

Technical Specification



Certifications and Compliances

Code of Protection Categories

ATEX: I M2, Ex d IMb, Ex e I Mb, or II G, Ex d IIC Gb, Ex e IIC Gb, Ex tb IIIC Db
IECEX: Ex d I/IIC, Ex e I/IIC, Ex tb IIIC Db,
CSA: Ex d IIC Class 1, Zone 1, AEx d IIC (Brass and Stainless only)
GOST: ExdeI/ICU, ExdeIIICU, ExeIIU
INMETRO: Ex de I/IIC Mb/Gb, Ex tb IIIC Db IP66/67
NEPSI: Ex d II C Gb, Ex e II C Gb, DIP A21 Ta IP6X

Nylon Adaptors only:

ATEX: II 2 GD, Ex e IIC Gb, Ex tb IIIC Db
IECEX: Ex e IIC Gb, Ex tb IIIC Db
GOST: ExeIIU
INMETRO: Ex e IIC Gb, Ex tb IIIC Db IP66/67

Compliance Standards

ATEX / GOST: EN 60079-0:2009, EN 60079-1: 2007, EN 60079-7: 2007, EN 60079-31:2008
INMETRO: ABNT NBR IEC 60079-0:2008, ABNT NBR IEC 60079-1:2009, ABNT NBR IEC 60079-7:2008, ABNT NBR IEC 60079-31:2011
IECEX: IEC 60079-0:2004, IEC 60079-1:2003, IEC 60079-7:2006-07
CSA: CAN/CSA-E79-0-95, CAN/CSA-E79-1-95, UL 2279 1997, IEC 60079-0:1998, IEC 60079-1:1998 (Brass and Stainless only)
NEPSI: GB 3836.1-2010, GB 3836.2-2010, GB 3836.3-2010, GB 12476.1-2000

Nylon Adaptors only:
ATEX / GOST: EN 60079-0:2009, EN 60079-7: 2007, EN 60079-31:2009
INMETRO: ABNT NBR IEC 60079-0:2008, ABNT NBR IEC 60079-1:2009, ABNT NBR IEC 60079-7:2008, ABNT NBR IEC 60079-31:2011
IECEX: IEC 60079-0:2007, IEC 60079-7:2006, IEC 60079-31:2008

Certificate Details

ATEX: Sira 10ATEX1225X, Sira 10ATEX3335U
IECEX: IECEX SIR 07.0010X, IECEX SIR 12.0014X
CSA: CSA 200455-1003277 (Brass and Stainless only)
GOST: TC RUC-G B.ГБ06.B.00105
INMETRO: NCC 12.0764X
NEPSI: GYJ13.1313X

TEMPERATURE

The item is classified as a component and therefore metallic products are not given an operating temperature range.
 Nylon temperature range -20°C to 65°C, 'O' ring -30°C to 125°C.
 GF Nylon is UL rated @ H.B. @ 1.5mm.

Ingress Protection (IP):

Independently tested to IP66 / IP68 when fitted in accordance to manufacturer's instructions.

Product Codes

DIGIT 1+2	Code	DIGIT 3	Code	DIGIT 4 & 5 Male				DIGIT 6 & 7 Female		DIGIT 8		DIGIT 9		DIGIT 10	
Description (Adaptors)		Material		Thread Reference				Approval		Special		Plating			
M-F HEX	AB	BRASS	A	M16	11	½" NPT	42	ATEX/IECEX/ INMETRO Ex de	Y	None (standard)	X or blank	None	Blank		
M-F ROUND	AJ	ALUMINIUM	B	M20	12	¾" NPT	43			Customer Special	S	Nickel	N		
		MILD STEEL	C	M25	13	1" NPT	44			For other approvals please see product coding list on page 64				Zinc	Z
		STAINLESS STEEL	E	M32	14	1¼" NPT	45					Chromatised	C		
		GLASS FILLED NYLON	M	M40	15	1½" NPT	46					Special	S		
				M50	16	2" NPT	47								
				M63	17	2½" NPT	48								
				M75	18	3" NPT	49								
				M90	81	3½" NPT	86								
				M100	82	4" NPT	87					Industrial	X or Blank		

Other sizes / threads are available on request



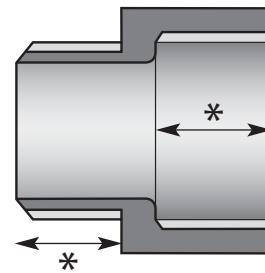
Type AB Hex

Type AJ Round

Product Dimensions

Thread	Metallic Male Thread Max Bore	Nylon Male Thread Max Bore	Metallic Thread A/F (mm)	Nylon Head Dia. (mm)
M16	11.0	8.0	20.8	24.0
M20	14.3	12.5	23.4	27.5
M25	20.5	17.5	27.9	35.5
M32	26.8	24.5	37.6	41.0
M40	33.5	32.5	47.2	50.0
M50	44.0	42.5	56.4	60.0
M63	55.2	53.0	70.1	75.0
M75	66.7	64.0	80.0	85.0
M90	80.0	76.0	105.0	100.0

Adaptors are available for up to two step sizing. e.g. M20 Male x M32 Female



* Minimum 8 full threads parallel 5 full threads taper.

PRODUCT CODING EXAMPLE	Adaptors	Brass	1" NPT(M)	M32(F)	Ex de	PART NUMBER
	AB	A	44	14	Y	= ABA4414Y