	10.0	M7x0.5	4.5	18.0	15.0	7	6.3
HEG	**0T**	12.0	12.0	M9x0.6	6.5	22.0	18.5	9	8.2
HEG	**1T**	15.5	16.0	M12x1.0	6.5	26.0	21.5	10	10.5
HEG	**2T**	18.5	20.0	M15x1.0	7.5	30.5	25.0	11	13.5

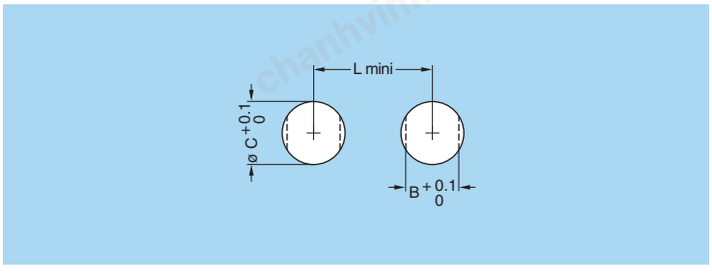
HMG Fixed socket with earthing tag, nut fixing, watertight or vacuumtight, back panel mounting





Reference		Dimensions (mm)							
Model	Series	A	B	e	E	L	N	P	S1
HMG	**TT**	10.0	10.0	M7x0.5	4.5	18.0	15.0	7	6.3
HMG	**0T**	12.0	12.0	M9x0.6	6.5	22.0	18.5	9	8.2
HMG	**1T**	15.5	16.0	M12x1.0	6.5	26.0	21.5	10	10.5
HMG	**2T**	18.5	20.0	M15x1.0	7.5	30.5	25.0	11	13.5

Panel cut-out



Reference		Panel cut-out			Mounting nut torque	
Model	Series	B	C	L	Metal shell	Plastic shell
H●●	**TT**	6.4	7.1	12.5	1.0	0.4
H●●	**0T**	8.3	9.1	14.5	2.5	0.4
H●●	**1T**	10.6	12.1	18.5	4.5	0.7
H●●	**2T**	13.6	15.1	22.5	6.0	0.8

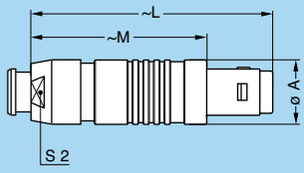
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Plastic housing models

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

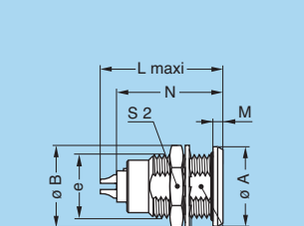




Reference		Dimensions (mm)				Cable ø	
Model	Series	A	L	M	S2	min.	max.
FGG	**0T**	9.7	38.5	28.5	8	1.0	5.0
FGG	**1T**	13.0	45.0	34.0	10	1.3	6.5

EGG Fixed socket, nut fixing, POM outer shell

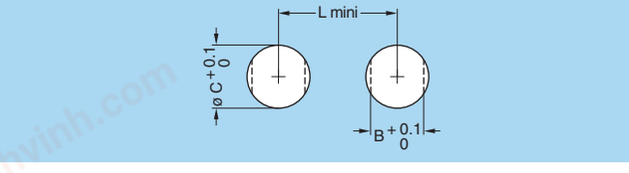




Reference		Dimensions (mm)								
Model	Series	A	B	e	E	L	M	N[1)]	S1	S2
EGG	**0T**	12.0	12.5	M9x0.6	6.0	21.0	1.5	19.1	8.2	11
EGG	**1T**	15.5	16.0	M12x1.0	6.0	23.0	1.8	21.5	10.5	14

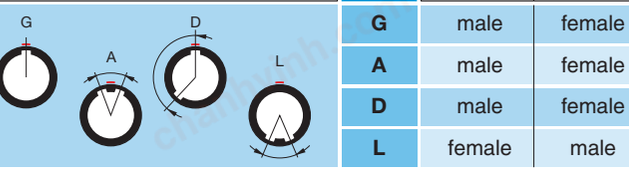
Note: [1)] maximum length with crimp contacts.

Panel cut-out



Reference		Panel cut-out		
Model	Series	B	C	L
E●●	**0T**	8.3	9.1	14.5
E●●	**1T**	10.6	12.1	18.5

Alignment Key



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

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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.	Solder contact: Test voltage (kV rms) Contact-contact	Solder contact: Test voltage (kV rms) Contact-shell	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	TT	0.35	●		●		30			0.75	1.00	1.7
				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	TT	0.35	●				30			0.60	0.75	1.5
				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. ● First choice alternative ○ Special order alternative

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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.	Solder contact: Test voltage (kV rms) Contact-contact	Solder contact: Test voltage (kV rms) Contact-shell	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	●		●		30			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.

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Multipole

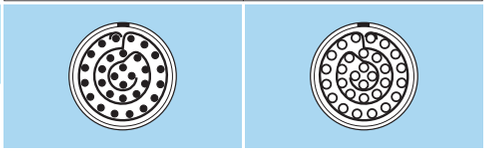
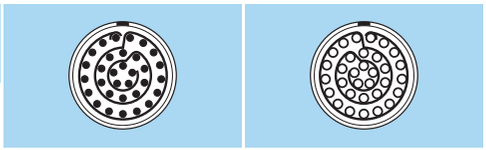
	Solder contacts / Crimp contacts		Reference	Series	Contact ø (mm)	Contact type: Solder	Contact type: Crimp	Contact type: Print (straight)	Contact type: Print (elbow)	AWG: Solder (max.)	AWG: Crimp min.	AWG: Crimp max.	Solder contact: Test voltage (kV rms) Contact-contact	Solder contact: Test voltage (kV rms) Contact-shell	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
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

● First choice alternative ○ Special order alternative

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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.	Solder contact: Test voltage (kV rms) Contact-contact	Solder contact: Test voltage (kV rms) Contact-shell	Rated current (A)
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

● First choice alternative ○ Special order alternative

Collets



	Type	Cable ø (mm) min.	Cable ø (mm) 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.	Cable ø (mm) 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.	Cable ø (mm) 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.	Cable ø (mm) 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

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Spare parts for crimp contacts

