



# Couplings - Adaptors female - female



FLAMEPROOF EX D • INCREASED SAFETY EX E • FOR INDOOR & OUTDOOR APPLICATIONS



### Coupling Female-Female adaptors (code: M)

The adaptors are also available in version female-female, suitable to transform the cable entries from male to female. Can also be used to connect different types or dimensions of thread. The exagonal adaptors fit spanner up to 55 mm while the cylindrical ones fit larger sizes.

### Main regulatory requirements:

The user have to use only one adaptor for the assembly of a cable entry. The user have not to close an adaptor or a coupling with a plug. These accessories are intended for the assembly of a cable entry only. Accessories in aluminium are suitable only for Group II (Surface).

**Application fields** Surface - Group II • Mines - Group I

### Approvals / Certifications

ATEX certificate: INERIS 12 ATEX 0089X  
IEC Ex certificate: IEC Ex INE 10.0014X  
UKCA certificate: CML 21UKEX1589X,  
EAC certificate: НАСТХОЛ RU C-IT.АЯ45.В.00909  
CCC Ex NEPSI certificate: Nr. 2021322313003705

### Protection type

Ex db IIC • Ex eb II (gas) • Ex tb IIIC (dusts) • Ex db I • Ex eb I (mines)

### EPL (Equipment protection level)

**Zone 1-2:** Mb mines • Gb, Gc gas

**Zone 21-22:** Db Dc combustible dusts

### Execution

Ex db IIC • Ex eb II • Ex tb IIIC • Ex db I • Ex eb I Db according to

**ATEX:** EN 60079-0:2012 • EN 60079-1:2014 • EN 60079-7:2015 • EN 60079-31:2014 • EN 60529:1991

**IEC Ex:** IEC 60079-0:2011 • IEC 60079-1:2014 • IEC 60079-7:2015 • IEC 60079-15:2010 • IEC 60079-31:2013 • IEC 60529:1989

### Ambient temperatures in services: sealing washers materials

Nylon sealing washer -40°C ÷ + 100°C  
Silicone sealing washer -65°C ÷ + 220°C  
PTFE sealing washer -65°C ÷ + 220°C  
Without sealing washer -70°C ÷ +400°C

### Available materials

Brass (code: **OT**) • Nickel-plated brass (code: **ON**)  
AISI316L Stainless steel (code: **S6**) • Aluminium (code: **AL**)

### Available threads

ISO 262 Metrical • ISO 228 • DIN 40430 Pg  
ANSI B1.20.1 NPT • EN 10226 Gk (only for ATEX)

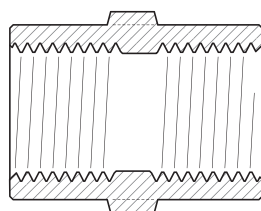
### Degree of protection

The cable glands degree of protection is **IP66** or **IP66/68**, 30-meters depth for 7 days according to the IEC EN 60529 standard; the degree of protection IP 68 is obtained by using flat sealing rings on cable glands with cylindrical threads. Without gaskets, the degree of protection is IP 66. If the cable glands with cylindrical or tapered threads are screwed on the threaded hole of an apparatus, in order to guarantee an IP66 or IP66/68 degree of protection, threaded parts must be sealed with Loctite or similar. In order to maintain the IPX8 degree of protection, the cable entry shall be fitted on enclosure witch satisfies an immersion test under 30 meters of water during 7 days. Metric cable glands are made in accordance to EN 62444 Standard.

## EXAMPLE CODE

M.	I20.	N25.	ON
Coupling Type	Female Thread code	Female Thread code	Material code
	See tab. page 19	See tab. page 19	•
<b>OT</b>	Brass		
<b>ON</b>	Nickel-plated brass		
<b>S6</b>	AISI316L Stainless steel		
<b>AL</b>	Aluminium		

## TECHNICAL DRAWING



## AVAILABLE COMBINATIONS

See table "A" Adaptors - page 124



