



# DEUTSCH

BRANCHE CONNECTEURS AEROMILITAIRES



***AFD series*** *Norme MIL-C 26482 G*

*Series 2*

|                                       |           |
|---------------------------------------|-----------|
| <u>Introduction</u>                   | <u>1</u>  |
| <u>Advantage</u>                      | <u>2</u>  |
| <u>Technical characteristics</u>      | <u>3</u>  |
| <u>Part-numbering system</u>          | <u>4</u>  |
| <u>Standard equivalence</u>           | <u>5</u>  |
| <u>Synoptic</u>                       | <u>6</u>  |
| <u>Arrangements</u>                   | <u>8</u>  |
| <u>Receptacles</u>                    | <u>10</u> |
| <u>Plugs</u>                          | <u>14</u> |
| <u>Large receptacles</u>              | <u>18</u> |
| <u>Mating and unmating dimensions</u> | <u>21</u> |
| <u>Accessories</u>                    | <u>22</u> |
| <u>Protective covers</u>              | <u>24</u> |
| <u>Contacts and tools</u>             | <u>26</u> |
| <u>Contacts and tools for coax</u>    | <u>28</u> |
| <u>Bushings</u>                       | <u>30</u> |
| <u>Part-numbering system hermetic</u> | <u>31</u> |
| <u>Hermetic receptacles</u>           | <u>33</u> |



- 1** – Triple wire seal.
- 2** – Mechanical retention of insert into shell by means of snap ring.
- 3** – Interfacial seal ensured by compression of insert and static / dynamic seal.
- 4** – Contacts individual sealing at coupling stage by compression of elastomer conical risers on hard insert.
- 5** – Anti-friction washers for constant mating force.
- 6** – Insert to shell sealing with potting.
- 7** – Connector's rear part fitted with a teeth anti-rotation system assuming an effective tightening and clamping.

Representing the most advanced design in use which both reflects and sets the pace for future developments, Compagnie DEUTSCH presents its AFD series connectors meet requirements of MIL-C 26482 G series 2 bayonet coupling connectors.

The Compagnie DEUTSCH AFD series connectors offer several advantages over previous devices such as :

- Higher performance characteristics.
- Completely sealed against rigorous environments.
- Reduced assembly and rework costs.
- Simplified assembly procedures.
- Hard plastic socket interface prevents penetration of bent pins.
- Rear release system from the rear of the connector.
- RFI fingers available for AFD 57 only.
- Intermateability and interchangeability with Compagnie DEUTSCH series connectors :
  - 951 meet requirements of NFL 54125 B and UTE 93422 model HE 301 B.
  - FDDB meet requirements of MIL-C 26482 and UTE 93422 model HE 302 and 303.
- Available in 9 shell sizes and 27 various insert arrangements.
- Hermetically sealed electrical connectors in DBC version.

## Mechanical

|                       |                        |                                                                                                                                  |
|-----------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Shell and accessoires | Material<br>Plating    | : Aluminum alloy<br>: Nickel, standard, corrosion test as per MIL - STD 1344<br>Modifications index olive drab cadmium           |
| Silicone insert       | Material<br>Resistance | : Front and rear silicone inserts are devoid of all organic matter<br>: Withstands fluids to MIL-C 26482 G standard              |
| Contact               | Type<br>Finish         | : Crimp type<br>: Gold over nickel                                                                                               |
| Durability            |                        | : 500 full coupling and uncoupling cycles<br>250 RFI fingers cycles                                                              |
| Contact Retention     |                        | Contacts withstand a minimum load of<br>: Size 20 : 6,93 daN<br>Size 16 : 11,56 daN<br>Size 12 : 11,56 daN<br>Size 8 : 11,56 daN |
| Temperature           |                        | : - 55° C to + 200° C                                                                                                            |
| Air Leakage           |                        | : Leakage inferior to 16 cm <sup>3</sup> /hour under a 2,1 bars differential pressure                                            |
| Thermal Shocks        |                        | : 5 cycles of - 55° C to + 200° C                                                                                                |
| Vibrations            |                        | : No mechanical nor electrical failure further to 12 hours vibration (4 hours in the 3 axes), 20 G from 10 to 2000 Hz            |
| Physical Shocks       |                        | : 100 G 11 ms in the 3 axes                                                                                                      |

## Electrical

|                                 |                     |                                                                                                                                                                       |
|---------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Withstanding voltage            | at sea level        | : Service 1 : 1500 V 50 Hz (R.M.S)<br>Service 2 : 2300 V 50 Hz (R.M.S)                                                                                                |
|                                 | at 15000 m altitude | : Service 1 : 500 V<br>Service 2 : 750 V                                                                                                                              |
|                                 | at 21000 m altitude | : Service 1 : 375 V<br>Service 2 : 500 V                                                                                                                              |
|                                 | at 33000 m altitude | : Service 1 : 200 V<br>Service 2 : 200 V                                                                                                                              |
| Insulation resistance           |                     | : Higher than 5000 MΩ at 25° C at 60% R.H.                                                                                                                            |
| Contacts maximum current        |                     | : Size 20 : 7,5 A.<br>Size 16 : 13 A.<br>Size 12 : 23 A.<br>Size 8 : 46 A.                                                                                            |
| Contact millivolt drop          |                     | : Size 20 : 15 mv at 7,5 A.<br>Size 16 : 21 mv at 13 A.<br>Size 12 : 22 mv at 23 A.<br>Size 8 : 25 mv at 23 A.                                                        |
| Allowed wires section           |                     | : Size 20 : 0,21 to 0,60 mm <sup>2</sup><br>Size 16 : 0,60 to 1,34 mm <sup>2</sup><br>Size 12 : 1,91 to 3,18 mm <sup>2</sup><br>Size 8 : 5,30 to 8,98 mm <sup>2</sup> |
| Diameter over insulating sheath |                     | : Size 20 : 1,01 to 2,10 mm<br>Size 16 : 1,73 to 2,62 mm<br>Size 12 : 2,69 to 4,01 mm<br>Size 8 : 3,80 to 5,15 mm                                                     |



## Connectors weight in grams

| Size  | AFD 50<br>Shell and contacts<br>without backshell |        | AFD 54<br>Shell and contacts<br>without backshell |        | AFD 56/57<br>Shell and contacts<br>without backshell |        | Accessories weight |                      |                          |
|-------|---------------------------------------------------|--------|---------------------------------------------------|--------|------------------------------------------------------|--------|--------------------|----------------------|--------------------------|
|       | Male                                              | Female | Male                                              | Female | Male                                                 | Female | Backshell          | Straight cable clamp | 90° end bell cable clamp |
| 8-3A  | 7,60*                                             | 8,00   | 10,80*                                            | 11,20  | 10,00                                                | 10,40  | 2,44               | 6,50                 | 8,35                     |
| 10-06 | 11,50                                             | 12,30  | 14,50                                             | 15,20  | 14,70                                                | 15,50  | 5,49               | 7,90                 | 10,10                    |
| 12-10 | 14,50                                             | 15,20* | 20,90                                             | 21,60  | 20,10                                                | 20,80  | 6,48               | 7,70                 | 11,70                    |
| 14-19 | 18,00                                             | 19,50* | 25,80*                                            | 27,30  | 22,50                                                | 24,00  | 7,48               | 9,90                 | 15,20                    |
| 16-26 | 23,10                                             | 25,70* | 31,50                                             | 34,10* | 28,70                                                | 31,30  | 8,99               | 12,00                | 16,50                    |
| 18-32 | 26,10*                                            | 29,00  | 37,60*                                            | 40,50  | 34,00                                                | 36,90  | 10,97              | 13,70                | 20,35                    |
| 20-41 | 32,20*                                            | 36,20  | 49,10                                             | 53,10* | 39,70                                                | 43,70  | 11,97              | 15,00                | 24,90                    |
| 22-55 | 39,80*                                            | 44,00  | 56,80*                                            | 61,00  | 46,00                                                | 50,20  | 13,97              | 17,10                | 26,20                    |
| 24-61 | 49,50*                                            | 56,00  | 65,50*                                            | 72,00  | 53,10                                                | 61,20  | 15,16              | 18,50                | 34,70                    |

\* Calculated value

## Contacts weight in grams

| Taille | Type | Reference     | Weight in grams |
|--------|------|---------------|-----------------|
| 20     | P    | 006-0937-20-A | 0,25            |
|        | S    | 006-0912-20   | 0,28            |
| 16     | P    | 006-0937-16-A | 0,56            |
|        | S    | 006-0912-16   | 0,61            |
| 12     | P    | 006-0937-12-A | 1,23            |
|        | S    | 006-0912-12   | 1,22            |
| 08     | P    | 005-0893-08   | 3,18            |
|        | S    | 005-0896-08   | 2,90            |
| Coax.  | P    | 005-0920-00   | 6,68            |
|        | S    | 005-0921-00   | 6,88            |

## Connectors

| Reference<br>MIL-C 83723 | Reference<br>MS 3470 | Reference<br>Panavia 6432 | Reference<br>Deutsch | Finish                      |
|--------------------------|----------------------|---------------------------|----------------------|-----------------------------|
| -                        | -                    | PAN 6432-1B-**-P/N        | AFD 50-**-P/N A 5324 | Olive drab cadmium          |
| -                        | MS 3470-W-**-P/N     | -                         | AFD 50-**-P/N A 5727 | Olive drab cadmium          |
| M 83723-02-R-**-N        | MS 3470-L-**-P/N     | -                         | AFD 50-**-P/N A 5730 | Nickel plating              |
| M 83723-02-A-**-N        | -                    | -                         | AFD 50-**-P/N 6116   | Black anodized              |
| -                        | -                    | PAN 6432-1B-**-P/N        | AFD 50-**-S/N A 5324 | Olive drab cadmium          |
| -                        | MS 3470-W-**-S/N     | -                         | AFD 50-**-S/N A 5727 | Olive drab cadmium          |
| M 83723-01-R-**-N        | MS 3470-L-**-S/N     | -                         | AFD 50-**-S/N A 5730 | Nickel plating              |
| M 83723-01-A-**-N        | -                    | -                         | AFD 50-**-S/N 6116   | Black anodized              |
| -                        | MS 3472-W-**-P/N     | -                         | AFD 58-**-P/N A 5727 | Olive drab cadmium          |
| M 83723-04-R-**-N        | MS 3472-L-**-P/N     | -                         | AFD 58-**-P/N A 5730 | Contacts with 3 color bands |
| M 83723-04-A-**-N        | -                    | -                         | AFD 58-**-P/N 6116   | Black anodized              |
| -                        | MS 3472-W-**-S/N     | -                         | AFD 58-**-S/N A 5727 | Olive drab cadmium          |
| M 83723-03-R-**-N        | MS 3472-L-**-S/N     | -                         | AFD 58-**-S/N A 5730 | Nickel plating              |
| M 83723-03-A-**-N        | -                    | -                         | AFD 58-**-S/N 6116   | Black anodized              |
| -                        | -                    | PAN 6432-1A-**-P/N        | AFD 54-**-P/N A 5324 | Olive drab cadmium          |
| -                        | MS 3474-W-**-P/N     | -                         | AFD 54-**-P/N A 5727 | Olive drab cadmium          |
| M 83723-06-R-**-N        | MS 3474-L-**-P/N     | -                         | AFD 54-**-P/N A 5730 | Nickel plating              |
| M 83723-06-A-**-N        | -                    | -                         | AFD 54-**-P/N 6116   | Black anodized              |
| -                        | -                    | PAN 6432-1A-**-S/N        | AFD 54-**-S/N A 5324 | Olive drab cadmium          |
| -                        | MS 3474-W-**-S/N     | -                         | AFD 54-**-S/N A 5727 | Olive drab cadmium          |
| M 83723-05-R-**-N        | MS 3474-L-**-S/N     | -                         | AFD 54-**-S/N A 5730 | Nickel plating              |
| M 83723-05-A-**-N        | -                    | -                         | AFD 54-**-S/N 6116   | Black anodized              |
| -                        | MS 3471-W-**-P/N     | -                         | AFD 51-**-P/N A 5727 | Olive drab cadmium          |
| M 83723-08-R-**-N        | MS 3471-L-**-P/N     | -                         | AFD 51-**-P/N A 5730 | Nickel plating              |
| M 83723-08-A-**-N        | -                    | -                         | AFD 51-**-P/N 6116   | Black anodized              |
| -                        | MS 3471-W-**-S/N     | -                         | AFD 51-**-S/N A 5727 | Olive drab cadmium          |
| M 83723-07-R-**-N        | MS 3471-L-**-S/N     | -                         | AFD 51-**-S/N A 5730 | Nickel plating              |
| M 83723-07-A-**-N        | -                    | -                         | AFD 51-**-S/N 6116   | Black anodized              |
| -                        | -                    | PAN 6432-1F-**-P/N        | AFD 56-**-P/N A 5324 | Olive drab cadmium          |
| -                        | MS 3476-W-**-P/N     | -                         | AFD 56-**-P/N A 5727 | Olive drab cadmium          |
| M 83723-14-R-**-N        | MS 3476-L-**-P/N     | -                         | AFD 56-**-P/N A 5730 | Nickel plating              |
| M 83723-14-A-**-N        | -                    | -                         | AFD 56-**-P/N 6116   | Black anodized              |
| -                        | -                    | PAN 6432-1F-**-S/N        | AFD 56-**-S/N A 5324 | Olive drab cadmium          |
| -                        | MS 3476-W-**-S/N     | -                         | AFD 56-**-S/N A 5727 | Olive drab cadmium          |
| MS 83723-13-R-**-N       | MS 3476-L-**-S/N     | -                         | AFD 56-**-S/N A 5730 | Nickel plating              |
| MS 83723-13-A-**-N       | -                    | -                         | AFD 56-**-S/N 6116   | Black anodized              |
| -                        | MS 3475-W-**-P/N     | -                         | AFD 57-**-P/N A 5727 | Olive drab cadmium          |
| M 83723-42-R-**-N        | MS 3475-L-**-P/N     | -                         | AFD 57-**-P/N A 5730 | Nickel plating              |
| M 83723-42-A-**-N        | -                    | -                         | AFD 57-**-P/N 6116   | Black anodized              |
| -                        | MS 3475-W-**-S/N     | -                         | AFD 57-**-S/N A 5727 | Olive drab cadmium          |
| M 83723-43-R-**-N        | MS 3475-L-**-S/N     | -                         | AFD 57-**-S/N A 5730 | Nickel plating              |
| M 83723-43-A-**-N        | -                    | -                         | AFD 57-**-S/N 6116   | Black anodized              |

## Rear accessories

| Nickel plated                            |                             | Olive drab cadmium                 |                                         |
|------------------------------------------|-----------------------------|------------------------------------|-----------------------------------------|
| Ms Nickel<br>Reference                   | Deutsch Nickel<br>Reference | MS olive drab cadmium<br>Reference | Deutsch olive drab cadmium<br>Reference |
| Backshell MS 3416-**-EN                  | 94002-**-3014               | MS 3416-**-EC                      | 94002-**- A 231                         |
| Straight cable clamp<br>MS 3417-**-N     | 94003-**-3014               | MS 3417-**-C                       | 94003-**-A 231                          |
| 90° end bell cable clamp<br>MS 3418-**-N | 94004-**-3014               | MS 3418-**-C                       | 94004-**- A 231                         |

## Contacts

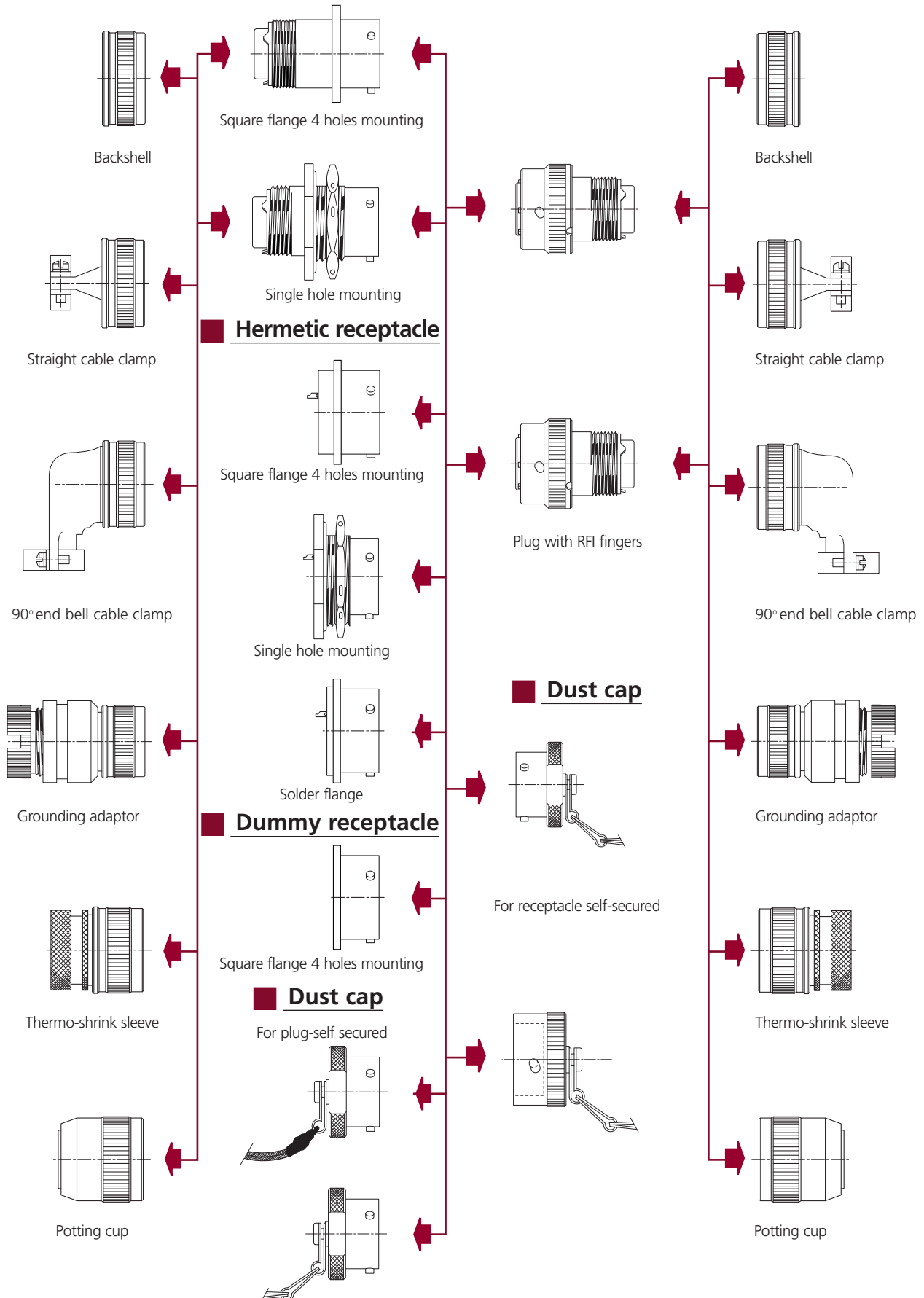
| Size | Type | Reference<br>norm | Deutsch reference<br>to be ordered |
|------|------|-------------------|------------------------------------|
| 20   | P    | M 39029/4-110     | 006-0937-20-A 834                  |
|      | S    | M 39029/5-115     | 006-0912-20-A 834                  |
| 16   | P    | M 39029/4-111     | 006-0937-16-A 834                  |
|      | S    | M 39029/5-116     | 006-0912-16-A 834                  |
| 16   | P    | M 39029/4-112     | 006-1168-16-A 834                  |
|      | S    | M 39029/5-117     | 006-1169-16-A 834                  |
| 12   | P    | M 39029/4-113     | 006-0937-12-A 834                  |
|      | S    | M 39029/5-118     | 006-0912-12-A 834                  |
| 12   | P    | M 39029/4-114     | 006-1157-12-A 834                  |
|      | S    | M 39029/5-119     | 006-1159-12-A 834                  |

