

CMP-20A2FFC    Art. No. 243605



- Ex d and Ex e cable gland for all unarmoured cables and cables with wire-braid armouring in flexible and rigid conduits
- Outer cable sheath sealed by an explosion-protected displacement seal
- Globally certified in accordance with IECEx, ATEX and CSA

MY R. STAHL A2FFCA



The Series A2FFC metal Ex d and Ex e cable glands are designed for all types of unarmoured cables and cables with wire-braid armouring which are installed in flexible or rigid conduits, including those with a rubber coating. A thread adaptor is also required for connecting to rigid conduits. The cable entries are designed to prevent cold flow.

Technical Data

| Explosion Protection                   |                                                                                      |
|----------------------------------------|--------------------------------------------------------------------------------------|
| Area of application                    | EAC<br>India<br>CCC<br>Canada (CSA)<br>TUV<br>European Union (ATEX)<br>IECEX<br>UKEX |
| Ex version                             | Ex e & Ex d & Ex nR & Ex ta                                                          |
| Application range (zones)              | 1, 2, 20, 21, 22                                                                     |
| IECEX gas certificate                  | IECEX CML 18.0179X                                                                   |
| IECEX gas explosion protection         | Ex db eb IIC Gb                                                                      |
| IECEX dust certificate                 | IECEX CML 18.0179X                                                                   |
| IECEX dust explosion protection        | Ex ta IIIC Da                                                                        |
| IECEX firedamp certificate             | IECEX CML 18.0179X                                                                   |
| IECEX firedamp protection              | Ex db I Mb                                                                           |
| IECEX firedamp protection 2            | Ex eb I Mb                                                                           |
| IECEX restricted breathing certificate | IECEX CML 18.0179X                                                                   |
| IECEX restricted breathing             | Ex nR IIC Gc                                                                         |
| ATEX gas certificate                   | CML18ATEX1321X                                                                       |
| ATEX gas certificate 2                 | CML18ATEX4313X                                                                       |
| ATEX gas explosion protection          | Ex II 2 G Ex db eb IIC Gb                                                            |
| ATEX dust certificate                  | CML18ATEX1321X                                                                       |
| ATEX dust explosion protection         | Ex II 1 D Ex ta IIIC Da                                                              |
| ATEX firedamp certificate              | CML18ATEX1321X                                                                       |
| ATEX firedamp protection               | Ex I M2 Ex db I Mb                                                                   |
| ATEX firedamp protection 2             | Ex I M2 Ex eb I Mb                                                                   |
| ATEX restricted breathing certificate  | CML18ATEX1321X                                                                       |

# Installation equipment and accessories

## Cable gland for flexible conduit

**STAHL****CMP-20A2FFC Art. No. 243605****Explosion Protection**

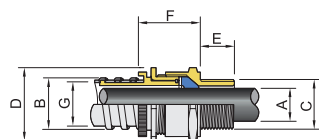
|                           |                                                                                                                                                |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| ATEX restricted breathing | II 3 G Ex nR IIC Gc                                                                                                                            |
| Notes                     | The product certificates can be downloaded from the manufacturer's homepage ( <a href="http://www.cmp-products.com">www.cmp-products.com</a> ) |

**Ambient Conditions**

|                     |                    |
|---------------------|--------------------|
| Ambient temperature | -60 °C ... +130 °C |
|---------------------|--------------------|

**Mechanical Data**

|                                |                                                                         |
|--------------------------------|-------------------------------------------------------------------------|
| Version                        | 20                                                                      |
| Strain relief                  | No                                                                      |
| Degree of protection (IP)      | IP66                                                                    |
| Degree of protection note      | Mounting in accordance with the specifications of the manufacturer, CMP |
| Degree of protection (IP) UL   | IP66                                                                    |
| Sealing material               | SOLO LSF                                                                |
| Material                       | Nickel-plated brass                                                     |
| Silicone-free                  | Yes                                                                     |
| Clamping range                 | 6.5 – 13.1 mm                                                           |
| Armouring type                 | Unarmoured cable types                                                  |
| Armouring type 2               | Cable with protective braiding                                          |
| Clamping range                 | 6.5 ... 13.1 mm                                                         |
| Construction type              | BS 6121, IEC/EN 62444                                                   |
| Width across corners           | 29.7 mm                                                                 |
| Width across flats             | 27 mm                                                                   |
| Thread size                    | M20                                                                     |
| Thread length                  | 15 mm                                                                   |
| Thread pitch                   | 1,5                                                                     |
| Thread standard                | metric                                                                  |
| Gland size                     | 20                                                                      |
| Inner sheath                   | 6.5 ... 13.1 mm                                                         |
| Max. internal conduit diameter | 15.6 mm                                                                 |
| Max. external conduit diameter | 21.6 mm                                                                 |
| Protrusion length              | 35.4 mm                                                                 |
| Impact strength                | 20 J                                                                    |
| Lot size                       | 1                                                                       |
| Weight                         | 100 g                                                                   |
| Weight                         | 0.22 lb                                                                 |

**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  
G = Max. internal conduit diameter  
B = Max. external conduit diameter

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We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.