	Types	Insulator part number		ø (mm)		Fig.	Cond. AWG		Contact part number	
		Male contact	Female contact	A	C		min.	max.	Male	Female
TT	302/303/304	FGG.00.30●.YL	EGG.00.40●.YL	0.5	0.45	1	32	28	FGG.00.554.ZZC	EGG.00.654.ZZM
0T	302/303	FGG.0B.30●.YL	EGG.0B.40●.YL	0.9	1.10	1	24	20	FGG.0B.560.ZZC	EGG.0B.660.ZZM
					0.80	2	26	22	FGG.0B.561.ZZC	EGG.0B.661.ZZM
					0.45	2	32	28	FGG.0B.562.ZZC	EGG.0B.662.ZZM
	304/305	FGG.0B.30●.YL	EGG.0B.40●.YL	0.7	0.80	1	26	22	FGG.0B.555.ZZC	EGG.0B.655.ZZM
					0.45	2	32	28	FGG.0B.556.ZZC	EGG.0B.656.ZZM
	306/307/309	FGG.0B.30●.YL	–	0.5	0.45	1	32	28	FGG.0B.554.ZZC	–
1T	302/303	FGG.1B.30●.YL	EGG.1B.40●.YL	1.3	1.40	1	20	18	FGG.1B.565.ZZC	EGG.1B.665.ZZM
					1.10	2	24	20	FGG.1B.566.ZZC	EGG.1B.666.ZZM
	304/305	FGG.1B.30●.YL	EGG.1B.40●.YL	0.9	1.10	1	24	20	FGG.1B.560.ZZC	EGG.1B.660.ZZM
					0.80	2	26	22	FGG.1B.561.ZZC	EGG.1B.661.ZZM
	306/307/308	FGG.1B.30●.YL	EGG.1B.40●.YL	0.7	0.80	1	26	22	FGG.1B.555.ZZC	EGG.1B.655.ZZM
					0.45	2	32	28	FGG.1B.556.ZZC	EGG.1B.656.ZZM
	310/314/316	FGG.1B.3●●.YL	–	0.5	0.45	1	32	28	FGG.1B.554.ZZC	–
2T	302	FGG.2B.302.YL	EGG.2B.402.YL	2.0	2.40	1	16	12	FGG.2B.575.ZZC	EGG.2B.675.ZZM
					1.90	2	18	14	FGG.2B.576.ZZC	EGG.2B.676.ZZM
	303	FGG.2B.303.YL	EGG.2B.403.YL	1.6	1.90	1	18	14	FGG.2B.570.ZZC	EGG.2B.670.ZZM
					1.40	2	22	18	FGG.2B.571.ZZC	EGG.2B.671.ZZM
	304/305 306/307	FGG.2B.30●.YL	EGG.2B.40●.YL	1.3	1.40	1	20	18	FGG.2B.565.ZZC	EGG.2B.665.ZZM
					1.10	2	24	20	FGG.2B.566.ZZC	EGG.2B.666.ZZM
					0.80	2	26	22	FGG.2B.567.ZZC	EGG.2B.667.ZZM
	308/310	FGG.2B.3●●.YL	EGG.2B.4●●.YL	0.9	1.10	1	24	20	FGG.2B.560.ZZC	EGG.2B.660.ZZM
					0.80	2	26	22	FGG.2B.561.ZZC	EGG.2B.661.ZZM
					0.45	2	32	28	FGG.2B.562.ZZC	EGG.2B.662.ZZM
	312/314/316 318/319	FGG.2B.3●●.YL	EGG.2B.4●●.YL	0.7	0.80	1	26	22	FGG.2B.555.ZZC	EGG.2B.655.ZZM
					0.45	2	32	28	FGG.2B.556.ZZC	EGG.2B.656.ZZM
3T	302	FGG.3B.302.YL	EGG.3B.402.YL	3.0	3.20	1	14	10	FGG.3B.580.ZZC	EGG.3B.680.ZZM
	303/304/309	FGG.3B.30●.YL[1)]	EGG.3B.40●.YL[1)]	2.0	2.40	1	16	12	FGG.3B.575.ZZC	EGG.3B.675.ZZM
					1.90	2	18	14	FGG.3B.576.ZZC	EGG.3B.676.ZZM
	305/306/307	FGG.3B.30●.YL	EGG.3B.40●.YL	1.6	1.90	1	18	14	FGG.3B.570.ZZC	EGG.3B.670.ZZM
					1.40	2	22	18	FGG.3B.571.ZZC	EGG.3B.671.ZZM
	308/309/310	FGG.3B.3●●.YL[1)]	EGG.3B.4●●.YL[1)]	1.3	1.40	1	20	18	FGG.3B.565.ZZC	EGG.3B.665.ZZM
					1.10	2	24	20	FGG.3B.566.ZZC	EGG.3B.666.ZZM
	312/314 316/318	FGG.3B.3●●.YL	EGG.3B.4●●.YL	0.9	1.10	1	24	20	FGG.3B.560.ZZC	EGG.3B.660.ZZM
					0.80	2	26	22	FGG.3B.561.ZZC	EGG.3B.661.ZZM
					0.45	2	32	28	FGG.3B.562.ZZC	EGG.3B.662.ZZM
	320/322/324 326/330	FGG.3B.3●●.YL	EGG.3B.4●●.YL	0.7	0.80	1	26	22	FGG.3B.555.ZZC	EGG.3B.655.ZZM
					0.45	2	32	28	FGG.3B.556.ZZC	EGG.3B.656.ZZM

Note: [1)] for 309 type the insulator part number is FGG.3B.309.ML (male contact) and EGG.3B.409.ML (female contact).