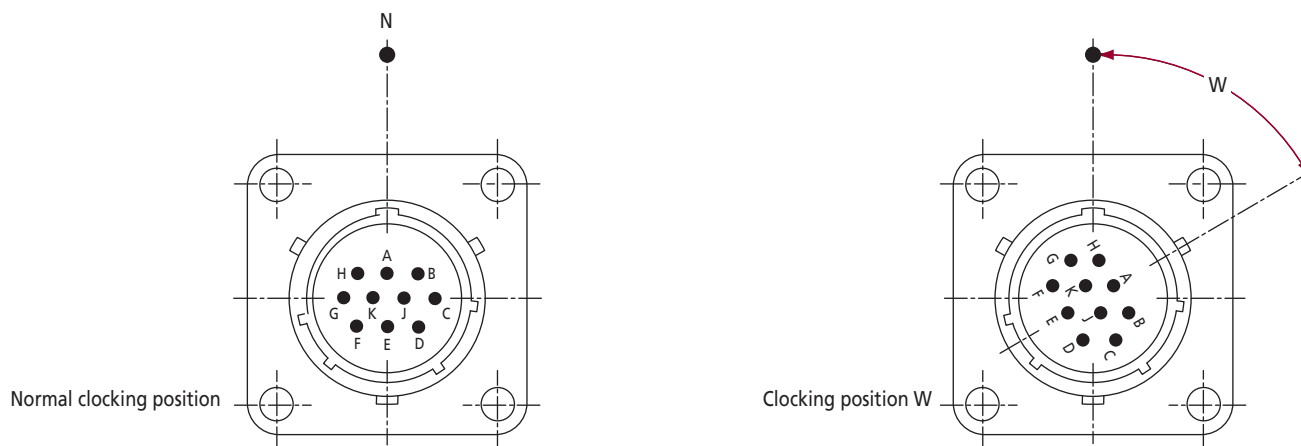
**Accessories**

**Receptacles**

**Plugs**

**Accessories**





Exemple of insert angular displacement, pin front face view

Clocking position is normal when the insert vertical axis is intermingled with the shell keyway axis. An unkeying can be performed between 2 connectors of same layout by angular displacement of one of the inserts in its shell. This insert rotation is made in the clockwise for pin layouts and in the counter clockwise for socket layouts. Angular displacements on the hereafter table give clocking positions W, X, Y or Z.

| Insert Arrangt. | Clocking position in degrees |     |     |     | Contacts sizes |    |    |           |          |          |      |
|-----------------|------------------------------|-----|-----|-----|----------------|----|----|-----------|----------|----------|------|
|                 | w                            | x   | y   | z   | 20             | 16 | 12 | 8 or Coax | Standard | Hermetic | Serv |
| 08-3A           | 60                           | -   | -   | -   | 3              | -  | -  | -         | 1        | 1        | I    |
| 08-33           | 90                           | -   | -   | -   | 3              | -  | -  | -         | 1        | 1        | I    |
| 8-98            | 60                           | 210 | -   | -   | 3              | -  | -  | -         | 1        | 1        | I    |
| 10-6            | 90                           | -   | -   | -   | 6              | -  | -  | -         | 1        | 1        | I    |
| 12-3            | -                            | -   | 180 | -   | 3              | -  | -  | -         | 1        | 1        | II   |
| 12-8            | 90                           | 112 | 203 | 292 | 8              | -  | -  | -         | 1        |          | I    |
| 12-10           | 60                           | 155 | 270 | 295 | 10             | -  | -  | -         | 1        | 1        | I    |
| 14-4            | -                            | -   | -   | -   | -              | -  | 4  | -         | 1        | 1        | I    |
| 14-5            | 40                           | 92  | 184 | 273 | -              | 5  | -  | -         | 1        | 1        | II   |
| 14-12           | 43                           | 90  | -   | -   | 8              | 4  | -  | -         | 1        | 1        | I    |
| 14-15           | 17                           | 110 | 155 | 234 | 14             | 1  | -  | -         | 1        | 1        | I    |
| 14-18           | 15                           | 90  | 180 | 270 | 18             | -  | -  | -         | 1        | 1        | I    |
| 14-19           | 30                           | 165 | 315 | -   | 19             | -  | -  | -         | 1        | 1        | I    |
| 16-8            | 54                           | 152 | 180 | 331 | -              | 8  | -  | -         | 1        | 1        | II   |
| 16-26           | 60                           | 105 | 275 | 338 | 26             | -  | -  | -         | 1        | 1        | I    |
| 18-8            | -                            | -   | -   | -   | -              | -  | 8  | -         | 1        | 1        | I    |
| 18-11           | 62                           | 119 | 241 | 340 | -              | 11 | -  | -         | 1        |          | II   |
| 18-32           | 85                           | 138 | 222 | 265 | 32             | -  | -  | -         | 1        | 1        | I    |
| 18-918          | -                            | -   | -   | -   | 16             | -  | -  | 2         | 1        |          | I    |
| 20-16           | 238                          | 318 | 333 | 347 | -              | 16 | -  | -         | 1        | 1        | II   |
| 20-39           | 63                           | 144 | 252 | 333 | 37             | 2  | -  | -         | 1        | 1        | I    |
| 20-41           | 45                           | 126 | 225 | -   | 41             | -  | -  | -         | 1        | 1        | I    |
| 22-12           | -                            | -   | -   | -   | -              | -  | 12 | -         | 1        |          | I    |
| 22-21           | 16                           | 135 | 175 | 349 | -              | 21 | -  | -         | 1        |          | II   |
| 22-32           | 72                           | 145 | 215 | 288 | 32             | -  | -  | -         | 1        |          | I    |
| 22-41           | 39                           | 135 | 264 | -   | 27             | 14 | -  | -         | 1        | 1        | I    |
| 22-55           | 30                           | 142 | 226 | 314 | 55             | -  | -  | -         | 1        | 1        | I    |
| 24-19           | 30                           | 165 | 315 | -   | -              | -  | 19 | -         | 1        |          | II   |
| 24-31           | 90                           | 225 | -   | -   | -              | 31 | -  | -         | 1        |          | I    |
| 24-37           | 25                           | 50  | 75  | -   | -              | 37 | -  | -         | 1        |          | I    |
| 24-53           | -                            | -   | -   | -   | 51             | -  | -  | 2         | 1        |          | I    |
| 24-61           | 90                           | 180 | 270 | 324 | 61             | -  | -  | -         | 1        | 1        | I    |
| 24-100          | 45                           | 90  | 135 | -   | -              | -  | -  | 10        |          |          | I    |

Male insert, front face view or female insert, wiring side view.



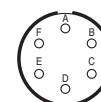
**Disposition 08-3A**  
3 contacts size 20



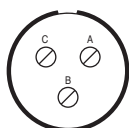
**Disposition 08-33**  
3 contacts size 20



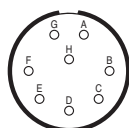
**Disposition 08-98**  
3 contacts size 20



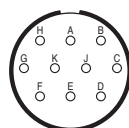
**Disposition 10-6**  
6 contacts size 20



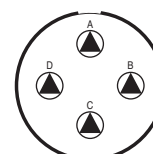
**Disposition 12-3**  
3 contacts size 16



**Disposition 12-8 \***  
8 contacts size 20



**Disposition 12-10**  
10 contacts size 20



**Disposition 14-4**  
4 contacts size 12



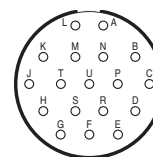
**Disposition 14-5**  
5 contacts size 16



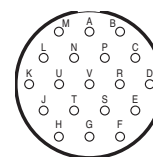
**Disposition 14-12**  
8 contacts size 20  
4 contacts size 16



**Disposition 14-15**  
14 contacts size 20  
1 contact size 16



**Disposition 14-18 \***  
18 contacts size 20



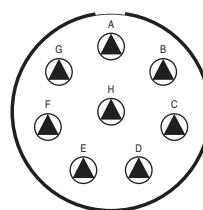
**Disposition 14-19**  
19 contacts size 20



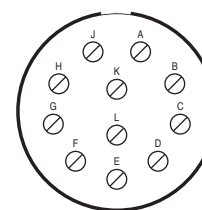
**Disposition 16-8**  
8 contacts size 16



**Disposition 16-26**  
26 contacts size 20



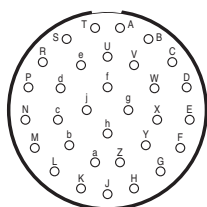
**Disposition 18-8**  
8 contacts size 12



**Disposition 18-11**  
11 contacts size 16

\* Consult us

Male insert, front face view or female insert, wiring side view.



**Disposition 18-32**  
32 contacts size 20



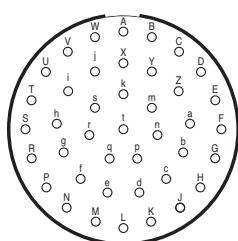
**Disposition 18-918 \***  
16 contacts size 20  
2 contacts size 8 or coax



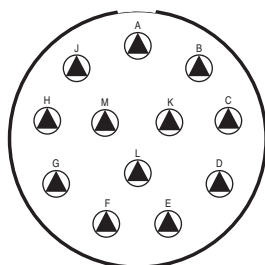
**Disposition 20-16**  
16 contacts size 16



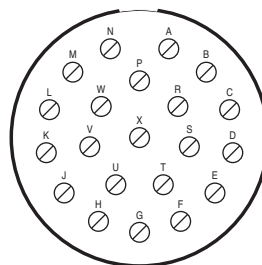
**Disposition 20-39**  
37 contacts size 20  
2 contacts size 16



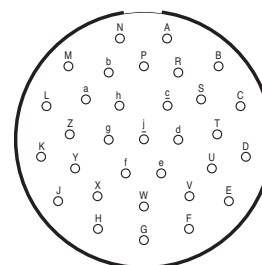
**Disposition 20-41 \***  
41 contacts size 20



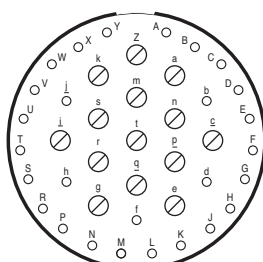
**Disposition 22-12**  
12 contacts size 12



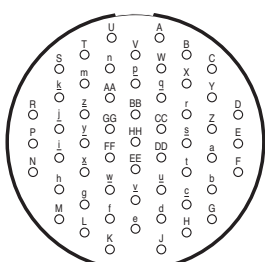
**Disposition 22-21 \***  
21 contacts size 16



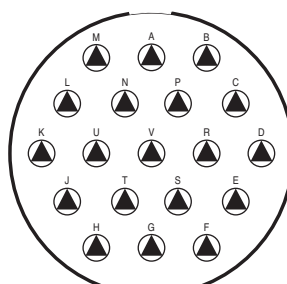
**Disposition 22-32 \***  
32 contacts size 20



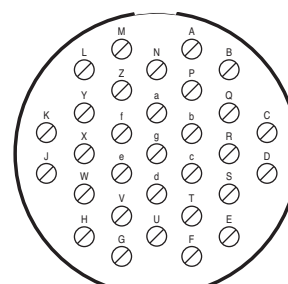
**Disposition 22-41**  
27 contacts size 20  
14 contacts size 16



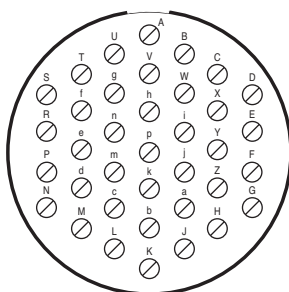
**Disposition 22-55**  
55 contacts size 20



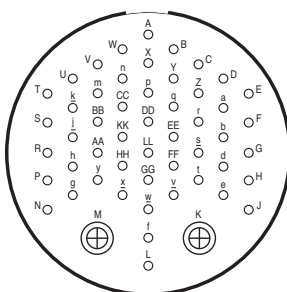
**Disposition 24-19**  
19 contacts size 12



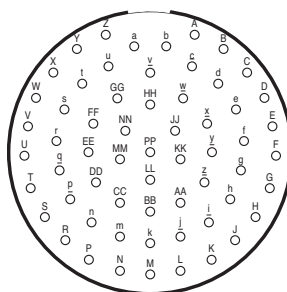
**Disposition 24-31**  
31 contacts size 16



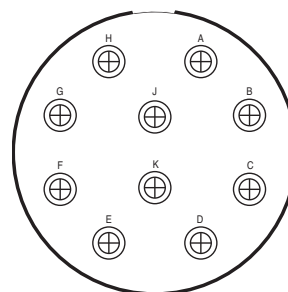
**Disposition 24-37 \***  
37 contacts size 16



**Disposition 24-53 \***  
51 contacts size 20  
2 coax or size 8



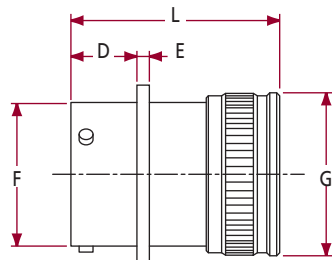
**Disposition 24-61**  
61 contacts size 20



**Disposition 24-100 \***  
10 coax or size 8

\* Consult us

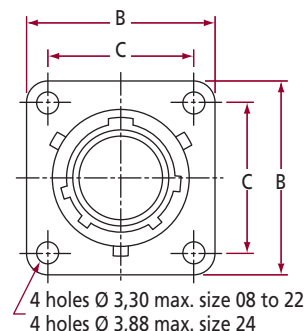
## Square flange



With backshell  
Nickel plating without Mod.  
Olive drab cadmium plating Mod. A 231

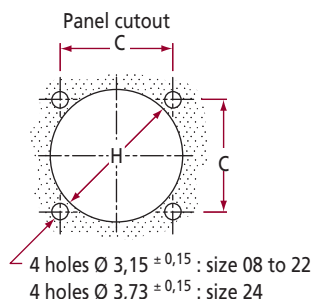
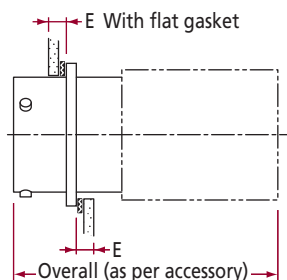


Without backshell  
Nickel plating Mod. 1A  
Olive drab cadmium plating Mod. A 5324



| Nickel Plating Reference |     | B max. | C ± 0,1 | D ± 0,15 | E max. | F max. | G max. | G1 max. | L max. | L1 max. | P max. | Olive Drab Cadmium Plating Reference |       |        |
|--------------------------|-----|--------|---------|----------|--------|--------|--------|---------|--------|---------|--------|--------------------------------------|-------|--------|
| AFD 50-08-**-P/S-*       | 1 A | 21,00  | 15,08   | 11,13    | 1,95   | 12,03  | 15,65  | 12,70   | 36,85  | 30,85   | 7,75   | AFD 50-08-**-P/S-*                   | A 231 | A 5324 |
| AFD 50-10-**-P/S-*       | 1 A | 24,20  | 18,26   | 11,13    | 1,95   | 15,01  | 18,60  | 15,85   | 36,85  | 30,85   | 10,29  | AFD 50-10-**-P/S-*                   | A 231 | A 5324 |
| AFD 50-12-**-P/S-*       | 1 A | 26,55  | 20,62   | 11,13    | 1,95   | 19,07  | 21,75  | 19,05   | 36,85  | 30,85   | 13,49  | AFD 50-12-**-P/S-*                   | A 231 | A 5324 |
| AFD 50-14-**-P/S-*       | 1 A | 28,95  | 23,02   | 11,13    | 1,95   | 22,24  | 24,95  | 22,20   | 36,85  | 30,85   | 16,89  | AFD 50-14-**-P/S-*                   | A 231 | A 5324 |
| AFD 50-16-**-P/S-*       | 1 A | 31,30  | 24,58   | 11,13    | 1,95   | 25,42  | 28,20  | 25,40   | 36,85  | 30,85   | 20,07  | AFD 50-16-**-P/S-*                   | A 231 | A 5324 |
| AFD 50-18-**-P/S-*       | 1 A | 33,70  | 26,98   | 11,13    | 1,95   | 28,60  | 30,90  | 26,95   | 36,85  | 30,85   | 22,07  | AFD 50-18-**-P/S-*                   | A 231 | A 5324 |
| AFD 50-20-**-P/S-*       | 1 A | 36,85  | 29,36   | 14,30    | 2,55   | 31,77  | 34,15  | 30,15   | 38,40  | 32,35   | 25,25  | AFD 50-20-**-P/S-*                   | A 231 | A 5324 |
| AFD 50-22-**-P/S-*       | 1 A | 39,95  | 31,76   | 14,30    | 2,55   | 34,94  | 37,25  | 33,30   | 38,40  | 32,35   | 28,42  | AFD 50-22-**-P/S-*                   | A 231 | A 5324 |
| AFD 50-24-**-P/S-*       | 1 A | 43,15  | 34,92   | 15,10    | 2,55   | 38,12  | 40,45  | 36,50   | 38,40  | 32,35   | 31,60  | AFD 50-24-**-P/S-*                   | A 231 | A 5324 |

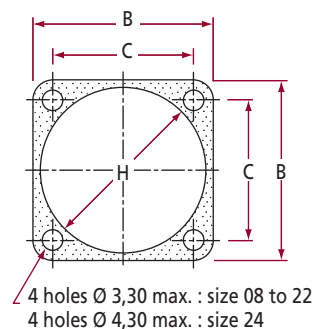
## Mounting styles



| Size | C ± 0,1 | H +0 -0,2 | E max. |
|------|---------|-----------|--------|
| 08   | 15,08   | 16,05     | 2,50   |
| 10   | 18,26   | 19,00     | 2,50   |
| 12   | 20,62   | 22,25     | 2,50   |
| 14   | 23,02   | 25,40     | 2,50   |
| 16   | 24,58   | 28,60     | 2,50   |
| 18   | 26,98   | 31,75     | 2,50   |
| 20   | 29,36   | 34,90     | 5,40   |
| 22   | 31,76   | 38,10     | 5,40   |
| 24   | 34,92   | 41,30     | 5,40   |

## Flat gasket for square flange

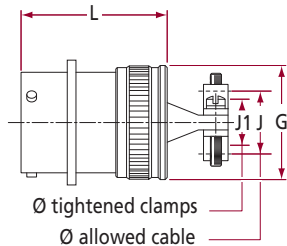
To order apart



| Front Flange Mounting |                   |        |        |         |        | Rear Flange Mounting |                   |      |
|-----------------------|-------------------|--------|--------|---------|--------|----------------------|-------------------|------|
| Size                  | Reference         | H max. | B max. | C ± 0,1 | E max. | H max.               | Reference         | Size |
| 08                    | 108-0003-08-A 624 | 12,50  | 21,00  | 15,08   | 2,50   | 13,20                | 108-0001-08-A 624 | 08   |
| 10                    | 108-0003-10-A 624 | 15,40  | 24,20  | 18,26   | 2,50   | 16,40                | 108-0001-10-A 624 | 10   |
| 12                    | 108-0001-12-A 624 | 19,50  | 26,55  | 20,62   | 2,50   | 19,50                | 108-0001-12-A 624 | 12   |
| 14                    | 108-0001-14-A 624 | 22,70  | 28,95  | 23,02   | 2,50   | 22,70                | 108-0001-14-A 624 | 14   |
| 16                    | 108-0001-16-A 624 | 25,90  | 31,30  | 24,58   | 2,50   | 25,90                | 108-0001-16-A 624 | 16   |
| 18                    | 108-0003-18-A 624 | 29,10  | 33,70  | 26,98   | 2,50   | 27,50                | 108-0001-18-A 624 | 18   |
| 20                    | 108-0003-20-A 624 | 32,30  | 36,85  | 29,36   | 5,40   | 30,60                | 108-0001-20-A 624 | 20   |
| 22                    | 108-0003-22-A 624 | 35,40  | 39,95  | 31,75   | 5,40   | 33,50                | 108-0001-22-A 624 | 22   |
| 24                    | 108-0003-24-A 624 | 38,60  | 43,15  | 34,92   | 5,40   | 37,00                | 108-0001-24-A 624 | 24   |

