

PRODUCT TYPE A*RCC

Single Compression Gland featuring a Freely Rotating Flexible Metallic Conduit Connector

Ex db : Ex eb : Ex nR : Ex ta : IP66 : IP68

PART NUMBERS:

A	1	R	CC	B	F
	2			S	
	3			A	
	4				



PRODUCT DESCRIPTION

“A*RCC” type glands are certified Flameproof Ex db, Increased Safety Ex eb, 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. Commonly referred to as “stuffing glands”, they provide a controlled pull resistant environmental displacement seal 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 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

EXAMPLE PART NUMBERING:
A2RCCBF/NP/20-1/M20

A	Gland featuring controlled displacement sealing
2	Neoprene Seal (2) - Silicone Seal (3) - Neoprene/Lead (1) - Silicone/Lead (4)
R	Rotating Conduit Design
CC	Metallic Flexible Conduit Connector
B	Aluminium (A) / Brass (B) / Stainless Steel (S)
F	Multiple Certification
NP	Nickel Plated
20-1	Gland & Connector Size
M20	M20 x 1.5mm Male Entry Thread

OPTIONAL
ACCESSORIES:

LOCKNUT	Brass (ACBLN) / Stainless 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

CERTIFICATION:

ATEX	II 1D 2G Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da II 3 G Ex nR IIC Gc
IECEX	Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da
EAC	1Ex d IIC Gb X / 1Ex e IIC Gb X / 2Ex nR IIC Gc X / Ex ta IIIC Da X
INMETRO - Brazil	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
SAC - China	Ex d IIC Gb / Ex e IIC Gb
UKRAINE	II 2G Ex db IIC Gb / II 2G Ex eb IIC Gb / II 3G Ex nR IIC Gc / II 1D Ex ta IIIC Da
CCoE - India	Ex d IIC Gb (Zone 1) Ex e IIC Gb (Zone 2) Ex nR IIC Gc (Zone 2)
ABS	Specified ABS Rules
LLOYD'S	Ex d IIC Gb / Ex e IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
RMRS	Ex d IC / Ex d IIC / Ex e IC / Ex e IIC / Ex ta IIIC

CERTIFICATION NO:

ATEX	SIRA 01ATEX1272X & SIRA 09ATEX1221X
IECEX	IECEX SIR 07.0096X
EAC	RU C-GB.BH02.B.00693-18
INMETRO - Brazil	NCC 13.2012 X
SAC - China	NEPSI GYJ16.1399X
UKRAINE	CLJ 18.0325 X
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	NPT		Min	Max	I/D	Max O/D		Across Flats [A]	Across Corners	Weight (Kgs)
12-1	M12 x 1.5	1/4"	16	0.9	5.4	6.8	10.3	35	19.0	20.9	0.051
12-2	M12 x 1.5	1/4"	16	0.9	6.0	10.2	14.1	35	19.0	20.9	0.054
12-3	M12 x 1.5	1/4"	16	0.9	6.0	9.1	14.3	35	19.0	20.9	0.057
12-4	M12 x 1.5	1/4"	16	0.9	6.0	10.9	15.8	35	19.0	20.9	0.062
12-5	M12 x 1.5	1/4"	16	0.9	6.0	7.7	13.0	35	19.0	20.9	0.056
16-1	M16 x 1.5	3/8"	16	4.0	8.4	10.2	14.1	39	25.4	28.0	0.108
16-2	M16 x 1.5	3/8"	16	4.0	8.4	10.9	15.8	39	25.4	28.0	0.115
16-3	M16 x 1.5	3/8"	16	4.0	8.4	13.0	17.1	39	25.4	28.0	0.120
20S-1	M20 x 1.5	1/2" or 3/4"	16	7.2	11.0	13.0	17.1	45	25.4	28.0	0.122
20S-2	M20 x 1.5	1/2" or 3/4"	16	7.2	11.7	13.9	19.3	45	25.4	28.0	0.132
20S-3	M20 x 1.5	1/2" or 3/4"	16	7.2	11.7	14.6	20.7	45	25.4	28.0	0.124
20-1	M20 x 1.5	1/2" or 3/4"	16	9.4	14.0	16.9	22.3	45	30.0	33.0	0.155
20-2	M20 x 1.5	1/2" or 3/4"	16	9.4	14.0	16.9	23.8	45	30.0	33.0	0.164
20-3	M20 x 1.5	1/2" or 3/4"	16	9.4	14.0	18.7	24.8	45	30.0	33.0	0.178
20-4	M20 x 1.5	1/2" or 3/4"	16	9.4	14.0	20.7	28.3	45	30.0	33.0	0.197
20-5	M20 x 1.5	1/2" or 3/4"	16	9.4	13.0	13.9	19.3	45	30.0	33.0	0.160
25-1	M25 x 1.5	3/4" or 1"	16	13.5	20.0	23.7	31.3	46	37.6	41.4	0.250
25-2	M25 x 1.5	3/4" or 1"	16	13.5	19.0	21.1	26.8	46	37.6	41.4	0.225
25-3	M25 x 1.5	3/4" or 1"	16	13.5	19.0	25.0	31.3	46	37.6	41.4	0.260
25-4	M25 x 1.5	3/4" or 1"	16	13.5	20.0	20.7	28.3	46	37.6	41.4	0.215
32-1	M32 x 1.5	1" or 1 1/4"	16	19.5	26.0	28.1	33.3	47	46.0	50.6	0.306
32-2	M32 x 1.5	1" or 1 1/4"	16	19.5	26.3	30.4	40.8	47	46.0	50.6	0.353
32-3	M32 x 1.5	1" or 1 1/4"	16	19.5	26.3	30.4	38.8	47	46.0	50.6	0.374
40-1	M40 x 1.5	1 1/4" or 1 1/2"	16	23.0	32.2	36.4	46.8	50	55.0	60.5	0.529
40-2	M40 x 1.5	1 1/4" or 1 1/2"	16	23.0	32.2	36.4	44.8	50	55.0	60.5	0.505
40-3	M40 x 1.5	1 1/4" or 1 1/2"	16	23.0	32.2	37.6	45.3	50	55.0	60.5	0.491
50S-1	M50 x 1.5	1 1/2" or 2"	16	28.1	38.2	48.4	55.8	50	65.0	71.5	0.613
50-1	M50 x 1.5	2"	16	33.1	44.1	48.4	55.8	50	65.0	71.5	0.600
63S-1	M63 x 1.5	2" or 2 1/2"	19	39.2	50.1	57.5	64.8	50	80.0	88.0	0.933
63-1	M63 x 1.5	2 1/2"	19	46.7	53.6	57.5	64.8	50	80.0	88.0	0.918

NOTES

- Gland size does not necessarily equate to the entry thread size.
- 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 supply products 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 gland kits, 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 flexible conduit is secured correctly.
- If fit testing is required for specific conduit please contact Peppers.