



- Ex d and Ex e cable glands for unarmoured cables and cables with wire-braid armouring
- Increased safety: Sealing of the outer cable sheath, flood seal, designed to prevent cold flow
- Globally certified in accordance with IECEx, ATEX and CSA

MY R. STAHL A2FA



The Series A2F metal Ex d and Ex d cable glands are designed for unarmoured cables and cables with wire-braid armouring. Greater safety is ensured by the flood seal with integral protection and the sealing of the outer cable sheath by an explosion-protected displacement seal, as well as the prevention of cold flow. They have global certification according to IECEx, ATEX and CSA.

| | IECEx / ATEX | | | | | |
|-----------------|--------------|---|---|----|----|----|
| Zone | 0 | 1 | 2 | 20 | 21 | 22 |
| Installation in | | • | • | • | • | • |

| Selection Table | | | | | | | | |
|-----------------|-------------|---------------------|--------------------|----------------------|-------------------|----------|----------|--------|
| Thread standard | | metric | | | | | | |
| Material | | Nickel-plated brass | | | | | | |
| Gland size | Thread size | Inner sheath | Width across flats | Width across corners | Protrusion length | PVC boot | Art. No. | Weight |
| 20 | M20 | 6.5 ... 14 mm | 27 mm | 29.7 mm | 27.2 mm | PVC05 | 243464 | 60 g |
| 20s | M20 | 6.1 ... 11.7 mm | 24 mm | 26.4 mm | 25.1 mm | PVC04 | 243463 | 60 g |
| 20s/16 | M20 | 3.2 ... 8.7 mm | 24 mm | 26.4 mm | 25.1 mm | PVC04 | 243462 | 70 g |
| 25 | M25 | 11.1 ... 20 mm | 36 mm | 39.6 mm | 35.5 mm | PVC09 | 107642 | 115 g |
| 32 | M32 | 17 ... 26.3 mm | 41 mm | 45.1 mm | 34.2 mm | PVC10 | 243465 | 150 g |
| 40 | M40 | 23.5 ... 32.2 mm | 50 mm | 55 mm | 35.1 mm | PVC13 | 107730 | 200 g |
| 50 | M50 | 35.6 ... 44 mm | 55 mm | 66 mm | 36.3 mm | PVC18 | 107801 | 270 g |
| 50s | M50 | 31 ... 38.2 mm | 60 mm | 60.5 mm | 32 mm | PVC15 | 107767 | 260 g |
| 63 | M63 | 47.2 ... 55.9 mm | 75 mm | 82.5 mm | 35.8 mm | PVC23 | 243467 | 400 g |
| 63s | M63 | 41.5 ... 49.9 mm | 70.5 mm | 77.6 mm | 33.5 mm | PVC21 | 243466 | 430 g |
| 75 | M75 | 61.1 ... 67.9 mm | 84 mm | 92.4 mm | 40.6 mm | PVC26 | 109035 | 500 g |
| 75s | M75 | 54 ... 61.9 mm | 80 mm | 88 mm | 34.2 mm | PVC24 | 107895 | 520 g |
| Thread standard | | metric | | | | | | |
| Material | | Stainless steel | | | | | | |
| Gland size | Thread size | Inner sheath | Width across flats | Width across corners | Protrusion length | PVC boot | Art. No. | Weight |
| 20 | M20 | 6.5 ... 14 mm | 27 mm | 29.7 mm | 27.2 mm | PVC05 | 221749 | 70 g |
| 20s | M20 | 6.1 ... 11.7 mm | 24 mm | 26.4 mm | 25.1 mm | PVC04 | 168142 | 60 g |
| 20s/16 | M20 | 3.2 ... 8.7 mm | 24 mm | 26.4 mm | 25.1 mm | PVC04 | 107538 | 70 g |
| 25 | M25 | 11.1 ... 20 mm | 36 mm | 39.6 mm | 35.5 mm | PVC09 | 243468 | 123 g |
| 32 | M32 | 17 ... 26.3 mm | 41 mm | 45.1 mm | 34.2 mm | PVC10 | 168145 | 150 g |

