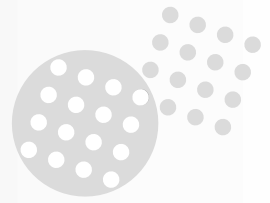


Connector for ELIO™ Termini: ELIO™ C



1 - CHARACTERISTICS

- Standard MIL-DTL-38999 Series III composite shell
- Compatible with ELIO™ termini
- Light and robust connector
- Environmental performance as per MIL-DTL-38999 and EN 3645 standard
- Temperature range: -65° C, +150° C

Applications

Fiber optic connector for industrial, military and aeronautical purposes wherever weight savings and severe climatic or mechanical environment are targeted



Mechanical

- Shell: carbon reinforced thermoplastic
- Shell plating: olive green cadmium (J) / nickel (M) / without plating (X)
- Endurance: 500 mating / unmating operations
- Shocks: 300 g, 3 ms as per EN 2591-6402 method A and MIL-STD-1344
- Vibrations:
 - random 50 to 2000 Hz, 3 x 8 hours
 - 1 g²/Hz, as per EN 2591-6403 and MIL-STD-1344
 - sine 1 to 16 Hz amplitude 2 mm, 16 to 55 Hz - 2g
- Contact retention: minimum 11 daN

Environmental

- Salt spray: 2000 hours
- Temperature range: -65° C, +125° C long term (1000 hours), +150°C short term (100 hours)
- Sealing:
 - 3 cycles (3 x 1 hours) altitude immersion 1,1 kPa in accordance with EN 2591-314 and MIL-STD-1344 IP 68
- Damp heat: 10 cycles of 24 hours in accordance with EN 2591-321 and MIL-STD-1344
- Fire resistant:
 - 30 seconds fire exposure as per EN 2591-317 and MIL-STD-1344 and MIL-STD-1344
 - UL94-V0

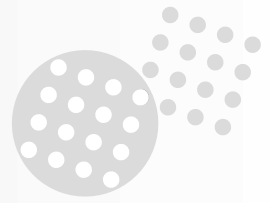
Resistance to fluids as per MIL-DTL-38999 standard

- Gasoline: JP5 (OTAN F44)
- Mineral hydraulic fluid: MIL-H-5606 (OTAN H515)
- Synthetic hydraulic fluid: skydrol 500 B4, LD4 (SAE AS 1241)
- Mineral lubricating: MIL-L-7870A (OTAN 0142)
- Synthetic lubricating: MIL-L-23699 (OTAN 0156) MIL-L-7808
- Cleaning fluid: MIL-C-25769 diluted
- De-icing fluid: MIL-A-8243
- Extinguishing fluid: Chlorobromomethane
- Cooling fluid: Coolanol
- As per NFC 93422: F46, F54, 0/180, H515, H542, XH 45

Optical

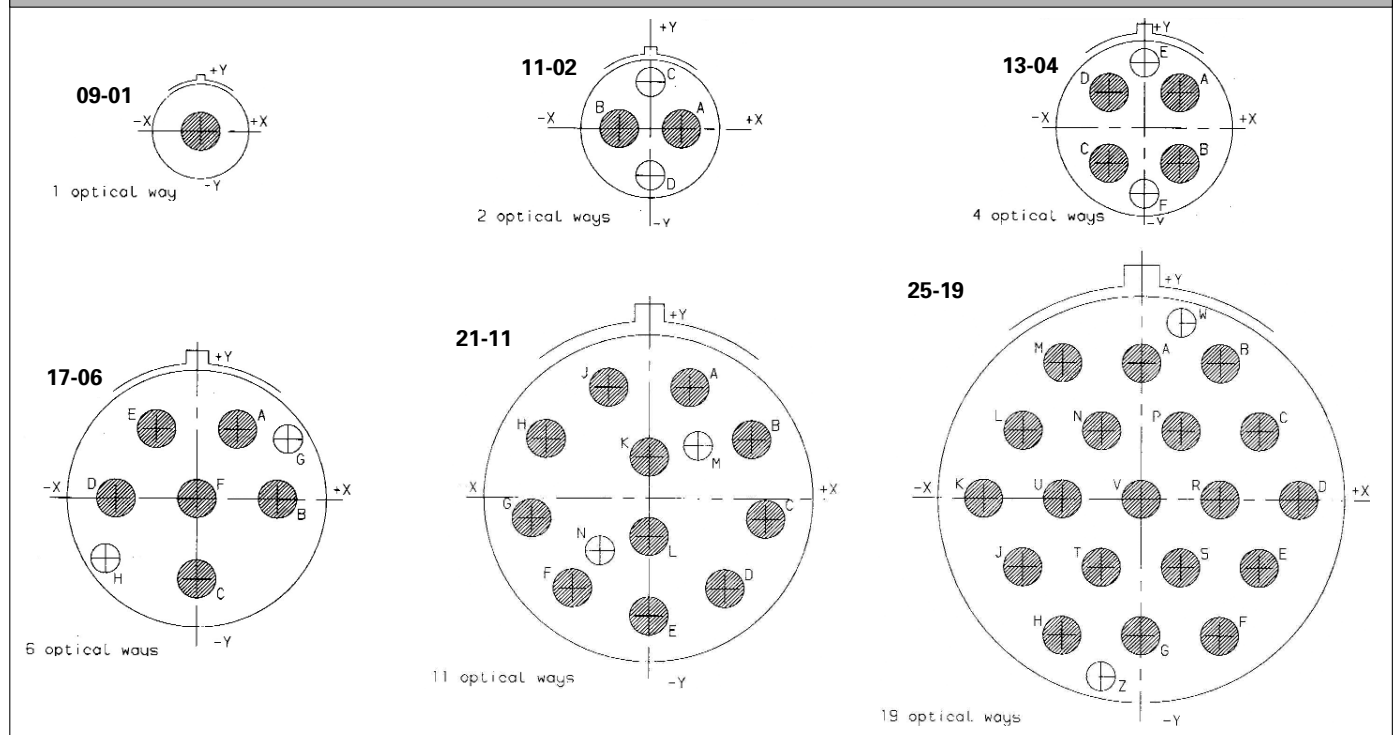
- Compatible with ELIO™ termini
- Typical Insertion Loss
 - Singlemode: 0.3 dB @ 1300 nm
 - Multimode: 0.2 dB @ 1300 nm
- Typical Return Loss
 - Singlemode: -30dB @ 1300 nm
 - Multimode: -30dB @ 1300 nm
- Maximum IL during and after climatic tests: 0.7 dB at 1300 nm and 850 nm for multimode 62.5/125 fiber

