

Cable Glands Ex e & Ex d & Ex nR & Ex ta

Series TMC for MC, MC-HL, Interlocked and "Teck" Armoured



- Designed for use in North America
- Version with NPT thread and metric thread
- Operating temperature range: -60 °C ... +110 °C
- Class I Zone 1, 21 und Zone 2, 22
- Class I Zone 1 Ex e and Class I Div. 2 groups ABCD
- Worldwide certification, UL, cCSAus, IECEx and ATEX

E10

MY R. STAHL TMCA



The cable glands have a sequential design and, therefore, do not need to be dismantled for installation. A 360° rotary spring establishes secure earthing. They have worldwide certification according to UL, cCSAus, IECEx and ATEX.

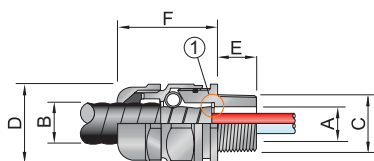
| | IECEx / ATEX | | | | | |
|-----------------|--------------|---|---|----|----|----|
| Zone | 0 | 1 | 2 | 20 | 21 | 22 |
| Installation in | | • | • | • | • | • |

| Selection Table | | | | | | | | |
|-----------------|------------------|------------------|--------------------|----------------------|-------------------|----------|----------|--------|
| Thread standard | | Metric | | | | | | |
| Thread size | Inner sheath | Outer sheath | Width across flats | Width across corners | Protrusion length | PVC boot | Art. No. | Weight |
| M20 | 8.7 ... 12.7 mm | 9 ... 13.9 mm | 30.5 mm | 33.6 mm | 46.5 mm | PVC06 | 243563 | 520 g |
| | 12.9 ... 17 mm | 13.9 ... 20 mm | 36 mm | 39.6 mm | 52.3 mm | PVC09 | 243564 | 520 g |
| M25 | 15 ... 23.3 mm | 17 ... 26.3 mm | 41 mm | 45.1 mm | 53.1 mm | PVC10 | 243565 | 520 g |
| M32 | 19.7 ... 29.2 mm | 22 ... 32.2 mm | 50 mm | 55 mm | 56.9 mm | PVC13 | 243566 | 520 g |
| M40 | 27.5 ... 35.2 mm | 29.5 ... 38.2 mm | 55 mm | 60.5 mm | 56.3 mm | PVC15 | 243567 | 590 g |
| M50 | 33.5 ... 41.1 mm | 35.6 ... 44.1 mm | 60 mm | 66 mm | 58.6 mm | PVC18 | 243568 | 690 g |
| Thread standard | | NPT | | | | | | |
| Thread size | Inner sheath | Outer sheath | Width across flats | Width across corners | Protrusion length | PVC boot | Art. No. | Weight |
| NPT1/2 | 8.7 ... 12.7 mm | 9 ... 13.9 mm | 30.5 mm | 33.6 mm | 46.5 mm | PVC06 | 254316 | 220 g |
| | 13 ... 17 mm | 11.1 ... 20 mm | 36 mm | 39.6 mm | 52.2 mm | PVC09 | 254317 | 280 g |
| NPT1-1/2 | 33.5 ... 41.1 mm | 35.6 ... 44.1 mm | 60 mm | 66 mm | 58.6 mm | PVC18 | 254321 | 690 g |
| NPT1-1/4 | 27.5 ... 35.2 mm | 29.5 ... 38.2 mm | 55 mm | 60.5 mm | 56.3 mm | PVC15 | 254320 | 590 g |
| NPT2 | 38.3 ... 47.1 mm | 40.1 ... 50.1 mm | 70 mm | 77 mm | 63.9 mm | PVC21 | 254322 | 1.2 kg |
| | 45 ... 53 mm | 47.2 ... 56 mm | 75 mm | 82.5 mm | 63.2 mm | PVC23 | 254323 | 1.1 kg |
| NPT2-1/2 | 52.1 ... 58.9 mm | 52.8 ... 62 mm | 80 mm | 88 mm | 69.3 mm | PVC25 | 254324 | 1.7 kg |
| | 57.1 ... 64.6 mm | 59.1 ... 68 mm | 85 mm | 93.5 mm | 72 mm | PVC27 | 254325 | 1.6 kg |
| NPT3 | 64.6 ... 75.3 mm | 66.6 ... 79.4 mm | 110 mm | 121 mm | 98.2 mm | LSF32 | 254326 | 3.5 kg |
| NPT3-1/2 | 74 ... 88.5 mm | 76 ... 97.2 mm | 133.4 mm | 146.7 mm | 117.6 mm | LSF34 | 254327 | 6.7 kg |

Inner sheath: max. possible cable diameter range. The cable diameter range can vary when the armour stop is removed or added (armour stop included with delivery).

Technical Data

| Explosion Protection | |
|---------------------------------|--|
| IECEX gas explosion protection | Ex eb IIC Gb |
| IECEX dust explosion protection | Ex ta IIIC Da |
| IECEX firedamp protection | Ex db I Mb |
| IECEX firedamp protection 2 | Ex eb I Mb |
| IECEX restricted breathing | Ex nR IIC Gc |
| ATEX gas explosion protection | Ⓜ II 2 G Ex eb IIC Gb |
| ATEX dust explosion protection | Ⓜ II 1 D Ex ta IIIC Da |
| ATEX firedamp protection | Ⓜ I M2 Ex db I Mb |
| ATEX firedamp protection 2 | Ⓜ I M2 Ex eb I Mb |
| ATEX restricted breathing | Ⓜ II 3 G Ex nR IIC Gc |
| Notes | The product certification and 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 ... +110 °C |
| Mechanical Data | |
| Degree of protection (IP) | IP66 |
| Degree of protection note | Mounting in accordance with the specifications of the manufacturer, CMP |
| Material | Nickel-plated brass |

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


- 1 = removable armour stop
 A = Inner sheath B = Outer sheath
 C = Thread size D = Width across corners
 D = Width across flats E = Thread length
 F = Protrusion length

You can find all the dimensions online at r-stahl.com