



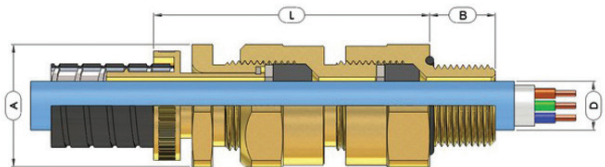
PRODUCT TYPE A*RDC

Double Compression Gland with Rotating Flexible Metallic Conduit Connector

Ex d : Ex e : Ex nR : Ex ta : IP66 : IP68

PART NUMBERS:

A	1	RDC	B	F
	2		S	
	3		A	
	4			



REFERENCE NUMBER: 2.3.1

OPTIONAL PART NUMBERING: A2RDCBF/NP/20-1/M20

A	Gland featuring controlled displacement sealing
2	Neoprene Seals (2) - Silicone Seals (3) - Neoprene/Lead (1) - Silicone/Lead (4)
R	Rotating Conduit Design
DC	Double Seal with Rotating Metallic Flexible Conduit Connector
B	Aluminium (A) / Brass (B) / Stainless Steel (S)
F	Multiple Certification
L	Locknut (material dictated by gland entry thread material)
N	Including IP Washer, Nylon (N) - Fibre (V) - PTFE (H)
T	Including Earth Tag
S	Including Serrated Washer
1	Quantity per kit
NP	Nickel Plated
20-1	Gland & Connector Size
M20	M20 x 1.5mm Male Entry Thread

OPTIONAL ACCESSORIES:

LOCKNUT	Brass (ACBLN) / St Steel (ACSLN) / Aluminium (ACALN)
EARTH TAG	Brass (ACBET) / Stainless Steel (ACSET) / Aluminium (ACAET)
IP WASHERS	Nylon (ACNSW) / Fibre (ACFSW) / PTFE (ACPSW)
SERRATED WASHERS	Stainless Steel (ACSSW)

IP RATING:	IP66 & IP68 (50 metres - 7 days)
OPERATING TEMP:	Neoprene Seals -35°C to +90°C / Silicone Seals -60°C to +180°C
MATERIALS:	Aluminium, Brass or Stainless Steel
PLATING:	Electroless Nickel

PRODUCT DESCRIPTION

"A*RDC" type glands are certified Flameproof Ex d, Increased Safety Ex e, Restricted Breathing Ex nR and Dust Protected Ex ta. They are suitable for use in Zone 1 and 2 for Gas Groups IIA, IIB and IIC and additionally for use in Zones 20, 21 and 22 for Dust Groups IIIA, IIIB and IIIC. They provide two controlled pull resistant environmental displacement seals on the cable outer sheath, minimising damage to cables that exhibit "cold flow" characteristics. The gland maintains IP66 & IP68 to 50 metres. It is supplied with an IP O-ring seal as standard on metric entry threads. The gland features a freely rotating flexible metallic conduit connection.

COMPLIANCE STANDARDS:

EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31 IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31 & IEC 60529

CERTIFICATION:

ATEX	II 1D 2G Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da II 3G Ex nR IIC Gc
IECEX	Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da
EAC	Exd IIICU / Exe IIU / ExnR IIU
INMETRO - Brazil	Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da / Ex nR IIC Gc
SAC - China	Ex d IIC / Ex e IIC
UKRAINE	Ex d IIC X / Ex e II X
CCoE	Petroleum Rules 2002 (PESO)
ABS	Specified ABS Rules
LLOYD'S	Enclosure Systems (Part 1B)
RMRS	Part XI of RS Rules for the classification & construction of sea-going ships (ed. 2014)

CERTIFICATION No:

ATEX	SIRA 01ATEX1272X & SIRA 09ATEX1221X
IECEX	IECEX SIR 07.0096X
EAC	RU C-GB.Г506.В.00098
INMETRO - Brazil	NCC 13.2012 X
SAC - China	NEPSI GYJ16.1399X
UKRAINE	UA.TR.047.C.0408-13 & 2937
CCoE - India	PESO P365300/2 & P365300/5
ABS	14-LD463991-1-PDA
LLOYD'S	10/00056(E1)
RMRS	14.02755.315

CABLE GLAND SELECTION TABLE (ALL DIMENSIONS IN mm)

