

Right angle M-F, M-M & F-F adaptors - FG, FK & FN

Technical Specification

Right Angle Adaptors provide a means of connection where protrusion space is limited, whilst simultaneously if necessary, converting the entry thread to that of a different type or reducing size and/or gender of the female thread.

Right Angle Adaptors are available in male to female (type FG), male to male (type FK) and female to female (type FN) versions.

Raxton adaptors are marked with the applicable approval number and size.



Type FG (M - F)

Certifications and compliances



Code of protection categories

ATEX: I M2, II 2 GD
IECEX: Ex db I/IIC Mb/Gb, Ex e I/IIC Mb/Gb, Ex tb IIIC Db
(Aluminium not mining)

Compliance standards

ATEX: EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31
IECEX: IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31

Certificate details

ATEX: ITS16ATEX101337U
IECEX: IECEx ITS 16.0010U
INMETRO: NCC 18.0133 X
EAC: RU C-GB.MHO62.B.00445-19

Temperature

Ex e, Ex tb Temperature range: -60°C to + 200°C
For more information, please contact us.

Ingress protection (IP):

IP64 when fitted without sealing washer. IP66/IP68 when fitted with washer or thread sealant according to manufacturer's instructions.

Product dimensions – option A

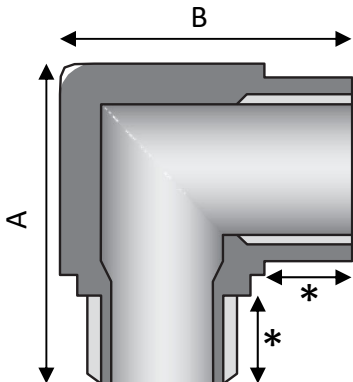
Thread	Height A (mm)	Width B (mm)	Male Bore Size (mm)	Female Bore Size (mm)
M16	45.0	40.0	9.0	14.0
M20	51.0	45.0	15.0	18.0
M25	57.0	50.0	20.8	23.0
M32	66.0	57.0	26.8	30.0
M40	75.0	65.0	33.5	38.0
M50	86.0	75.0	48.0	44.0
M63	101.5	90.0	61.0	55.0
M75	119.0	105.0	73.0	66.5

Other sizes / threads are available upon request.

Product dimensions – option B

Thread	Height A (mm)	Width B (mm)	Male Bore Size (mm)	Female Bore Size (mm)
M20	56.0	46.0	12.0	14.0
M25	62.0	51.0	17.0	18.0

* Option B available in brass only.



*Minimum 8 full threads parallel, 5 full threads taper. (Exd)

Right angle M-F, M-M & F-F adaptors - Product coding

DIGIT 1+2		CODE
Product	Description	
RIGHT ANGLE ADAPTORS	M-F	FG
	M-M	FK
	F-F	FN

DIGIT 3	CODE
MATERIAL	
BRASS	A
ALUMINUM	B
MILD STEEL	C
STAINLESS STEEL	E

DIGIT 4+5 (Male thread)		DIGIT 6+7 (Female thread)	
THREAD REFERENCE TABLE			
ISOMETRIC		NPT	
SIZE	CODE	SIZE	CODE
M16	11	½"	42
M20	12	¾"	43
M25	13	1"	44
M32	14	1¼"	45
M40	15	1½"	46
M50	16	2"	47
M63	17	2½"	48
M75	18	3"	49
M90	81	3½"	86
M100	82	4"	87

DIGIT 8 (APPROVAL)	CODE
Exd/Exe	Y
None	X or Blank

DIGIT 9 (SPECIAL)	CODE
Customer Special	S
None	X or Blank

DIGIT 10 (PLATING)	CODE
None	Blank
Nickel	N
Zinc	Z
Chromated	C
Special	S

NOTE: Male thread is always quoted First (Digit 4+5) followed by the Female thread (Digit 6+7)
Other sizes / threads are available, please consult the sales department
Digit 8: Approval
Digit 9: S = Customer Special request Otherwise use X or Blank
Digit 10 (Plating) is Blank if no plating is required

EXAMPLES							
Product	Material	Male thread	Female thread	Approval	Special	Plating	
Adaptor M-F	Brass	M20 (M)	M20 (F)	Exd/Exe	None	None	Part Number
FG	A	12	12	Y	Blank	Blank	FGA1212Y