Connector for ELIO™ Termini: ELIO™ C



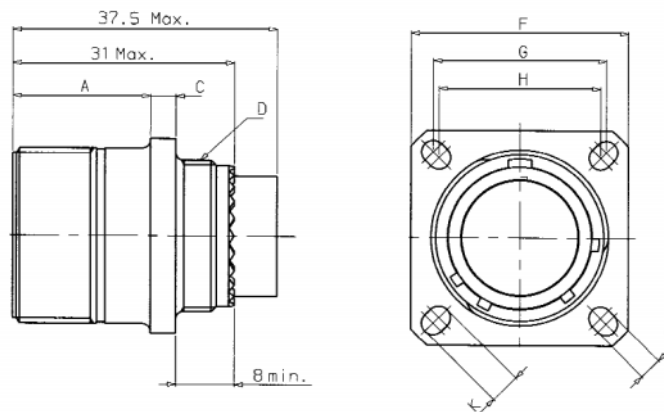
2 - INSERT ARRANGEMENTS

Insert arrangement (table 1) - Front face of male insert



3 - DIMENSIONS

ELIO™ C – Receptacle type 0



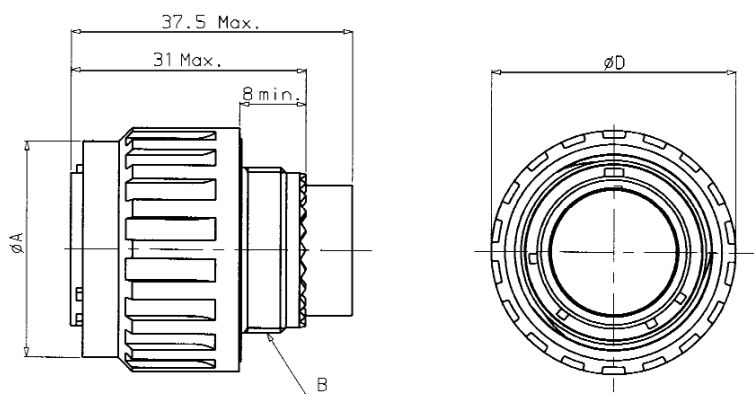
Shell Size	A Max.	B Max.	C Max.	D Thread	F ± 0.30	G	H	J ± 0.20	K ± 0.20
09	20.90	3.65	3.65	M12 x 1-6g	23.80	18.26	15.09	3.25	5.49
11	20.90	3.65	3.65	M15 x 1-6g	26.20	20.62	18.26	3.25	4.93
13	20.90	3.65	3.65	M18 x 1-6g	28.60	23.01	20.62	3.25	4.93
17	20.90	3.65	3.65	M25 x 1-6g	33.30	26.97	24.61	3.25	4.93
21	20.10	4.35	4.35	M31 x 1-6g	39.70	31.75	29.36	3.25	4.93
25	20.10	4.35	4.35	M37 x 1-6g	46.00	38.10	34.93	3.91	6.15

Dimensions in millimeters

Connector for ELIO™ Termini: ELIO™ C

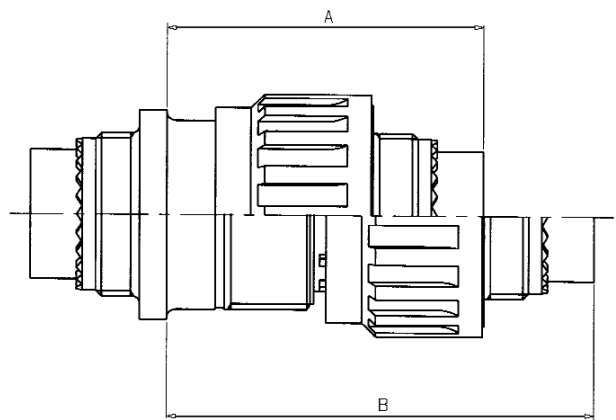


ELIO™ C - Plug type 5



Shell Size	A Max.	B Thread	D Max.
09	20.60	M12 x 1-6g	21.80
11	23.60	M15 x 1-6g	25.00
13	28.20	M18 x 1-6g	29.40
17	34.50	M25 x 1-6g	35.70
21	40.50	M31 x 1-6g	41.70
25	46.80	M37 x 1-6g	48.00

ELIO™ C – Mated connectors dimensions



Shell Size	A Max.	B Max.
09	43.50	58.80
11	43.50	58.80
13	43.50	58.80
17	43.50	58.80
21	42.50	57.80
25	42.50	57.80

Dimensions in millimeters

38999
for ELIO™

Connector for ELIO™ Termini: ELIO™ C

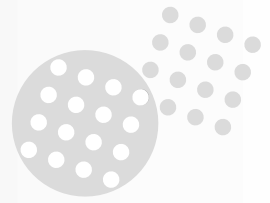


4 - ORDERING INFORMATION

	8 D	5	E	11	J	02	A	N
Shell Type								
5 - Plug								
0 - Receptacle with 4 hole square flange fixing								
Designation								
E - ELIO™ optical connector								
Shell Size								
see table 1								
Plating								
J - Olive green cadmium								
M - Nickel								
X - Without plating								
Insert Arrangement								
see table 1								
Male/Female insert								
A - Male insert								
B - Female insert with ceramic alignment sleeves								
C - Female insert with phophor bronze alignment sleeves*								
Polarization N, A, B, C, D, E								

* Recommended for fiber starting from 200/230 μm

Connector for ELIO™ Termini: ELIO™ MINUM



1 - CHARACTERISTICS

- Standard MIL-DTL-38999 Series III aluminum shell
- Compatible with ELIO™ termini
- Light and robust connector
- Environmental performance as per MIL-DTL-38999 and EN 3645 standard
- Temperature range: -65° C, +150° C

Applications

Fiber optic connector for all military and aeronautical purposes with severe vibration environment.



Mechanical

- Shell: aluminum alloy
- Shell plating: olive green cadmium (W) / nickel (F)
- Endurance: 500 mating / unmating operations
- Shocks: 300 g, 3 ms as per EN 2591-6402 method A and MIL-STD-1344
- Vibrations:
 - random 50 to 2000 Hz, 3 x 8 hours
 - 1 g²/Hz, as per EN 2591-6403 and MIL-STD-1344
 - sine 1 to 16 Hz amplitude 2 mm, 16 to 55 Hz - 2g
- Contact retention: minimum 110 daN

Environmental

- Salt spray: 500 hours
- Temperature range: -65° C, +125° C long term (1000 hours), +150° C short term (100 hours)
- Sealing:
 - 3 cycles (3 x 1 hours) altitude immersion 1,1 kPa in accordance with EN 2591-314 and MIL-STD-1344 IP 68
- Damp heat: 10 cycles of 24 hours in accordance with EN 2591-321 and MIL-STD-1344
- Fire resistant:
 - 30 seconds fire exposure as per EN 2591-317 and MIL-STD-1344 UL94-V0

Resistance to fluids as per MIL-DTL-38999 standard

- Gasoline: JP5 (OTAN F44)
- Mineral hydraulic fluid: MIL-H-5606 (OTAN H515)
- Synthetic hydraulic fluid: skydrol 500 B4, LD4 (SAE AS 1241)
- Mineral lubricating: MIL-L-7870A (OTAN 0142)
- Synthetic lubricating: MIL-L-23699 (OTAN 0156) MIL-L-7808
- Cleaning fluid: MIL-C-25769 diluted
- De-icing fluid: MIL-A-8243
- Extinguishing fluid: Chlorobromethane
- Cooling fluid: Coolanol