Gland & Connector Size	Entry Thread Size		Metric Thread Length [B]	Cable Acceptance Details Outer Sheath [D]		Typical Conduit Diameter		Nominal Protrusion Length [L]	Dimensions/Weight (Metric Versions)			Metric Thread Shroud Size
	Metric	NPT		Min	Max	I/D	Max O/D		Across Flats [A]	Across Corners	Weight Kgs	
12-1	M12 x 1.5	3/8"	16	0.9	5.4	6.8	10.3	57	19.0	20.9	0.078	N/A
12-1	M16 x 1.5	3/8" or 1/2"	16	0.9	5.4	6.8	10.3	54	25.4	28.0	0.143	N/A
12-2	M12 x 1.5	3/8"	16	0.9	6.0	9.1	14.3	57	19.0	20.9	0.080	N/A
12-2	M16 x 1.5	3/8" or 1/2"	16	0.9	6.0	9.1	14.3	54	25.4	28.0	0.146	N/A
12-3	M16 x 1.5	3/8" or 1/2"	16	0.9	6.0	7.7	13.0	54	25.4	28.0	0.161	N/A
16-1	M16 x 1.5	3/8" or 1/2"	16	4.0	8.4	10.2	14.1	64	25.4	28.0	0.178	N/A
16-1	M20 x 1.5	3/8" or 1/2"	16	4.0	8.4	10.2	14.1	64	25.4	28.0	0.190	N/A
16-2	M16 x 1.5	3/8" or 1/2"	16	4.0	10.9	15.8	64	64	25.4	28.0	0.188	N/A
16-2	M20 x 1.5	3/8" or 1/2"	16	4.0	8.4	10.9	15.8	64	25.4	28.0	0.196	N/A
16-3	M16 x 1.5	3/8" or 1/2"	16	4.0	8.4	13.0	17.1	64	25.4	28.0	0.195	N/A
16-3	M20 x 1.5	3/8" or 1/2"	16	4.0	8.4	13.0	17.1	64	25.4	28.0	0.202	N/A
20S-1	M20 x 1.5	3/8" or 1/2"	16	7.2	11.0	13.0	17.1	75	25.4	28.0	0.199	N/A
20S-2	M20 x 1.5	3/8" or 1/2"	16	7.2	11.7	15.0	19.3	75	25.4	28.0	0.199	N/A
20S-3	M20 x 1.5	3/8" or 1/2"	16	7.2	11.7	13.6	20.7	75	25.4	28.0	0.232	N/A
20-1	M20 x 1.5	1/2" or 3/4"	16	9.4	14.0	16.9	22.3	75	30.0	33.0	0.254	N/A
20-2	M20 x 1.5	1/2" or 3/4"	16	9.4	14.0	18.0	23.8	75	30.0	33.0	0.254	N/A
20-3	M20 x 1.5	1/2" or 3/4"	16	9.4	14.0	18.7	24.8	75	30.0	33.0	0.266	N/A
20-4	M20 x 1.5	1/2" or 3/4"	16	9.4	14.0	20.7	28.3	75	30.0	33.0	0.287	N/A
20-5	M20 x 1.5	1/2" or 3/4"	16	9.4	13.0	13.9	19.3	76	30.0	33.0	0.301	N/A
25-1	M25 x 1.5	3/4" or 1"	16	13.5	20.0	23.7	31.3	76	37.6	41.4	0.380	N/A
25-2	M25 x 1.5	3/4" or 1"	16	13.5	19.0	21.1	26.8	76	37.6	41.4	0.355	N/A
25-3	M25 x 1.5	3/4" or 1"	16	13.5	19.0	24.3	31.3	76	37.6	41.4	0.357	N/A
25-4	M25 x 1.5	3/4" or 1"	16	13.5	20.0	22.3	28.3	74	37.6	41.4	0.357	N/A
32-1	M32 x 1.5	1" or 1 1/4"	16	19.5	26.0	28.1	33.3	77	46.0	50.6	0.502	N/A
32-2	M32 x 1.5	1" or 1 1/4"	16	19.5	26.3	30.4	38.2	77	46.0	50.6	0.527	N/A
32-3	M32 x 1.5	1" or 1 1/4"	16	19.5	26.3	30.4	40.2	77	46.0	50.6	0.549	N/A
40-1	M40 x 1.5	1 1/4" or 1 1/2"	16	23.0	32.2	36.4	46.2	83	55.0	60.5	0.811	N/A
40-2	M40 x 1.5	1 1/4" or 1 1/2"	16	23.0	32.2	36.4	44.2	83	55.0	60.5	0.790	N/A
40-3	M40 x 1.5	1 1/4" or 1 1/2"	16	23.0	32.2	37.7	44.7	83	55.0	60.5	0.777	N/A
50S-1	M50 x 1.5	1 1/2" or 2"	16	28.1	38.2	48.4	55.8	84	65.0	71.5	1.027	N/A
50-1	M50 x 1.5	2"	16	33.1	44.1	48.4	55.8	84	65.0	71.5	0.895	N/A
63S-1	M63 x 1.5	2" or 2 1/2"	19	39.2	50.1	57.5	64.8	84	80.0	88.0	1.565	N/A
63-1	M63 x 1.5	2 1/2"	19	46.7	53.6	57.5	64.8	84	80.0	88.0	1.400	N/A

NOTES

- The IP O-ring seal is only available on metric entry threads. IP washers can be supplied for tapered entry threads.
- Dimensions (A) & (B) may differ for glands with non metric entry threads. Please refer to our "Thread Reference Tables" for specific dimensions.
- Assembly instructions must be read prior to installation and adhered to in full.
- Peppers supplies cable glands with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 60079-1 and other equivalent standards. They usually incorporate a thread run out according to the available machining techniques and will not have a full form thread for the entire length. Peppers Cable Glands Limited will not be held responsible for

- clients' installations where this has not been taken into account.
- When selecting IP Washer material for use with glands, please be aware of the accessories temperature range to ensure they are suitable for the intended installation.
- Where approval in addition to ATEX and IECEx is required, this must be clearly requested at time of enquiry / order.
- It is the installer's responsibility to ensure that the conduit is secured correctly.
- If fit testing is required for specific conduit please contact Peppers sales team.