Selection Table

| Thread standard | | metric | | | | | | |
|-----------------|-------------|---------------------|--------------------|----------------------|-------------------|----------|----------|--------|
| Material | | Stainless steel | | | | | | |
| Gland size | Thread size | Inner sheath | Width across flats | Width across corners | Protrusion length | PVC boot | Art. No. | Weight |
| 40 | M40 | 23.5 ... 32.2 mm | 50 mm | 55 mm | 35.1 mm | PVC13 | 168146 | 200 g |
| 50 | M50 | 35.6 ... 44 mm | 60 mm | 66 mm | 36.3 mm | PVC18 | 168148 | 270 g |
| 50s | M50 | 31 ... 38.2 mm | 55 mm | 60.5 mm | 32 mm | PVC15 | 243469 | 246 g |
| 63 | M63 | 47.2 ... 55.9 mm | 75 mm | 82.5 mm | 35.8 mm | PVC23 | 243481 | 378 g |
| 63s | M63 | 41.5 ... 49.9 mm | 70.5 mm | 77.6 mm | 33.5 mm | PVC21 | 243470 | 406 g |
| 75 | M75 | 61.1 ... 67.9 mm | 84 mm | 92.4 mm | 40.6 mm | PVC26 | 246269 | 472 g |
| 75s | M75 | 54 ... 61.9 mm | 80 mm | 88 mm | 34.2 mm | PVC24 | 246268 | 491 g |
| Thread standard | | NPT | | | | | | |
| Material | | Nickel-plated brass | | | | | | |
| Gland size | Thread size | Inner sheath | Width across flats | Width across corners | Protrusion length | PVC boot | Art. No. | Weight |
| 20 | NPT1/2 | 6.5 ... 14 mm | 27 mm | 29.7 mm | 27.2 mm | PVC05 | 246228 | 70 g |
| 20s | NPT1/2 | 6.1 ... 11.7 mm | 24 mm | 26.4 mm | 25.1 mm | PVC04 | 246227 | 60 g |
| 20s/16 | NPT1/2 | 3.2 ... 8.7 mm | 24 mm | 26.4 mm | 25.1 mm | PVC04 | 246226 | 70 g |
| 25 | NPT3/4 | 11.1 ... 20 mm | 36 mm | 39.6 mm | 35.5 mm | PVC09 | 246229 | 130 g |
| 32 | NPT1 | 17 ... 26.3 mm | 41 mm | 45.1 mm | 34.2 mm | PVC10 | 246230 | 150 g |
| 40 | NPT1-1/4 | 23.5 ... 32.2 mm | 50 mm | 55 mm | 35.1 mm | PVC13 | 246261 | 200 g |
| 50 | NPT2 | 35.6 ... 44 mm | 60 mm | 66 mm | 36.3 mm | PVC18 | 246263 | 270 g |
| 50s | NPT1-1/2 | 31 ... 38.2 mm | 55 mm | 60.5 mm | 32 mm | PVC15 | 246262 | 260 g |
| 63 | NPT2-1/2 | 47.2 ... 55.9 mm | 75 mm | 82.5 mm | 35.8 mm | PVC23 | 246265 | 400 g |
| 63s | NPT2 | 41.5 ... 49.9 mm | 70.5 mm | 77.6 mm | 33.5 mm | PVC21 | 246264 | 430 g |
| Thread standard | | NPT | | | | | | |
| Material | | Stainless steel | | | | | | |
| Gland size | Thread size | Inner sheath | Width across flats | Width across corners | Protrusion length | PVC boot | Art. No. | Weight |
| 20 | NPT1/2 | 6.5 ... 14 mm | 27 mm | 29.7 mm | 27.2 mm | PVC05 | 246272 | 66 g |
| 20s | NPT1/2 | 6.1 ... 11.7 mm | 24 mm | 26.4 mm | 25.1 mm | PVC04 | 246271 | 57 g |
| 20s/16 | NPT1/2 | 3.2 ... 8.7 mm | 24 mm | 26.4 mm | 25.1 mm | PVC04 | 246270 | 66 g |
| 25 | NPT3/4 | 11.1 ... 20 mm | 36 mm | 39.6 mm | 35.5 mm | PVC09 | 246273 | 123 g |
| 32 | NPT1 | 17 ... 26.3 mm | 41 mm | 45.1 mm | 34.2 mm | PVC10 | 246274 | 142 g |
| 40 | NPT1-1/4 | 23.5 ... 32.2 mm | 50 mm | 55 mm | 35.1 mm | PVC13 | 246275 | 189 g |
| 50 | NPT2 | 35.6 ... 44 mm | 60 mm | 66 mm | 36.3 mm | PVC18 | 246277 | 255 g |
| 50s | NPT1-1/2 | 31 ... 38.2 mm | 55 mm | 60.5 mm | 32 mm | PVC15 | 246276 | 246 g |
| 63 | NPT2-1/2 | 47.2 ... 55.9 mm | 75 mm | 82.5 mm | 35.8 mm | PVC23 | 246279 | 378 g |
| 63s | NPT2 | 41.5 ... 49.9 mm | 70.5 mm | 77.6 mm | 33.5 mm | PVC21 | 246278 | 406 g |

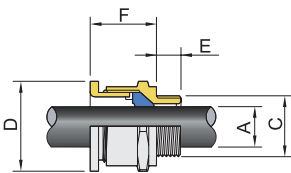
Versions with country codes BRA, CHN and others available on request.

Technical Data
Explosion Protection

| | |
|----------------------------------|-----------------------|
| IECEX gas explosion protection | Ex db IIC Gb |
| IECEX gas explosion protection 2 | Ex eb IIC Gb |
| IECEX dust explosion protection | Ex ta IIIC Da |
| IECEX restricted breathing | Ex nR IIC Gc |
| ATEX gas explosion protection | Ⓔ II 2 G Ex db IIC Gb |
| ATEX gas explosion protection 2 | Ⓔ II 2 G Ex eb IIC Gb |

| Technical Data | |
|--------------------------------|---|
| Explosion Protection | |
| ATEX dust explosion protection | ⊕ II 1 D Ex ta IIIC Da |
| ATEX restricted breathing | ⊕ II 3 G Ex nR IIC Gc |
| Notes | The product certificates can be downloaded from the manufacturer's homepage (www.cmp-products.com) |
| Ex version | Ex e & Ex d & Ex nR & Ex ta |
| Ambient Conditions | |
| Ambient temperature | -60 °C ... +130 °C |
| Mechanical Data | |
| Strain relief | No |
| Degree of protection (IP) | IP66 |
| Degree of protection note | IP67 and IP68 mounting according to the specifications of the manufacturer, CMP. The specified degrees of protection are only fulfilled if CMP installation accessories are used. |
| Sealing material | SOLO LSF |
| Silicone-free | Yes |
| Construction type | BS 6121, IEC/EN 62444 |
| Impact strength | 20 J |

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



A = Inner sheath C = Thread size
 D = Width across corners D = Width across flats
 E = Thread length F = Protrusion length