Optical

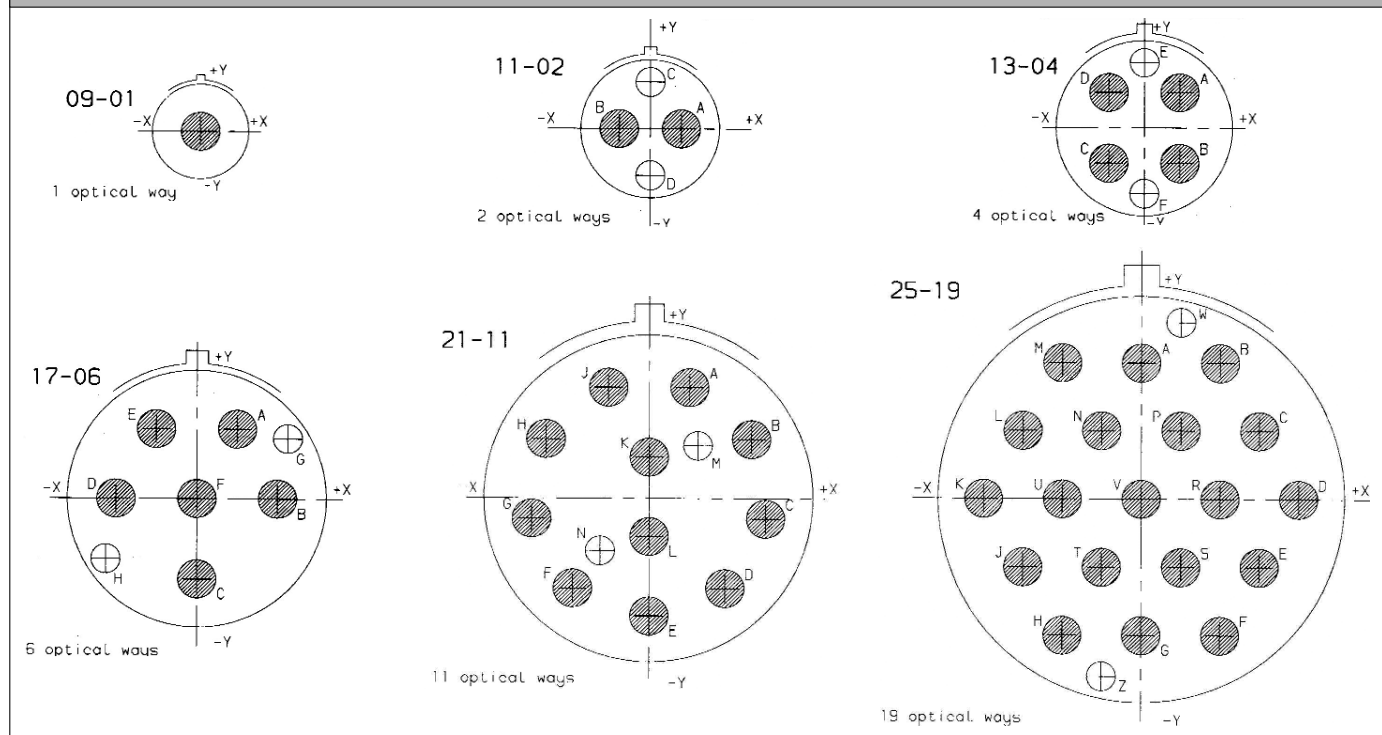
- Compatible with ELIO™ termini
- Typical Insertion Loss
 - Singlemode: 0.3 dB @ 1300 nm
 - Multimode: 0.1 dB @ 1300 nm
- Typical Return Loss
 - Singlemode: -30 dB @ 1300 nm
 - Multimode: -30 dB @ 1300 nm
- Maximum IL during and after climatic tests: 0.7 dB at 1300 nm and 850 nm for multimode 62.5/125 fiber

Connector for ELIO™ Termini: ELIO™ MINUM



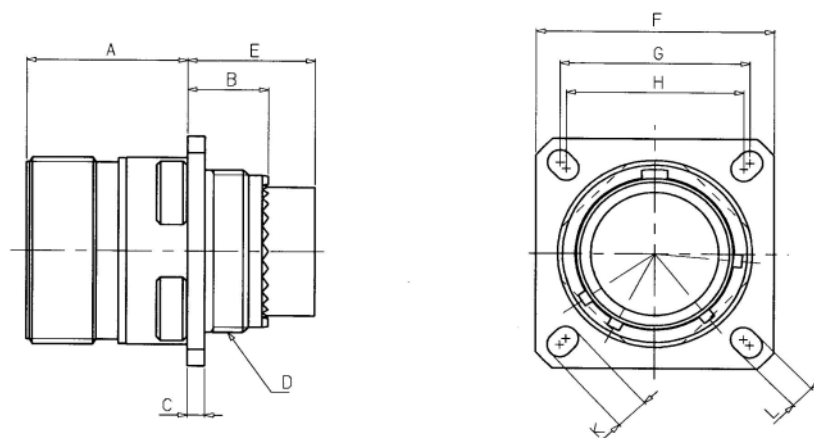
2 - INSERT ARRANGEMENTS

Insert arrangement (table 1) - Front face of male insert



3 - DIMENSIONS

ELIO™ MINUM – Receptacle type 0



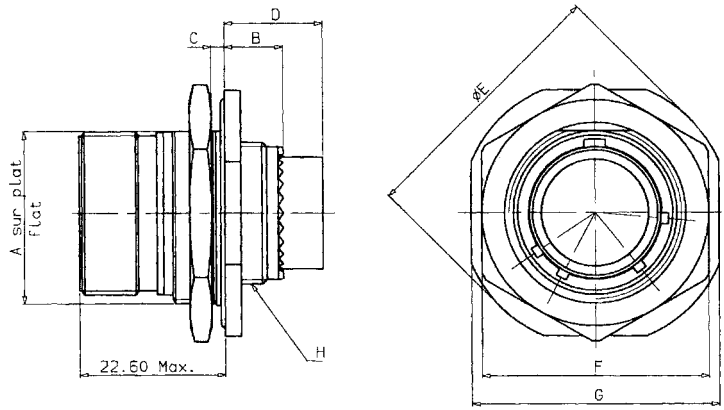
Shell Size	A Max.	B Max.	C Max.	D Thread	E Max.	F ± 0.30	G	H	K ± 0.20	L ± 0.20
09	20.90	10.60	2.50	M12 x 1-6g	17.10	23.80	18.26	15.09	5.49	3.25
11	20.90	10.60	2.50	M15 x 1-6g	17.10	26.20	20.62	18.26	4.93	3.25
13	20.90	10.60	2.50	M18 x 1-6g	17.10	28.60	23.01	20.62	4.93	3.25
17	20.90	10.60	2.50	M25 x 1-6g	17.10	33.30	26.97	24.61	4.93	3.25
21	20.10	11.40	3.20	M31 x 1-6g	17.90	39.70	31.75	29.36	4.93	3.25
25	20.10	11.40	3.20	M37 x 1-6g	17.90	46.00	38.10	34.93	6.15	3.91

