

# 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

## Available thread sizes and corresponding bore size

Metric	Bore	NPT	Bore	ISO Pipe	Bore	ET	Bore	PG	Bore
M16	10.00	-	-	3/8"	10.00	5/8"	10.00	PG7	8.00
M20	14.00	1/2"	15.00	1/2"	15.00	3/4"	14.00	PG9	10.00
M25	18.00	3/4"	19.00	3/4"	19.00	1"	18.00	PG11	13.50
M32	24.00	1"	25.00	1"	25.00	1 1/4"	24.00	PG13.5	14.00
M40	32.00	1 1/4"	32.00	1 1/4"	32.00	1 1/2"	32.00	PG16	16.00
M50	41.00	1 1/2"	38.00	1 1/2"	38.00	2"	41.00	PG21	21.00
M63	53.00	2"	49.00	2"	49.00	2 1/2"	53.00	PG29	29.00
M75	64.00	2 1/2"	60.00	2 1/2"	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	3 1/2"	88.00	3 1/2"	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								

## 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, ExdeIIICU, 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