

Redapt ADU and RDU metallic (Exde) adapters and reducers

Cl. I, Div. 1 & 2, Groups A, B, C, D
Cl. II, Groups E, F, G
Cl. III
IECEX/ATEX
NEMA 4X, 6P; IP66/IP67/IP68

4F

Features:

- Used to change size/threadform of connection device
- Maintains Ex certification while matching threadforms
- International Ex approvals
- IP66, IP68, CSA enclosure type (NEMA) 4X, 6P
- Various threadforms/materials available

Certifications and compliances:

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
- EAC: ExdeIU, ExdeICU, IP66/67/68
- CSA: Ex de IIC IP66/67/68; Class I, Divisions 1 & 2, Groups A, B, C, D; Class II, Groups E, F, G; Class III; enclosure type 4X/6P

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
- 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: ITS16 ATEX101340U
- IECEX: IECEX ITS 16.0015U
- EAC: TR RU C-GB.GB06.B.00106
- CSA: 1248014 (LR106084)
- CCoE: P362565/1

Standard materials:

- Brass CZ121
- 316 stainless steel
- Aluminum
- Mild steel

Plating options:

- Electroless nickel
- Zinc
- Others on application

Dimensions (in inches):

Metric	Bore	NPT	Bore	ISO pipe	Bore	ET	Bore	PG	Bore
M16	0.39	—	—	3/8"	0.39	5/8"	0.39	PG7	0.31
M20	0.55	1/2"	0.59	1/2"	0.59	3/4"	0.55	PG9	0.39
M25	0.71	3/4"	0.75	3/4"	0.75	1"	0.71	PG11	0.53
M32	0.94	1"	0.98	1"	0.98	1 1/4"	0.94	PG13.5	0.55
M40	1.26	1 1/2"	1.26	1 1/2"	1.26	1 1/2"	1.26	PG16	0.63
M50	1.61	1 1/2"	1.50	1 1/2"	1.50	2"	1.61	PG21	0.83
M63	2.09	2"	1.93	2"	1.93	2 1/2"	2.09	PG29	1.14
M75	2.52	2 1/2"	2.36	2 1/2"	2.36	3"	2.52	PG36	1.50
M80 x 2.0	2.72	3"	2.95	3"	2.95	—	—	PG42	1.77
M85 x 2.0	2.87	3 1/2"	3.46	3 1/2"	3.46	—	—	PG48	1.97
M90 x 2.0	3.07	4"	3.94	4"	3.94	—	—	—	—

Sizes M12 to M120 available.



ADU



RDU

Temperature ratings:

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

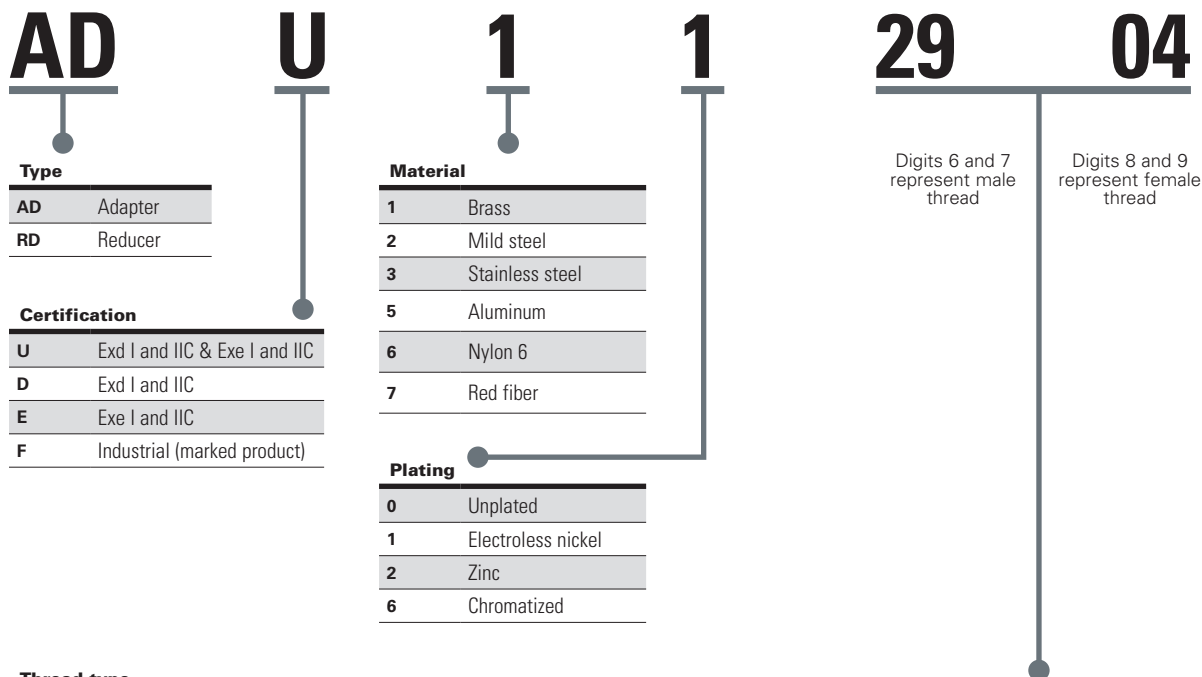
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Ordering information:

Part number example
ADU112904



Thread type													
Metric	Thread	ET	Thread	NPT	Thread	NPSM	Thread	ISO pipe parallel	Thread	PG	Thread	ISO pipe parallel	Thread
03	M16	17	5/8" ET	29	1/2" NPT	42	1/2" NPSM	55	1/2" BSPP	79	PG7	68	1/2" BSPT
04	M20	18	3/4" ET	30	3/4" NPT	43	3/4" NPSM	56	3/4" BSPP	80	PG9	69	3/4" BSPT
05	M25	19	1" ET	31	1" NPT	44	1" NPSM	57	1" BSPP	81	PG11	70	1" BSPT
06	M32	20	1 1/4" ET	32	1 1/4" NPT	45	1 1/4" NPSM	58	1 1/4" BSPP	82	PG13.5	71	1 1/4" BSPT
07	M40	21	1 1/2" ET	33	1 1/2" NPT	46	1 1/2" NPSM	59	1 1/2" BSPP	83	PG16	72	1 1/2" BSPT
08	M50	22	2" ET	34	2" NPT	47	2" NPSM	60	2" BSPP	84	PG21	73	2" BSPT
09	M63	23	2 1/2" ET	35	2 1/2" NPT	48	2 1/2" NPSM	61	2 1/2" BSPP	85	PG29	74	2 1/2" BSPT
10	M75	24	3" ET	36	3" NPT	49	3" NPSM	62	3" BSPP	86	PG36	75	3" BSPT
11	M80 x 2.0	ET	Special	37	3 1/2" NPT	50	3 1/2" NPSM	63	3 1/2" BSPP	87	PG42	76	3 1/2" BSPT
12	M85 x 2.0			38	4" NPT	51	4" NPSM	64	4" BSPP	88	PG48	77	4" BSPT
13	M90 x 2.0			NT	Special	NS	Special	BP	Special	PG	Special	BT	Special
14	M100 x 2.0												
15	M110 x 2.0												
BZ	M120 x 2.0												
MT	Special												