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Spare parts for crimp contacts

	Types	Positioners part number		Extractors part number for male/ female contacts
		Male contact	Female contact	
TT	**302/303/304**	DCE.91.050.0VC	DCE.91.050.0VM	DCF.91.050.2LT
0T	**302/303**	DCE.91.090.BVC	DCE.91.090.BVM	DCF.91.090.2LT
		DCE.91.090.AVC	DCE.91.090.AVM	
	304/305	DCE.91.070.BVC	DCE.91.070.BVM	DCF.92.070.3LT
	306/307/309	DCE.91.050.BVC	DCE.91.050.BVM	DCF.91.050.2LT
1T	**302/303**	DCE.91.131.BVC	DCE.91.131.BVM	DCF.91.131.2LT
	304/305	DCE.91.091.BVC	DCE.91.091.BVM	DCF.91.090.2LT
	306/307/308	DCE.91.071.BVC	DCE.91.071.BVM	DCF.91.070.2LT
	310/314/316	DCE.91.051.BVC	DCE.91.051.BVM	DCF.91.050.2LT
2T	**302**	DCE.91.202.BVCM		DCC.91.202.5LA[2)]
	303	DCE.91.162.BVCM		DCF.91.162.2LT
	304/305 306/307	DCE.91.132.BVC	DCE.91.132.BVM	DCF.91.131.2LT
		DCE.91.132.CVC	DCE.91.132.CVM	
	308/310	DCE.91.092.BVC	DCE.91.092.BVM	DCF.91.090.2LT
		DCE.91.092.AVC	DCE.91.092.AVM	
	312/314/316 318/319	DCE.91.072.BVC	DCE.91.072.BVM	DCF.91.070.2LT
3T	**302**	DCE.91.303.BVCM		DCF.91.303.5LT
	303/304/309	DCE.91.203.BVCM		DCC.91.202.5LA[2)]
	305/306/307	DCE.91.163.BVCM		DCF.91.163.5LT
	308/309/310	DCE.91.133.BVC	DCE.91.133.BVM	DCF.91.133.5LT
	312/314 316/318	DCE.91.093.BVC	DCE.91.093.BVM	DCF.91.093.5LT
		DCE.91.093.BVG	DCE.91.093.BVU	
	320/322/324 326/330	DCE.91.073.BVC	DCE.91.073.BVM	DCF.91.073.5LT

Note: [2)] this model is thumb-operated.

FGG-EGG Crimp contacts

Fig. 1

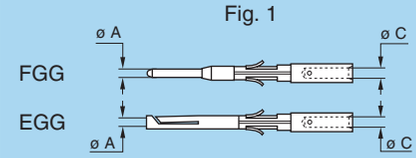
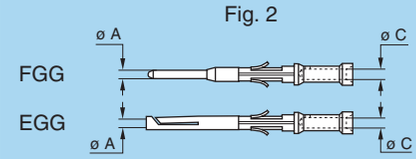


Fig. 2



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.

FGG-EGG Insulators

FGG



male

EGG



female

Note: each insulator can be used both for crimp contacts of normal shape (fig. 1) or with reduced solder cups (fig. 2).

DCE Positioners 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.

DCE Turret for ø 1.6, 2.0, 3.0, 4.0 mm



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

DCF Automatic extraction tools

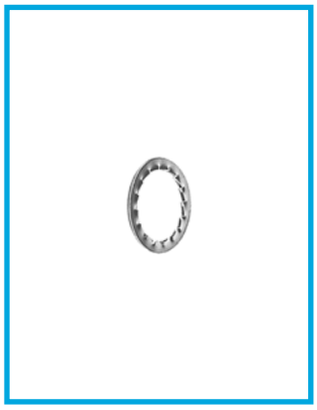


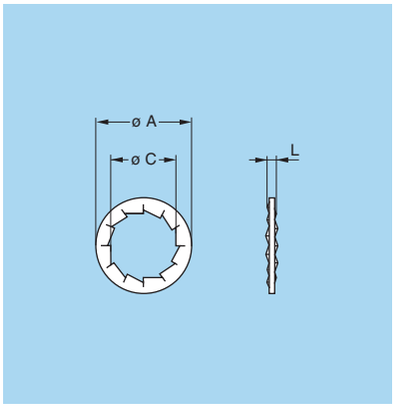
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Spare parts

GBA Locking washers





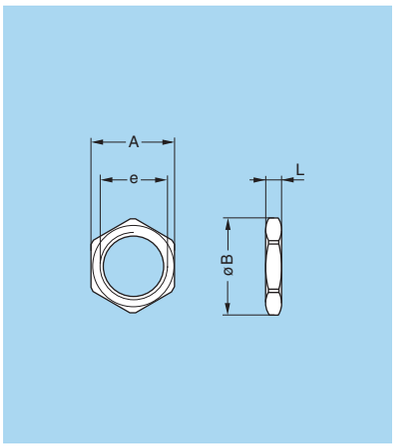
Part number	Series	Dimensions (mm)		
		A	C	L
GBA.00.250.FN	TT	9.5	7.1	1.0
GBA.0S.250.FN	0T	12.5	9.1	1.0
GBA.1S.250.FN	1T	16.0	12.1	1.0
GBA.2S.250.FN	2T	19.5	15.1	1.2
GBA.3S.250.FN	3T	25.0	18.1	1.4

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

- Material: Nickel-plated bronze (3 µm)

GEA Hexagonal nuts



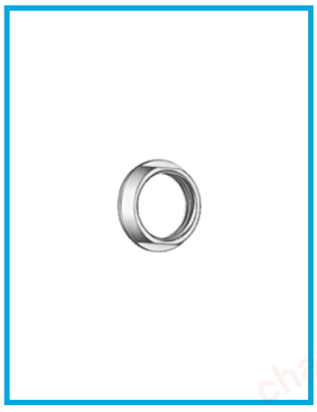


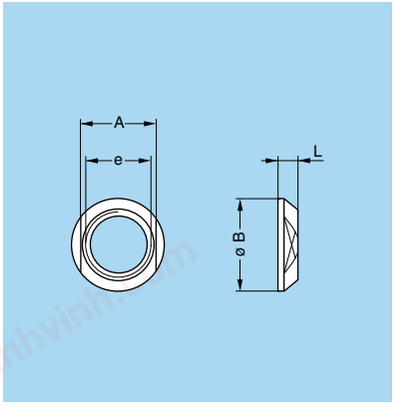
Part number	Series	Dimensions (mm)			
		A	B	e	L
GEA.00.240.LN	TT	9	10.2	M7 x 0.5	2.0
GEA.0S.240.LN	0T	11	12.4	M9 x 0.6	2.0
GEA.1S.240.LN	1T	14	15.8	M12 x 1.0	2.5
GEA.2S.240.LN	2T	17	19.2	M15 x 1.0	2.7
GEA.3S.240.LN	3T	22	25.0	M18 x 1.0	3.0

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

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

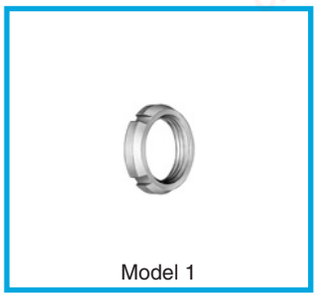
Note: 3T series fixed and free sockets for back panel mounting are always delivered with a conical nut.
To order this accessory separately, use the above part numbers.
See page 17 for the tooling.

