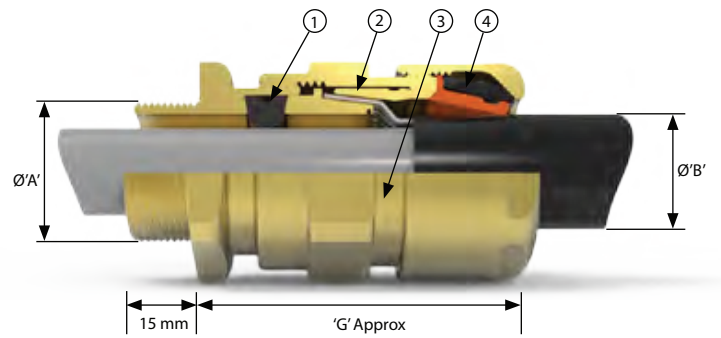




# 501/453/RAC

Flameproof, Increased Safety, Dust Protection  
Class - Zones  
Certified ATEX / IECEx / c CSA us

- 1 Elastomeric Exd flameproof seal on cable inner sheath
- 2 Reversible Armour Clamp - For all types of armour and braid.
- 3 Patented Cable Gland Tightening Guide - Helps prevent damage caused by over tightening
- 4 Unique Rear Seal - Offering ultimate sealing over an extremely wide cable acceptance range



International Approvals



The 501/453/RAC Cable Gland is dual certified Exe/Exd, robust and for use with single wire armour 'W', wire braid 'X', steel tape armour 'Z', elastomer and plastic insulated cables. The gland provides an elastomeric seal on the cable inner sheath, and a low smoke, zero halogen IP and retention seal onto the cable outer sheath. See technical section for installation rules and regulations

Cable Gland Selection Table													
Size Ref.	Entry Thread Size 'A'		Cable Acceptance Details								Hexagon Dimensions		
	Metric	NPT* Standard	Inner Sheath				Outer Sheath 'B'		Armour Braid 'C'		'G'	Across Flats	Across Corners
			Standard Seal		Alternative Seal (S)		Min	Max	Orientation 1	Orientation 2			
			Min	Max	Min	Max							
Os	M20 <sup>2</sup>	½"	3.2	8.0	-	-	5.5	12.0	0.8 / 1.25	0.0 / 0.8	52.0	24.0	26.5
O	M20 <sup>2</sup>	½"	6.5	11.9	-	-	9.5	16.0	0.8 / 1.25	0.0 / 0.8	52.0	24.0	26.5
A	M20	¾" or ½"	10.0	14.3	9.0	13.4	12.5	20.5	0.8 / 1.25	0.0 / 0.8	53.0	30.0	32.5
B	M25	1" or ¾"	13.0	20.2	9.5	15.4	16.9	26.0	1.25 / 1.6	0.0 / 0.7	59.5	36.0	39.5
C	M32	1½" or 1"	19.5	26.5	15.5	21.2	22.0	33.0	1.6 / 2.0	0.0 / 0.7	64.0	46.0	50.5
C2	M40	1½" or 1¼"	25.0	32.5	22.0	28.0	28.0	41.0	1.6 / 2.0	0.0 / 0.7	68.3	55.0	60.6
D	M50	2" or 1½"	31.5	44.4 / 42.3 <sup>1</sup>	27.5	34.8	36.0	52.6	1.8 / 2.5	0.0 / 1.0	79.0	65.0	70.8
E	M63	2½" or 2"	42.5	56.3 / 54.3 <sup>1</sup>	39.0	46.5	46.0	65.3	1.8 / 2.5	0.0 / 1.0	78.4	80.0	88.0
F	M75	3" or 2½"	54.5	68.2 / 65.3 <sup>1</sup>	49.5	58.3	57.0	78.0	1.8 / 2.5	0.0 / 1.0	83.7	95.0	104.0
G	M80	3½"	67.0	73.0	-	-	75.0	89.5	2.0 / 3.5	0.0 / 1.0	95.6	106.4	115.0
H	M90	3½"	67.0	77.6	-	-	75.0	89.5	2.0 / 3.5	0.0 / 1.0	95.6	115.0	130.0
J	M100	4"	75.0	91.6	-	-	88.0	104.5	2.5 / 4.0	0.0 / 1.0	95.6	127.0	142.0

Os to F size metric entry threads are 1.5mm pitch as standard, 15mm length of thread. For G size glands and above, a 2mm pitch is supplied as standard, 20mm length of thread (1.5mm pitch with 15mm length of thread can be supplied) please specify when ordering. All dimensions in millimetres (except \* where dimensions are in inches).

1 Smaller value is applicable when selecting reduced NPT entry option.

2 Sizes Os and O are available with an M16 thread size. For O size with M16 thread, the maximum cable outer sheath diameter is 10.9mm

Brass NPT entries are nickel plated as standard.

## Technical Data

Ingress Protection	IP66, IP67 and IP68 (30 metres for 7 days, special conditions may apply) to IEC/EN 60529 and NEMA 4X
Deluge Protection	to DTS01
Operating Temperature	-60°C to +100°C
<b>ATEX/IECEx</b>	
ATEX/IECEx Protection Class	Ex II 2GD Ex db IIC Gb; Ex eb IIC Gb; Ex tb IIIC Db
ATEX Certificate No	CML 19ATEX1167X
IECEx Certificate No	CML 19.0045X
Construction & Test Standards	IEC/EN 60079-0, IEC/EN 60079-1, IEC/EN 60079-7 and IEC/EN 60079-31 EAC: TC RU C-GB HA91 B 0046 19 Inmetro: IEx 14.0272X
Additional Certifications	KCs: 17-KA4BO-0129X to 0137X PESO: P450038 CNEX: CNEx17 2858X
<b>NEC / CEC</b>	
NEC Protection Class	Class I, Zone I, AEx eb IIC Gb; Zone 21, AEx tb IIIC Db
CEC Protection Class	Class I Div 2 ABCD, Class II Div 2 EFG and Class III Ex db IIC Gb; Ex eb IIC Gb
c CSA us Certificate Number	CSA1015065
Construction & Test Standards	UL 60079-0, UL 60079-7, UL 60079-31, CSA 22.2 No: 60079-0, CSA 22.2 No: 60079-1, CSA 22.2 No: 60079-7, CSA 22.2 No: 60079-31, UL514B; UL1203; UL 2225



**Alternative Reversible Armour Clamping Ring Size Selection**

Size Ref	Steel Wire Armour / Braid / Tape	
	Orientation 1	Orientation 2
B	0.9 - 1.25	0.5 - 0.9
C	1.2 - 1.6	0.6 - 1.2
C2	1.2 - 1.6	0.6 - 1.2
D	1.45 - 1.8	1.0 - 1.45
E	1.45 - 1.8	1.0 - 1.45
F	1.45 - 1.8	1.0 - 1.45

**Ordering Information**

Format for ordering is as follows: Alternative Seal (S), Alternative Ring (AR), add suffix S and/or AR to ordering information

Cable Gland Type	Size	Thread	Material	(Optional)
501/453/RAC	C	M32	Brass	AR
501/453/RAC	C	1¼" NPT	Brass	S

Order Example: 501/453/RAC C M32 BRASS AR