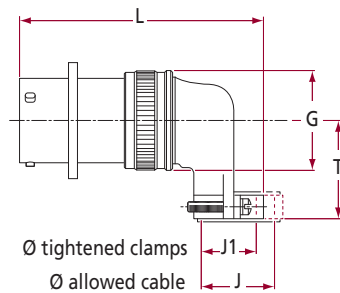
## Square flange

### With straight cable clamp



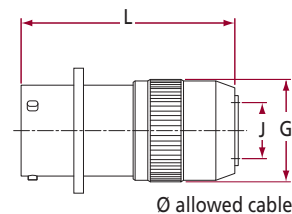
| Nickel Plating Reference | G max. | J mini. | J1 max. | L max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|---------|--------|--------------------------------------|
| AFD 50-08-**-P/S-* 059   | 15,65  | 6,80    | 5,15    | 45,85  | AFD 50-08-**-P/S-* A 5347            |
| AFD 50-10-**-P/S-* 059   | 18,60  | 9,30    | 7,25    | 45,85  | AFD 50-10-**-P/S-* A 5347            |
| AFD 50-12-**-P/S-* 059   | 21,75  | 12,75   | 10,55   | 45,85  | AFD 50-12-**-P/S-* A 5347            |
| AFD 50-14-**-P/S-* 059   | 24,95  | 14,65   | 12,05   | 51,85  | AFD 50-14-**-P/S-* A 5347            |
| AFD 50-16-**-P/S-* 059   | 28,20  | 17,80   | 15,85   | 51,85  | AFD 50-16-**-P/S-* A 5347            |
| AFD 50-18-**-P/S-* 059   | 30,90  | 19,80   | 17,90   | 51,85  | AFD 50-18-**-P/S-* A 5347            |
| AFD 50-20-**-P/S-* 059   | 34,15  | 23,00   | 21,05   | 53,35  | AFD 50-20-**-P/S-* A 5347            |
| AFD 50-22-**-P/S-* 059   | 37,25  | 26,15   | 24,25   | 53,35  | AFD 50-22-**-P/S-* A 5347            |
| AFD 50-24-**-P/S-* 059   | 40,45  | 29,10   | 27,45   | 53,35  | AFD 50-24-**-P/S-* A 5347            |

### With 90° end bell cable clamp



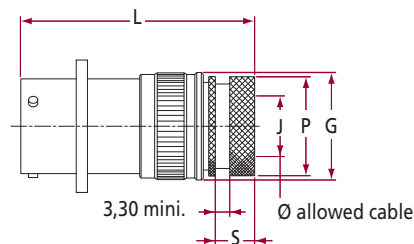
| Nickel Plating Reference | G max. | J mini. | J1 max. | L max. | T max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|---------|--------|--------|--------------------------------------|
| AFD 50-08-**-P/S-* 081   | 15,65  | 6,80    | 5,15    | 49,30  | 20,70  | AFD 50-08-**-P/S-* A 5543            |
| AFD 50-10-**-P/S-* 081   | 18,60  | 9,30    | 7,25    | 51,65  | 22,00  | AFD 50-10-**-P/S-* A 5543            |
| AFD 50-12-**-P/S-* 081   | 21,75  | 12,75   | 10,55   | 54,10  | 23,80  | AFD 50-12-**-P/S-* A 5543            |
| AFD 50-14-**-P/S-* 081   | 24,95  | 14,65   | 12,05   | 57,35  | 25,30  | AFD 50-14-**-P/S-* A 5543            |
| AFD 50-16-**-P/S-* 081   | 28,20  | 17,80   | 15,85   | 60,75  | 26,80  | AFD 50-16-**-P/S-* A 5543            |
| AFD 50-18-**-P/S-* 081   | 30,90  | 19,80   | 17,90   | 64,20  | 28,30  | AFD 50-18-**-P/S-* A 5543            |
| AFD 50-20-**-P/S-* 081   | 34,15  | 23,00   | 21,05   | 69,05  | 29,90  | AFD 50-20-**-P/S-* A 5543            |
| AFD 50-22-**-P/S-* 081   | 37,25  | 26,15   | 24,25   | 72,15  | 31,60  | AFD 50-22-**-P/S-* A 5543            |
| AFD 50-24-**-P/S-* 081   | 40,45  | 29,10   | 27,45   | 75,25  | 33,20  | AFD 50-24-**-P/S-* A 5543            |

### With potting cup



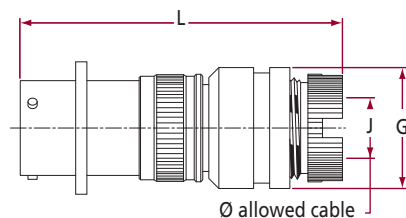
| Nickel Plating Reference | G max. | J mini. | L max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|--------|--------------------------------------|
| AFD 50-08-**-P/S-* 083   | 15,65  | 4,60    | 44,70  | AFD 50-08-**-P/S-* A 5629            |
| AFD 50-10-**-P/S-* 083   | 18,60  | 6,60    | 44,70  | AFD 50-10-**-P/S-* A 5629            |
| AFD 50-12-**-P/S-* 083   | 21,75  | 10,00   | 44,70  | AFD 50-12-**-P/S-* A 5629            |
| AFD 50-14-**-P/S-* 083   | 24,95  | 11,50   | 50,20  | AFD 50-14-**-P/S-* A 5629            |
| AFD 50-16-**-P/S-* 083   | 28,20  | 15,30   | 50,20  | AFD 50-16-**-P/S-* A 5629            |
| AFD 50-18-**-P/S-* 083   | 30,90  | 17,30   | 50,20  | AFD 50-18-**-P/S-* A 5629            |
| AFD 50-20-**-P/S-* 083   | 34,15  | 20,50   | 51,70  | AFD 50-20-**-P/S-* A 5629            |
| AFD 50-22-**-P/S-* 083   | 37,25  | 23,70   | 51,70  | AFD 50-22-**-P/S-* A 5629            |
| AFD 50-24-**-P/S-* 083   | 40,45  | 26,80   | 51,70  | AFD 50-24-**-P/S-* A 5629            |

### Fitting for thermo-shrink sleeve



| Nickel Plating Reference | G max. | J mini. | L max. | P max. | S max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|--------|--------|--------|--------------------------------------|
| AFD 50-08-**-P/S-* A 315 | 15,65  | 6,50    | 46,55  | 13,55  | 7,80   | AFD 50-08-**-P/S-* A 5563            |
| AFD 50-10-**-P/S-* A 315 | 18,60  | 9,20    | 46,55  | 15,40  | 7,80   | AFD 50-10-**-P/S-* A 5563            |
| AFD 50-12-**-P/S-* A 315 | 21,75  | 12,65   | 46,55  | 19,70  | 7,80   | AFD 50-12-**-P/S-* A 5563            |
| AFD 50-14-**-P/S-* A 315 | 24,95  | 14,50   | 46,55  | 21,30  | 7,80   | AFD 50-14-**-P/S-* A 5563            |
| AFD 50-16-**-P/S-* A 315 | 28,20  | 17,70   | 46,55  | 24,50  | 7,80   | AFD 50-16-**-P/S-* A 5563            |
| AFD 50-18-**-P/S-* A 315 | 30,90  | 19,70   | 46,55  | 26,50  | 7,80   | AFD 50-18-**-P/S-* A 5563            |
| AFD 50-20-**-P/S-* A 315 | 34,15  | 22,90   | 50,35  | 30,95  | 10,08  | AFD 50-20-**-P/S-* A 5563            |
| AFD 50-22-**-P/S-* A 315 | 37,25  | 26,05   | 51,00  | 34,45  | 10,65  | AFD 50-22-**-P/S-* A 5563            |
| AFD 50-24-**-P/S-* A 315 | 40,45  | 29,00   | 51,00  | 36,65  | 10,65  | AFD 50-24-**-P/S-* A 5563            |

### With grounding adaptor



| Nickel Plating Reference | G max. | J mini. | L max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|--------|--------------------------------------|
| AFD 50-08-**-P/S-* A 564 | 18,00  | 6,80    | 65,90  | AFD 50-08-**-P/S-* A 5534            |
| AFD 50-10-**-P/S-* A 564 | 20,10  | 9,30    | 65,70  | AFD 50-10-**-P/S-* A 5534            |
| AFD 50-12-**-P/S-* A 564 | 24,40  | 12,75   | 65,60  | AFD 50-12-**-P/S-* A 5534            |
| AFD 50-14-**-P/S-* A 564 | 27,50  | 14,65   | 65,80  | AFD 50-14-**-P/S-* A 5534            |
| AFD 50-16-**-P/S-* A 564 | 30,85  | 17,80   | 65,60  | AFD 50-16-**-P/S-* A 5534            |
| AFD 50-18-**-P/S-* A 564 | 33,90  | 19,80   | 64,90  | AFD 50-18-**-P/S-* A 5534            |
| AFD 50-20-**-P/S-* A 564 | 37,10  | 23,00   | 67,25  | AFD 50-20-**-P/S-* A 5534            |
| AFD 50-22-**-P/S-* A 564 | 40,20  | 26,15   | 67,35  | AFD 50-22-**-P/S-* A 5534            |
| AFD 50-24-**-P/S-* A 564 | 43,40  | 29,10   | 68,00  | AFD 50-24-**-P/S-* A 5534            |

Note : L dimension calculated for a braid of 1 m/m thickness

## Single hole mounting



With backshell  
Nickel plating without Mod.  
Olive drab cadmium plating Mod. A 231



Without backshell  
Nickel plating Mod. 1A  
Olive drab cadmium plating Mod. A 5324



| Nickel Plating Reference |     | A max. | B max. ± 0,15 | D max. | E max. | F max. | G max. | G1 max. | L max. | L1 max. | M max. | P max. | Olive Drab Cadmium Plating Reference |       |        |
|--------------------------|-----|--------|---------------|--------|--------|--------|--------|---------|--------|---------|--------|--------|--------------------------------------|-------|--------|
| AFD 54-08-**-P/S-*       | 1 A | 27,35  | 24,20         | 17,78  | 2,85   | 12,03  | 15,65  | 12,70   | 36,85  | 30,85   | 19,20  | 7,75   | AFD 54-08-**-P/S-*                   | A 231 | A 5324 |
| AFD 54-10-**-P/S-*       | 1 A | 30,55  | 27,35         | 17,78  | 2,85   | 15,01  | 18,60  | 15,85   | 36,85  | 30,85   | 22,37  | 10,29  | AFD 54-10-**-P/S-*                   | A 231 | A 5324 |
| AFD 54-12-**-P/S-*       | 1 A | 35,30  | 32,15         | 17,78  | 2,85   | 19,07  | 21,75  | 19,05   | 36,85  | 30,85   | 27,12  | 13,49  | AFD 54-12-**-P/S-*                   | A 231 | A 5324 |
| AFD 54-14-**-P/S-*       | 1 A | 38,50  | 35,30         | 17,78  | 2,85   | 22,24  | 24,95  | 22,20   | 36,85  | 30,85   | 30,30  | 16,89  | AFD 54-14-**-P/S-*                   | A 231 | A 5324 |
| AFD 54-16-**-P/S-*       | 1 A | 41,65  | 38,50         | 17,78  | 2,85   | 25,42  | 28,20  | 25,40   | 36,85  | 30,85   | 33,47  | 20,07  | AFD 54-16-**-P/S-*                   | A 231 | A 5324 |
| AFD 54-18-**-P/S-*       | 1 A | 44,80  | 41,65         | 17,78  | 2,85   | 28,60  | 30,90  | 26,95   | 36,85  | 30,85   | 36,67  | 22,07  | AFD 54-18-**-P/S-*                   | A 231 | A 5324 |
| AFD 54-20-**-P/S-*       | 1 A | 49,60  | 46,40         | 19,43  | 3,70   | 31,77  | 34,15  | 30,15   | 38,40  | 32,35   | 39,82  | 25,25  | AFD 54-20-**-P/S-*                   | A 231 | A 5324 |
| AFD 54-22-**-P/S-*       | 1 A | 52,75  | 49,60         | 19,43  | 3,70   | 34,94  | 37,25  | 33,30   | 38,40  | 32,35   | 43,02  | 28,42  | AFD 54-22-**-P/S-*                   | A 231 | A 5324 |
| AFD 54-24-**-P/S-*       | 1 A | 55,95  | 52,75         | 19,43  | 3,70   | 38,12  | 40,45  | 36,50   | 38,40  | 32,35   | 46,17  | 31,60  | AFD 54-24-**-P/S-*                   | A 231 | A 5324 |

## Mounting styles



| Size | E max. | H +0 -0,2 | K +0 -0,2 | Tightening torque |
|------|--------|-----------|-----------|-------------------|
| 08   | 4,30   | 14,65     | 13,85     | 7,5 mN            |
| 10   | 4,30   | 17,80     | 17,05     | 10 mN             |
| 12   | 4,30   | 22,55     | 21,15     | 13 mN             |
| 14   | 4,30   | 25,70     | 24,30     | 15 mN             |
| 16   | 4,30   | 28,90     | 27,45     | 18 mN             |
| 18   | 4,30   | 32,05     | 30,65     | 21 mN             |
| 20   | 6,35   | 35,25     | 33,80     | 23 mN             |
| 22   | 6,35   | 38,40     | 37,00     | 26 mN             |
| 24   | 6,35   | 41,60     | 40,15     | 29 mN             |

## Panel nut

| Size | Reference   | Olive drab Cadmium | Nickel |
|------|-------------|--------------------|--------|
| 08   | 006-0980-08 | A 231              | A 499  |
| 10   | 006-0980-10 | A 231              | A 499  |
| 12   | 006-0980-12 | A 231              | A 499  |
| 14   | 006-0980-14 | A 231              | A 499  |
| 16   | 006-0980-16 | A 231              | A 499  |
| 18   | 006-0980-18 | A 231              | A 499  |
| 20   | 006-0980-20 | A 231              | A 499  |
| 22   | 006-0980-22 | A 231              | A 499  |
| 24   | 006-0980-24 | A 231              | A 499  |

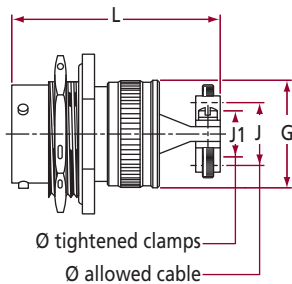
For single hole mounting receptacle

## O'ring panel

| Size | Reference      |
|------|----------------|
| 08   | 103-0001-16-02 |
| 10   | 103-0001-18-02 |
| 12   | 103-0001-21-02 |
| 14   | 103-0001-23-02 |
| 16   | 103-0001-25-02 |
| 18   | 103-0001-27-02 |
| 20   | 103-0001-29-02 |
| 22   | 103-0001-30-02 |
| 24   | 103-0001-31-02 |

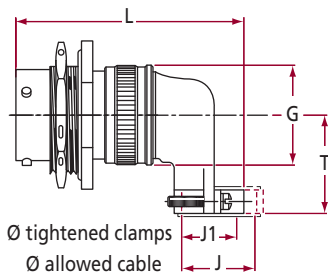
## Single hole mounting

### With straight cable clamp



| Nickel Plating Reference | G max. | J mini. | J1 max. | L max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|---------|--------|--------------------------------------|
| AFD 54-08-**-P/S-* 059   | 15,65  | 6,80    | 5,15    | 45,85  | AFD 54-08-**-P/S-* A 5347            |
| AFD 54-10-**-P/S-* 059   | 18,60  | 9,30    | 7,25    | 45,85  | AFD 54-10-**-P/S-* A 5347            |
| AFD 54-12-**-P/S-* 059   | 21,75  | 12,75   | 10,55   | 45,85  | AFD 54-12-**-P/S-* A 5347            |
| AFD 54-14-**-P/S-* 059   | 24,95  | 14,65   | 12,05   | 51,85  | AFD 54-14-**-P/S-* A 5347            |
| AFD 54-16-**-P/S-* 059   | 28,20  | 17,80   | 15,85   | 51,85  | AFD 54-16-**-P/S-* A 5347            |
| AFD 54-18-**-P/S-* 059   | 30,90  | 19,80   | 17,90   | 51,85  | AFD 54-18-**-P/S-* A 5347            |
| AFD 54-20-**-P/S-* 059   | 34,15  | 23,00   | 21,05   | 53,35  | AFD 54-20-**-P/S-* A 5347            |
| AFD 54-22-**-P/S-* 059   | 37,25  | 26,15   | 24,25   | 53,35  | AFD 54-22-**-P/S-* A 5347            |
| AFD 54-24-**-P/S-* 059   | 40,45  | 29,10   | 27,45   | 53,35  | AFD 54-24-**-P/S-* A 5347            |

### With 90° end bell cable clamp



| Nickel Plating Reference | G max. | J mini. | J1 max. | L max. | T max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|---------|--------|--------|--------------------------------------|
| AFD 54-08-**-P/S-* 081   | 15,65  | 6,80    | 5,15    | 49,30  | 20,70  | AFD 54-08-**-P/S-* A 5543            |
| AFD 54-10-**-P/S-* 081   | 18,60  | 9,30    | 7,25    | 51,65  | 22,00  | AFD 54-10-**-P/S-* A 5543            |
| AFD 54-12-**-P/S-* 081   | 21,75  | 12,75   | 10,55   | 54,10  | 23,80  | AFD 54-12-**-P/S-* A 5543            |
| AFD 54-14-**-P/S-* 081   | 24,95  | 14,65   | 12,05   | 57,35  | 25,30  | AFD 54-14-**-P/S-* A 5543            |
| AFD 54-16-**-P/S-* 081   | 28,20  | 17,80   | 15,85   | 60,75  | 26,80  | AFD 54-16-**-P/S-* A 5543            |
| AFD 54-18-**-P/S-* 081   | 30,90  | 19,80   | 17,90   | 64,20  | 28,30  | AFD 54-18-**-P/S-* A 5543            |
| AFD 54-20-**-P/S-* 081   | 34,15  | 23,00   | 21,05   | 69,05  | 29,90  | AFD 54-20-**-P/S-* A 5543            |
| AFD 54-22-**-P/S-* 081   | 37,25  | 26,15   | 24,25   | 72,15  | 31,60  | AFD 54-22-**-P/S-* A 5543            |
| AFD 54-24-**-P/S-* 081   | 40,45  | 29,10   | 27,45   | 75,25  | 33,20  | AFD 54-24-**-P/S-* A 5543            |

### With potting cup



| Nickel Plating Reference | G max. | J mini. | L max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|--------|--------------------------------------|
| AFD 54-08-**-P/S-* 083   | 15,65  | 4,60    | 44,70  | AFD 54-08-**-P/S-* A 5629            |
| AFD 54-10-**-P/S-* 083   | 18,60  | 6,60    | 44,70  | AFD 54-10-**-P/S-* A 5629            |
| AFD 54-12-**-P/S-* 083   | 21,75  | 10,00   | 44,70  | AFD 54-12-**-P/S-* A 5629            |
| AFD 54-14-**-P/S-* 083   | 24,95  | 11,50   | 50,20  | AFD 54-14-**-P/S-* A 5629            |
| AFD 54-16-**-P/S-* 083   | 28,20  | 15,30   | 50,20  | AFD 54-16-**-P/S-* A 5629            |
| AFD 54-18-**-P/S-* 083   | 30,90  | 17,30   | 50,20  | AFD 54-18-**-P/S-* A 5629            |
| AFD 54-20-**-P/S-* 083   | 34,15  | 20,50   | 51,70  | AFD 54-20-**-P/S-* A 5629            |
| AFD 54-22-**-P/S-* 083   | 37,25  | 23,70   | 51,70  | AFD 54-22-**-P/S-* A 5629            |
| AFD 54-24-**-P/S-* 083   | 40,45  | 26,80   | 51,70  | AFD 54-24-**-P/S-* A 5629            |

### Fitting for thermo-shrink sleeve



| Nickel Plating Reference | G max. | J max. | L max. | P max. | S max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|--------|--------|--------|--------|--------------------------------------|
| AFD 54-08-**-P/S-* A 315 | 15,65  | 6,50   | 46,55  | 13,55  | 7,80   | AFD 54-08-**-P/S-* A 5563            |
| AFD 54-10-**-P/S-* A 315 | 18,60  | 9,20   | 46,55  | 15,40  | 7,80   | AFD 54-10-**-P/S-* A 5563            |
| AFD 54-12-**-P/S-* A 315 | 21,75  | 12,65  | 46,55  | 19,70  | 7,80   | AFD 54-12-**-P/S-* A 5563            |
| AFD 54-14-**-P/S-* A 315 | 24,95  | 14,50  | 46,55  | 21,30  | 7,80   | AFD 54-14-**-P/S-* A 5563            |
| AFD 54-16-**-P/S-* A 315 | 28,20  | 17,70  | 46,55  | 24,50  | 7,80   | AFD 54-16-**-P/S-* A 5563            |
| AFD 54-18-**-P/S-* A 315 | 30,90  | 19,70  | 46,55  | 26,50  | 7,80   | AFD 54-18-**-P/S-* A 5563            |
| AFD 54-20-**-P/S-* A 315 | 34,15  | 22,90  | 50,35  | 30,95  | 10,08  | AFD 54-20-**-P/S-* A 5563            |
| AFD 54-22-**-P/S-* A 315 | 37,25  | 26,05  | 51,00  | 34,45  | 10,65  | AFD 54-22-**-P/S-* A 5563            |
| AFD 54-24-**-P/S-* A 315 | 40,45  | 29,00  | 51,00  | 36,65  | 10,65  | AFD 54-24-**-P/S-* A 5563            |