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

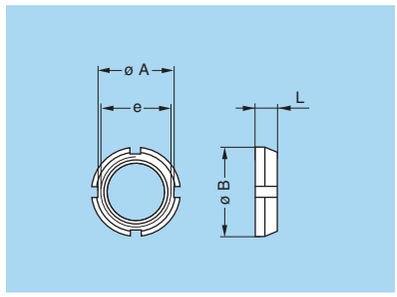
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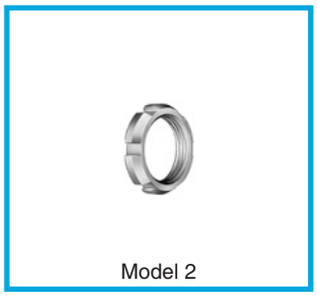
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GEG Notched nuts

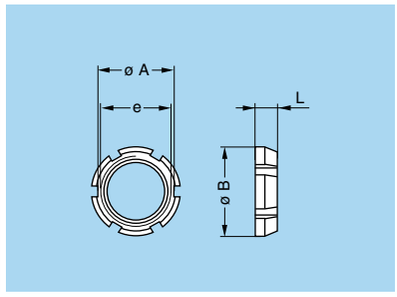


Model 1





Model 2



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

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.

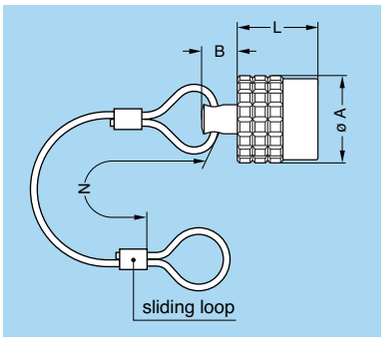
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Accessories

BFG Blanking caps for plugs

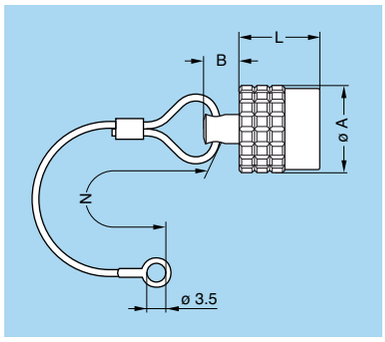




Part number	Dimensions (mm)				Part number
	A	B	L	N	
BFG.TT.100.CAS	7.0	4.0	9.0	60	BHG.TT.100.CAS
BFG.0T.100.CAS	9.5	5.0	11.0	85	BHG.0T.100.CAS
BFG.1T.100.CAS	12.0	6.0	12.4	85	BHG.1T.100.CAS
BFG.2T.100.CAS	15.0	6.0	13.8	85	BHG.2T.100.CAS
BFG.3T.100.CAS	18.8	6.0	17.6	120	BHG.3T.100.CAS

BHG Blanking caps for fixed plugs

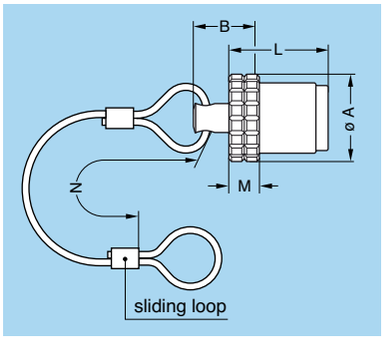




- Body material: Chrome-plated brass (Ni 3 µm)
- Lanyard material: Stainless steel
- Crimp ferrule material: Nickel-plated brass + polyolefin
- O-ring material: Silicone
- Maximum operating temperature: 135°C
- Watertightness: IP68 according to IEC 60529

BRF Blanking caps for free sockets

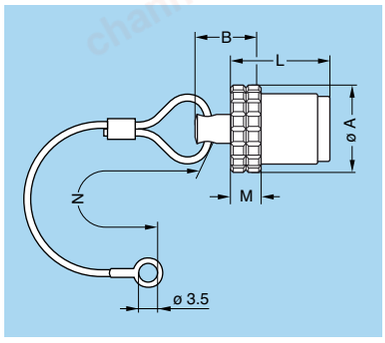




Part number	Dimensions (mm)					Part number
	A	B	L	M	N	
BRF.TT.200.CAZ	7.0	6.5	10.5	2.5	60	BRE.TT.200.CAZ
BRF.0T.200.CAZ	9.5	7.7	12.7	2.7	85	BRE.0T.200.CAZ
BRF.1T.200.CAZ	12.0	9.5	14.4	3.5	85	BRE.1T.200.CAZ
BRF.2T.200.CAZ	15.0	10.4	16.3	4.4	85	BRE.2T.200.CAZ
BRF.3T.200.CAZ	18.8	11.4	20.2	5.4	120	BRE.3T.200.CAZ

BRE Blanking caps for sockets



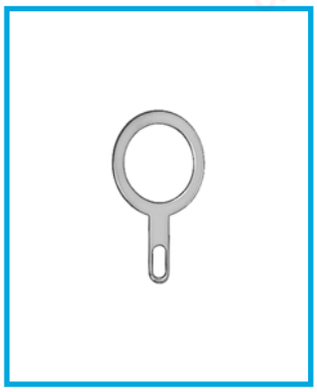


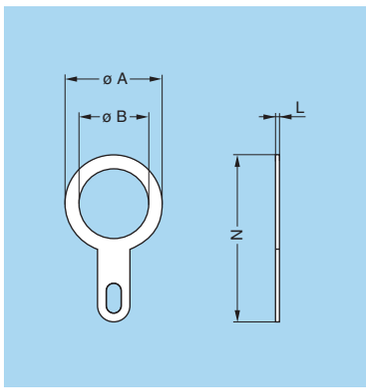
- Body material: Chrome-plated brass (Ni 3 µm)
- Lanyard material: Stainless steel
- Crimp ferrule material: Nickel-plated brass + polyolefin
- Maximum operating temperature: 135°C
- Watertightness: IP68 according to IEC 60529

