

## Technical specification



Raxton Exd/Exe adaptors provide a means of connection between dissimilar thread forms or sizes. Metallic adaptors have a hexagonal body; if space is a critical factor, round adaptors can be offered with an equivalent diameter of the standard hexagonal item.

Nylon adaptors are Exe only and are produced with a round body. Exe adaptors are supplied fitted with an undercut and EPDM O-ring to maintain the IP integrity of the installation, other O-ring materials are available.

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

### Metallic adaptors - 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 I, Zone I, AEx d IIC (brass and stainless only)  
**GOST:** Exdel/IICU, Exdel/IICU, 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

#### Compliance standards

**ATEX / GOST:** EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31  
**INMETRO:** ABNT NBR IEC 60079-0, ABNT NBR IEC 60079-1, ABNT NBR IEC 60079-7, ABNT NBR IEC 60079-31  
**IECEX:** IEC 60079-0, IEC 60079-1, IEC 60079-7  
**CSA:** CAN/CSA-E79-0, CAN/CSA-E79-1, IEC 60079-0, IEC 60079-1 (brass and stainless only)  
**NEPSI:** GB 3836.1, GB 3836.2, GB 3836.3, GB 12476.1

#### Certificate details

**ATEX:** Sira 10ATEX1225X, ITS16ATEX101336X  
**IECEX:** IECEX SIR 070010X, IECEX SIR 12.0014X, IECEX ITS16.0011X  
**CSA:** CSA 200455-1003277 (brass and stainless only)  
**GOST:** TC RUC-G B.ГБ06.B.00105  
**INMETRO:** NCC 12.0764X  
**NEPSI:** GYJ13.1313X

### Nylon adaptors - certifications and compliances

#### Code of protection categories

**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  
**NB:** M16 has ATEX approval only

#### Compliance standards

**ATEX / GOST:** EN 60079-0, EN 60079-7, EN 60079-31  
**INMETRO:** ABNT NBR IEC 60079-0, ABNT NBR IEC 60079-7, ABNT NBR IEC 60079-31  
**IECEX:** IEC 60079-0, IEC 60079-7, IEC 60079-31

#### Certificate details

**ATEX:** Sira 10ATEX1225X, ITS16ATEX101336X  
 Sira 00ATEX1073U (M16 nylon only)  
**IECEX:** IECEX SIR 07.0010X, IECEX SIR 12.0014X, IECEX ITS16.0011X  
**GOST:** TC RUC-G B.ГБ06.B.00105  
**INMETRO:** NCC 12.0764X

### Temperature

The item is classified as a component; metallic products are not given an operating temperature range. Nylon temperature range: -20°C to +65°C. GF nylon is UL rated @ V.O. @ 3.0mm.

### Ingress protection (IP):

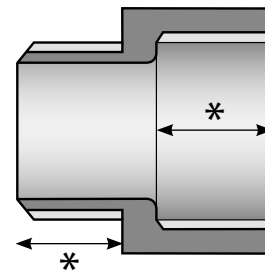
Independently tested to IP66 / IP68 when fitted in accordance to manufacturer's instructions.



### Product dimensions

Thread	Type AB metallic male thread max. bore (mm)	Type AJ nylon male thread max. bore (mm)	Type AB metallic thread A/F (mm)	Type AJ nylon head diameter (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 x 2.0	80.0	76.0	105.0	100.0

Metallic adaptors are available for up to two step sizing, e.g. M20 male x M32 female  
 Other sizes / threads are available upon request.



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

PRODUCT CODING EXAMPLE	Adaptor	Brass	1" NPT (M)	M32 (F)	Exd / Exe	PART NUMBER
	AB	A	44	14	Y	= ABA4414Y

For full product coding details, consult page 29.