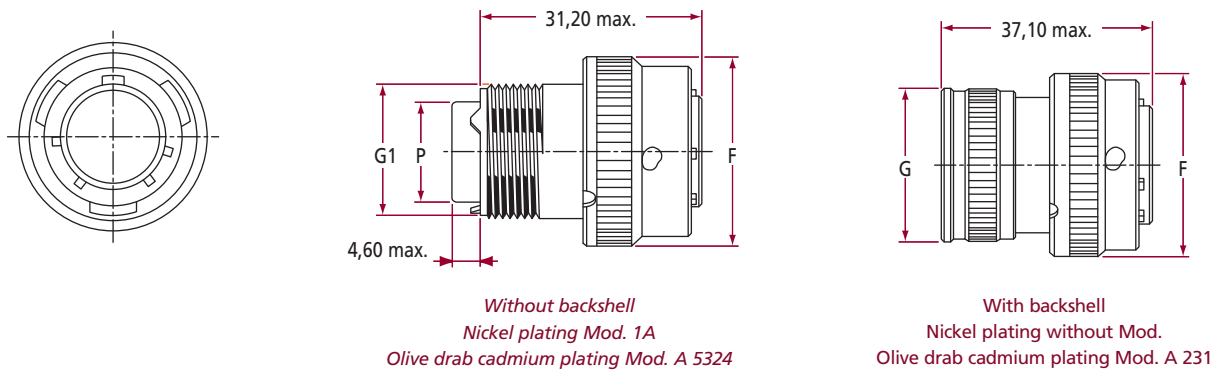
### With grounding adaptor



| Nickel Plating Reference | G max. | J mini. | L max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|--------|--------------------------------------|
| AFD 54-08-**-P/S-* A 564 | 18,00  | 6,80    | 65,90  | AFD 54-08-**-P/S-* A 5534            |
| AFD 54-10-**-P/S-* A 564 | 20,10  | 9,30    | 65,70  | AFD 54-10-**-P/S-* A 5534            |
| AFD 54-12-**-P/S-* A 564 | 24,40  | 12,75   | 65,60  | AFD 54-12-**-P/S-* A 5534            |
| AFD 54-14-**-P/S-* A 564 | 27,50  | 14,65   | 65,80  | AFD 54-14-**-P/S-* A 5534            |
| AFD 54-16-**-P/S-* A 564 | 30,85  | 17,80   | 65,60  | AFD 54-16-**-P/S-* A 5534            |
| AFD 54-18-**-P/S-* A 564 | 33,90  | 19,80   | 64,90  | AFD 54-18-**-P/S-* A 5534            |
| AFD 54-20-**-P/S-* A 564 | 37,10  | 23,00   | 67,25  | AFD 54-20-**-P/S-* A 5534            |
| AFD 54-22-**-P/S-* A 564 | 40,20  | 26,15   | 67,35  | AFD 54-22-**-P/S-* A 5534            |
| AFD 54-24-**-P/S-* A 564 | 43,40  | 29,10   | 68,00  | AFD 54-24-**-P/S-* A 5534            |

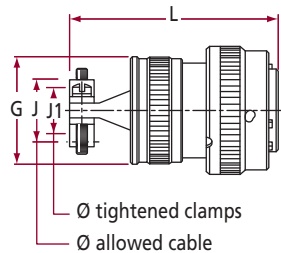
Note : L dimension calculated for a braid of 1 m/m thickness

Plugs



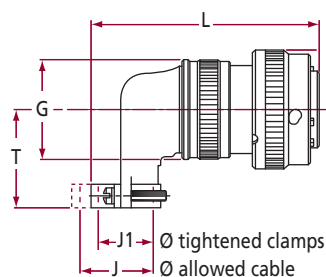
| Nickel Plating<br>Reference |     | F<br>max. | G<br>max. | G1<br>max. | P<br>max. | Olive Drab Cadmium Plating<br>Reference |       |        |
|-----------------------------|-----|-----------|-----------|------------|-----------|-----------------------------------------|-------|--------|
| AFD 56-08-**-P/S-*          | 1 A | 19,75     | 15,65     | 12,70      | 7,75      | AFD 56-08-**-P/S-*                      | A 231 | A 5324 |
| AFD 56-10-**-P/S-*          | 1 A | 22,70     | 18,60     | 15,85      | 10,29     | AFD 56-10-**-P/S-*                      | A 231 | A 5324 |
| AFD 56-12-**-P/S-*          | 1 A | 26,45     | 21,75     | 19,05      | 13,49     | AFD 56-12-**-P/S-*                      | A 231 | A 5324 |
| AFD 56-14-**-P/S-*          | 1 A | 29,95     | 24,95     | 22,20      | 16,89     | AFD 56-14-**-P/S-*                      | A 231 | A 5324 |
| AFD 56-16-**-P/S-*          | 1 A | 32,95     | 28,20     | 25,40      | 20,07     | AFD 56-16-**-P/S-*                      | A 231 | A 5324 |
| AFD 56-18-**-P/S-*          | 1 A | 35,30     | 30,90     | 26,95      | 22,07     | AFD 56-18-**-P/S-*                      | A 231 | A 5324 |
| AFD 56-20-**-P/S-*          | 1 A | 38,85     | 34,15     | 30,15      | 25,25     | AFD 56-20-**-P/S-*                      | A 231 | A 5324 |
| AFD 56-22-**-P/S-*          | 1 A | 42,05     | 37,25     | 33,30      | 28,42     | AFD 56-22-**-P/S-*                      | A 231 | A 5324 |
| AFD 56-24-**-P/S-*          | 1 A | 45,05     | 40,45     | 36,50      | 31,60     | AFD 56-24-**-P/S-*                      | A 231 | A 5324 |

## • With straight cable clamp



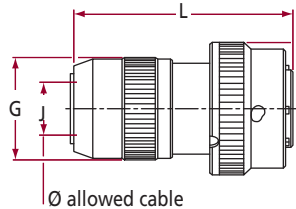
| Nickel Plating Reference | G max. | J mini. | J1 max. | L max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|---------|--------|--------------------------------------|
| AFD 56-08-**-P/S-* 059   | 15,65  | 6,80    | 5,15    | 46,10  | AFD 56-08-**-P/S-* A 5347            |
| AFD 56-10-**-P/S-* 059   | 18,60  | 9,30    | 7,25    | 46,10  | AFD 56-10-**-P/S-* A 5347            |
| AFD 56-12-**-P/S-* 059   | 21,75  | 12,75   | 10,55   | 46,10  | AFD 56-12-**-P/S-* A 5347            |
| AFD 56-14-**-P/S-* 059   | 24,95  | 14,65   | 12,05   | 52,10  | AFD 56-14-**-P/S-* A 5347            |
| AFD 56-16-**-P/S-* 059   | 28,20  | 17,80   | 15,85   | 52,10  | AFD 56-16-**-P/S-* A 5347            |
| AFD 56-18-**-P/S-* 059   | 30,90  | 19,80   | 17,90   | 52,10  | AFD 56-18-**-P/S-* A 5347            |
| AFD 56-20-**-P/S-* 059   | 34,15  | 23,00   | 21,05   | 52,10  | AFD 56-20-**-P/S-* A 5347            |
| AFD 56-22-**-P/S-* 059   | 37,25  | 26,15   | 24,25   | 52,10  | AFD 56-22-**-P/S-* A 5347            |
| AFD 56-24-**-P/S-* 059   | 40,45  | 29,10   | 27,45   | 52,10  | AFD 56-24-**-P/S-* A 5347            |

## • With 90° end bell cable clamp



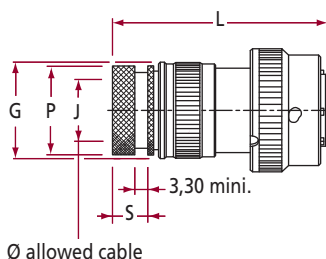
| Nickel Plating Reference | G max. | J mini. | J1 max. | L max. | T max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|---------|--------|--------|--------------------------------------|
| AFD 56-08-**-P/S-* 081   | 15,65  | 6,80    | 5,15    | 49,55  | 20,70  | AFD 56-08-**-P/S-* A 5543            |
| AFD 56-10-**-P/S-* 081   | 18,60  | 9,30    | 7,25    | 51,90  | 22,00  | AFD 56-10-**-P/S-* A 5543            |
| AFD 56-12-**-P/S-* 081   | 21,75  | 12,75   | 10,55   | 55,35  | 23,80  | AFD 56-12-**-P/S-* A 5543            |
| AFD 56-14-**-P/S-* 081   | 24,95  | 14,65   | 12,05   | 57,60  | 25,30  | AFD 56-14-**-P/S-* A 5543            |
| AFD 56-16-**-P/S-* 081   | 28,20  | 17,80   | 15,85   | 61,00  | 26,80  | AFD 56-16-**-P/S-* A 5543            |
| AFD 56-18-**-P/S-* 081   | 30,90  | 19,80   | 17,90   | 64,45  | 28,30  | AFD 56-18-**-P/S-* A 5543            |
| AFD 56-20-**-P/S-* 081   | 34,15  | 23,00   | 21,05   | 67,80  | 29,90  | AFD 56-20-**-P/S-* A 5543            |
| AFD 56-22-**-P/S-* 081   | 37,25  | 26,15   | 24,25   | 70,90  | 31,60  | AFD 56-22-**-P/S-* A 5543            |
| AFD 56-24-**-P/S-* 081   | 40,45  | 29,10   | 27,45   | 74,00  | 33,20  | AFD 56-24-**-P/S-* A 5543            |

## • With potting cup



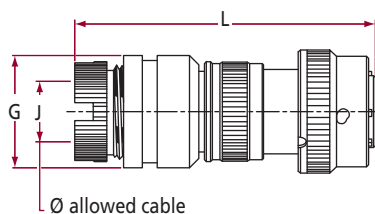
| Nickel Plating Reference | G max. | J mini. | L max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|--------|--------------------------------------|
| AFD 56-08-**-P/S-* 083   | 15,65  | 4,60    | 45,45  | AFD 56-08-**-P/S-* A 5629            |
| AFD 56-10-**-P/S-* 083   | 18,60  | 6,60    | 45,45  | AFD 56-10-**-P/S-* A 5629            |
| AFD 56-12-**-P/S-* 083   | 21,75  | 10,00   | 45,45  | AFD 56-12-**-P/S-* A 5629            |
| AFD 56-14-**-P/S-* 083   | 24,95  | 11,50   | 50,95  | AFD 56-14-**-P/S-* A 5629            |
| AFD 56-16-**-P/S-* 083   | 28,20  | 15,30   | 50,95  | AFD 56-16-**-P/S-* A 5629            |
| AFD 56-18-**-P/S-* 083   | 30,90  | 17,30   | 50,95  | AFD 56-18-**-P/S-* A 5629            |
| AFD 56-20-**-P/S-* 083   | 34,15  | 20,50   | 50,95  | AFD 56-20-**-P/S-* A 5629            |
| AFD 56-22-**-P/S-* 083   | 37,25  | 23,70   | 50,95  | AFD 56-22-**-P/S-* A 5629            |
| AFD 56-24-**-P/S-* 083   | 40,45  | 26,80   | 50,95  | AFD 56-24-**-P/S-* A 5629            |

## • Fitting for thermo-shrink sleeve



| Nickel Plating Reference | G max. | J max. | L max. | P max. | S max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|--------|--------|--------|--------|--------------------------------------|
| AFD 56-08-**-P/S-* A 315 | 15,65  | 6,50   | 46,80  | 13,55  | 7,80   | AFD 56-08-**-P/S-* A 5563            |
| AFD 56-10-**-P/S-* A 315 | 18,60  | 9,20   | 46,80  | 15,40  | 7,80   | AFD 56-10-**-P/S-* A 5563            |
| AFD 56-12-**-P/S-* A 315 | 21,75  | 12,65  | 46,80  | 19,70  | 7,80   | AFD 56-12-**-P/S-* A 5563            |
| AFD 56-14-**-P/S-* A 315 | 24,95  | 14,50  | 46,80  | 21,30  | 7,80   | AFD 56-14-**-P/S-* A 5563            |
| AFD 56-16-**-P/S-* A 315 | 28,20  | 17,70  | 46,80  | 24,50  | 7,80   | AFD 56-16-**-P/S-* A 5563            |
| AFD 56-18-**-P/S-* A 315 | 30,90  | 19,70  | 46,80  | 26,50  | 7,80   | AFD 56-18-**-P/S-* A 5563            |
| AFD 56-20-**-P/S-* A 315 | 34,15  | 22,90  | 49,10  | 30,95  | 10,08  | AFD 56-20-**-P/S-* A 5563            |
| AFD 56-22-**-P/S-* A 315 | 37,25  | 26,05  | 49,75  | 34,45  | 10,65  | AFD 56-22-**-P/S-* A 5563            |
| AFD 56-24-**-P/S-* A 315 | 40,45  | 29,00  | 49,75  | 36,65  | 10,65  | AFD 56-24-**-P/S-* A 5563            |

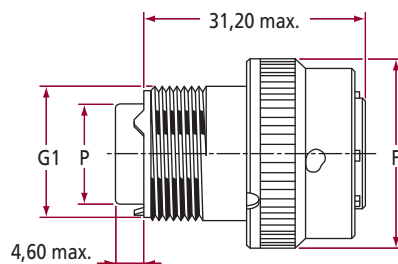
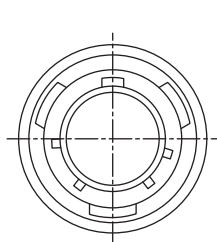
## • With grounding adaptor



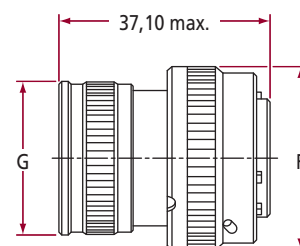
| Nickel Plating Reference | G max. | J mini. | L max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|--------|--------------------------------------|
| AFD 56-08-**-P/S-* A 564 | 18,00  | 6,80    | 66,20  | AFD 56-08-**-P/S-* A 5534            |
| AFD 56-10-**-P/S-* A 564 | 20,10  | 9,30    | 66,00  | AFD 56-10-**-P/S-* A 5534            |
| AFD 56-12-**-P/S-* A 564 | 24,40  | 12,75   | 65,90  | AFD 56-12-**-P/S-* A 5534            |
| AFD 56-14-**-P/S-* A 564 | 27,50  | 14,65   | 66,10  | AFD 56-14-**-P/S-* A 5534            |
| AFD 56-16-**-P/S-* A 564 | 30,85  | 17,80   | 65,90  | AFD 56-16-**-P/S-* A 5534            |
| AFD 56-18-**-P/S-* A 564 | 33,90  | 19,80   | 65,20  | AFD 56-18-**-P/S-* A 5534            |
| AFD 56-20-**-P/S-* A 564 | 37,10  | 23,00   | 66,00  | AFD 56-20-**-P/S-* A 5534            |
| AFD 56-22-**-P/S-* A 564 | 40,20  | 26,15   | 66,10  | AFD 56-22-**-P/S-* A 5534            |
| AFD 56-24-**-P/S-* A 564 | 43,40  | 29,10   | 66,75  | AFD 56-24-**-P/S-* A 5534            |

Note : L dimension calculated for a braid of 1 m/m thickness

## • With RFI fingers



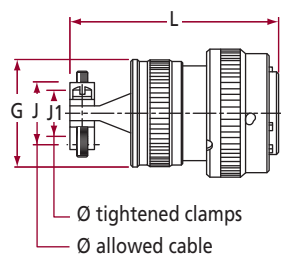
*Without backshell*  
*Nickel plating Mod. 1A*  
*Olive drab cadmium plating Mod. A 5324*



*With backshell*  
*Nickel plating without Mod.*  
*Olive drab cadmium plating Mod. A 231*

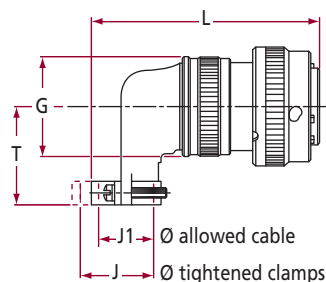
| Nickel Plating Reference |     | F max. | G max. | G1 max. | P max. | Olive Drab Cadmium Plating Reference |       |        |
|--------------------------|-----|--------|--------|---------|--------|--------------------------------------|-------|--------|
| AFD 57-08-**-P/S-*       | 1 A | 19,75  | 15,65  | 12,70   | 7,75   | AFD 57-08-**-P/S-*                   | A 231 | A 5324 |
| AFD 57-10-**-P/S-*       | 1 A | 22,70  | 18,60  | 15,85   | 10,29  | AFD 57-10-**-P/S-*                   | A 231 | A 5324 |
| AFD 57-12-**-P/S-*       | 1 A | 26,45  | 21,75  | 19,05   | 13,49  | AFD 57-12-**-P/S-*                   | A 231 | A 5324 |
| AFD 57-14-**-P/S-*       | 1 A | 29,95  | 24,95  | 22,20   | 16,89  | AFD 57-14-**-P/S-*                   | A 231 | A 5324 |
| AFD 57-16-**-P/S-*       | 1 A | 32,95  | 28,20  | 25,40   | 20,07  | AFD 57-16-**-P/S-*                   | A 231 | A 5324 |
| AFD 57-18-**-P/S-*       | 1 A | 35,30  | 30,90  | 26,95   | 22,07  | AFD 57-18-**-P/S-*                   | A 231 | A 5324 |
| AFD 57-20-**-P/S-*       | 1 A | 38,85  | 34,15  | 30,15   | 25,25  | AFD 57-20-**-P/S-*                   | A 231 | A 5324 |
| AFD 57-22-**-P/S-*       | 1 A | 42,05  | 37,25  | 33,30   | 28,42  | AFD 57-22-**-P/S-*                   | A 231 | A 5324 |
| AFD 57-24-**-P/S-*       | 1 A | 45,05  | 40,45  | 36,50   | 31,60  | AFD 57-24-**-P/S-*                   | A 231 | A 5324 |

• With straight cable clamp



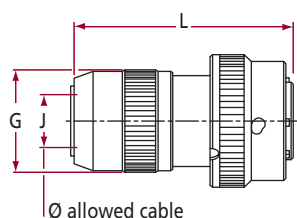
| Nickel Plating Reference | G max. | J mini. | J1 max. | L max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|---------|--------|--------------------------------------|
| AFD 57-08-**-P/S-* 059   | 15,65  | 6,80    | 5,15    | 46,10  | AFD 57-08-**-P/S-* A 5347            |
| AFD 57-10-**-P/S-* 059   | 18,60  | 9,30    | 7,25    | 46,10  | AFD 57-10-**-P/S-* A 5347            |
| AFD 57-12-**-P/S-* 059   | 21,75  | 12,75   | 10,55   | 46,10  | AFD 57-12-**-P/S-* A 5347            |
| AFD 57-14-**-P/S-* 059   | 24,95  | 14,65   | 12,05   | 52,10  | AFD 57-14-**-P/S-* A 5347            |
| AFD 57-16-**-P/S-* 059   | 28,20  | 17,80   | 15,85   | 52,10  | AFD 57-16-**-P/S-* A 5347            |
| AFD 57-18-**-P/S-* 059   | 30,90  | 19,80   | 17,90   | 52,10  | AFD 57-18-**-P/S-* A 5347            |
| AFD 57-20-**-P/S-* 059   | 34,15  | 23,00   | 21,05   | 52,10  | AFD 57-20-**-P/S-* A 5347            |
| AFD 57-22-**-P/S-* 059   | 37,25  | 26,15   | 24,25   | 52,10  | AFD 57-22-**-P/S-* A 5347            |
| AFD 57-24-**-P/S-* 059   | 40,45  | 29,10   | 27,45   | 52,10  | AFD 57-24-**-P/S-* A 5347            |