Dimensions in millimeters

Connector for ELIO™ Termini: ELIO™ MINUM

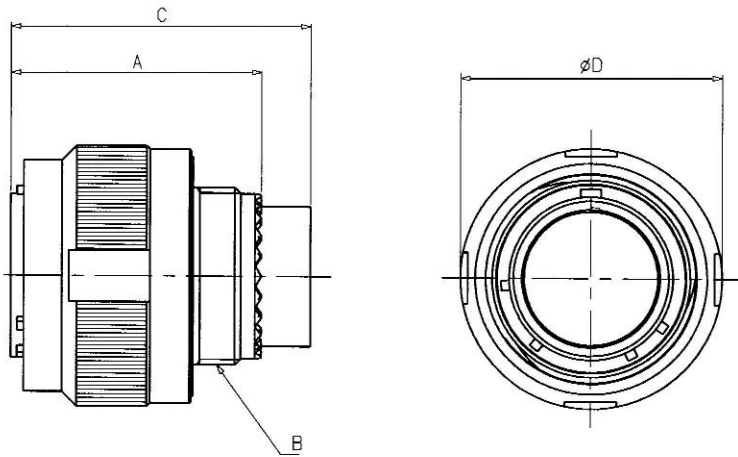


ELIO™ MINUM - Receptacle type 7



Shell Size	A Max.	B Max.	C Max.	D Max.	E Max.	F Max.	G ± 0.40	H Thread
09	16.53	9.90	3.20	16.40	30.50	24.00	27.00	M12 x 1-6g
11	19.07	9.90	3.20	16.40	35.20	27.00	31.80	M15 x 1-6g
13	23.82	9.90	3.20	16.40	38.40	32.00	34.90	M18 x 1-6g
17	30.15	9.90	3.20	16.40	44.80	41.30	41.30	M25 x 1-6g
21	36.50	9.90	3.20	16.40	52.70	49.20	49.20	M31 x 1-6g
25	42.85	9.90	3.20	16.40	59.00	55.60	55.60	M37 x 1-6g

ELIO™ MINUM - Plug type 5



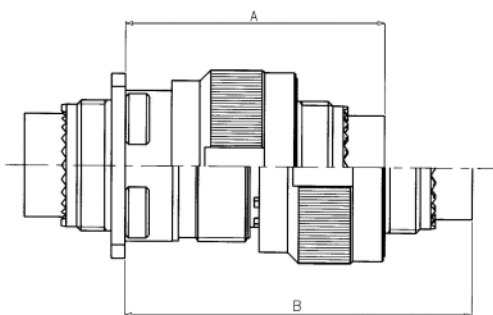
Shell Size	A Max.	B Thread	C Max.	D Max.
09	31.00	M12 x 1-6g	37.50	21.80
11	31.00	M15 x 1-6g	37.50	25.00
13	31.00	M18 x 1-6g	37.50	29.40
17	31.00	M25 x 1-6g	37.50	35.70
21	31.00	M31 x 1-6g	37.50	41.70
25	31.00	M37 x 1-6g	37.50	48.00

Dimensions in millimeters

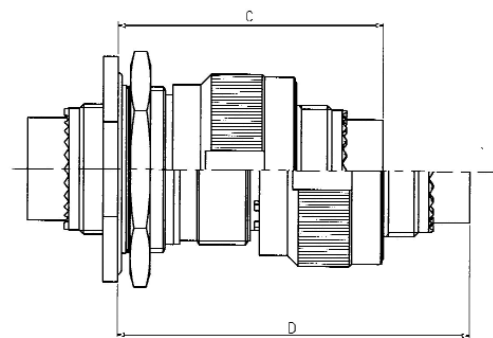


Connector for ELIO™ Termini: ELIO™ MINUM

ELIO™ MINUM - Mated connectors dimensions



Square flange receptacle type 0 with plug



Jam nut receptacle type 7 with plug

Shell Size	A Max.	B Max	C Max.	D Max.
09	43.50	58.80	44.80	60.10
11	43.50	58.80	44.80	60.10
13	43.50	58.80	45.00	60.30
17	43.50	58.80	45.00	60.30
21	42.50	57.80	45.00	60.30
25	42.50	57.80	45.00	60.30

Dimensions in millimeters

4 - ORDERING INFORMATION

8D

5

E

11

W

02

A

N

Shell Type

5 - Plug
0 - Receptacle with 4 hole square flange fixing
7 - Receptacle with single hole jam nut fixing

Designation

E - ELIO™ optical connector

Shell Size

see table 1

Plating

W - olive green cadmium
F - nickel

Insert Arrangement

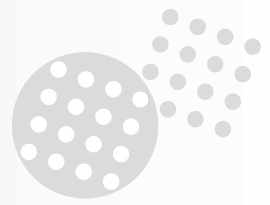
see table 1

Male/Female insert

A - Male insert
B - Female insert with ceramic alignment sleeves
C - female insert with phosphor bronze alignment sleeves*

Polarization N, A, B, C, D, E

* Recommended for fiber starting from 200/230 μm



Connector for ELIO™ Termini: ELIO™ STEEL

1 - CHARACTERISTICS

- Standard MIL-DTL-38999 Series III stainless steel shell
- Compatible with ELIO™ termini
- Very robust connector
- Environmental performance as per MIL-DTL-38999 and EN 3645 standard
- Temperature range: -65° C, +150° C

Applications

Fiber optic connector for all military and aeronautical purposes wherever robustness and high temperature range are targeted



Mechanical

- Shell: stainless steel
- Shell plating: Nickel / Passivated
- Endurance: 500 mating / unmating operations
- Shocks: 300 g, 3 ms as per EN 2591-6402 method A and MIL-STD-1344
- Vibrations:
 - random 50 to 2000 Hz, 3 x 8 hours
 - 1 g²/Hz, as per EN 2591-6403 and MIL-STD-1344
 - sine 1 to 16 Hz amplitude 2 mm, 16 to 55 Hz - 2g
- Contact retention: minimum 11 daN

Environmental

- Salt spray: 500 hours
- Temperature range: -65°C, +125°C long term (1000 hours), +150°C short term (100 hours)
- Sealing:
 - 3 cycles (3 x 1 hours) altitude immersion 1,1 kPa in accordance with EN 2591-314 and MIL-STD-1344
 - IP 68
- Damp heat: 10 cycles of 24 hours in accordance with EN 2591-321 and MIL-STD-1344
- Fire resistant:
 - 30 seconds fire exposure as per EN 2591-317 and MIL-STD-1344
 - UL94-V0

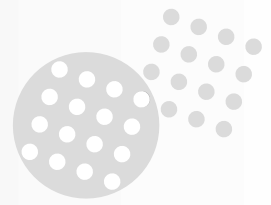
Resistance to fluids as per MIL-DTL-38999 standard

