

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: Exdel/IICU, ExdelICU, 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 Reducers 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, EN60079-7: 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, IEC60079-0:1998, IEC 60079-1:1998
NEPSI: GB 3836.1-2010, GB 3836.2-2010, GB 3836.3-2010, GB 12476.1-2000

Nylon Reducers only:

ATEX / GOST: EN 60079-0:2009, EN 60079-7: 2007, EN60079-31:2009
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: GYJ13.1314X

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	Thread Reference	Approval	Special	Plating					
M-F HEX	BB	BRASS	A	M16	11	½" NPT	42	ATEX/IECEX/ INMETRO Ex de	Y	None (standard)	X or blank	None	Blank
M-F ROUND	BJ	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

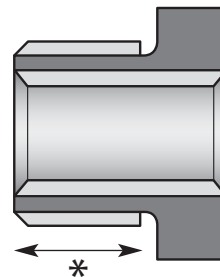


Type BB Hex

Type BJ Round

Product Dimensions

Thread	Metallic Male Thread Max Bore	Nylon Male Thread Max Bore		
M16	20.8	22.0		
M20	23.4	25.0		
M25	27.9	30.0		
M32	37.6	38.0		
M40	47.2	46.0		
M50	56.4	56.0		
M63	70.1	70.0		
M75	80.0	81.0		
M90	105.0	96.0		



* Minimum length of thread 10mm

PRODUCT CODING EXAMPLE	Reducer	Stainless Steel	M32	M25	Ex de	PART NUMBER
	BB	E	14	13	Y	= BBE1413Y