• With 90° end bell cable clamp



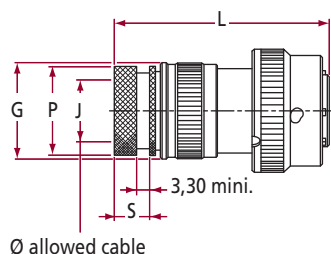
| Nickel Plating Reference | G max. | J mini. | J1 max. | L max. | T max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|---------|--------|--------|--------------------------------------|
| AFD 57-08-**-P/S-* 081   | 15,65  | 6,80    | 5,15    | 49,55  | 20,70  | AFD 57-08-**-P/S-* A 5543            |
| AFD 57-10-**-P/S-* 081   | 18,60  | 9,30    | 7,25    | 51,90  | 22,00  | AFD 57-10-**-P/S-* A 5543            |
| AFD 57-12-**-P/S-* 081   | 21,75  | 12,75   | 10,55   | 55,35  | 23,80  | AFD 57-12-**-P/S-* A 5543            |
| AFD 57-14-**-P/S-* 081   | 24,95  | 14,65   | 12,05   | 57,60  | 25,30  | AFD 57-14-**-P/S-* A 5543            |
| AFD 57-16-**-P/S-* 081   | 28,20  | 17,80   | 15,85   | 61,00  | 26,80  | AFD 57-16-**-P/S-* A 5543            |
| AFD 57-18-**-P/S-* 081   | 30,90  | 19,80   | 17,90   | 64,45  | 28,30  | AFD 57-18-**-P/S-* A 5543            |
| AFD 57-20-**-P/S-* 081   | 34,15  | 23,00   | 21,05   | 67,80  | 29,90  | AFD 57-20-**-P/S-* A 5543            |
| AFD 57-22-**-P/S-* 081   | 37,25  | 26,15   | 24,25   | 70,90  | 31,60  | AFD 57-22-**-P/S-* A 5543            |
| AFD 57-24-**-P/S-* 081   | 40,45  | 29,10   | 27,45   | 74,00  | 33,20  | AFD 57-24-**-P/S-* A 5543            |

• With potting cup



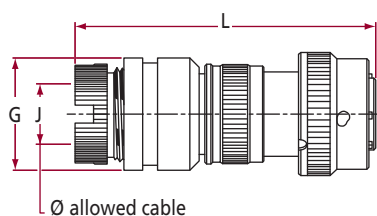
| Nickel Plating Reference | G max. | J mini. | L max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|--------|--------------------------------------|
| AFD 57-08-**-P/S-* 083   | 15,65  | 4,60    | 45,45  | AFD 57-08-**-P/S-* A 5629            |
| AFD 57-10-**-P/S-* 083   | 18,60  | 6,60    | 45,45  | AFD 57-10-**-P/S-* A 5629            |
| AFD 57-12-**-P/S-* 083   | 21,75  | 10,00   | 45,45  | AFD 57-12-**-P/S-* A 5629            |
| AFD 57-14-**-P/S-* 083   | 24,95  | 11,50   | 50,95  | AFD 57-14-**-P/S-* A 5629            |
| AFD 57-16-**-P/S-* 083   | 28,20  | 15,30   | 50,95  | AFD 57-16-**-P/S-* A 5629            |
| AFD 57-18-**-P/S-* 083   | 30,90  | 17,30   | 50,95  | AFD 57-18-**-P/S-* A 5629            |
| AFD 57-20-**-P/S-* 083   | 34,15  | 20,50   | 50,95  | AFD 57-20-**-P/S-* A 5629            |
| AFD 57-22-**-P/S-* 083   | 37,25  | 23,70   | 50,95  | AFD 57-22-**-P/S-* A 5629            |
| AFD 57-24-**-P/S-* 083   | 40,45  | 26,80   | 50,95  | AFD 57-24-**-P/S-* A 5629            |

• Fitting for thermo-shrink sleeve



| Nickel Plating Reference | G max. | J max. | L max. | P max. | S max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|--------|--------|--------|--------|--------------------------------------|
| AFD 57-08-**-P/S-* A 315 | 15,65  | 6,50   | 46,80  | 13,55  | 7,80   | AFD 57-08-**-P/S-* A 5563            |
| AFD 57-10-**-P/S-* A 315 | 18,60  | 9,20   | 46,80  | 15,40  | 7,80   | AFD 57-10-**-P/S-* A 5563            |
| AFD 57-12-**-P/S-* A 315 | 21,75  | 12,65  | 46,80  | 19,70  | 7,80   | AFD 57-12-**-P/S-* A 5563            |
| AFD 57-14-**-P/S-* A 315 | 24,95  | 14,50  | 46,80  | 21,30  | 7,80   | AFD 57-14-**-P/S-* A 5563            |
| AFD 57-16-**-P/S-* A 315 | 28,20  | 17,70  | 46,80  | 24,50  | 7,80   | AFD 57-16-**-P/S-* A 5563            |
| AFD 57-18-**-P/S-* A 315 | 30,90  | 19,70  | 46,80  | 26,50  | 7,80   | AFD 57-18-**-P/S-* A 5563            |
| AFD 57-20-**-P/S-* A 315 | 34,15  | 22,90  | 49,10  | 30,95  | 10,08  | AFD 57-20-**-P/S-* A 5563            |
| AFD 57-22-**-P/S-* A 315 | 37,25  | 26,05  | 49,75  | 34,45  | 10,65  | AFD 57-22-**-P/S-* A 5563            |
| AFD 57-24-**-P/S-* A 315 | 40,45  | 29,00  | 49,75  | 36,65  | 10,65  | AFD 57-24-**-P/S-* A 5563            |

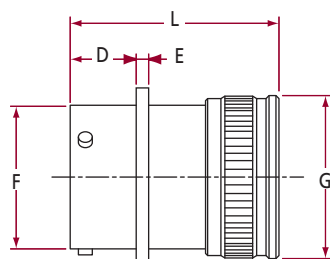
• With grounding adaptor



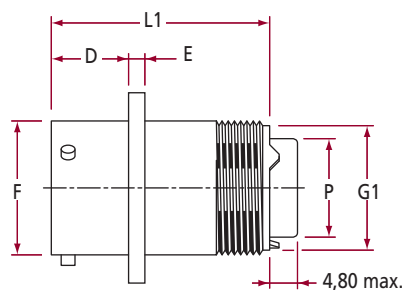
| Nickel Plating Reference | G max. | J mini. | L max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|--------|--------------------------------------|
| AFD 57-08-**-P/S-* A 564 | 18,00  | 6,80    | 66,20  | AFD 57-08-**-P/S-* A 5534            |
| AFD 57-10-**-P/S-* A 564 | 20,10  | 9,30    | 66,00  | AFD 57-10-**-P/S-* A 5534            |
| AFD 57-12-**-P/S-* A 564 | 24,40  | 12,75   | 65,90  | AFD 57-12-**-P/S-* A 5534            |
| AFD 57-14-**-P/S-* A 564 | 27,50  | 14,65   | 66,10  | AFD 57-14-**-P/S-* A 5534            |
| AFD 57-16-**-P/S-* A 564 | 30,85  | 17,80   | 65,90  | AFD 57-16-**-P/S-* A 5534            |
| AFD 57-18-**-P/S-* A 564 | 33,90  | 19,80   | 65,20  | AFD 57-18-**-P/S-* A 5534            |
| AFD 57-20-**-P/S-* A 564 | 37,10  | 23,00   | 66,00  | AFD 57-20-**-P/S-* A 5534            |
| AFD 57-22-**-P/S-* A 564 | 40,20  | 26,15   | 66,10  | AFD 57-22-**-P/S-* A 5534            |
| AFD 57-24-**-P/S-* A 564 | 43,40  | 29,10   | 66,75  | AFD 57-24-**-P/S-* A 5534            |

Note : L dimension calculated for a braid of 1 m/m thickness

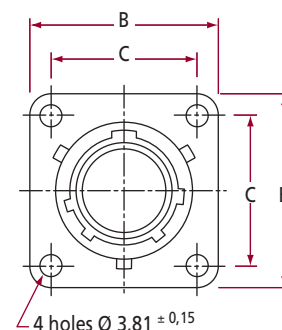
## Large square flange receptacle



With backshell  
Nickel plating without Mod.  
Olive drab cadmium plating Mod. A 231

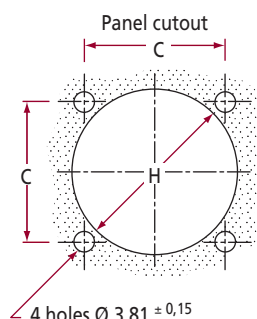
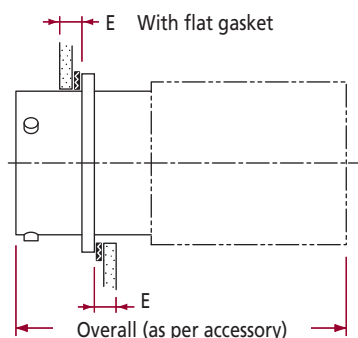


Without backshell  
Nickel plating Mod. 1A  
Olive drab cadmium plating Mod. A 5324



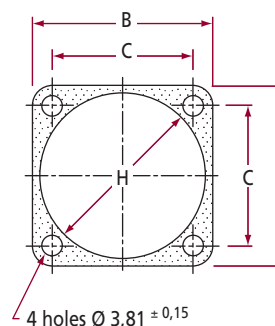
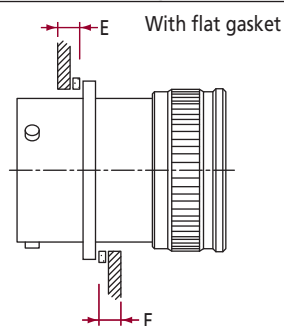
| Nickel Plating Reference | B max.    | C ± 0,1 | D ± 0,15 | E max. | F max. | G max. | G1 max. | L max. | L1 max. | P max. | Olive Drab Cadmium Plating Reference |
|--------------------------|-----------|---------|----------|--------|--------|--------|---------|--------|---------|--------|--------------------------------------|
| AFD 58-08-**-P/S-*       | 1 A 27,05 | 18,64   | 11,89    | 1,95   | 12,03  | 15,65  | 12,70   | 36,85  | 30,85   | 7,75   | AFD 58-08-**-P/S-*                   |
| AFD 58-10-**-P/S-*       | 1 A 28,95 | 20,62   | 11,89    | 1,95   | 15,01  | 18,60  | 15,85   | 36,85  | 30,85   | 10,29  | AFD 58-10-**-P/S-*                   |
| AFD 58-12-**-P/S-*       | 1 A 32,15 | 23,82   | 11,89    | 1,95   | 19,07  | 21,75  | 19,05   | 36,85  | 30,85   | 13,49  | AFD 58-12-**-P/S-*                   |
| AFD 58-14-**-P/S-*       | 1 A 34,50 | 26,22   | 11,89    | 1,95   | 22,24  | 24,95  | 22,20   | 36,85  | 30,85   | 16,89  | AFD 58-14-**-P/S-*                   |
| AFD 58-16-**-P/S-*       | 1 A 36,90 | 28,56   | 11,89    | 1,95   | 25,42  | 28,20  | 25,40   | 36,85  | 30,85   | 20,07  | AFD 58-16-**-P/S-*                   |
| AFD 58-18-**-P/S-*       | 1 A 38,90 | 30,58   | 11,89    | 1,95   | 28,60  | 30,90  | 26,95   | 36,85  | 30,85   | 22,07  | AFD 58-18-**-P/S-*                   |
| AFD 58-20-**-P/S-*       | 1 A 42,85 | 32,96   | 14,30    | 2,55   | 31,77  | 34,15  | 30,15   | 38,40  | 32,35   | 25,25  | AFD 58-20-**-P/S-*                   |
| AFD 58-22-**-P/S-*       | 1 A 44,85 | 34,96   | 14,30    | 2,55   | 34,94  | 37,25  | 33,30   | 38,40  | 32,35   | 28,42  | AFD 58-22-**-P/S-*                   |
| AFD 58-24-**-P/S-*       | 1 A 48,00 | 38,10   | 15,37    | 2,55   | 38,12  | 40,45  | 36,50   | 38,40  | 32,35   | 31,60  | AFD 58-24-**-P/S-*                   |

## Mounting styles



| Size | C ± 0,1 | H +0 -0,2 | E max. |
|------|---------|-----------|--------|
| 08   | 18,64   | 16,05     | 2,50   |
| 10   | 20,62   | 19,00     | 2,50   |
| 12   | 23,82   | 22,25     | 2,50   |
| 14   | 26,22   | 25,40     | 2,50   |
| 16   | 28,56   | 28,60     | 2,50   |
| 18   | 30,58   | 31,75     | 2,50   |
| 20   | 32,96   | 34,90     | 5,40   |
| 22   | 34,96   | 38,10     | 5,40   |
| 24   | 38,10   | 41,30     | 5,40   |

## Flat gasket for square flange receptacle

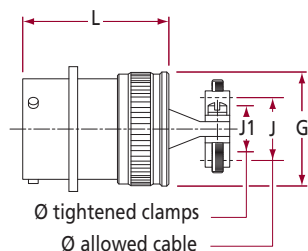


| Front Flange Mounting Size | Reference         | H max. | B max. | C ± 0,1 | E max. | H max. | Rear Flange Mounting Reference | Size |
|----------------------------|-------------------|--------|--------|---------|--------|--------|--------------------------------|------|
| 08                         | 108-0003-08-A 624 | 12,50  | 21,00  | 15,08   | 2,50   | 13,20  | 108-0001-08-A 624              | 08   |
| 10                         | 108-0003-10-A 624 | 15,40  | 24,20  | 18,26   | 2,50   | 16,40  | 108-0001-10-A 624              | 10   |
| 12                         | 108-0001-12-A 624 | 19,50  | 26,55  | 20,62   | 2,50   | 19,50  | 108-0001-12-A 624              | 12   |
| 14                         | 108-0001-14-A 624 | 22,70  | 28,95  | 23,02   | 2,50   | 22,70  | 108-0001-14-A 624              | 14   |
| 16                         | 108-0001-16-A 624 | 25,90  | 31,30  | 24,58   | 2,50   | 25,90  | 108-0001-16-A 624              | 16   |
| 18                         | 108-0003-18-A 624 | 29,10  | 33,70  | 26,98   | 2,50   | 27,50  | 108-0001-18-A 624              | 18   |
| 20                         | 108-0003-20-A 624 | 32,30  | 36,85  | 29,36   | 5,40   | 30,60  | 108-0001-20-A 624              | 20   |
| 22                         | 108-0003-22-A 624 | 35,40  | 39,95  | 31,75   | 5,40   | 33,50  | 108-0001-22-A 624              | 22   |
| 24                         | 108-0003-24-A 624 | 38,60  | 43,15  | 34,92   | 5,40   | 37,00  | 108-0001-24-A 624              | 24   |

A 624 = Flat gasket resistant to oronite

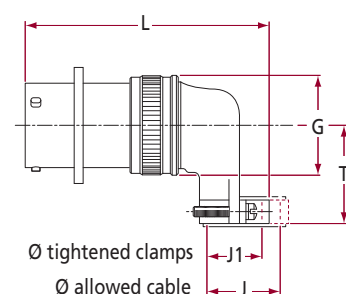
## Large square flange

### With straight cable clamp



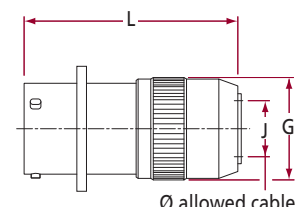
| Nickel Plating Reference | G max. | J mini. | J1 max. | L max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|---------|--------|--------------------------------------|
| AFD 58-08-**-P/S-* 059   | 15,65  | 6,80    | 5,15    | 45,85  | AFD 58-08-**-P/S-* A 5347            |
| AFD 58-10-**-P/S-* 059   | 18,60  | 9,30    | 7,25    | 45,85  | AFD 58-10-**-P/S-* A 5347            |
| AFD 58-12-**-P/S-* 059   | 21,75  | 12,75   | 10,55   | 45,85  | AFD 58-12-**-P/S-* A 5347            |
| AFD 58-14-**-P/S-* 059   | 24,95  | 14,65   | 12,05   | 51,85  | AFD 58-14-**-P/S-* A 5347            |
| AFD 58-16-**-P/S-* 059   | 28,20  | 17,80   | 15,85   | 51,85  | AFD 58-16-**-P/S-* A 5347            |
| AFD 58-18-**-P/S-* 059   | 30,90  | 19,80   | 17,90   | 51,85  | AFD 58-18-**-P/S-* A 5347            |
| AFD 58-20-**-P/S-* 059   | 34,15  | 23,00   | 21,05   | 53,35  | AFD 58-20-**-P/S-* A 5347            |
| AFD 58-22-**-P/S-* 059   | 37,25  | 26,15   | 24,25   | 53,35  | AFD 58-22-**-P/S-* A 5347            |
| AFD 58-24-**-P/S-* 059   | 40,45  | 29,10   | 27,45   | 53,35  | AFD 58-24-**-P/S-* A 5347            |

### With 90° end bell cable clamp



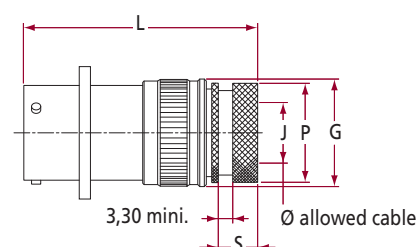
| Nickel Plating Reference | G max. | J mini. | J1 max. | L max. | T max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|---------|--------|--------|--------------------------------------|
| AFD 58-08-**-P/S-* 081   | 15,65  | 6,80    | 5,15    | 49,30  | 20,70  | AFD 58-08-**-P/S-* A 5543            |
| AFD 58-10-**-P/S-* 081   | 18,60  | 9,30    | 7,25    | 51,65  | 22,00  | AFD 58-10-**-P/S-* A 5543            |
| AFD 58-12-**-P/S-* 081   | 21,75  | 12,75   | 10,55   | 54,10  | 23,80  | AFD 58-12-**-P/S-* A 5543            |
| AFD 58-14-**-P/S-* 081   | 24,95  | 14,65   | 12,05   | 57,35  | 25,30  | AFD 58-14-**-P/S-* A 5543            |
| AFD 58-16-**-P/S-* 081   | 28,20  | 17,80   | 15,85   | 60,75  | 26,80  | AFD 58-16-**-P/S-* A 5543            |
| AFD 58-18-**-P/S-* 081   | 30,90  | 19,80   | 17,90   | 64,20  | 28,30  | AFD 58-18-**-P/S-* A 5543            |
| AFD 58-20-**-P/S-* 081   | 34,15  | 23,00   | 21,05   | 69,05  | 29,90  | AFD 58-20-**-P/S-* A 5543            |
| AFD 58-22-**-P/S-* 081   | 37,25  | 26,15   | 24,25   | 72,15  | 31,60  | AFD 58-22-**-P/S-* A 5543            |
| AFD 58-24-**-P/S-* 081   | 40,45  | 29,10   | 27,45   | 75,25  | 33,20  | AFD 58-24-**-P/S-* A 5543            |

### With potting cup



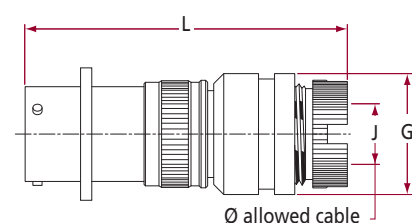
| Nickel Plating Reference | G max. | J mini. | L max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|--------|--------------------------------------|
| AFD 58-08-**-P/S-* 083   | 15,65  | 4,60    | 44,70  | AFD 58-08-**-P/S-* A 5629            |
| AFD 58-10-**-P/S-* 083   | 18,60  | 6,60    | 44,70  | AFD 58-10-**-P/S-* A 5629            |
| AFD 58-12-**-P/S-* 083   | 21,75  | 10,00   | 44,70  | AFD 58-12-**-P/S-* A 5629            |
| AFD 58-14-**-P/S-* 083   | 24,95  | 11,50   | 50,20  | AFD 58-14-**-P/S-* A 5629            |
| AFD 58-16-**-P/S-* 083   | 28,20  | 15,30   | 50,20  | AFD 58-16-**-P/S-* A 5629            |
| AFD 58-18-**-P/S-* 083   | 30,90  | 17,30   | 50,20  | AFD 58-18-**-P/S-* A 5629            |
| AFD 58-20-**-P/S-* 083   | 34,15  | 20,50   | 51,70  | AFD 58-20-**-P/S-* A 5629            |
| AFD 58-22-**-P/S-* 083   | 37,25  | 23,70   | 51,70  | AFD 58-22-**-P/S-* A 5629            |
| AFD 58-24-**-P/S-* 083   | 40,45  | 26,80   | 51,70  | AFD 58-24-**-P/S-* A 5629            |