- Gasoline: JP5 (OTAN F44)
- Mineral hydraulic fluid: MIL-H-5606 (OTAN H515)
- Synthetic hydraulic fluid: skydrol 500 B4, LD4 (SAE AS 1241)
- Mineral lubricating: MIL-L-7870A (OTAN 0142)
- Synthetic lubricating: MIL-L-23699 (OTAN 0156) MIL-L-7808
- Cleaning fluid: MIL-C-25769 diluted
- De-icing fluid: MIL-A-8243
- Extinguishing fluid: Chlorobromomethane
- Cooling fluid: Coolanol

Optical

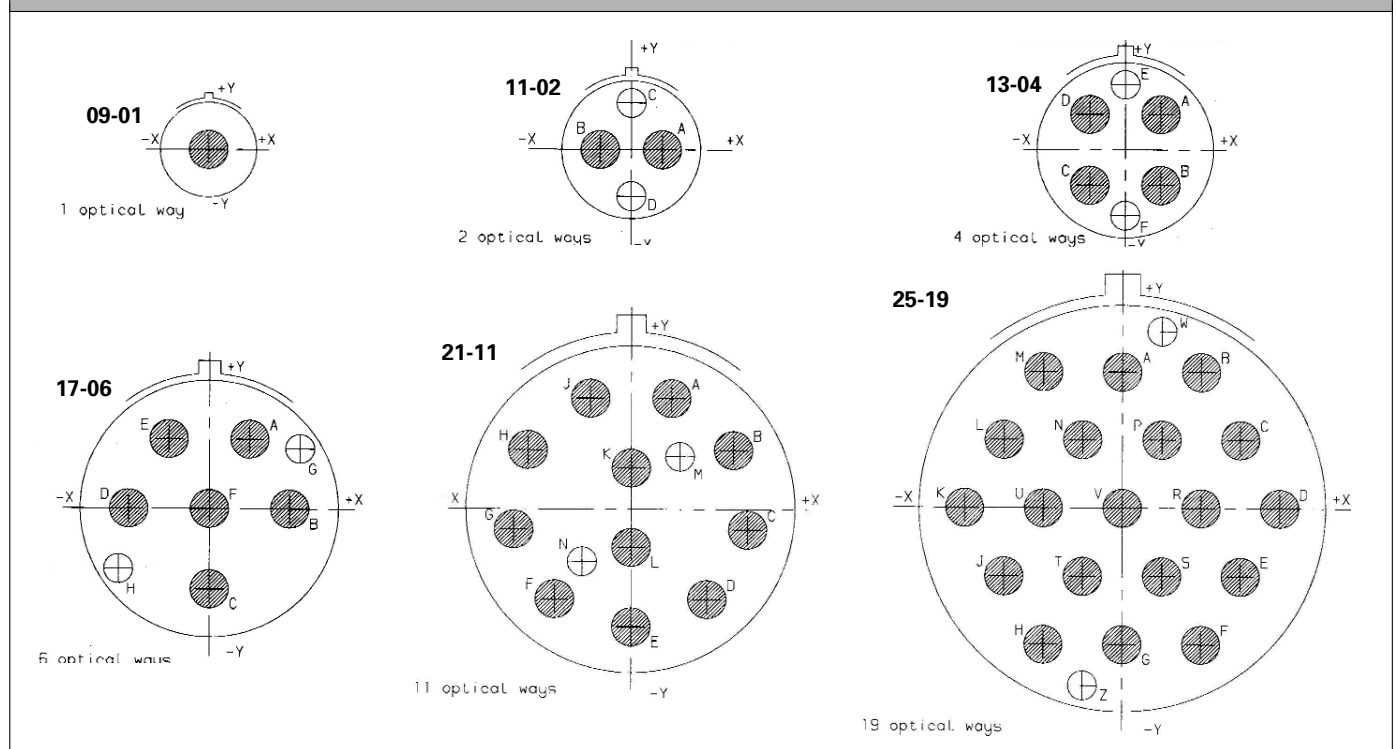
- Compatible with ELIO™ termini
- Typical Insertion Loss
 - Singlemode: 0.3 dB @ 1300 nm
 - Multimode: 0.1 dB @ 1300 nm
- Typical Return Loss
 - Singlemode: -30 dB @ 1300 nm
 - Multimode: -30 dB @ 1300 nm
- Maximum IL during and after climatic tests: 0.7 dB at 1300 nm and 850 nm for multimode 62.5/125 fiber

Connector for ELIO™ Termini: ELIO™ STEEL



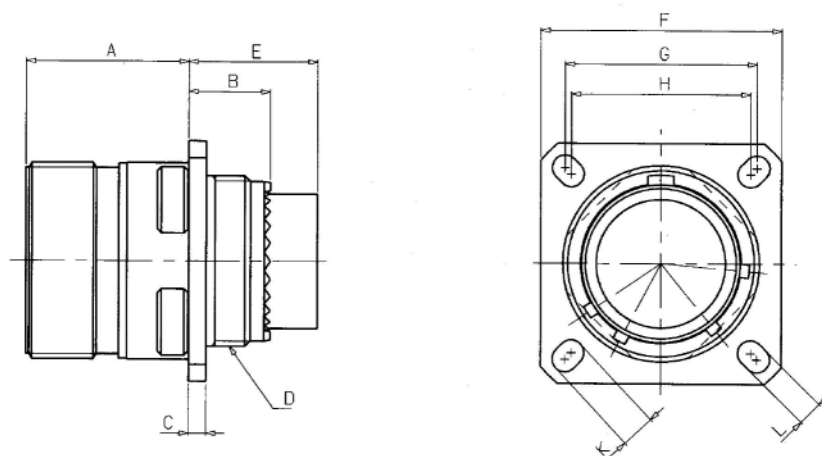
2 - INSERT ARRANGEMENTS

Insert arrangement (table 1) - Front face of male inserts



3 - DIMENSIONS

ELIO™ STEEL - Receptacle type 20



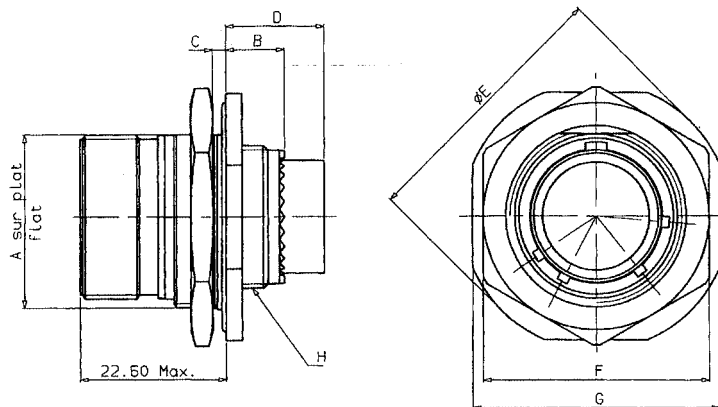
Shell Size	A Max.	B Max.	C Max.	D Thread	E Max.	F ± 0.30	G	H	K ± 0.20	L ± 0.20
09	20.90	11.60	2.50	M12 x 1-6g	17.10	23.80	18.26	15.09	5.49	3.25
11	20.90	11.60	2.50	M15 x 1-6g	17.10	26.20	20.62	18.26	4.93	3.25
13	20.90	11.60	2.50	M18 x 1-6g	17.10	28.60	23.01	20.62	4.93	3.25
17	20.90	11.60	2.50	M25 x 1-6g	17.10	33.30	26.97	24.61	4.93	3.25
21	20.10	11.40	3.20	M31 x 1-6g	17.90	39.70	31.75	29.36	4.93	3.25
25	20.10	11.40	3.20	M37 x 1-6g	17.90	46.00	38.10	34.93	6.15	3.91

