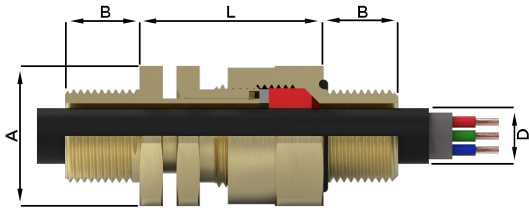




PRODUCT TYPE A*RCM

Single Compression Gland with a Freely Rotating Male Conduit Connection

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



REFERENCE NUMBER: 2.3.2

EXAMPLE PART NUMBERING:
A2RCMBF050NPT/NP/20/M20

A	Gland featuring controlled displacement seal
2	Neoprene Seal (2) - Silicone Seal (3) - Neoprene/Lead (1) - Silicone/Lead (4)
R	Rotating Conduit Design
CM	Male Conduit Connection Thread
B	Aluminium (A) / Brass (B) / Stainless Steel (S)
F	Multiple Certification
050NPT	1/2"NPT Male Conduit Connection Thread
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	Gland Shell 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), Type 4X
OPERATING TEMP:	Neoprene Seals -35°C to +90°C / Silicone Seals -60°C to +180°C
MATERIALS:	Brass, Stainless Steel or Aluminium
PLATING:	Electroless Nickel

PART NUMBERS:

A	1	R	CM	B	F
	2			S	
	3			A	
	4				



PRODUCT DESCRIPTION

"A*RCM" 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. 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 male threaded conduit connection for ease of installation.

COMPLIANCE STANDARDS:

EN60079-0, EN60079-1, EN60079-7, EN60079-15, EN60079-31
IEC60079-0, IEC60079-1, IEC60079-7, IEC60079-31 & IEC60529
UL514B, UL1203, UL2225, UL50E, ANSI/UL 60079-0/7, ISA 60079-31

CERTIFICATION:

ATEX	II 1D 2G Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da II 3G Ex nR IIC Gc
IECEX	Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da
NEC - USA	Class II Division 1, Groups E, F & G Class III, Enclosure Type 4X Class I Zone 1 AEx e IIC Gb Class II Zone 20 AEx ta IIIC Da
EAC	1Ex d II 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 ta IIIC Da / Ex nR IIC Gc
SAC - China	Ex d IIC Gb / Ex e IIC Gb
UKRAINE	Ex d IIC X / Ex e II X
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 / Ex tb IIIC

CERTIFICATION NO.:

ATEX	SIRA 01ATEX1272X & SIRA 09ATEX1221X
IECEX	IECEX SIR 07.0096X
NEC - USA	CSA 2627370
EAC	TC RU C-GB.BH02.B.00693-18
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 Size	Entry Thread Size		Metric Thread Length [B]	Conduit Connection Thread		Cable Acceptance Outer Sheath [D]		Nominal Protrusion Length [L]	Dimensions/Weight (Metric)		
	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	34	19.0	21.0	0.061
12	M16 x 1.5	3/8" or 1/2"	16	M16 x 1.5	3/8" or 1/2"	0.9	6.0	32	25.4	28.0	0.121
16	M16 x 1.5	1/2" or 3/4"	16	M16 x 1.5	1/2" or 3/4"	4.0	8.4	38	25.4	28.0	0.133
20S	M20 x 1.5	1/2" or 3/4"	16	M20 x 1.5	1/2" or 3/4"	7.2	11.7	43	25.4	28.0	0.149
20	M20 x 1.5	1/2" or 3/4"	16	M20 x 1.5	1/2" or 3/4"	9.4	14.0	43	30.0	33.0	0.174
25	M25 x 1.5	3/4" or 1"	16	M25 x 1.5	3/4" or 1"	13.5	20.0	43	37.6	41.4	0.243
32	M32 x 1.5	1" or 1 1/4"	16	M32 x 1.5	1" or 1 1/4"	19.5	26.3	43	46.0	50.6	0.344
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	46	55.0	60.5	0.510
50S	M50 x 1.5	1 1/2" or 2"	16	M50 x 1.5	1 1/2" or 2"	28.1	38.2	47	65.0	71.5	0.597
50	M50 x 1.5	2"	16	M50 x 1.5	2"	33.1	44.1	47	65.0	71.5	0.540
63S	M63 x 1.5	2" or 2 1/2"	19	M63 x 1.5	2" or 2 1/2"	39.2	50.1	47	80.0	88.0	0.921
63	M63 x 1.5	2 1/2"	19	M63 x 1.5	2 1/2"	46.7	56.0	47	80.0	88.0	0.825
75S	M75 x 1.5	2 1/2" or 3"	19	M75 x 1.5	2 1/2" or 3"	52.1	62.0	47	90.0	99.0	1.132
75	M75 x 1.5	3"	19	M75 x 1.5	3"	58.0	68.0	47	90.0	99.0	1.011
80	M80 x 2.0	3" or 3 1/2"	25	M80 x 2.0	3" or 3 1/2"	62.2	72.0	58	104.0	115.2	1.852
85	M85 x 2.0	3" or 3 1/2"	25	M85 x 2.0	3" or 3 1/2"	69.0	78.0	58	104.0	115.2	1.667
90	M90 x 2.0	3 1/2" or 4"	25	M90 x 2.0	3 1/2" or 4"	74.0	84.0	59	114.0	125.7	2.041
100	M100 x 2.0	3 1/2" or 4"	25	M100 x 2.0	3 1/2" or 4"	82.0	90.0	60	114.0	125.7	1.986

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.