### Fitting for thermo-shrink sleeve



| Nickel Plating Reference | G max. | J mini. | L max. | P max. | S max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|--------|--------|--------|--------------------------------------|
| AFD 58-08-**-P/S-* A 315 | 15,65  | 6,50    | 46,55  | 13,55  | 7,80   | AFD 58-08-**-P/S-* A 5563            |
| AFD 58-10-**-P/S-* A 315 | 18,60  | 9,20    | 46,55  | 15,40  | 7,80   | AFD 58-10-**-P/S-* A 5563            |
| AFD 58-12-**-P/S-* A 315 | 21,75  | 12,65   | 46,55  | 19,70  | 7,80   | AFD 58-12-**-P/S-* A 5563            |
| AFD 58-14-**-P/S-* A 315 | 24,95  | 14,50   | 46,55  | 21,30  | 7,80   | AFD 58-14-**-P/S-* A 5563            |
| AFD 58-16-**-P/S-* A 315 | 28,20  | 17,70   | 46,55  | 24,50  | 7,80   | AFD 58-16-**-P/S-* A 5563            |
| AFD 58-18-**-P/S-* A 315 | 30,90  | 19,70   | 46,55  | 26,50  | 7,80   | AFD 58-18-**-P/S-* A 5563            |
| AFD 58-20-**-P/S-* A 315 | 34,15  | 22,90   | 50,35  | 30,95  | 10,08  | AFD 58-20-**-P/S-* A 5563            |
| AFD 58-22-**-P/S-* A 315 | 37,25  | 26,05   | 51,00  | 34,45  | 10,65  | AFD 58-22-**-P/S-* A 5563            |
| AFD 58-24-**-P/S-* A 315 | 40,45  | 29,00   | 51,00  | 36,65  | 10,65  | AFD 58-24-**-P/S-* A 5563            |

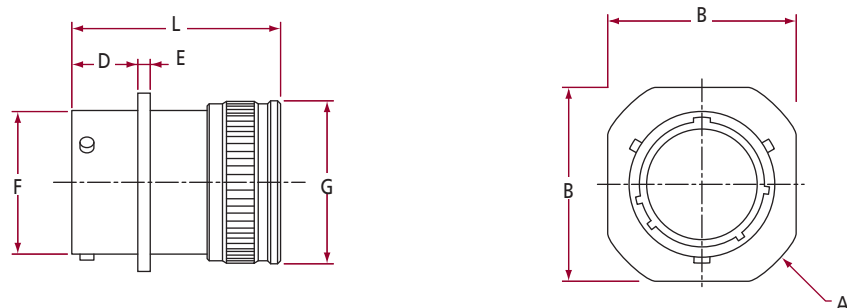
### With grounding adaptor



| Nickel Plating Reference | G max. | J mini. | L max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|---------|--------|--------------------------------------|
| AFD 58-08-**-P/S-* A 564 | 18,00  | 6,80    | 65,90  | AFD 58-08-**-P/S-* A 5534            |
| AFD 58-10-**-P/S-* A 564 | 20,10  | 9,30    | 65,70  | AFD 58-10-**-P/S-* A 5534            |
| AFD 58-12-**-P/S-* A 564 | 24,40  | 12,75   | 65,60  | AFD 58-12-**-P/S-* A 5534            |
| AFD 58-14-**-P/S-* A 564 | 27,50  | 14,65   | 65,80  | AFD 58-14-**-P/S-* A 5534            |
| AFD 58-16-**-P/S-* A 564 | 30,85  | 17,80   | 65,60  | AFD 58-16-**-P/S-* A 5534            |
| AFD 58-18-**-P/S-* A 564 | 33,90  | 19,80   | 64,90  | AFD 58-18-**-P/S-* A 5534            |
| AFD 58-20-**-P/S-* A 564 | 37,10  | 23,00   | 67,25  | AFD 58-20-**-P/S-* A 5534            |
| AFD 58-22-**-P/S-* A 564 | 40,20  | 26,15   | 67,35  | AFD 58-22-**-P/S-* A 5534            |
| AFD 58-24-**-P/S-* A 564 | 43,40  | 29,10   | 68,00  | AFD 58-24-**-P/S-* A 5534            |

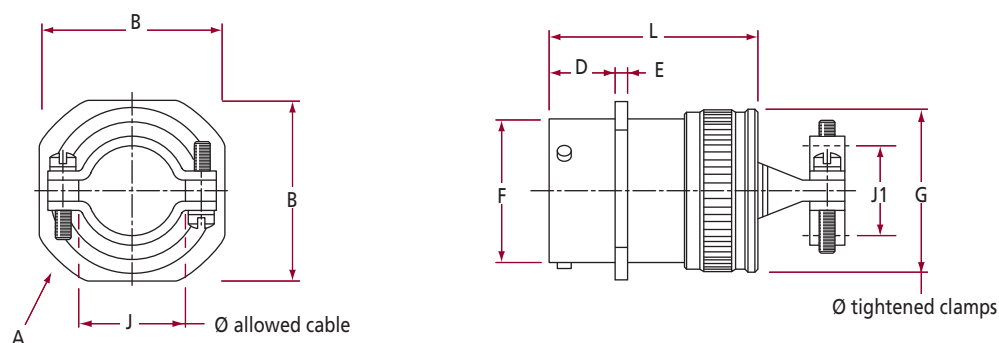
Note : L dimension calculated for a braid of 1 m/m thickness

## With backshell



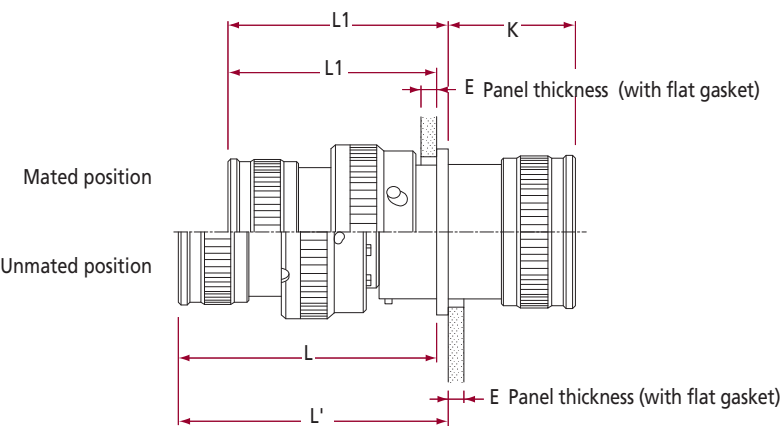
| Nickel Plating Reference | A max. | B max. | D $\pm 0,15$ | E max. | F max. | G max. | L max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|--------|--------------|--------|--------|--------|--------|--------------------------------------|
| AFD 51-08-**-P/S-*       | 24,15  | 21,00  | 11,13        | 1,95   | 12,03  | 15,65  | 36,85  | AFD 51-08-**-P/S-* A 231             |
| AFD 51-10-**-P/S-*       | 27,30  | 24,20  | 11,13        | 1,95   | 15,01  | 18,60  | 36,85  | AFD 51-10-**-P/S-* A 231             |
| AFD 51-12-**-P/S-*       | 29,70  | 26,55  | 11,13        | 1,95   | 19,07  | 21,75  | 36,85  | AFD 51-12-**-P/S-* A 231             |
| AFD 51-14-**-P/S-*       | 32,05  | 28,95  | 11,13        | 1,95   | 22,24  | 24,95  | 36,85  | AFD 51-14-**-P/S-* A 231             |
| AFD 51-16-**-P/S-*       | 34,45  | 31,30  | 11,13        | 1,95   | 25,42  | 28,20  | 36,85  | AFD 51-16-**-P/S-* A 231             |
| AFD 51-18-**-P/S-*       | 36,85  | 33,70  | 11,13        | 1,95   | 28,60  | 30,90  | 36,85  | AFD 51-18-**-P/S-* A 231             |
| AFD 51-20-**-P/S-*       | 40,00  | 36,85  | 14,30        | 2,55   | 31,77  | 34,15  | 38,40  | AFD 51-20-**-P/S-* A 231             |
| AFD 51-22-**-P/S-*       | 43,20  | 39,95  | 14,30        | 2,55   | 34,94  | 37,25  | 38,40  | AFD 51-22-**-P/S-* A 231             |
| AFD 51-24-**-P/S-*       | 46,30  | 43,15  | 15,10        | 2,55   | 38,12  | 40,45  | 38,40  | AFD 51-24-**-P/S-* A 231             |

## With straight cable clamp



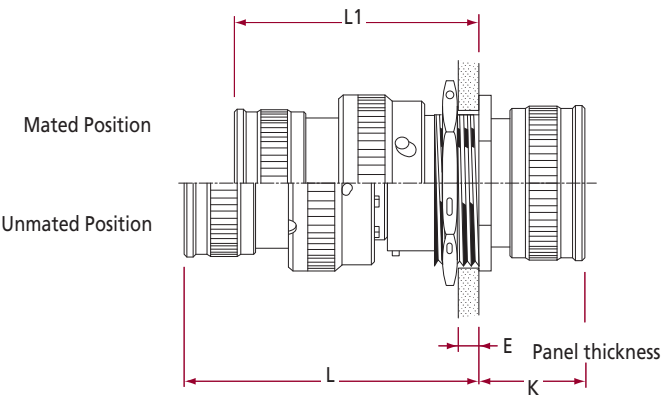
| Nickel Plating Reference | A max. | B max. | D $\pm 0,15$ | E max. | F max. | G max. | J mini. | J1 max. | L max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|--------|--------------|--------|--------|--------|---------|---------|--------|--------------------------------------|
| AFD 51-08-**-P/S-* 059   | 24,15  | 21,00  | 11,13        | 1,95   | 12,03  | 15,65  | 6,80    | 5,15    | 45,85  | AFD 51-08-**-P/S-* A 5347            |
| AFD 51-10-**-P/S-* 059   | 27,30  | 24,20  | 11,13        | 1,95   | 15,01  | 18,60  | 9,30    | 7,25    | 45,85  | AFD 51-10-**-P/S-* A 5347            |
| AFD 51-12-**-P/S-* 059   | 29,70  | 26,55  | 11,13        | 1,95   | 19,07  | 21,75  | 12,75   | 10,55   | 45,85  | AFD 51-12-**-P/S-* A 5347            |
| AFD 51-14-**-P/S-* 059   | 32,05  | 28,95  | 11,13        | 1,95   | 22,24  | 24,95  | 14,65   | 12,05   | 51,85  | AFD 51-14-**-P/S-* A 5347            |
| AFD 51-16-**-P/S-* 059   | 34,45  | 31,30  | 11,13        | 1,95   | 25,42  | 28,20  | 17,80   | 15,85   | 51,85  | AFD 51-16-**-P/S-* A 5347            |
| AFD 51-18-**-P/S-* 059   | 36,85  | 33,70  | 11,13        | 1,95   | 28,60  | 30,90  | 19,80   | 17,90   | 51,85  | AFD 51-18-**-P/S-* A 5347            |
| AFD 51-20-**-P/S-* 059   | 40,00  | 36,85  | 14,30        | 2,55   | 31,77  | 34,15  | 23,00   | 21,05   | 53,35  | AFD 51-20-**-P/S-* A 5347            |
| AFD 51-22-**-P/S-* 059   | 43,20  | 39,95  | 14,30        | 2,55   | 34,94  | 37,25  | 26,15   | 24,25   | 53,35  | AFD 51-22-**-P/S-* A 5347            |
| AFD 51-24-**-P/S-* 059   | 46,30  | 43,15  | 15,10        | 2,55   | 38,12  | 40,45  | 29,10   | 27,45   | 53,35  | AFD 51-24-**-P/S-* A 5347            |

## AFD 56 / AFD 50



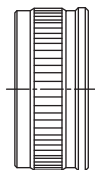
| Size     | E<br>max. | K<br>max. | L<br>max. | L'<br>max. | L1<br>max. | L1'<br>max. |
|----------|-----------|-----------|-----------|------------|------------|-------------|
| 08 to 18 | 2,50      | 23,85     | 48,10     | 50,10      | 38,70      | 40,70       |
| 20 to 22 | 5,40      | 21,45     | 52,60     | 55,15      | 43,30      | 45,85       |
| 24       | 5,40      | 20,65     | 53,40     | 55,95      | 44,10      | 46,65       |

## AFD 56 / AFD 54



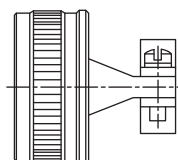
| Size     | E<br>max. | K<br>max. | L<br>max. | L1<br>max. |
|----------|-----------|-----------|-----------|------------|
| 08 to 18 | 4,30      | 16,30     | 54,75     | 45,45      |
| 20 to 24 | 6,35      | 15,35     | 56,40     | 47,10      |

### Backshell



| Size | Nickel Plating Reference | Olive Drab Cadmium Reference |
|------|--------------------------|------------------------------|
| 08   | 94002-08-3014            | 94002-08-A 231               |
| 10   | 94002-10-3014            | 94002-10-A 231               |
| 12   | 94002-12-3014            | 94002-12-A 231               |
| 14   | 94002-14-3014            | 94002-14-A 231               |
| 16   | 94002-16-3014            | 94002-16-A 231               |
| 18   | 94002-18-3014            | 94002-18-A 231               |
| 20   | 94002-20-3014            | 94002-20-A 231               |
| 22   | 94002-22-3014            | 94002-22-A 231               |
| 24   | 94002-24-3014            | 94002-24-A 231               |

### Straight cable clamp



| Size | Nickel Plating Reference | Olive Drab Cadmium Reference |
|------|--------------------------|------------------------------|
| 08   | 94003-08-3014            | 94003-08-A 231               |
| 10   | 94003-10-3014            | 94003-10-A 231               |
| 12   | 94003-12-3014            | 94003-12-A 231               |
| 14   | 94003-14-3014            | 94003-14-A 231               |
| 16   | 94003-16-3014            | 94003-16-A 231               |
| 18   | 94003-18-3014            | 94003-18-A 231               |
| 20   | 94003-20-3014            | 94003-20-A 231               |
| 22   | 94003-22-3014            | 94003-22-A 231               |
| 24   | 94003-24-3014            | 94003-24-A 231               |

### 90° end bell cable clamp



| Size | Nickel Plating Reference | Olive Drab Cadmium Reference |
|------|--------------------------|------------------------------|
| 08   | 94004-08-3014            | 94004-08-A 231               |
| 10   | 94004-10-3014            | 94004-10-A 231               |
| 12   | 94004-12-3014            | 94004-12-A 231               |
| 14   | 94004-14-3014            | 94004-14-A 231               |
| 16   | 94004-16-3014            | 94004-16-A 231               |
| 18   | 94004-18-3014            | 94004-18-A 231               |
| 20   | 94004-20-3014            | 94004-20-A 231               |
| 22   | 94004-22-3014            | 94004-22-A 231               |
| 24   | 94004-24-3014            | 94004-24-A 231               |

### Potting cup



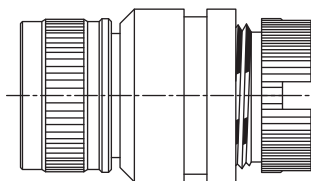
| Size | Nickel Plating Reference | Olive Drab Cadmium Reference |
|------|--------------------------|------------------------------|
| 08   | 006-0701-08-A 499        | 006-0701-08-A 231            |
| 10   | 006-0701-10-A 499        | 006-0701-10-A 231            |
| 12   | 006-0701-12-A 499        | 006-0701-12-A 231            |
| 14   | 006-0701-14-A 499        | 006-0701-14-A 231            |
| 16   | 006-0701-16-A 499        | 006-0701-16-A 231            |
| 18   | 006-0701-18-A 499        | 006-0701-18-A 231            |
| 20   | 006-0701-20-A 499        | 006-0701-20-A 231            |
| 22   | 006-0701-22-A 499        | 006-0701-22-A 231            |
| 24   | 006-0701-24-A 499        | 006-0701-24-A 231            |

## Thermo-shrink sleeve



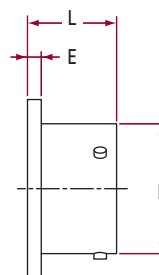
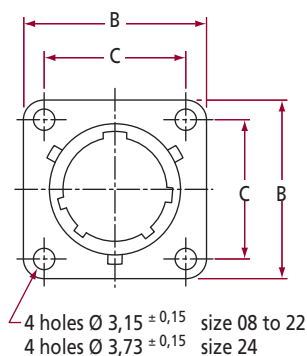
| Size | Nickel Plating Reference | Olive Drab Cadmium Reference |
|------|--------------------------|------------------------------|
| 08   | 004-0062-08-A 499        | 004-0062-08-A 231            |
| 10   | 004-0062-10-A 499        | 004-0062-10-A 231            |
| 12   | 004-0062-12-A 499        | 004-0062-12-A 231            |
| 14   | 004-0062-14-A 499        | 004-0062-14-A 231            |
| 16   | 004-0062-16-A 499        | 004-0062-16-A 231            |
| 18   | 004-0062-18-A 499        | 004-0062-18-A 231            |
| 20   | 004-0062-20-A 499        | 004-0062-20-A 231            |
| 22   | 004-0062-22-A 499        | 004-0062-22-A 231            |
| 24   | 004-0062-24-A 499        | 004-0062-24-A 231            |

## Grounding adaptor



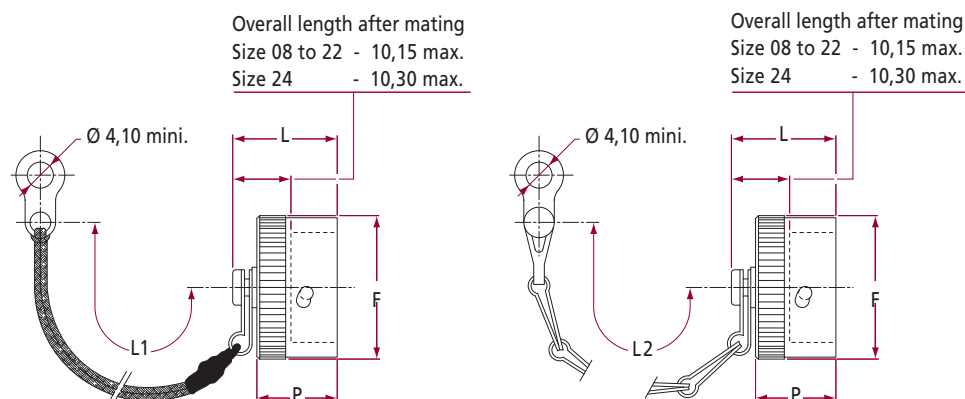
| Size | Nickel Plating Reference | Olive Drab Cadmium Reference |
|------|--------------------------|------------------------------|
| 08   | 014-1048-08-A 499        | 014-1048-08-A 231            |
| 10   | 014-1048-10-A 499        | 014-1048-10-A 231            |
| 12   | 014-1048-12-A 499        | 014-1048-12-A 231            |
| 14   | 014-1048-14-A 499        | 014-1048-14-A 231            |
| 16   | 014-1048-16-A 499        | 014-1048-16-A 231            |
| 18   | 014-1048-18-A 499        | 014-1048-18-A 231            |
| 20   | 014-1048-20-A 499        | 014-1048-20-A 231            |
| 22   | 014-1048-22-A 499        | 014-1048-22-A 231            |
| 24   | 014-1048-24-A 499        | 014-1048-24-A 231            |

