



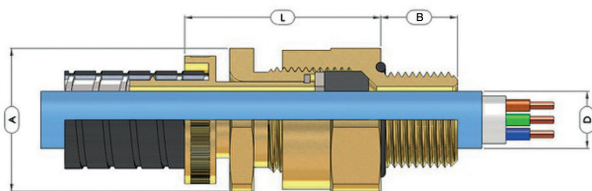
PRODUCT TYPE A*RCC

Single Compression Gland featuring a Freely Rotating Flexible Metallic Conduit Connector

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

PART NUMBERS:

A	1	R	CC	B	F
	2			S	
	3			A	
	4				



REFERENCE NUMBER: 2.3.0

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 (ACAEI)
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*RCC" 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. 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

CERTIFICATION:

ATEX	II 1D 2G Ex d IIC Gb / Ex e IIC Gb / Ex ta IIC Da II 3G Ex nR IIC Gc
IECEx	Ex d IIC Gb / Ex e IIC Gb / Ex ta IIC Da
EAC	Exd II CU / Exe II U / ExnR II U
INMETRO - Brazil	Ex d IIC Gb / Ex e IIC Gb / Ex ta IIC Da / Ex nR IIC Gc
SAC - China	Ex d IIC / Ex e IIC
UKRAINE	Ex d IIC X / Ex e II X
CCoE - India	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.F506.B.00098
INMETRO - Brazil	NCC 13.2012 X
SAC - China	NEPSI GY16.1399X
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 Protusion 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	3/8"	16	0.9	5.4	6.8	10.3	35	19.0	20.9	0.051
12-1	M16 x 1.5	3/8" or 1/2"	16	0.9	5.4	6.8	10.3	34	25.4	28.0	0.059
12-2	M12 x 1.5	3/8"	16	0.9	6.0	9.1	14.3	35	19.0	20.9	0.083
12-2	M16 x 1.5	3/8" or 1/2"	16	0.9	6.0	9.1	14.3	34	25.4	28.0	0.092
12-3	M16 x 1.5	3/8" or 1/2"	16	0.9	6.0	7.7	13.0	34	25.4	28.0	0.107
16-1	M16 x 1.5	3/8" or 1/2"	16	4.0	8.4	10.2	14.1	39	25.4	28.0	0.130
16-1	M20 x 1.5	3/8" or 1/2"	16	4.0	8.4	10.2	14.1	45	25.4	28.0	0.130
16-2	M16 x 1.5	3/8" or 1/2"	16	4.0	8.4	10.9	15.8	39	25.4	28.0	0.130
16-2	M20 x 1.5	3/8" or 1/2"	16	4.0	8.4	10.9	15.8	45	25.4	28.0	0.130
16-3	M16 x 1.5	3/8" or 1/2"	16	4.0	8.4	13.0	17.1	39	25.4	28.0	0.130
16-3	M20 x 1.5	3/8" or 1/2"	16	4.0	8.4	13.0	17.1	45	25.4	28.0	0.130
20S-1	M20 x 1.5	3/8" or 1/2"	16	7.2	11.0	13.0	17.1	45	25.4	28.0	0.133
20S-2	M20 x 1.5	3/8" or 1/2"	16	7.2	11.7	15.0	19.3	45	25.4	28.0	0.133
20S-3	M20 x 1.5	3/8" or 1/2"	16	7.2	11.7	13.6	20.7	45	25.4	28.0	0.133
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	0.162
20-2	M20 x 1.5	1/2" or 3/4"	16	9.4	14.0	18.0	23.8	45	30.0	33.0	0.162
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	0.174
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	0.195
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	0.210
25-1	M25 x 1.5	3/4" or 1"	16	13.5	20.0	23.7	31.3	46	37.6	41.4	0.256
25-2	M25 x 1.5	3/4" or 1"	16	13.5	19.0	21.1	26.8	46	37.6	41.4	0.231
25-3	M25 x 1.5	3/4" or 1"	16	13.5	19.0	24.3	31.3	46	37.6	41.4	0.234
25-4	M25 x 1.5	3/4" or 1"	16	13.5	20.0	22.3	28.3	46	37.6	41.4	0.234
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	0.322
32-2	M32 x 1.5	1" or 1 1/4"	16	19.5	26.3	30.4	38.2	47	46.0	50.6	0.347
32-3	M32 x 1.5	1" or 1 1/4"	16	19.5	26.3	30.4	40.2	47	46.0	50.6	0.369
40-1	M40 x 1.5	1 1/4" or 1 1/2"	16	23.0	32.2	36.4	46.2	50	55.0	60.5	0.518
40-2	M40 x 1.5	1 1/4" or 1 1/2"	16	23.0	32.2	36.4	44.2	50	55.0	60.5	0.497
40-3	M40 x 1.5	1 1/4" or 1 1/2"	16	23.0	32.2	37.7	44.7	50	55.0	60.5	0.484
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	0.630
50-1	M50 x 1.5	2"	16	33.1	44.1	48.4	55.8	50	65.0	71.5	0.575
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	0.990
63-1	M63 x 1.5	2 1/2"	19	46.7	53.6	57.5	64.8	50	80.0	88.0	0.900

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 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 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.