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GCA Earthing washers



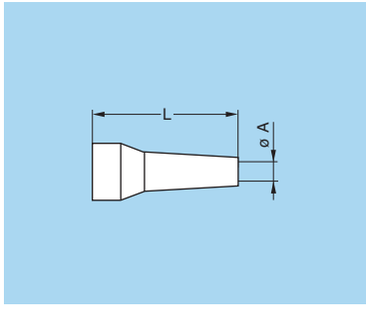


Part number	Series	Dimensions (mm)			
		A	B	L	N
GCA.00.255.LT	TT	9.5	7.1	0.4	18.2
GCA.0S.255.LT	0T	13.0	9.1	0.4	22.0
GCA.1S.255.LT	1T	17.0	12.2	0.5	27.5
GCA.2S.255.LT	2T	20.0	15.2	0.5	32.0
GCA.3S.255.LT	3T	25.0	18.2	0.5	39.0

- 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 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	GMB.00.025.DG	2.5	22	2.5	2.8
	GMB.00.028.DG	2.8	22	2.8	3.1
	GMB.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
	GMD.00.032.DG	3.2	22	3.2	3.5
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

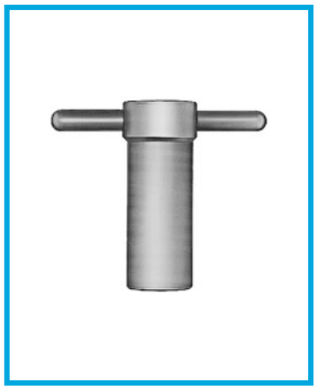
Note: the last letter «G» of the part number indicates the grey colour of the bend relief. For ordering a bend relief with another colour, see table above and replace the letter «G» by the letter of the required colour.

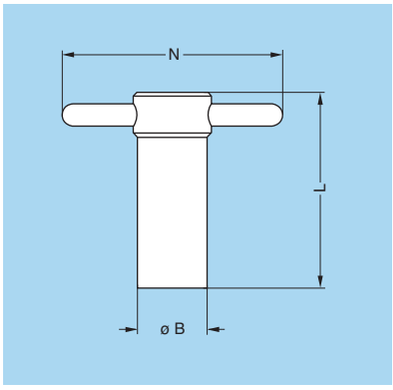
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Tooling

DCG Spanners for hexagonal nuts

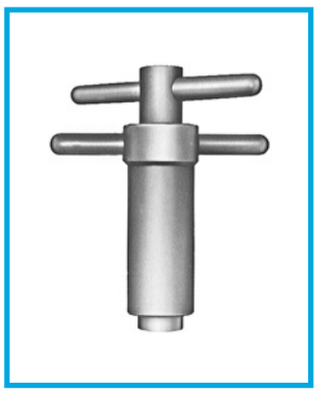


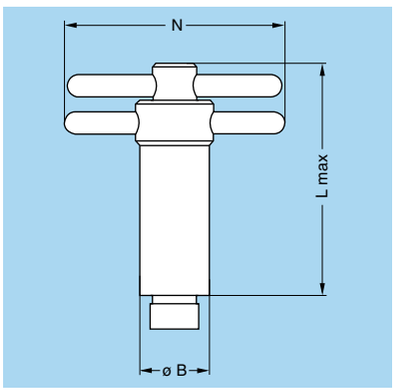


Part number	Series	Dimensions (mm)			Part number of the nut
		B	L	N	
DCG.91.149.0TN	TT	14	40	50	GEA.00.240.LN
DCG.91.161.1TN	0T	16	45	52	GEA.0S.240.LN
DCG.91.201.4TN	1T	20	52	65	GEA.1S.240.LN
DCG.91.231.7TN	2T	23	62	68	GEA.2S.240.LN
DCG.91.282.2TN	3T	28	76	73	GEA.3S.240.LN

- Material: blackened steel

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



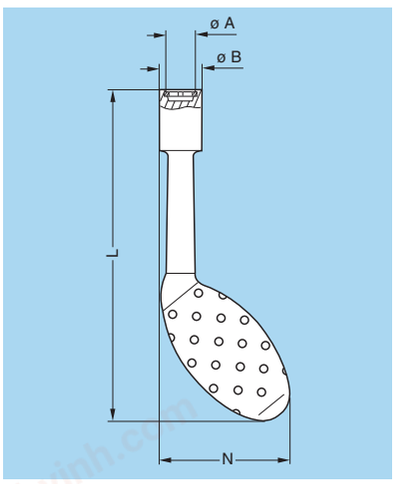


Part number	Series	Dimensions (mm)			Part number of the nut
		B	L	N	
DCA.91.149.0TN	TT	14	65	50	GEA.00.240.LN
DCA.91.161.1TN	0T	16	73	52	GEA.0S.240.LN
DCA.91.201.4TN	1T	20	85	65	GEA.1S.240.LN
DCA.91.231.7TN	2T	23	100	68	GEA.2S.240.LN
DCA.91.282.2TN	3T	28	120	73	GEA.3S.240.LN

- 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

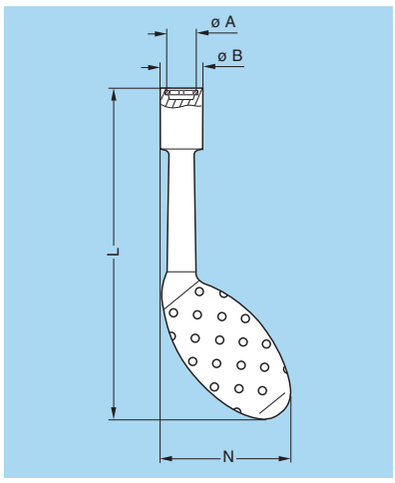
- Material: dark grey polyurethane

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DCH Spanners for notched nuts