## Dummy receptacle for plugs



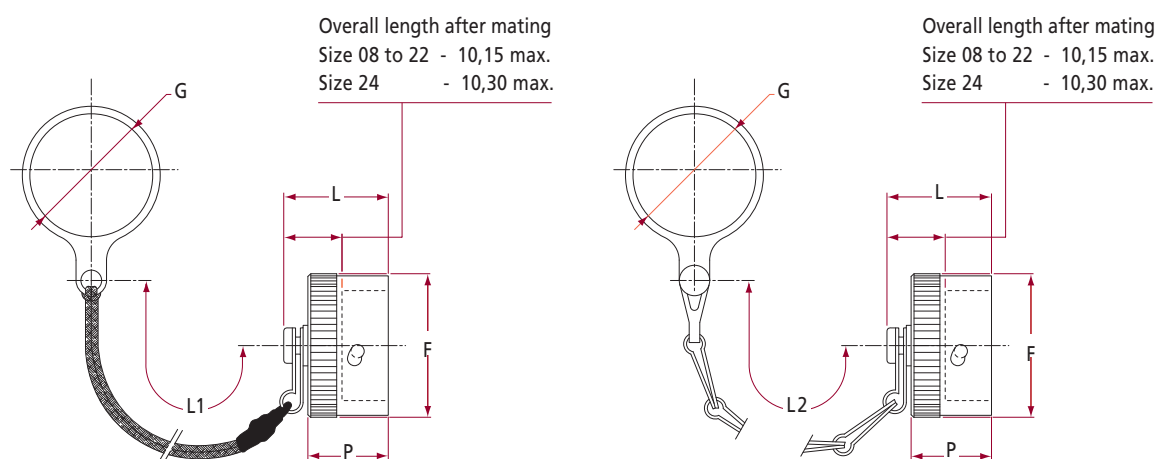
| Nickel Plating Reference | B max. | C $\pm 0,1$ | E max. | F max. | L max. | Olive Drab Cadmium Plating Reference |
|--------------------------|--------|-------------|--------|--------|--------|--------------------------------------|
| AFD 50-PR-08             | 21,00  | 15,08       | 1,95   | 12,03  | 14,70  | AFD 50-PR-08-A 231                   |
| AFD 50-PR-10             | 24,20  | 18,26       | 1,95   | 15,01  | 14,70  | AFD 50-PR-10-A 231                   |
| AFD 50-PR-12             | 26,55  | 20,62       | 1,95   | 19,07  | 14,70  | AFD 50-PR-12-A 231                   |
| AFD 50-PR-14             | 28,95  | 23,02       | 1,95   | 22,24  | 14,70  | AFD 50-PR-14-A 231                   |
| AFD 50-PR-16             | 31,30  | 24,58       | 1,95   | 25,42  | 14,70  | AFD 50-PR-16-A 231                   |
| AFD 50-PR-18             | 33,70  | 26,98       | 1,95   | 28,60  | 14,70  | AFD 50-PR-18-A 231                   |
| AFD 50-PR-20             | 36,85  | 29,36       | 2,55   | 31,77  | 17,20  | AFD 50-PR-20-A 231                   |
| AFD 50-PR-22             | 39,95  | 31,76       | 2,55   | 34,94  | 17,20  | AFD 50-PR-22-A 231                   |
| AFD 50-PR-24             | 43,15  | 34,92       | 2,55   | 38,12  | 17,20  | AFD 50-PR-24-A 231                   |

## For receptacle mounting on square flange receptacle



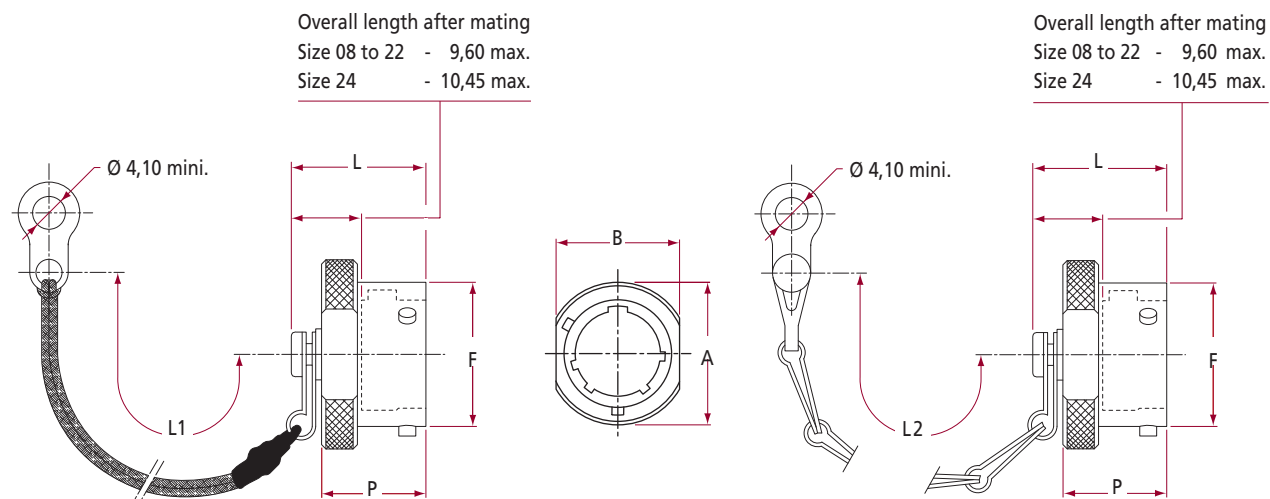
| Nickel Plating Reference |                 | F<br>max. | L<br>max. | L1<br>± 5 | L2<br>max. | P<br>max. | Olive Drab Cadmium Reference |                   |
|--------------------------|-----------------|-----------|-----------|-----------|------------|-----------|------------------------------|-------------------|
| Nylon braid              | Stainless chain |           |           |           |            |           | Nylon braid                  | Stainless chain   |
| AFD B 50-08              | AFD C 50-08     | 16,60     | 17,85     | 130,00    | 79,00      | 14,20     | AFD B 50-08- A 231           | AFD C 50-08-A 231 |
| AFD B 50-10              | AFD C 50-10     | 19,70     | 17,85     | 130,00    | 79,00      | 14,20     | AFD B 50-10- A 231           | AFD C 50-10-A 231 |
| AFD B 50-12              | AFD C 50-12     | 24,60     | 17,85     | 130,00    | 95,00      | 14,20     | AFD B 50-12- A 231           | AFD C 50-12-A 231 |
| AFD B 50-14              | AFD C 50-14     | 27,80     | 17,85     | 130,00    | 95,00      | 14,20     | AFD B 50-14- A 231           | AFD C 50-14-A 231 |
| AFD B 50-16              | AFD C 50-16     | 30,90     | 17,85     | 142,00    | 95,00      | 14,20     | AFD B 50-16- A 231           | AFD C 50-16-A 231 |
| AFD B 50-18              | AFD C 50-18     | 34,10     | 17,85     | 142,00    | 95,00      | 14,20     | AFD B 50-18- A 231           | AFD C 50-18-A 231 |
| AFD B 50-20              | AFD C 50-20     | 37,30     | 17,85     | 142,00    | 111,00     | 14,20     | AFD B 50-20- A 231           | AFD C 50-20-A 231 |
| AFD B 50-22              | AFD C 50-22     | 40,50     | 17,85     | 142,00    | 111,00     | 14,20     | AFD B 50-22- A 231           | AFD C 50-22-A 231 |
| AFD B 50-24              | AFD C 50-24     | 44,10     | 18,85     | 142,00    | 111,00     | 15,20     | AFD B 50-24- A 231           | AFD C 50-24-A 231 |

## For receptacle mounting on single hole mounting



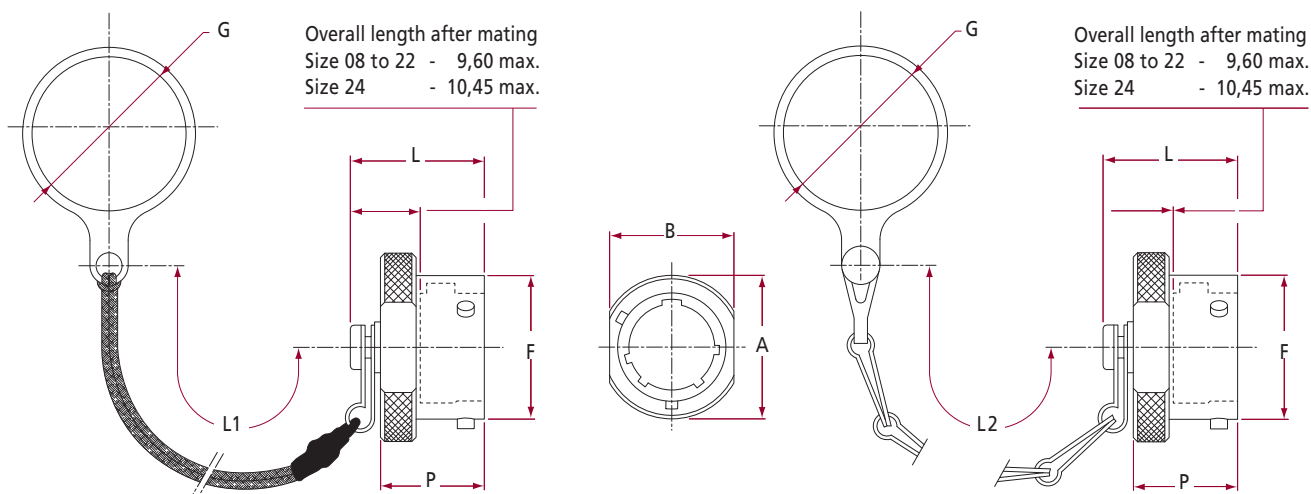
| Nickel Plating Reference |                 | F<br>max. | G<br>mini. | L<br>max. | L1<br>± 5 | L2<br>max. | P<br>max. | Olive Drab Cadmium Reference |                      |
|--------------------------|-----------------|-----------|------------|-----------|-----------|------------|-----------|------------------------------|----------------------|
| Nylon braid              | Stainless chain |           |            |           |           |            |           | Nylon braid                  | Stainless chain      |
| AFD B 50-54-08           | AFD C 50-54-08  | 16,60     | 14,60      | 17,85     | 130,00    | 79,00      | 14,20     | AFD B 50-54-08- A 231        | AFD C 50-54-08-A 231 |
| AFD B 50-54-10           | AFD C 50-54-10  | 19,70     | 17,70      | 17,85     | 130,00    | 79,00      | 14,20     | AFD B 50-54-10- A 231        | AFD C 50-54-10-A 231 |
| AFD B 50-54-12           | AFD C 50-54-12  | 24,60     | 22,50      | 17,85     | 130,00    | 95,00      | 14,20     | AFD B 50-54-12- A 231        | AFD C 50-54-12-A 231 |
| AFD B 50-54-14           | AFD C 50-54-14  | 27,80     | 25,70      | 17,85     | 130,00    | 95,00      | 14,20     | AFD B 50-54-14- A 231        | AFD C 50-54-14-A 231 |
| AFD B 50-54-16           | AFD C 50-54-16  | 30,90     | 28,90      | 17,85     | 142,00    | 95,00      | 14,20     | AFD B 50-54-16- A 231        | AFD C 50-54-16-A 231 |
| AFD B 50-54-18           | AFD C 50-54-18  | 34,10     | 32,00      | 17,85     | 142,00    | 95,00      | 14,20     | AFD B 50-54-18- A 231        | AFD C 50-54-18-A 231 |
| AFD B 50-54-20           | AFD C 50-54-20  | 37,30     | 35,20      | 17,85     | 142,00    | 111,00     | 14,20     | AFD B 50-54-20- A 231        | AFD C 50-54-20-A 231 |
| AFD B 50-54-22           | AFD C 50-54-22  | 40,50     | 38,40      | 17,85     | 142,00    | 111,00     | 14,20     | AFD B 50-54-22- A 231        | AFD C 50-54-22-A 231 |
| AFD B 50-54-24           | AFD C 50-54-24  | 44,10     | 41,60      | 18,85     | 142,00    | 111,00     | 15,20     | AFD B 50-54-24- A 231        | AFD C 50-54-24-A 231 |

## For plug attached to cable clamp



| Nickel Plating Reference |                 | A     | B     | F     | L     | L1     | L2     | P     | Olive Drab Cadmium Reference |                   |
|--------------------------|-----------------|-------|-------|-------|-------|--------|--------|-------|------------------------------|-------------------|
| Nylon braid              | Stainless chain | max.  | max.  | max.  | max.  | ± 5    | max.   | max.  | Nylon braid                  | Stainless chain   |
| AFD B 56-08              | AFD C 56-08     | 18,30 | 16,10 | 12,03 | 18,65 | 130,00 | 95,00  | 14,40 | AFD B 56-08-A 231            | AFD C 56-08-A 231 |
| AFD B 56-10              | AFD C 56-10     | 21,50 | 18,10 | 15,01 | 18,65 | 130,00 | 95,00  | 14,40 | AFD B 56-10-A 231            | AFD C 56-10-A 231 |
| AFD B 56-12              | AFD C 56-12     | 25,40 | 22,10 | 19,07 | 18,65 | 130,00 | 111,00 | 14,40 | AFD B 56-12-A 231            | AFD C 56-12-A 231 |
| AFD B 56-14              | AFD C 56-14     | 28,60 | 24,10 | 22,24 | 18,65 | 130,00 | 111,00 | 14,40 | AFD B 56-14-A 231            | AFD C 56-14-A 231 |
| AFD B 56-16              | AFD C 56-16     | 31,80 | 27,10 | 25,42 | 18,65 | 142,00 | 111,00 | 14,40 | AFD B 56-16-A 231            | AFD C 56-16-A 231 |
| AFD B 56-18              | AFD C 56-18     | 34,90 | 30,10 | 28,60 | 18,65 | 142,00 | 111,00 | 14,40 | AFD B 56-18-A 231            | AFD C 56-18-A 231 |
| AFD B 56-20              | AFD C 56-20     | 38,10 | 33,10 | 31,77 | 20,25 | 142,00 | 127,00 | 16,00 | AFD B 56-20-A 231            | AFD C 56-20-A 231 |
| AFD B 56-22              | AFD C 56-22     | 41,30 | 36,10 | 34,94 | 20,25 | 142,00 | 127,00 | 16,00 | AFD B 56-22-A 231            | AFD C 56-22-A 231 |
| AFD B 56-24              | AFD C 56-24     | 44,50 | 41,10 | 38,12 | 21,10 | 142,00 | 127,00 | 16,80 | AFD B 56-24-A 231            | AFD C 56-24-A 231 |

## For plug attached for plug

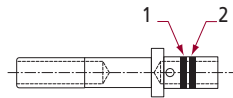


| Nickel Plating Reference |                 | A     | B     | F     | G     | L     | L1     | L2     | P     | Olive Drab Cadmium Reference |                      |
|--------------------------|-----------------|-------|-------|-------|-------|-------|--------|--------|-------|------------------------------|----------------------|
| Nylon braid              | Stainless chain | max.  | max.  | max.  | mini. | max.  | ± 5    | max.   | max.  | Nylon braid                  | Stainless chain      |
| AFD B 56-56-08           | AFD C 56-56-08  | 18,30 | 16,10 | 12,03 | 12,45 | 18,65 | 130,00 | 79,00  | 14,40 | AFD B 56-56-08-A 231         | AFD C 56-56-08-A 231 |
| AFD B 56-56-10           | AFD C 56-56-10  | 21,50 | 18,10 | 15,01 | 15,70 | 18,65 | 130,00 | 79,00  | 14,40 | AFD B 56-56-10-A 231         | AFD C 56-56-10-A 231 |
| AFD B 56-56-12           | AFD C 56-56-12  | 25,40 | 22,10 | 19,07 | 18,85 | 18,65 | 130,00 | 95,00  | 14,40 | AFD B 56-56-12-A 231         | AFD C 56-56-12-A 231 |
| AFD B 56-56-14           | AFD C 56-56-14  | 28,60 | 24,10 | 22,24 | 22,10 | 18,65 | 130,00 | 95,00  | 14,40 | AFD B 56-56-14-A 231         | AFD C 56-56-14-A 231 |
| AFD B 56-56-16           | AFD C 56-56-16  | 31,80 | 27,10 | 25,42 | 25,50 | 18,65 | 142,00 | 95,00  | 14,40 | AFD B 56-56-16-A 231         | AFD C 56-56-16-A 231 |
| AFD B 56-56-18           | AFD C 56-56-18  | 34,90 | 30,10 | 28,60 | 27,35 | 18,65 | 142,00 | 95,00  | 14,40 | AFD B 56-56-18-A 231         | AFD C 56-56-18-A 231 |
| AFD B 56-56-20           | AFD C 56-56-20  | 38,10 | 33,10 | 31,77 | 30,40 | 20,25 | 142,00 | 111,00 | 16,00 | AFD B 56-56-20-A 231         | AFD C 56-56-20-A 231 |
| AFD B 56-56-22           | AFD C 56-56-22  | 41,30 | 36,10 | 34,94 | 33,30 | 20,25 | 142,00 | 111,00 | 16,00 | AFD B 56-56-22-A 231         | AFD C 56-56-22-A 231 |
| AFD B 56-56-24           | AFD C 56-56-24  | 44,50 | 41,10 | 38,12 | 36,80 | 21,10 | 142,00 | 111,00 | 16,80 | AFD B 56-56-24-A 231         | AFD C 56-56-24-A 231 |

Male contact



Female contact



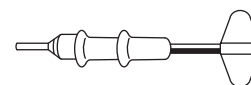
Wire strip length



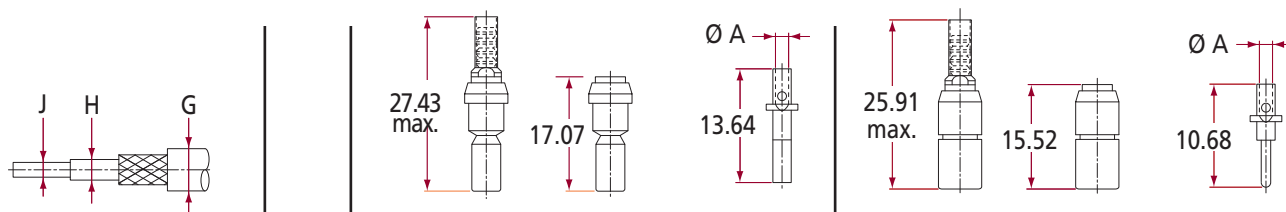
| CONTACTS                         |                  |      |             |       |                            |            |        | CABLES                     |             |               |
|----------------------------------|------------------|------|-------------|-------|----------------------------|------------|--------|----------------------------|-------------|---------------|
| Commercial reference<br>Codified | Former code      | Type | AWG<br>size | Index | Remarks                    | Color code |        | Section in mm <sup>2</sup> | AWG<br>wire | Ø over sheath |
| 006-0937-20 A                    | 0641-10-2059 C   | P    | 20          | -     | -                          | red        | red    | 0,22 to 0,60               | 20 to 24    | 1,01 to 2,10  |
| 006-0912-20 A                    | 0603-34-2059 C   | S    |             |       |                            |            |        |                            |             |               |
| 006-0972-20 A                    | 0641-24-2059 C   | P    | 20          | -     | reduced<br>bucket contact  | red        | black  | 0,055 to 0,15              | 26 to 30    | 1,01 to 2,10  |
| 006-0973-20 A                    | 0603-21-2059 C   | S    |             |       |                            |            |        |                            |             |               |
| 006-0044-20 A                    | DF 06-044-20 C   | P    | 20          | -     | enlarged<br>bucket contact | red        | purple | 0,38 to 0,93               | 18 to 22    | 1,01 to 2,10  |
| 006-0055-20 A                    | DF 06-A 055-20 C | S    |             |       |                            |            |        |                            |             |               |
| 006-0982-20                      | 0641-14-2000     | P    | 20          | -     | chromel<br>contact         | mark Ch    |        | 0,22 to 0,60               | 20 to 24    | 1,01 to 2,10  |
| 006-0985-20                      | 0603-16-2000     | S    |             |       |                            |            |        |                            |             |               |
| 025-0404-20                      |                  | P    | 20          | -     | chromel<br>contact         | mark Ch    |        | 0,38 to 0,93               | 18 to 22    | 1,01 to 2,10  |
| 025-0405-20                      |                  | S    |             |       |                            |            |        |                            |             |               |
| 006-0983-20                      | 0641-15-2000     | P    | 20          | -     | alumel<br>contact          | mark Al    |        | 0,38 to 0,93               | 18 to 22    | 1,01 to 2,10  |
| 006-0984-20                      | 0603-15-2000     | S    |             |       |                            |            |        |                            |             |               |
| 025-0402-20                      |                  | P    | 20          | -     | alumel<br>contact          | mark Al    |        | 0,38 to 0,93               | 18 to 22    | 1,01 to 2,10  |
| 025-0403-20                      |                  | S    |             |       |                            |            |        |                            |             |               |
| 006-1060-20                      |                  | P    | 20          | -     | constantan<br>contact      | -          | -      | 0,22 to 0,60               | 20 to 24    | 1,01 to 2,10  |
| 006-1062-20                      |                  | S    |             |       |                            |            |        |                            |             |               |
| 025-0406-20                      |                  | P    | 20          | -     | constantan<br>contact      | -          | -      | 0,38 to 0,93               | 18 to 22    | 1,01 to 2,10  |
| 025-0407-20                      |                  | S    |             |       |                            |            |        |                            |             |               |
| 006-0937-16 A                    | 0641-12-1659 C   | P    | 16          | -     | -                          | blue       | blue   | 0,60 to 1,34               | 16 to 20    | 1,35 to 2,62  |
| 006-0912-16 A                    | 0603-33-1659 C   | S    |             |       |                            |            |        |                            |             |               |
| 006-1102-16 A                    |                  | P    | 16          | -     | enlarged<br>bucket contact | blue       | orange | 1,91                       | 14          | 1,35 to 2,62  |
| 006-1104-16 A                    |                  | S    |             |       |                            |            |        |                            |             |               |
| 025-0870-16 A                    |                  | P    | 16          | -     | reduced<br>bucket contact  | blue       | black  | 0,055 to 0,15              | 26 to 30    | 1,35 to 2,62  |
| 025-0871-16 A                    |                  | S    |             |       |                            |            |        |                            |             |               |
| 006-1168-16                      | 109 026-16       | P    | 16          | -     | reduced<br>bucket contact  | blue       | red    | 0,22 to 0,60               | 20 to 24    | 1,01 to 2,10  |
| 006-1169-16                      | 109 027-16       | S    |             |       |                            |            |        |                            |             |               |
| 006-0937-12 A                    | 0641-32-1259 C   | P    | 12          | -     | -                          | yellow     | yellow | 1,91 to 3,18               | 12 to 14    | 2,51 to 4,01  |
| 006-0912-12 A                    | 0603-32-1259 C   | S    |             |       |                            |            |        |                            |             |               |
| 006-1157-12 A                    | 109 028 A        | P    | 12          | -     | reduced<br>bucket contact  | yellow     | blue   | 0,60 to 1,34               | 16 to 20    | 1,34 to 2,61  |
| 006-1159-12 A                    | 109 029 A        | S    |             |       |                            |            |        |                            |             |               |
| 005-0893-08                      | 101 -333-59      | P    | 8           | 8     | -                          | -          | -      | 5,30 to 8,98               | 8 to 10     | 3,80 to 5,15  |
| 005-0896-08                      | 101 -334-59      | S    |             |       |                            |            |        |                            |             |               |
| 005-0257-08                      | DF 05-257-08     | P    | 8           | 87    | reduced<br>bucket contact  | -          | -      | 5,30                       | 10          | 3,80 to 5,15  |
| 005-0258-08                      | DF 05-258-08     | S    |             |       |                            |            |        |                            |             |               |
| 006-0041-08                      | DF 06-A 041-08   | P    | 8           | 88    | -                          | -          | -      | 8,98                       | 8           | 3,80 to 5,15  |
| 006-0040-08                      | DF 06-A 040-08   | S    |             |       |                            |            |        |                            |             |               |

