N Nipples - Adaptors male - male

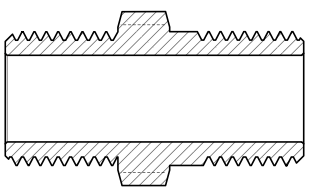
FLAMEPROOF EX D • INCREASED SAFETY EX E • FOR INDOOR & OUTDOOR APPLICATIONS

EXAMPLE CODE

N.	I20.	N25.	ON
Nipple Type	Male Thread code	Male Thread code	Material code
	See tab. page 19	See tab. page 19	

OT	Brass
ON	Nickel-plated brass
S6	AISI316L Stainless steel
AL	Aluminium

TECHNICAL DRAWING



Nipple Male-Male adaptors (code: **N**)
The adaptors are also available in version male-male, suitable to transform the cable entries from female to male. Can also be used to connect different types or dimensions of thread. The exagonal adaptors fit spanners up to 55 mm while the cylindrical ones fit larger sizes.

Main regulatory requirements:
The user has to use only one adaptor for the assembly of a cable entry. The user mustn't 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 INERIS 12 ATEX 0089X
IEC Ex: IEC Ex INE 10.0014X
EAC: RU C-IT.АЯ 45.B.00909

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.

AVAILABLE COMBINATIONS

See table "A" Adaptors - page 116

• To get dimensions refer our technical department

Table of protection modes of adaptors, nipples and couplings

BRASS - NICKEL PLATED BRASS - AISI 316L

Ex db + Ex eb + Ex nR
Ex eb + Ex nR

FEMALE	ISO 262										ISO 228										DIN 40430										NPT										EN 10226									
MALE	M12x1,5	M16x1,5	M20x1,5	M25x1,5	M32x1,5	M40x1,5	M50x1,5	M63x1,5	M75x1,5	M90x2	G1/8"	G1/4"	G3/8"	G1/2"	G3/4"	G1"	G1"1/4	G1"1/2	G2"	G2"1/2	G3"	Pg7	Pg9	Pg11	Pg13,5	Pg16	Pg21	Pg29	Pg36	Pg42	Pg48	1/8" NPT	1/4" NPT	3/8" NPT	1/2" NPT	3/4" NPT	1" NPT	1"1/4 NPT	1"1/2 NPT	2" NPT	2"1/2 NPT	3" NPT	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
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ISO 228 G3/8"																																																	
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ISO 228 G3"																																																	
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DIN 40430 Pg9																																																	
DIN 40430 Pg11																																																	
DIN 40430 Pg13,5																																																	
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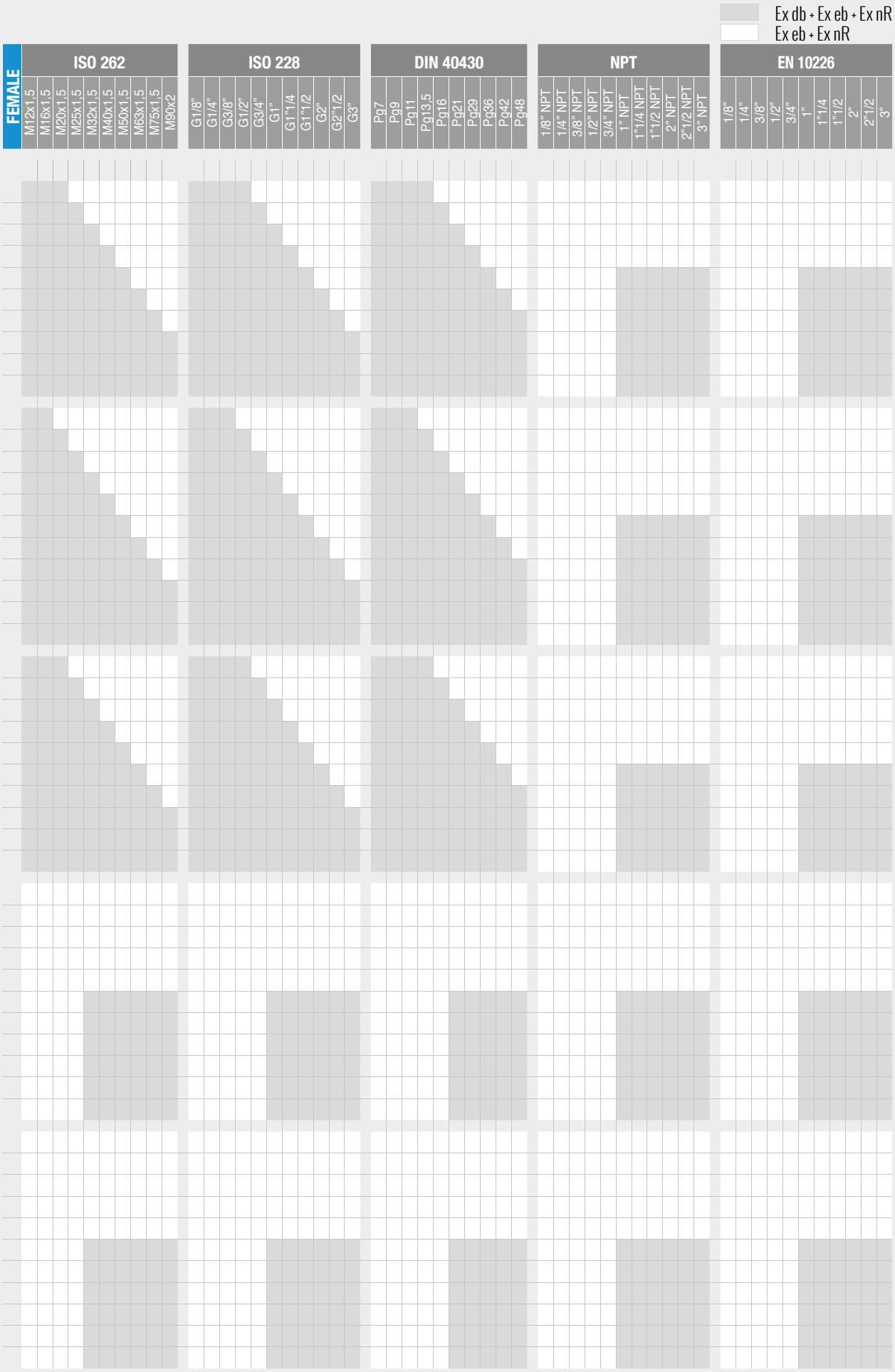
ALUMINIUM