

Technical Specification



Unions are designed to provide a running joint whilst eliminating exposed threads and are particularly suitable for use where a coupler would be impractical.

Unions are available in a variety of threadforms and can be supplied with male to female or female to female thread entries. The female connection thread of the union shall step not more than one size up from the male connection thread, or equal to one size up in the case of a thread gender change: e.g. M20(M) to M25(F) or M20(M) to 3/4" NPT(F).

Certifications and Compliances

Code of Protection Categories

ATEX: I M2, Ex d IMb, Ex e I Mb or II GD, Ex d IIC Gb, Ex e IIC Gb, Ex tb IIIC Db

IECEX: Ex d I/IIC Mb/Gb, Ex e I/IIC Mb/Gb, Ex tb, IIIC Db

GOST: ExdIICU

INMETRO: BR-Ex d IIC Gb

Compliance Standards

ATEX / INMETRO / GOST: EN 60079-0:2009, EN60079-1:2007, EN 60079-7:2007, EN 60079-31:2008

IECEX: IEC 60079-0:2007-10, IEC 60079-1:2007-04,

IEC 60079-7:2006-07, IEC 61241-1:2004

Certificate Details

ATEX: Sira 10ATEX1227U

IECEX: IECEX SIR 09.0085U

GOST: POCC GB. 06.B01060

INMETRO: NCC 12.0764X

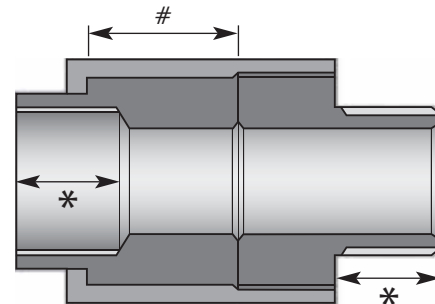
TEMPERATURE

The item is classified as a component and therefore metallic products are not given an operating temperature range.



Product Dimensions

Thread	Protrusion (mm)	Bore (mm)	Dia (mm)
M16	45.0	11.0	30.0
M20	45.0	14.3	42.0
M25	45.0	20.5	47.0
M32	45.0	26.8	54.0
M40	45.0	33.5	62.0
M50	45.0	44.0	77.0
M63	45.0	55.2	87.0
M75	45.0	66.7	102.0



* Minimum 8 full threads parallel 5 full threads taper.

#Flamepath in accordance with appropriate standards.

Product Codes

DIGIT 1+2 Description (Unions)	Code	DIGIT 3 Material	Code	DIGIT 4 & 5 Male Thread Reference	DIGIT 6 & 7 Female Thread Reference	DIGIT 8 Approval	DIGIT 9 Special	DIGIT 10 Plating				
UNION M-F	FB	BRASS	A	M16	11 ½" NPT	42	ATEX Ex de	A	None (standard)	X or blank	None	Blank
UNION F-F	FL	ALUMINIUM	B	M20	12 ¾" NPT	43	IECEX Ex de	R	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
				M40	15 1½" NPT	46					Special	S
				M50	16 2" NPT	47						
				M63	17 2½" NPT	48						
				M75	18 3" NPT	49	Industrial	X or Blank				

Other sizes / threads are available on request

PRODUCT CODING EXAMPLE	Union	Brass	M32(M)	M32(F)	Ex de	PART NUMBER
	FB	A	14	14	A	= FBA1414A