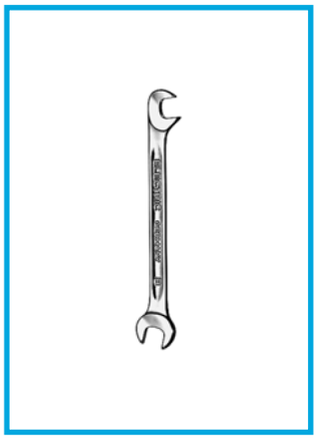


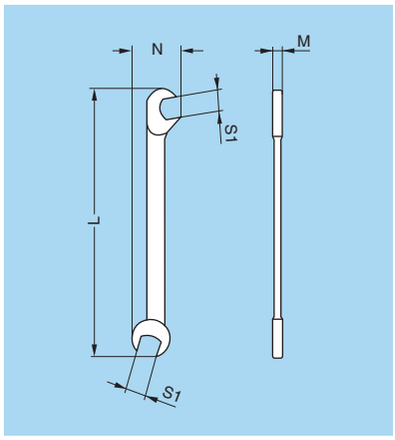


Part number	Series	Dimensions (mm)				Part number of the nut
		A	B	L	N	
DCH.91.101.PA	TT	10.1	12.8	124	48.3	GEG.00.240.LC
DCH.91.121.PA	0T	12.1	14.8	124	49.3	GEG.0S.240.LC
DCH.91.161.PA	1T	16.1	21.0	124	51.9	GEG.1S.240.LC
DCH.91.201.PA	2T	20.1	22.8	129	53.5	GEG.2S.240.LC

- Material: blue polyurethane

DCP Flat spanners for collet nut



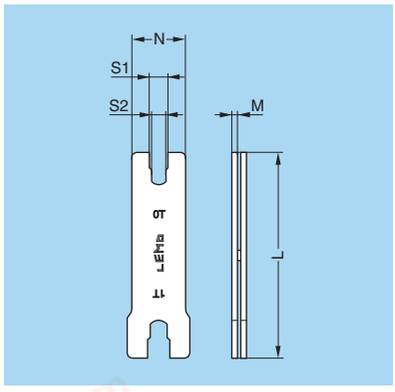


Part number	Series	Dimensions (mm)			
		L	M	N	S1
DCP.99.050.TC	TT	78	2	12.6	5.0
DCP.99.055.TC	TT	78	2	12.6	5.5
DCP.99.060.TC	TT	78	2	12.6	6.0

- Material: chrome-plated steel

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

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Crimping tools for electrical contacts

Manual crimping tools

Fig. A

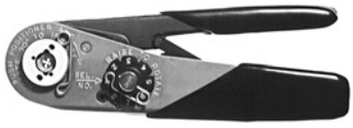
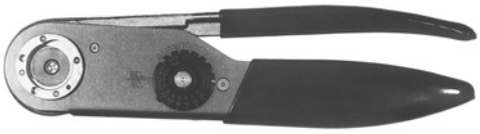


Fig. B



Part number		Supplier
contact ø 0.5-0.7 0.9-1.3 (Fig. A)	contact ø 1.6-2.0 (Fig. B)	
DPC.91.701.V[1)]	**DPC.91.101.A**[2)]	LEMO
MH860[1)]	**AF8**[2)]	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

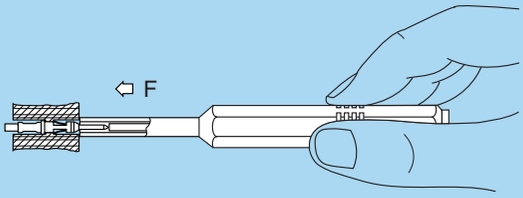


Part number	Supplier
DPC.91.701.C	LEMO
85230	BALMAR
621101	BUCHANAN

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

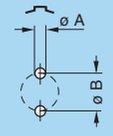
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PCB drilling pattern

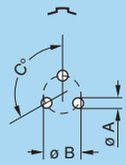
Fixed socket with straight print contact

302



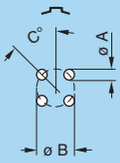
Series	Dimensions	
	A	B
TT	0.6	1.2
0T	0.8	2.2
1T	0.8	2.8
2T	0.8	4.4

303



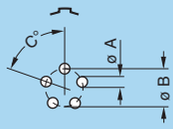
Series	Dimensions		
	A	B	C
TT	0.6	1.35	120°
0T	0.8	2.30	120°
1T	0.8	3.00	120°
2T	0.8	4.60	120°
3T	0.8	5.60	120°

304



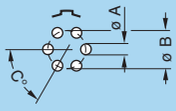
Series	Dimensions		
	A	B	C
TT	0.6	1.6	45°
0T	0.6	2.5	45°
1T	0.8	3.1	45°
2T	0.8	5.0	45°
3T	0.8	6.2	45°

305



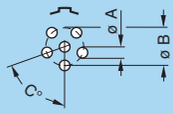
Series	Dimensions		
	A	B	C
TT	0.5	1.7	72°
0T	0.6	2.8	72°
1T	0.8	3.4	72°
2T	0.8	5.2	72°
3T	0.8	6.7	72°

306



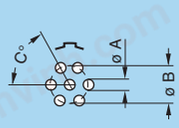
Series	Dimensions		
	A	B	C
0T	0.6	3.0	60°
1T	0.8	3.7	60°

306



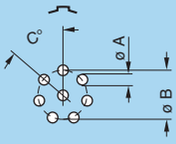
Series	Dimensions		
	A	B	C
2T	0.8	5.6	72°
3T	0.8	7.1	72°

307



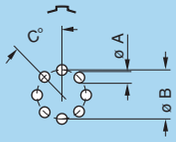
Series	Dimensions		
	A	B	C
0T	0.6	3.00	60°
1T	0.8	3.70	60°
2T	0.8	5.80	60°
3T	0.8	7.08	60°

308



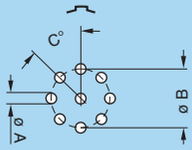
Series	Dimensions		
	A	B	C
1T	0.8	3.8	51°26’

308



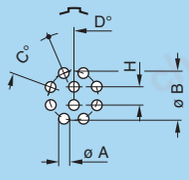
Series	Dimensions		
	A	B	C
2T	0.8	6.4	45°
3T	0.8	7.5	45°

309



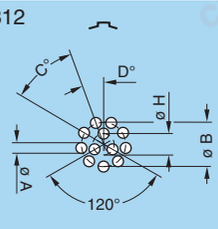
Series	Dimensions		
	A	B	C
0T	0.6	3.2	45°
3T	0.8	7.5	45°

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



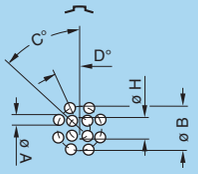
Series	Dimensions				
	A	B	C	D	H
0T	0.5	3.3	40°	20°	1.25

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

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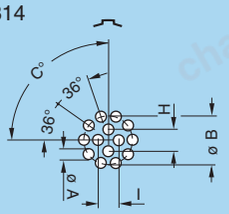
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312



