



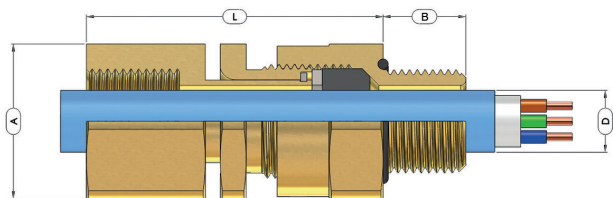
# PRODUCT TYPE A\*RCF

## Single Compression Gland with a Freely Rotating Female Conduit Connection

Ex d : Ex e : Ex nR : Ex ta : IP66 : IP68 : Class I Div 2 : AEx e : AEx ta

### PART NUMBERS:

A	1	R	CF	B	F
	2			S	
	3			A	
	4				



REFERENCE NUMBER: 2.3.4

OPTIONAL PART NUMBERING: A2RCFB050NPT/NP/20/M20

<b>A</b>	Gland featuring controlled displacement sealing
<b>2</b>	Neoprene Seal (2) - Silicone Seal (3) - Neoprene/Lead (1) - Silicone/Lead (4)
<b>R</b>	Rotating Conduit Design
<b>CF</b>	Female Conduit Connection Thread
<b>B</b>	Aluminium (A) / Brass (B) / Stainless Steel (S)
<b>F</b>	Multiple Certification
<b>050NPT</b>	1/2"NPT Female Conduit Connection Thread
<b>L</b>	Locknut (material dictated by gland entry thread material)
<b>N</b>	Including IP Washer, Nylon [N] - Fibre [V] - PTFE [H]
<b>T</b>	Including Earth Tag
<b>S</b>	Including Serrated Washer
<b>1</b>	Quantity per kit
<b>NP</b>	Nickel Plated
<b>20</b>	Gland Shell Size
<b>M20</b>	M20 x 1.5mm Male Entry Thread

OPTIONAL ACCESSORIES:

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

<b>IP RATING:</b>	IP66 & IP68 (50 metres - 7 Days), Type 4X
<b>OPERATING TEMP:</b>	Neoprene Seals -35°C to +90°C / Silicone Seals -60°C to +180°C
<b>MATERIALS:</b>	Brass, Stainless Steel or Aluminium
<b>PLATING:</b>	Electroless Nickel

### PRODUCT DESCRIPTION

"A\*RCF" 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 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 and is supplied with an IP O-ring seal as standard on metric entry threads. The gland features a freely rotating female threaded conduit connection for ease of installation.

### 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  
UL514B, UL1203, UL2225, UL50E, ANSI/UL 60079-0/7, ISA 60079-31

CERTIFICATION:

<b>ATEX</b>	II 1D 2G Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da II 3G Ex nR IIC Gc
<b>IECEX</b>	Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da
<b>NEC - USA</b>	Class I Zone 1 AEx e IIC Gb / Class II Zone 20 AEx ta IIIC Da Class II Division 1, Groups E, F & G Class III, Enclosure Type 4X
<b>EAC</b>	Exd IICU / Exe IIU / ExnR IIU
<b>INMETRO - Brazil</b>	Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da / Ex nR IIC Gc
<b>SAC - China</b>	Ex d IIC / Ex e IIC
<b>UKRAINE</b>	Ex d IIC X / Ex e II X
<b>CCoE - India</b>	Petroleum Rules 2002 (PESO)
<b>ABS</b>	Specified ABS Rules
<b>LLOYD'S</b>	Enclosure Systems (Part 1B)
<b>RMRS</b>	Part XI of RS Rules for the classification & construction of sea-going ships (ed. 2014)

CERTIFICATION No:

