

Technical specification



Raxton Exd/Exe reducers effectively reduce the threaded entry diameter of an enclosure to accept a gland or fitting with a smaller thread. Reducers may also be supplied to accept smaller glands of alternative threads.

Metallic reducers are supplied with a hexagonal head as standard. If space is a critical factor, round reducers can be offered with an equivalent diameter.

Nylon reducers are Exe only and designed with a circular head. Exe reducers are supplied with an undercut and EPDM O-ring to maintain the IP integrity of the installation.

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

Metallic reducers - 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 1, AEx d IIC (brass and stainless only)
GOST:	Exdel/IICU, ExdelIICU, 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, EN60079-7, 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, IEC60079-0, IEC 60079-1
NEPSI:	GB 3836.1, GB 3836.2, GB 3836.3, GB 12476.1

Certificate details

ATEX:	Sira 10ATEX1225X, ITS16ATEX101336X
IECEX:	IECEX SIR 07.0010X, 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:	GYJ13.1314X

Nylon reducers - 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, EN60079-31
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 and therefore 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.



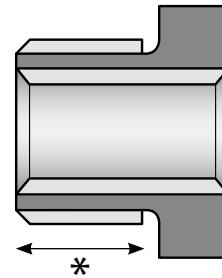
Type BB Hex

Type BJ Round

Product dimensions

Thread	Type BB metallic male thread max. bore (mm)	Type BJ nylon male thread max. bore (mm)
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 x 2.0	105.0	96.0

Other sizes / threads are available upon request.



* Minimum 6 full threads parallel, 5 full threads taper (Exd)

PRODUCT CODING EXAMPLE	Reducer	Stainless steel	M32 (M)	M25 (F)	Exd / Exe	PART NUMBER
	BB	E	14	13	Y	= BBE1413Y

For full product coding details, consult page 29.