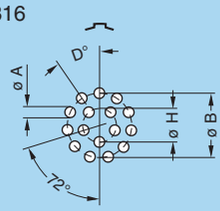
Series	Dimensions				
	A	B	C	D	H
2T	0.8	6.50	45°	22°30'	2.80
3T	0.8	8.20	45°	22°30'	3.40

314



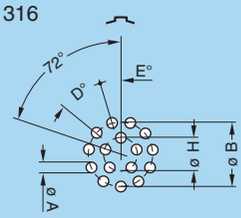
Series	Dimensions				
	A	B	C	H	I
1T	0.6	4.4	90°	1.90	1.80
2T	0.8	6.5	90°	2.65	2.65
3T	0.8	8.2	90°	3.40	3.40

316



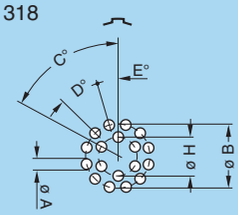
Series	Dimensions			
	A	B	D	H
1T	0.6	4.4	32°44'	2.0

316



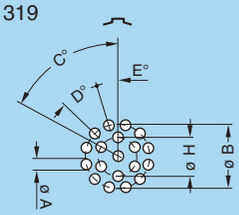
Series	Dimensions				
	A	B	D	E	H
2T	0.8	6.6	32°44'	16°22'	3.10
3T	0.8	8.4	32°44'	16°22'	3.86

318



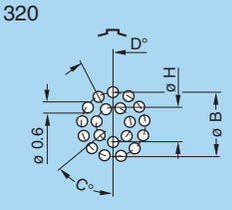
Series	Dimensions					
	A	B	C	D	E	H
2T	0.8	6.7	60°	30°	15°	3.50
3T	0.8	8.4	60°	30°	15°	4.34

319



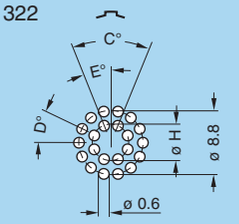
Series	Dimensions					
	A	B	C	D	E	H
2T	0.8	6.7	60°	30°	15°	3.5

320



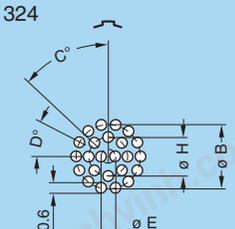
Series	Dimensions			
	B	C	D	H
3T	8.62	51°26'	27°42'	4.78

322



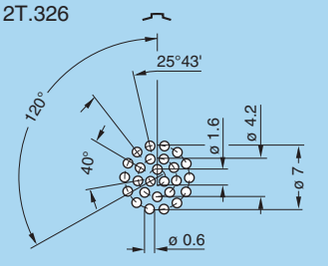
Series	Dimensions			
	C	D	E	H
3T	45°	25°43'	22°30'	5

324

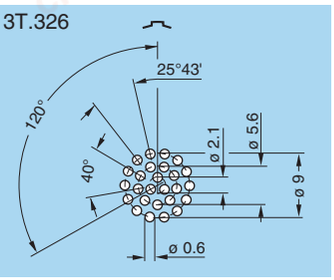


Series	Dimensions				
	B	C	D	E	H
3T	8.8	45°	25°43'	1.8	5.30

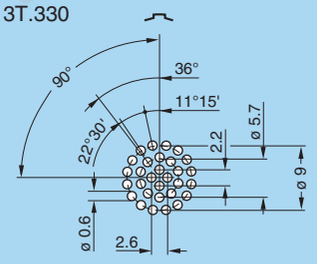
2T.326



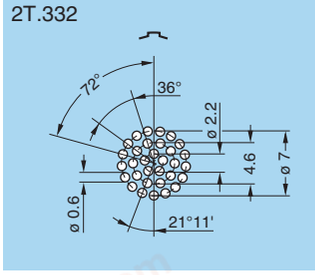
3T.326



3T.330



2T.332



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

Metal collet nut tightening torque

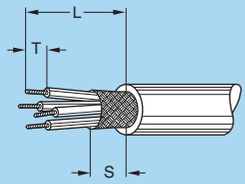
Series	Maximum metal collet nut tightening torque
TT	0.25
0T	0.70
1T	0.80

