



# Cable Glands

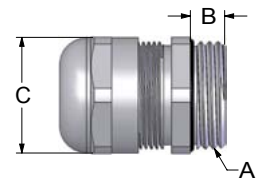
## Metric Threads Cable Glands



Explosion-Proof Brass Cable Glands | Metric Threads | IP68 Rating

| Part Number | Diameter Range (mm) | A<br>Mounting Hole<br>Clearance (mm) | B<br>Thread Length<br>(mm) | C<br>Wrench Flats<br>(mm) | Thread Type |
|-------------|---------------------|--------------------------------------|----------------------------|---------------------------|-------------|
| MCGEX-M12   | 3 - 6.5             | 12.2                                 | 5                          | 14                        | M12 x 1.5   |
| MCGEX-M16   | 5 - 9               | 16.2                                 | 5                          | 17                        | M16 x 1.5   |
| MCGEX-M20   | 6 - 12              | 20.2                                 | 6                          | 22                        | M20 x 1.5   |
| MCGEX-M25   | 11 - 16             | 25.2                                 | 7                          | 27                        | M25 x 1.5   |
| MCGEX-M32   | 14 - 21             | 32.2                                 | 8                          | 34                        | M32 x 1.5   |
| MCGEX-M40   | 19 - 27             | 40.2                                 | 8                          | 43                        | M40 x 1.5   |
| MCGEX-M50   | 24 - 35             | 50.2                                 | 9                          | 55                        | M50 x 1.5   |
| MCGEX-M63   | 32 - 42             | 63.2                                 | 10                         | 65                        | M63 x 1.5   |

These Explosion-Proof Cable Glands are made of Nickel Plated Brass and are for potentially explosive areas according to EN 50014 and EN 50019. The type of protection is EExd e II-increased safety. There is excellent strain relief, a wide clamping range, and a torsion protected plastic insert that is resistant to impact at cold temperatures. Also, the cable glands feature a neoprene sealing insert, the O-Ring seal is BUNA-N, and the permanent ambient temperature is -25°C to +80°C (-13° F to +176°F). Protection type is IP 68 according to EN 60529, E-Generation, certificate of conformity: DMT 99 ATEX E 016. Locking Nuts must be ordered separately.



### ATEX 100a

With a view toward further harmonization of the legal provisions in the European Union in respect to the use of equipment and protection systems in accordance with the regulations in areas subject to explosion hazards, the European Parliament and Council passed Directive 94/9/EC on the 23rd of March, 1994. This directive is also known as ATEX 100A. The period for implementing this guideline started on the 1st of March, 1996 and from the 1st of July, 2003 onwards, it will replace and supplement all directives on explosion protection applicable to date at the European level. The single market requires national regulations to be replaced by European Standards (EN).

The ATEX 100A governs the requirements for all (both electrical and non-electrical) equipment and protection systems which are intended for use in areas subject to explosion hazards. Monitoring, control and safety equipment for use outside areas subject to explosion hazards also fall within the provisions of this directive if they are necessary in view of explosion hazards for the safe running of equipment and protection systems.

The explosion-proof cable glands listed in this catalog are produced in Germany and are for use in areas subject to explosion hazards. Such parts are also termed "cable glands and entry fittings" (abbreviated KLE) and "accessories."

EN 50014 defines cable glands and entry fittings as equipment which allows one or several electrical and/or fibre optic cables or wires to be inserted into electrical equipment while retaining the corresponding type of protection.

The explosion-proof KLE items contained in this catalog are suitable for inserting cables and wires into housing of protection type EEx e "increased safety," and EEx i "inherent safety" in Device Groups II and Categories 2 and 3.

For further information on ATEX and European explosion-proof classifications, please consult the factory.

These specifications are not intended to be correlated to or to be a substitution for U.S. Explosion-Proof ratings.