<b>ATEX</b>	SIRA 01ATEX1272X & SIRA 09ATEX1221X
<b>IECEX</b>	IECEX SIR 07.0096X
<b>NEC - USA</b>	CSA 2627370
<b>EAC</b>	RU C-GB.Г506.B.00098
<b>INMETRO - Brazil</b>	NCC 13.2012 X
<b>SAC - China</b>	NEPSI GYJ16.1399X
<b>UKRAINE</b>	UA.TR.047.C.0408-13 & 2937
<b>CCoE - India</b>	PESO P365300/2 & P365300/5
<b>ABS</b>	14-LD463991-1-PDA
<b>LLOYD'S</b>	10/00056(E1)
<b>RMRS</b>	14.02755.315

CABLE GLAND SELECTION TABLE (ALL DIMENSIONS IN mm)

Gland Size	Entry Thread Size		Metric Thread Length [B]	Conduit Connection Thread		Cable Acceptance Outer Sheath [D]		Nominal Protrusion Length [L]	Dimensions/Weight (Metric Versions)		
	Metric	NPT		Metric	NPT	Min	Max		Across Flats [A]	Across Corners	Weight Kgs
12	M12 x 1.5	3/8"	16	M12 x 1.5	3/8"	0.9	6.0	52	19.0	21.0	0.085
12	M16 x 1.5	3/8" or 1/2"	16	M16 x 1.5	3/8" or 1/2"	0.9	6.0	50	25.4	28.0	0.159
16	M16 x 1.5	1/2" or 3/4"	16	M16 x 1.5	1/2" or 3/4"	4.0	8.4	56	25.4	28.0	0.173
20S	M20 x 1.5	1/2" or 3/4"	16	M20 x 1.5	1/2" or 3/4"	7.2	11.7	61	25.4	28.0	0.165
20	M20 x 1.5	1/2" or 3/4"	16	M20 x 1.5	1/2" or 3/4"	9.4	14.0	61	30.0	33.0	0.229
25	M25 x 1.5	3/4" or 1"	16	M25 x 1.5	3/4" or 1"	13.5	20.0	61	37.6	41.4	0.340
32	M32 x 1.5	1" or 1 1/4"	16	M32 x 1.5	1" or 1 1/4"	19.5	26.3	61	46.0	50.6	0.471
40	M40 x 1.5	1 1/4" or 1 1/2"	16	M40 x 1.5	1 1/4" or 1 1/2"	23.0	32.2	64	55.0	60.5	0.676
50S	M50 x 1.5	1 1/2" or 2"	16	M50 x 1.5	1 1/2" or 2"	28.1	38.2	65	65.0	71.5	0.835
50	M50 x 1.5	2"	16	M50 x 1.5	2"	33.1	44.1	65	65.0	71.5	0.777
63S	M63 x 1.5	2" or 2 1/2"	19	M63 x 1.5	2" or 2 1/2"	39.2	50.1	68	80.0	88.0	1.307
63	M63 x 1.5	2 1/2"	19	M63 x 1.5	2 1/2"	46.7	56.0	68	80.0	88.0	1.211
75S	M75 x 1.5	2 1/2" or 3"	19	M75 x 1.5	2 1/2" or 3"	52.1	62.0	68	90.0	99.0	1.489
75	M75 x 1.5	3"	19	M75 x 1.5	3"	58.0	68.0	68	90.0	99.0	1.368
80	M80 x 2.0	3" or 3 1/2"	25	M80 x 2.0	3" or 3 1/2"	62.2	72.0	85	104.0	115.2	2.775
85	M85 x 2.0	3" or 3 1/2"	25	M85 x 2.0	3" or 3 1/2"	69.0	78.0	85	104.0	115.2	2.437
90	M90 x 2.0	3 1/2" or 4"	25	M90 x 2.0	3 1/2" or 4"	74.0	84.0	86	114.0	125.7	3.062
100	M100 x 2.0	3 1/2" or 4"	25	M100 x 2.0	3 1/2" or 4"	82.0	90.0	86	114.0	125.7	2.559

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 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, IECEX and CSA is required, this must be clearly requested at time of enquiry / order.

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