Dimensions in millimeters



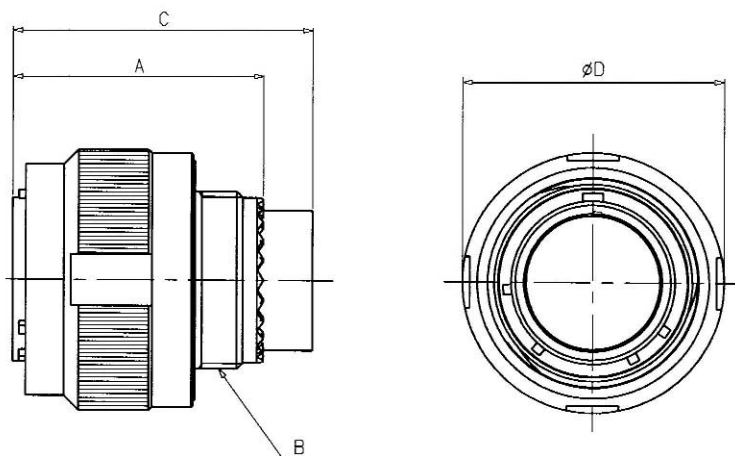
Connector for ELIO™ Termini: ELIO™ STEEL

ELIO™ STEEL - Receptacle type 24



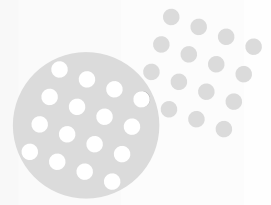
Shell Size	A Max.	B Max.	C Max.	D Max.	E Max.	F Max.	G ± 0.40	H Thread
09	16.53	9.90	3.20	16.40	30.50	24.00	27.00	M12 x 1-6g
11	19.07	9.90	3.20	16.40	35.20	27.00	31.80	M15 x 1-6g
13	23.82	9.90	3.20	16.40	38.40	32.00	34.90	M18 x 1-6g
17	30.15	9.90	3.20	16.40	44.80	41.30	41.30	M25 x 1-6g
21	36.50	9.90	3.20	16.40	52.70	49.20	49.20	M31 x 1-6g
25	42.85	9.90	3.20	16.40	59.00	55.60	55.60	M37 x 1-6g

ELIO™ STEEL - Plug type 26



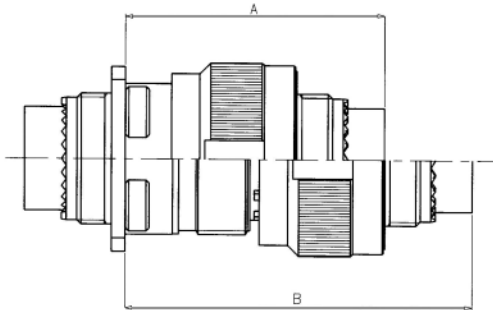
Shell Size	A Max.	B Thread	C Max.	D Max.
09	31.00	M12 x 1-6g	37.50	21.80
11	31.00	M15 x 1-6g	37.50	25.00
13	31.00	M18 x 1-6g	37.50	29.40
17	31.00	M25 x 1-6g	37.50	35.70
21	31.00	M31 x 1-6g	37.50	41.70
25	31.00	M37 x 1-6g	37.50	48.00

Dimensions in millimeters

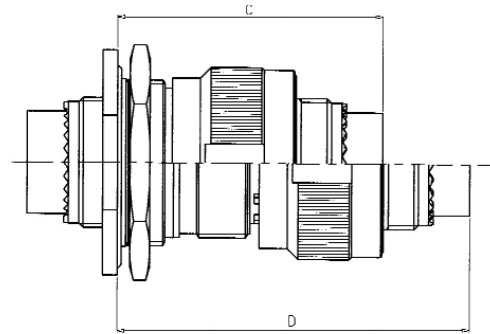


Connector for ELIO™ Termini: ELIO™ STEEL

ELIO™ STEEL - Mated connectors dimensions



Square flange receptacle type 20 with plug



Jam nut receptacle type 24 with plug

Shell Size	A Max.	B Max.	C Max.	D Max.
09	43.50	58.80	44.80	60.10
11	43.50	58.80	44.80	60.10
13	43.50	58.80	45.00	60.30
17	43.50	58.80	45.00	60.30
21	42.50	57.80	45.00	60.30
25	42.50	57.80	45.00	60.30

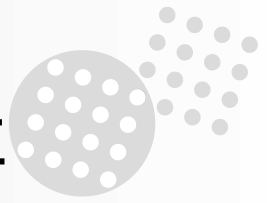
Dimensions in millimeters

4 - ORDERING INFORMATION

	D 38999	26	E	K	A	01	A	N												
Shell Type																				
26 - Plug																				
20 - Receptacle with 4 hole square flange fixing																				
24 - Receptacle with single hole jam nut fixing																				
Designation																				
E - ELIO™ optical connector																				
Plating																				
K - Stainless Steel																				
S - Stainless Steel Nickel plated																				
Shell Size																				
<table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> <th>E</th> <th>G</th> <th>J</th> </tr> </thead> <tbody> <tr> <td>09</td> <td>11</td> <td>13</td> <td>17</td> <td>21</td> <td>25</td> </tr> </tbody> </table>	A	B	C	E	G	J	09	11	13	17	21	25								
A	B	C	E	G	J															
09	11	13	17	21	25															
Insert Arrangement																				
see table 1																				
Male/Female insert																				
A - Male insert																				
B - Female insert with ceramic alignment sleeves																				
C - Female insert with phosphor bronze alignment sleeves*																				
Polarization N, A, B, C, D, E																				

* Recommended for fiber starting from 200/230 μm

Connector for ELIO™ Termini: ELIO™ BRONZE

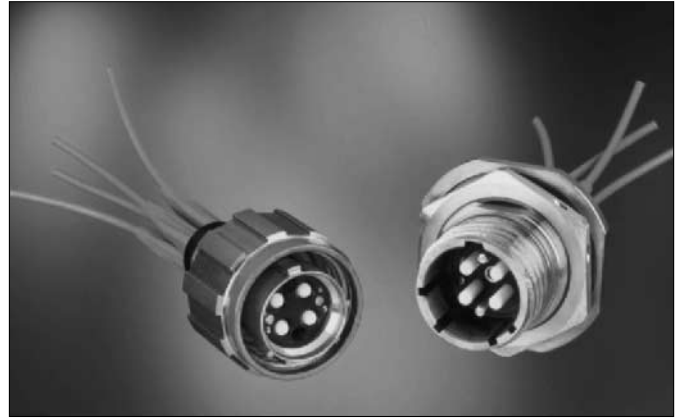


1/ CHARACTERISTICS

- Standard MIL-DTL-38999 Series III bronze shell
- Compatible with ELIO™ termini
- Robust connector
- Environmental performance as per MIL-DTL-38999 and EN 3645 standard
- Temperature range: -65° C, +150° C