Note : Standard contacts supplied with connector  
Reference to be order

Connector rear face



| TOOLS        |        |               |             |                                                    |                                    |               |
|--------------|--------|---------------|-------------|----------------------------------------------------|------------------------------------|---------------|
| Sealing plug |        | Crimping tool |             | Insertion and extraction tool                      | Extraction tool non wired contacts |               |
| Reference    | Color  | Reference     | Turret      | Wired contacts                                     | Reference                          | Alternate end |
| 4113-4-2001  | red    | 057-0461-00   | 057-0462-00 | M 15570-20                                         | M 15571                            | 105910        |
| 4113-4-2001  | red    | 057-0461-00   | 057-0462-00 | M 15570-20                                         | M 15571                            | 105910        |
| 4113-4-2001  | red    | 057-0461-00   | 057-0462-00 | M 15570-20                                         | M 15571                            | 105910        |
| 4113-4-2001  | red    | 057-0461-00   | 057-0462-00 | M 15570-20                                         | M 15571                            | 105910        |
| 4113-4-2001  | red    | 057-0461-00   | 057-0462-00 | M 15570-20                                         | M 15571                            | 105910        |
| 4113-4-2001  | red    | 057-0461-00   | 057-0462-00 | M 15570-20                                         | M 15571                            | 105910        |
| 4113-4-2001  | red    | 057-0461-00   | 057-0462-00 | M 15570-20                                         | M 15571                            | 105910        |
| 4113-4-2001  | red    | 057-0461-00   | 057-0462-00 | M 15570-20                                         | M 15571                            | 105910        |
| 4113-4-2001  | red    | 057-0461-00   | 057-0462-00 | M 15570-20                                         | M 15571                            | 105910        |
| 0613-1-1601  | blue   | 057-0461-00   | 057-0462-00 | M 15570-16                                         | M 15571                            | 105911        |
| 0613-1-1601  | blue   | 057-0461-00   | 057-0462-00 | M 15570-16                                         | M 15571                            | 105911        |
| 0613-1-1601  | blue   | 057-0461-00   | 057-0462-00 | M 15570-16                                         | M 15571                            | 105911        |
| 0613-1-1601  | blue   | 057-0461-00   | 057-0462-00 | M 15570-16                                         | M 15571                            | 105911        |
| 0613-1-1201  | yellow | 057-0461-00   | 057-0462-00 | M 15570-12                                         | M 15571                            | 105912        |
| 0613-1-1201  | yellow | 057-0461-00   | 057-0462-00 | M 15570-12                                         | M 15571                            | 105912        |
| 0613-4-0000  | green  | 057-0461-00   | 057-0462-00 | M 15570-25 (insertion)<br>M 15515-109 (extraction) | -                                  | -             |
| 0613-4-0000  | green  | 057-0461-00   | 057-0462-00 | M 15570-25 (insertion)<br>M 15515-109 (extraction) | -                                  | -             |
| 0613-4-0000  | green  | 057-0461-00   | 057-0462-00 | M 15570-25 (insertion)<br>M 15515-109 (extraction) | -                                  | -             |



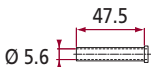
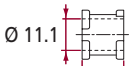
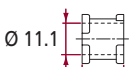
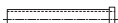
|                                                                                                |           |           |           |                          | CONTACTS                      |                               |                               |           |                               |                               |                               |           |
|------------------------------------------------------------------------------------------------|-----------|-----------|-----------|--------------------------|-------------------------------|-------------------------------|-------------------------------|-----------|-------------------------------|-------------------------------|-------------------------------|-----------|
| Wires used                                                                                     |           |           |           | Coax<br>contact<br>Index | Male contacts                 |                               |                               |           | Female contacts               |                               |                               |           |
| Reference                                                                                      | G<br>max. | H<br>max. | J<br>max. |                          | Complete contact<br>reference | Sub-<br>assembly<br>reference | Inner<br>contact<br>reference | Ø A<br>mm | Complete contact<br>reference | Sub-<br>assembly<br>reference | Inner<br>contact<br>reference | Ø A<br>mm |
| RG 161/U<br>RG 174/U<br>RG 178/U<br>RG 178 A/U<br>RG 179/U<br>RG 187/U<br>RG 188/U<br>RG 196/U | 2,95      | 1,52      | 0,76      | Standard                 | 106467                        | 106469                        | 106472                        | 0,81      | 106468                        | 106470                        | 106471                        | 0,81      |
| RG 180/U<br>RG 195/U                                                                           | 3,94      | 2,62      | 0,76      | 1                        | 0603-37-0000                  | 106469                        | 106472                        | 0,81      | 0603-38-0000                  | 106470                        | 106471                        | 0,81      |
| Special                                                                                        | 2,95      | 1,52      | 0,97      | 9                        | 0603-39-0000                  | 106469                        | 0107-028-000                  | 0,99      | 0603-40-0000                  | 106470                        | 4141-7-2600                   | 0,99      |
| 50 PPDT                                                                                        | 3,90      | 2         | 0,70      | F1                       | DF 05-A065-00-0059            | 106469                        | 106472                        | 0,81      | DF 05-A066-00-0059            | 106470                        | 106471                        | 0,81      |

Note : Standard contacts supplied with connector  
For wiring of coax contacts imperatively use the Directions for Wiring n° NC 025 011\*

| COMMON PARTS      |                  |            |                             |                          |                           |              |                          |                          |
|-------------------|------------------|------------|-----------------------------|--------------------------|---------------------------|--------------|--------------------------|--------------------------|
| Grommet reference | Insert reference | Ø B ± 0,05 | Supporting sleeve reference | Ø C ± 0,05    Ø D ± 0,02 | Crimping sleeve reference | Ø E    Ø F   | Sealing sleeve reference | Sealing sleeve reference |
| 105172            | 0614-1-0000      | 1,78       | 105551                      | 2,36    1,67             | 5121-3-2601               | 3,91    3,04 | -                        | 100368                   |
| 105172            | 0614-1-0001      | 2,74       | 105552                      | 3,51    2,74             | 5121-3-2606               | 5,13    4,11 | -                        | -                        |
| 105172            | 0614-1-0000      | 1,78       | 105551                      | 2,36    1,67             | 5121-3-2601               | 3,91    3,04 | -                        | 100368                   |
| 105172            | 0614-1-0001      | 2,74       | DF 05-063-000               | 3,51    2,12             | 0108-002-001              | 5,10    4    | 207/8                    | -                        |

| TOOLS FOR COAX |                                |             |                      |                |                 |
|----------------|--------------------------------|-------------|----------------------|----------------|-----------------|
| Coax index     | External contact crimping tool | Positioner  | Sleeve crimping tool | Insertion tool | Extraction tool |
| Standard       | 057-0463-00                    | 057-0464-00 | 20053                | M 15570-25     | M 15570-25      |
| 1              | 057-0463-00                    | 057-0464-00 | 20052                | M 15570-25     | M 15570-25      |
| 9              | 057-0463-00                    | 057-0464-00 | 20053                | M 15570-25     | M 15570-25      |
| F 1            | 057-0463-00                    | 057-0464-00 | 20055                | M 15570-25     | M 15570-25      |

■ For cable clamp

| Size shell | Main bushing                                                                                                       | Middle bushing                                                                                                       |                                                                                                      |                                                                                                      |
|------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <b>08</b>  | <br>10<br>006-0005-08             |                                                                                                                      |                                                                                                      |                                                                                                      |
| <b>10</b>  | <br>10<br>006-0005-10             |                                                                                                                      |                                                                                                      |                                                                                                      |
| <b>12</b>  | <br>10<br>006-0005-12             | <br>47.5<br>Ø 5.6<br>006-0006-12    |                                                                                                      |                                                                                                      |
| <b>14</b>  | <br>Ø 11.1<br>10<br>006-0005-14   | <br>44<br>Ø 7.9<br>006-0006-14      | <br>006-0006-12    |                                                                                                      |
| <b>16</b>  | <br>Ø 11.1<br>10<br>006-0005-16 | <br>006-0006-14                   | <br>006-0006-12  |                                                                                                      |
| <b>18</b>  | <br>Ø 14.3<br>10<br>006-0005-18 | <br>40.5<br>Ø 11.1<br>006-0006-18 | <br>006-0006-14  | <br>006-0006-12 |
| <b>20</b>  | <br>Ø 15.9<br>10<br>006-0005-20 | <br>37<br>Ø 14.3<br>006-0006-20   | <br>006-0006-18  | <br>006-0006-14 |
| <b>22</b>  | <br>Ø 19<br>10<br>006-0005-22   | <br>33.5<br>Ø 15.9<br>006-0006-22 | <br>006-0006-20 | <br>006-0006-18 |
| <b>24</b>  | <br>Ø 23.8<br>10<br>006-0005-24 | <br>30<br>Ø 19<br>006-0006-24     | <br>006-0006-22 | <br>006-0006-20 |



## **Mechanical**

|                           |         |                                                                                                                     |
|---------------------------|---------|---------------------------------------------------------------------------------------------------------------------|
| Materials                 | Shell   | : Steel                                                                                                             |
|                           | Plating | : Tin over nickel plating                                                                                           |
| Insert                    |         | : Compression glass ; silicone gasket                                                                               |
| Insert retention in shell |         | : The glass can withstand 70 bars of pressure differential without loss of mechanical or electrical characteristics |
| Contacts                  | Type    | : Solder type                                                                                                       |
|                           | Finish  | : Gold as per MIL-G 45204                                                                                           |
| Durability                |         | : 500 full coupling and uncoupling cycles                                                                           |
| Temperature               |         | : - 55° C to + 200° C                                                                                               |
| Air leakage               |         | : Leakage inferior to $\leq 1 \times 10^{-7} \text{ cm}^3 / \text{hour}$ under a 1 bar differential pressure        |
| Physical Shocks           |         | : 50 G in the 3 axes                                                                                                |

## **Electrical**

|                          |                        |                                                                                     |
|--------------------------|------------------------|-------------------------------------------------------------------------------------|
| Withstanding voltage     | at sea level           | : Service 1 : 1500 V 50 Hz (R.M.S)<br>Service 2 : 2300 V 50 Hz (R.M.S)              |
|                          | in altitude at 15000 m | : Service 1 : 500 V<br>Service 2 : 750 V                                            |
|                          | in altitude at 21000 m | : Service 1 : 375 V<br>Service 2 : 500 V                                            |
|                          | in altitude at 33000 m | : Service 1 : 200 V<br>Service 2 : 200 V                                            |
| Insulation resistance    |                        | : Higher than 5000 MΩ at 20° C at 65 % R.H                                          |
| Contacts maximum current |                        | : Size 20 : 5 A.<br>Size 16 : 10 A.<br>Size 12 : 17 A.                              |
| Contact millivolt drop   |                        | : Size 20 : 75 mv at 5 A.<br>Size 16 : 100 mv at 10 A.<br>Size 12 : 100 mv at 17 A. |

## Square flange receptacle



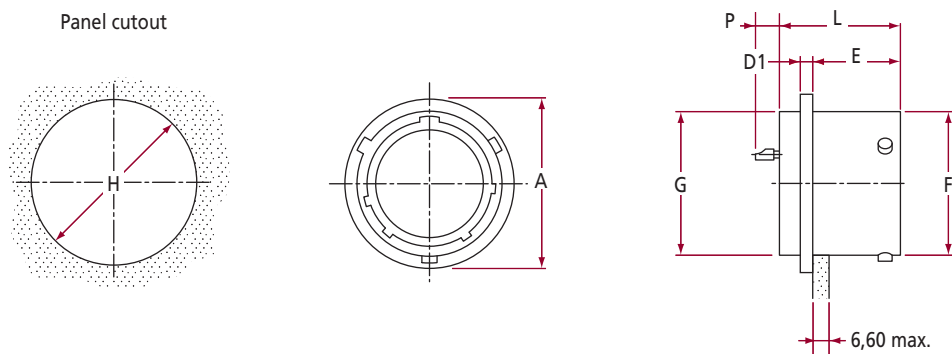
| Reference         | B     | C         | D          | E    | F     | G     | L     | P max.<br>Sizes |       | H              |
|-------------------|-------|-----------|------------|------|-------|-------|-------|-----------------|-------|----------------|
|                   | max.  | $\pm 0,1$ | $\pm 0,15$ | max. | max.  | max.  | max.  | 20              | 16-12 | $+0$<br>$-0,2$ |
| DBC 50H-08-**-P-* | 21,00 | 15,08     | 14,95      | 1,60 | 12,03 | 14,30 | 20,35 | 4,55            | 6,30  | 14,70          |
| DBC 50H-10-**-P-* | 24,20 | 18,26     | 14,95      | 1,60 | 15,01 | 17,10 | 20,35 | 4,55            | 6,30  | 17,50          |
| DBC 50H-12-**-P-* | 26,55 | 20,62     | 14,95      | 1,60 | 19,07 | 19,90 | 20,35 | 4,55            | 6,30  | 20,30          |
| DBC 50H-14-**-P-* | 28,95 | 23,02     | 14,95      | 1,60 | 22,24 | 23,05 | 20,35 | 4,55            | 6,30  | 23,45          |
| DBC 50H-16-**-P-* | 31,30 | 24,58     | 14,95      | 1,60 | 25,42 | 26,25 | 20,35 | 4,55            | 6,30  | 26,65          |
| DBC 50H-18-**-P-* | 33,70 | 26,98     | 14,95      | 1,60 | 28,60 | 29,40 | 20,35 | 4,55            | 6,30  | 29,80          |
| DBC 50H-20-**-P-* | 36,85 | 29,36     | 16,55      | 2,40 | 31,77 | 31,80 | 21,95 | 4,55            | 6,30  | 32,20          |
| DBC 50H-22-**-P-* | 39,95 | 31,76     | 16,55      | 2,40 | 34,94 | 34,95 | 22,75 | 3,70            | 5,50  | 35,35          |
| DBC 50H-24-**-P-* | 43,15 | 34,92     | 16,55      | 2,40 | 38,12 | 38,15 | 22,75 | 3,70            | 5,50  | 38,55          |

## Single hole receptacle



| Reference         | A     | B     | D          | E    | F     | H              | K              | M     | P max.<br>Sizes |       |
|-------------------|-------|-------|------------|------|-------|----------------|----------------|-------|-----------------|-------|
|                   | max.  | max.  | $\pm 0,15$ | max. | max.  | $+0$<br>$-0,2$ | $+0$<br>$-0,2$ | max.  | 20              | 16-12 |
| DBC 54H-08-**-P-* | 27,35 | 24,20 | 17,78      | 2,85 | 12,03 | 14,65          | 13,85          | 19,20 | 3,40            | 5,20  |
| DBC 54H-10-**-P-* | 30,55 | 27,35 | 17,78      | 2,85 | 15,01 | 17,80          | 17,05          | 22,37 | 3,40            | 5,20  |
| DBC 54H-12-**-P-* | 35,30 | 32,15 | 17,78      | 2,85 | 19,07 | 22,55          | 21,15          | 27,12 | 3,40            | 5,20  |
| DBC 54H-14-**-P-* | 38,50 | 35,30 | 17,78      | 2,85 | 22,24 | 25,70          | 24,30          | 30,30 | 3,40            | 5,20  |
| DBC 54H-16-**-P-* | 41,65 | 38,50 | 17,78      | 2,85 | 25,42 | 28,90          | 27,45          | 33,47 | 3,40            | 5,20  |
| DBC 54H-18-**-P-* | 44,80 | 41,65 | 17,78      | 2,85 | 28,60 | 32,05          | 30,65          | 36,67 | 3,40            | 5,20  |
| DBC 54H-20-**-P-* | 49,60 | 46,40 | 19,43      | 3,70 | 31,77 | 35,25          | 33,80          | 39,82 | 2,55            | 2,55  |
| DBC 54H-22-**-P-* | 52,75 | 49,60 | 19,43      | 3,70 | 34,94 | 38,40          | 37,00          | 43,02 | 2,55            | 2,55  |
| DBC 54H-24-**-P-* | 55,95 | 52,75 | 20,17      | 3,70 | 38,12 | 41,60          | 40,15          | 46,17 | 2,55            | 2,55  |

## Solder receptacle



| Reference         | A     | D1   | E    | F     | G     | H     | L          | P max.<br>Sizes |       |
|-------------------|-------|------|------|-------|-------|-------|------------|-----------------|-------|
|                   | max.  | max. | max. | max.  | max.  | max.  | +0<br>-0,2 | 20              | 16-12 |
| DBC 53H-08-**-P-* | 16,15 | 4,00 | 0,90 | 12,03 | 14,30 | 14,70 | 20,35      | 4,55            | 6,30  |
| DBC 53H-10-**-P-* | 19,30 | 4,00 | 0,90 | 15,01 | 17,50 | 17,10 | 20,35      | 4,55            | 6,30  |
| DBC 53H-12-**-P-* | 21,70 | 4,00 | 0,90 | 19,07 | 19,90 | 20,30 | 20,35      | 4,55            | 6,30  |
| DBC 53H-14-**-P-* | 24,90 | 4,00 | 0,90 | 22,24 | 23,45 | 23,05 | 20,35      | 4,55            | 6,30  |
| DBC 53H-16-**-P-* | 28,05 | 4,00 | 0,90 | 25,42 | 26,25 | 26,65 | 20,35      | 4,55            | 6,30  |
| DBC 53H-18-**-P-* | 31,20 | 4,00 | 0,90 | 28,60 | 29,40 | 29,80 | 20,35      | 4,55            | 6,30  |
| DBC 53H-20-**-P-* | 33,60 | 4,00 | 0,90 | 31,77 | 31,80 | 32,20 | 21,95      | 4,55            | 6,30  |
| DBC 53H-22-**-P-* | 36,80 | 4,80 | 0,90 | 34,94 | 34,95 | 35,35 | 22,75      | 3,70            | 5,50  |
| DBC 53H-24-**-P-* | 40,00 | 4,80 | 0,90 | 38,12 | 38,15 | 38,55 | 22,75      | 3,70            | 5,50  |



CONNECTEURS ELECTRIQUES DEUTSCH

17, rue Lavoisier z.i. n° 2 B.P. 117 27091 EVREUX CEDEX 09 (FRANCE) - Tél.: +33 (0)2 32 23 57 00 - Fax : +33 (0)2 32 23 58 00  
E-mail : [ced@deutsch.net](mailto:ced@deutsch.net) - Web : [www.deutsch.net](http://www.deutsch.net) - Réf.: CC 011-21 E Edition Mars 2008