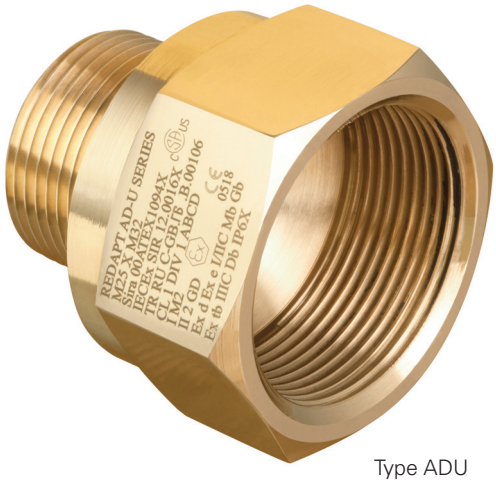
Metallic (Exde) adaptors and reducers - ADU / RDU Series



Type ADU

Features

- International Ex approvals
- IP66, IP68, CSA Enclosure Type (NEMA) 4X, 6P
- Various threadforms/materials available

Benefits

- Used to change size/threadform of connection device
- Maintains Ex certification while matching threadforms

Materials

- Brass CZ121
- 316 stainless steel
- Aluminium
- Mild steel

Threadforms

- Metric
- NPT
- PG
- ISO Pipe (BSP)
- ET

Plating options

- Electroless nickel
- Zinc
- Others on application

Technical specification

Code of protection categories
ATEX: I M2, II 2 GD Ex d I/IIC Mb Gb, Ex e I/IIC Mb Gb, Ex tb IIIC Db, IP6X
IECEx: Ex d I/IIC, Mb/Gb, Ex e I/IIC, Mb/Gb, Ex tb IIIC Db, IP6X
CSA: Ex de IIC IP66/67/68; Class I, Divisions 1 and 2; Groups A, B, C, D; Class II, Groups E, F, G; Class III; Enclosure Type 4X/6P
GOST: ExdeIU, ExdeIICU, IP66/67/68
Compliance standards
ATEX: EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-3
IECEx: IEC 60079-0, IEC 60079-1, IEC 60079-31, IEC 60079-7
CSA: C22.2 No .30-M1986 (R2012), CAN/CSA 60079-0-11, CAN/CSA 60079-1-11, CAN/CSA 60079-7-12, CAN/CSA 60079-31:12, UL1203-5th Edition
Certificate details
ATEX: Sira 00ATEX1094X
IECEx: IECEx SIR 12.0016X
CSA: 1248014 (LR 106084)
GOST: TR RU C-GB.GB06.B.00106
Temperature
Temperature will depend on the type of o-ring used
None: -50°C to +180°C
Nitrile: -20°C to +80°C (supplied as standard)
EPDM: -30°C to +125°C
Neoprene: -20°C to +100°C
Viton: -5°C to +180°C
Silicone: -30°C to +180°C
Fluorosilicone: -50°C to +150°C
The maximum temperature is limited to +150°C for Group I applications
Ingress protection (IP):
Independently tested to IP66 / IP68 when fitted in accordance to manufacturer's instructions
Part number:
Please refer to page 10 for part numbering system

Available thread sizes and corresponding bore size

Metric	Bore	NPT	Bore	ISO Pipe	Bore	ET	Bore	PG	Bore
M16	10.00	-	-	⅜"	10.00	⅝"	10.00	PG7	8.00
M20	14.00	½"	15.00	½"	15.00	¾"	14.00	PG9	10.00
M25	18.00	¾"	19.00	¾"	19.00	1"	18.00	PG11	13.50
M32	24.00	1"	25.00	1"	25.00	1¼"	24.00	PG13.5	14.00
M40	32.00	1¼"	32.00	1¼"	32.00	1½"	32.00	PG16	16.00
M50	41.00	1½"	38.00	1½"	38.00	2"	41.00	PG21	21.00
M63	53.00	2"	49.00	2"	49.00	2½"	53.00	PG29	29.00
M75	64.00	2½"	60.00	2½"	60.00	3"	64.00	PG36	38.00
M80 x 2.0	69.00	3"	75.00	3"	75.00	-	-	PG42	45.00
M85 x 2.0	73.00	3½"	88.00	3½"	88.00	-	-	PG48	50.00
M90 x 2.0	78.00	4"	100.00	4"	100.00				
M100 x 2.0	88.00								
M110 x 2.0	98.00								
M120 x 2.0	108.00								