Applications

Fiber optic connector for all marine purposes: navy vessels, military, merchant fleet, transportation, oceanography, field equipment, battle-field cables



Mechanical

- Shell: Bronze shell
- Endurance: 500 mating / unmating operations
- Shocks: 300 g, 3 ms as per EN 2591-6402 method A and MIL-STD-1344
- Vibrations:
 - random 50 to 2000 Hz, 3 x 8 hours
 - 1 g²/Hz, as per EN 2591-6403 and MIL-STD-1344
 - sine 1 to 16 Hz amplitude 2 mm, 16 to 55 Hz - 2g
- Contact retention: minimum 110 daN

Environmental

- Salt spray: 2000 hours
- Temperature range: -65° C, +125° C long term (1000 hours), +150°C short term (100 hours)
- Sealing:
 - 3 cycles (3 x 1 hours) altitude immersion 1,1 kPa in accordance with EN 2591-314 and MIL-STD-1344 IP 68
- Damp heat: 10 cycles of 24 hours in accordance with EN 2591-321 and MIL-STD-1344
- Fire resistant:
 - 30 seconds fire exposure as per EN 2591-317 and MIL-STD-1344 UL94-V0

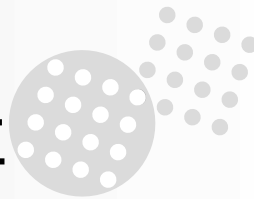
Resistance to fluids as per MIL-DTL-38999 standard

- Gasoline: JP5 (OTAN F44)
- Mineral hydraulic fluid: MIL-H-5606 (OTAN H515)
- Synthetic hydraulic fluid: skydrol 500 B4, LD4 (SAE AS 1241)
- Mineral lubricating: MIL-L-7870A (OTAN 0142)
- Synthetic lubricating:
 - MIL-L-23699 (OTAN 0156)
 - MIL-L-7808
- Cleaning fluid: MIL-C-25769 diluted
- De-icing fluid: MIL-A-8243
- Extinguishing fluid: Chlorobromomethane
- Cooling fluid: Coolanol

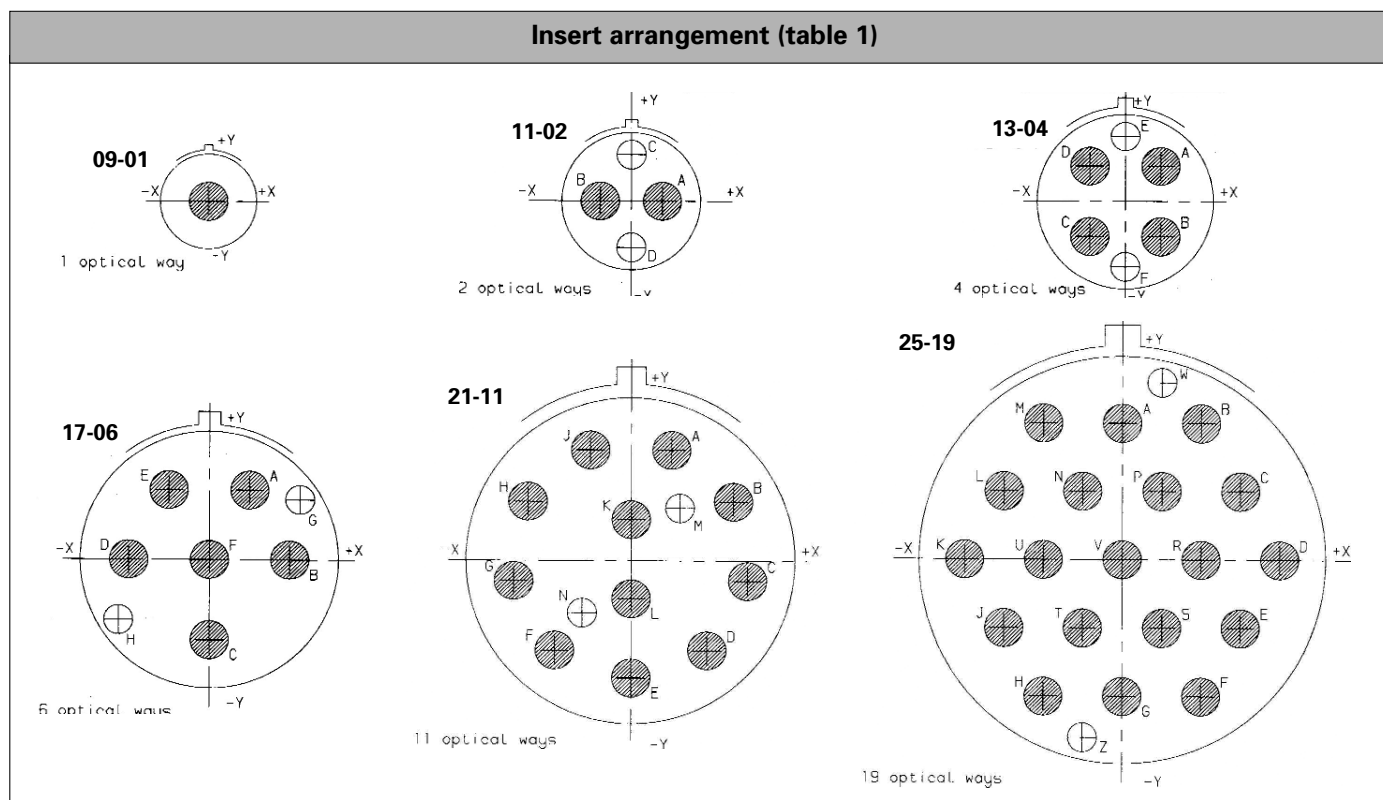
Optical

- Compatible with ELIO™ termini
- Typical Insertion Loss
 - Singlemode: 0.3 dB @ 1300 nm
 - Multimode: 0.2 dB @ 1300 nm
- Typical Return Loss
 - Singlemode: -30 dB @ 1300 nm
 - Multimode: -30dB @ 1300 nm
- Maximum IL during and after climatic tests: 0.7 dB at 1300 nm and 850 nm for multimode 62.5/125 fiber

