

DATA SHEET:

90° Elbows

Type 'N' & Type 'fN' 90° Elbows are used to allow a cable gland or conduit entry where spacing or orientation makes a typical installation difficult maintaining the hazardous location certification and the overall integrity of the installation.



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Type 'N'
Male x Female

Type 'fN'
Female x Female



Approvals & Specifications

ATEX/IECEX **Exd IIC Gb & Exe IIC Gb & Ex tb IIIC Db IP6X**
IEC/EN 60079-0, IEC/EN 60079-1, IEC/EN 60079-7,
IEC/EN 60079-31, ATEX/2014/34/EU

NEC/CEC **Class I, Division 1 Groups ABCD**
Class II, Groups EFG, Class III
UL1203, UL514B, UL50
C22.2 Nos. 30, 0.5, 0-M, 45, 18.3-04, 94-M91

AExd IIC / AExe II Class I, Zone 1

Thread Gauging **Metric: 1.5mm Pitch- Medium Fit 6g/H**
NPT: Male L1 +/-1 Turn
Female L1+ 1/2 to + 2 Turns
Other Thread Forms Available on Application

Material Options **Nickel Plated Brass 'N' (-100 to +150°C)**
316 Stainless Steel 'S' (-100 to +850°C)

'O' Ring Options **Nitrile (-30 to +90°C)**
Silicone (-50 to +230°C)
Nitrile 'O' ring supplied as standard on versions with parallel male threads

Ingress Protection **With 'O' Ring or Thread Sealant, (Non-Hardening)**
IP 66 68, NEMA 4X 316SS & Nickel Plated Brass.
Without 'O' Ring or Thread Sealant IP54

Impact Resistance **7Nm**

Clearance Holes **HLS 90° Elbows are certified for Exe clearance hole applications, Type 'L1' locknuts are required to secure the installation**

Part Number Structure

Example - N.20.1/2.N.NT

Important Note—Always state the Male Thread first

- 90° Elbows
- M20 Male Thread
- 1/2" NPT Female Thread
- Nickel Plated Brass
- Nitrile 'O' Ring

Product

N 90° Elbows
fN Female x Female 90° Elbows

Thread Designation

Metric	NPT	NPS	ISO	ISO	ET	PG
20	1/2	1/2S	1/2P	1/2T	3/4E	13
25	3/4	3/4S	3/4P	3/4T	1E	16P
32	1	1S	1P	1T	1 1/4E	21

Material

'O' Ring

N	Nickel Plated Brass	NT	Nitrile (Std.)
S	316 Stainless Steel	SC	Silicone