Series	Maximum metal collet nut tightening torque
2T	2.00
3T	3.00

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Cable assembly

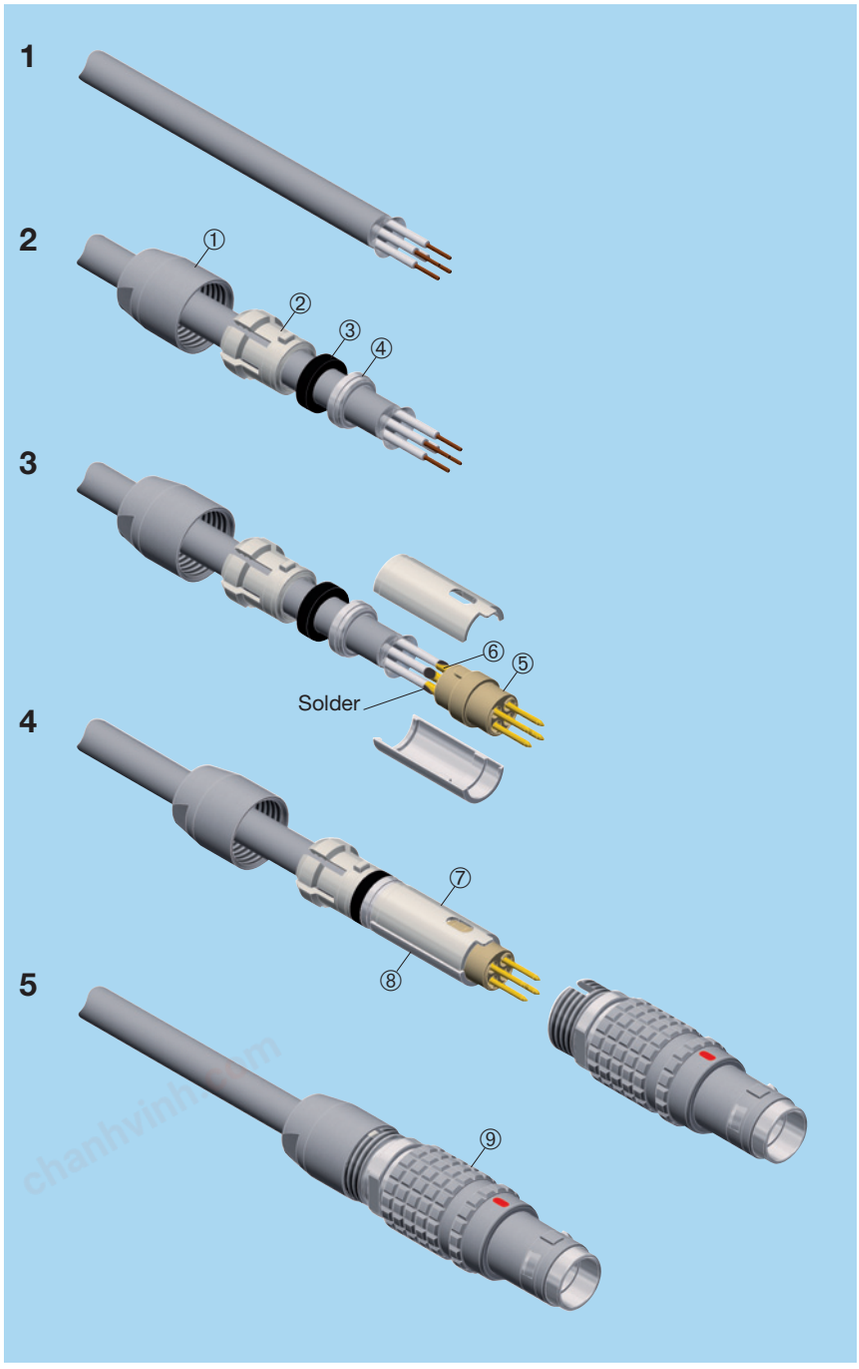


	Reference	ø contact (mm)	Cable stripping lengths (mm)					
			Solder			Crimp		
			L	S	T	L	S	T
TT	302	0.5	8.0	4	2.5	11.0	4	3.0
	303	0.5	8.0	4	2.5	11.0	4	3.0
	304	0.5	8.0	4	2.5	11.0	4	3.0
0T	302/303	0.9	9.0	5	4.0	9.0	5	4.0
	304/305	0.7	8.0	5	3.5	9.0	5	4.0
	306/307/309	0.5	7.0	5	2.5			
	312	0.35	7.0	5	2.5			
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

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Terminating of plugs with solder contacts and cable collet



Cable preparation

1. Strip the cable according to the given dimensions. (The end of the cable jacket must be cut properly).

Cable termination

2. Slide it into the collet nut ①, the collet ②, the gland ③ and the earthing cone ④.

3. In case of a screened cable, fold screen back over the extremity of the earthing cone.
   Arrange the conductors according to the insulator ⑤ marking by avoiding to twist them.
   Fit conductor into the contacts ⑥ and solder.
   Verify that insulator and insulation remain clean.

4. Locate the slotted upper half ⑦ of the split insert carrier over the shoulder and key on the insulator then align and press together the other half ⑧ to form a complete cylinder.
   Push the earthing cone against the insert carriers whilst checking that the screen is being clamped around the whole circumference and cut, if necessary, the excess screen.
   Push the gland, and collet against the earthing cone. Push the cable forward and verify that cable jacket is located under the gland.

5. Next slide the plug shell ⑨ over the insulator assembly making sure that the key on the insert carrier goes into the keyway (under the color point) inside the shell.
   Locate the key of the collet into the slot of the shell. Finally screw the collet nut with the appropriate tool and tighten to the maximum torque value (see page 20).

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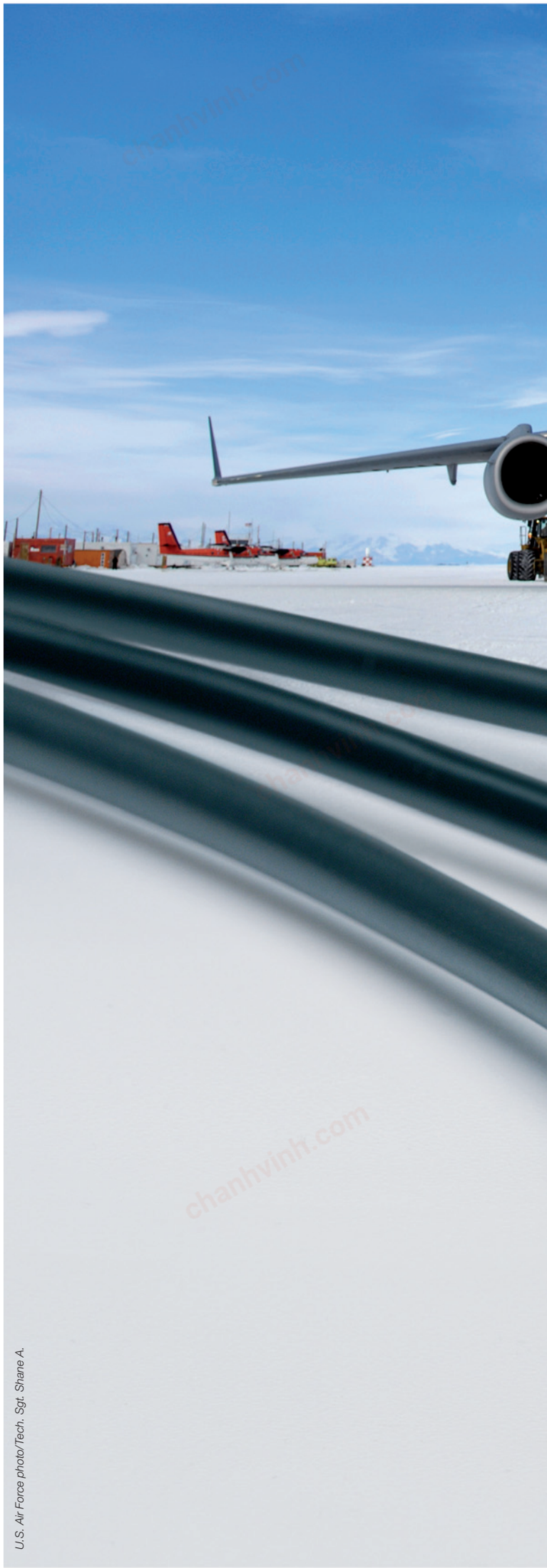
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