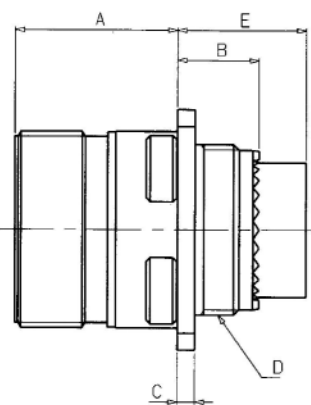
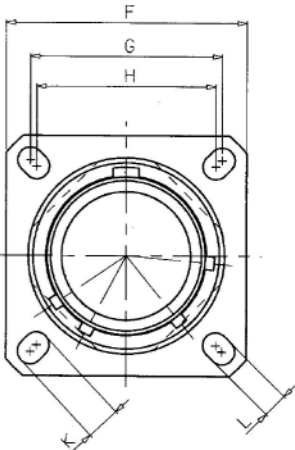
Connector for ELIO™ Termini: ELIO™ BRONZE



2 - INSERT ARRANGEMENTS



3 - DIMENSIONS

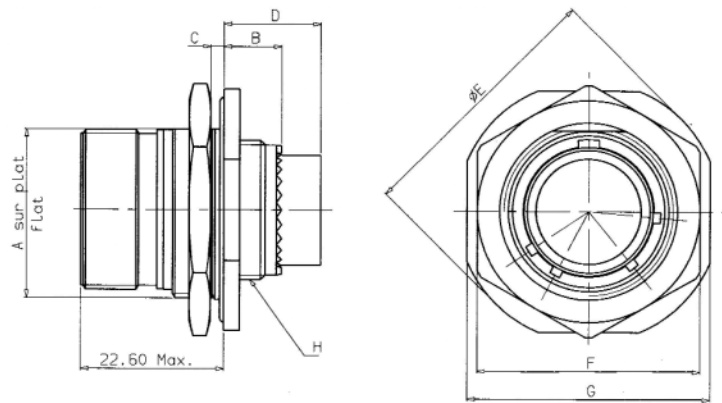
ELIO™ BRONZE - Receptacle type 0										
										
Shell Size	A Max.	B Max.	C Max.	D Thread	E Max.	F ± 0.30	G	H	K ± 0.20	L ± 0.20
09	20.10	11.40	2.50	M12 x 1-6g	17.10	23.80	18.26	15.09	5.49	3.25
11	20.10	11.40	2.50	M15 x 1-6g	17.10	26.20	20.62	18.26	4.93	3.25
13	20.10	11.40	2.50	M18 x 1-6g	17.10	28.60	23.01	20.62	4.93	3.25
17	20.10	11.40	2.50	M25 x 1-6g	17.10	33.30	26.97	24.61	4.93	3.25
21	20.10	11.40	3.20	M31 x 1-6g	17.90	39.70	31.75	29.36	4.93	3.25
25	20.10	11.40	3.20	M37 x 1-6g	17.90	46.00	38.10	34.93	6.15	3.91

Dimensions in millimeters

Connector for ELIO™ Termini: ELIO™ BRONZE

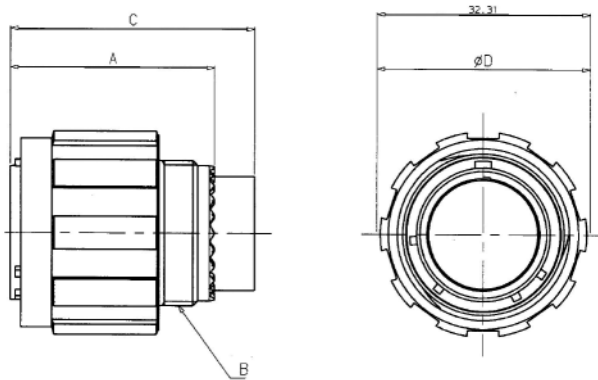


ELIO™ BRONZE - Receptacle type 7 - front face of male insert



Shell Size	A $+0.10$ -0.15	B Max.	C Max.	D Max.	E Max.	F Max.	G ± 0.40	H Thread
09	16.53	9.90	3.20	16.40	30.50	24.00	27.00	M17 x 1-6g
11	19.07	9.90	3.20	16.40	35.20	27.00	31.80	M20 x 1-6g
13	23.82	9.90	3.20	16.40	38.40	32.00	34.90	M25 x 1-6g
17	30.15	9.90	3.20	16.40	44.80	37.00	41.30	M32 x 1-6g
21	36.50	9.90	3.20	16.40	52.70	46.00	49.20	M38 x 1-6g
25	42.85	9.90	3.20	16.40	59.00	51.20	55.60	M44 x 1-6g

ELIO™ BRONZE - Plug type 6



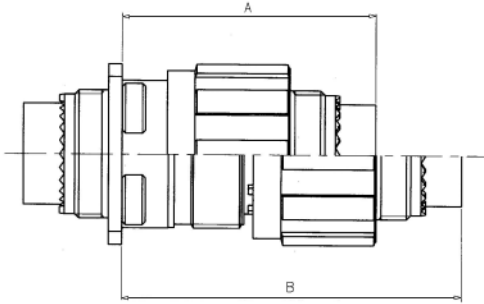
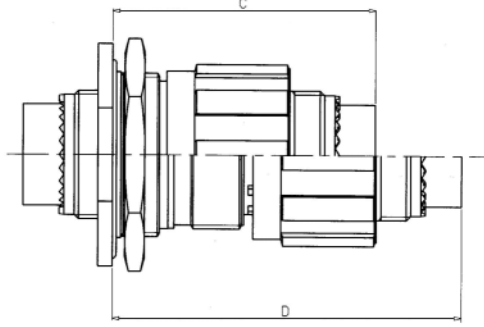
Shell Size	A Max.	B Thread	C Max.	D Max.
09	31.00	M12 x 1-6g	37.50	21.10
11	31.00	M15 x 1-6g	37.50	23.80
13	31.00	M18 x 1-6g	37.50	28.20
17	31.00	M25 x 1-6g	37.50	36.50
21	31.00	M31 x 1-6g	37.50	42.50
25	31.00	M37 x 1-6g	37.50	48.40

Dimensions in millimeters

38999
for ELIO™

Connector for ELIO™ Termini: ELIO™ BRONZE



ELIO™ BRONZE - Mated connectors dimensions				
				
Square flange receptacle type 0 with plug		Jam Nut receptacle type 7 with plug		
Shell Size	A Max.	B Max.	C Max.	D Max.
09	43.50	58.80	44.80	60.10
11	43.50	58.80	44.80	60.10
13	43.50	58.80	45.00	60.30
17	43.50	58.80	45.00	60.30
21	43.50	58.80	45.00	60.30
25	43.50	58.80	45.00	60.30

Dimensions in millimeters

4 - ORDERING INFORMATION

JVS E	6	A	11	02	A	N
Shell Style 6 - Plug 0 - Receptacle with 4 hole square flange fixing 1 - Receptacle with round flange 7 - Receptacle with single hole jam nut fixing						
Material A - Bronze						
Shell size see table 1						
Insert Arrangement see table 1						
Male/Female insert A - Male insert B - Female insert with ceramic alignment sleeves B - Female insert with phosphor bronze alignment sleeves*						
Polarization N, A, B, C, D, E						

* Recommended for fiber starting from 200/230 μm