



Product manual reducers, adapters, plugs etc.



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I-061217



## Purpose of these instructions

- Working in hazardous areas, the safety of personnel and plant depends on complying with all relevant safety regulations.
- Assembly and maintenance staff working on installations therefore have a particular responsibility. They require precise knowledge of the applicable standards and regulations.
- These instructions give a brief summary of the most important safety measures. It supplements the corresponding regulations which the staff must study.



## SAFETY INSTRUCTIONS

- Use the explosion-proof cable gland only for its intended purpose.
- Explosion-proof cable glands are not suitable for Zone 0 hazardous areas!
- Incorrect or impermissible use or non-compliance with these instructions invalidates our warranty provision.
- No changes to the device impairing its explosion protection are permitted.
- Use the explosion-proof cable gland only if they are clean and undamaged.
- Any damage can invalidate the Ex-protection.
- Observe the following during installation and operation:
  - National safety regulations;
  - National accident prevention regulations;
  - National installation regulations (e.g. IEC 60079-14);
  - Generally recognized technical regulations;
  - Safety guidelines in these operating instructions;

## Conformity to standards

The explosion-proof cable gland is designed and manufactured according to standard of ISO 9001.  
The explosion-proof cable glands is conformity to the directive 94/9/EC, ATEX and the following standards:  
EN 60079-0 : 2009      EN60079-1 : 2007  
EN 60079-7 : 2007      EN60079-31 : 2008

## Applicable scope

The series product can be used in zone 1, 2, 21 and zone 22.



## Technical data

Ex mark:

- Ⓔ I/II 2G / Ex d I/IIC Gb
- Ⓔ I/II 2G / Ex e I/IIC Gb
- Ⓔ III 2D / Ex tb IIIC Db IP66

Test certificate ISSeP 10 ATEX 035U

Reduced marking

- Locknuts, shrouds and earth tags are only marked with "Ex"

Ambient temperature - With EPDM o-rings and shrouds or Nylon gaskets -40°C to 100°C, with Silicone materials -70°C to 220°C

## Accessories / Spare parts

Use only original spare parts as well as original accessories produced by INDEX ELEKTRO BV.

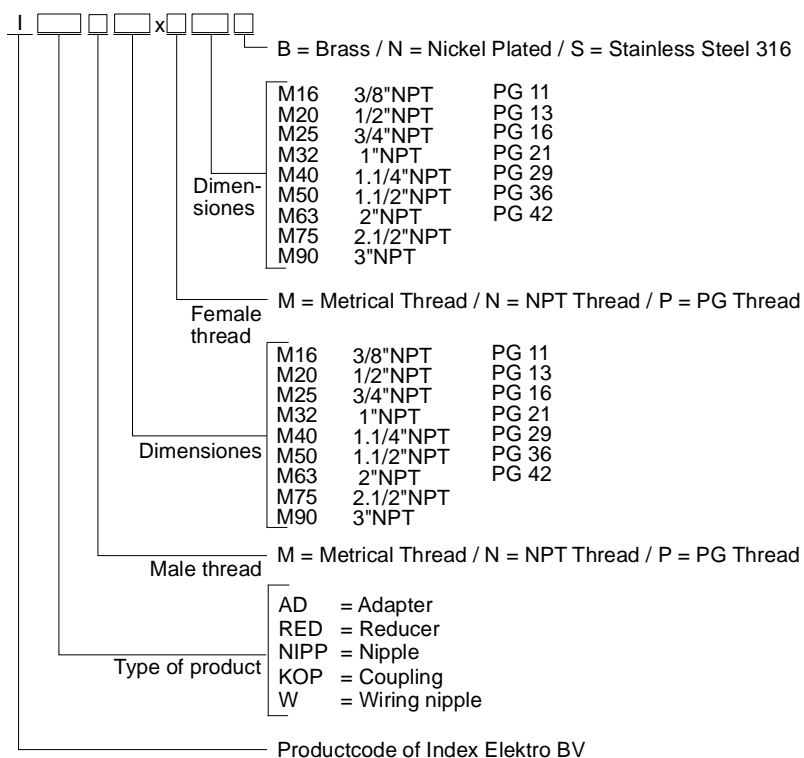
## Maintenance / repairs

- Observe the relevant national regulations for your country.
- Only parts from our company that can be used to replace or maintenance and the operation should be carried out by professional staff.
- The following points must be checked during maintenance:
  - \* Compliance with permitted temperatures of the enclosures
  - \* Check if the product has been fixed reliably.
  - \* Check if the product is damaged.

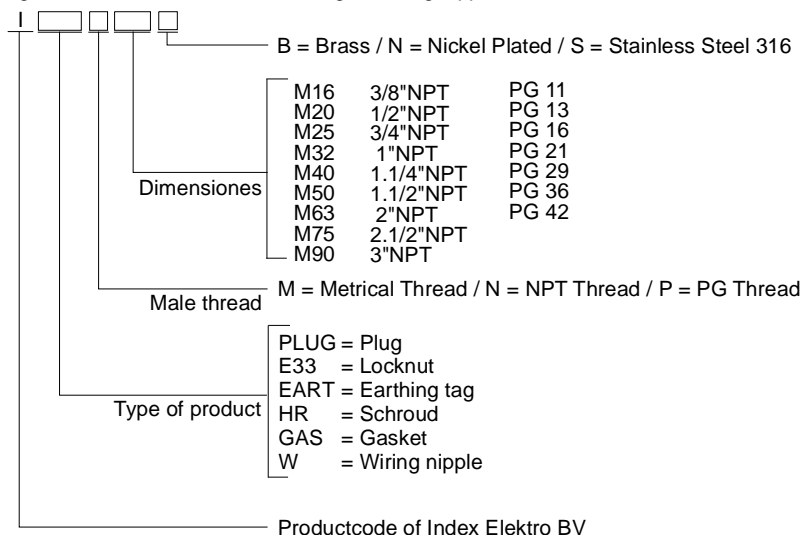
## Disposal / recycling

The respective valid national regulations for waste disposal shall be observed when disposing products. We are pleased to answer any questions. In this case you can contact INDEX ELEKTRO BV.

### Explosion-proof Reducers / Adapters / Couplings / Wiring nipples



### Explosion-proof Plugs / Locknuts / Shrouds / Earth tags / Wiring nipples

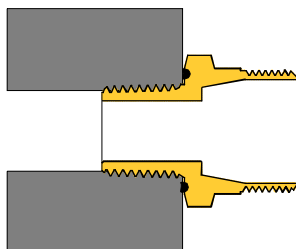




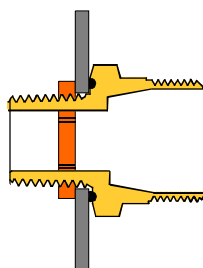
## Operation/installation

- Transport and storage in original packaging only. National safety and installations regulations and the generally accepted rules of engineering practice must be observed when mounting and using this equipment.
- Explosion-proof cable gland is suitable for use in hazardous areas, zones 1, 2, 21 and 22.
- The choice, application and mounting of the products must be at all times in accordance with the EN IEC 60079 part 14

### Mounting equipment



1. Screw the products for Ex d or Ex e applications into the box or device  
For Ex d applications at least 5 windings



2. Equipment for Ex e applications may be mounted with a locknut