

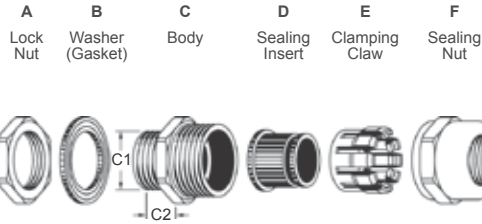
220-5012

## Heat & Cold Resistant Brass Cable Glands

PATENTED

Metric

PG



- Thread Type : Metric and PG.
- Material Data : Brass nickel-plated ( JIS C3604 / DIN CuZn39Pb3 / ASTM C37800 ) for A.C.F parts ; Special heat resistance polyamide for E part. Special heat & weather resistance rubbers for B.D parts.
- IP Protection : IP68 - 5 bar.
- Working Temp. : - 40 °C to 150 °C ( - 40 °F to 302 °F ) ; intermittent to approx. 180 °C ( 356 °F ).
- Application : The combination of high quality nickel-plated brass body and the special heat & cold resistant sealing rubber { well known for its excellent - 50 °C ( - 58 °F ) to 200 °C ( 392 °F ) working temperature range } provides integrated performance to offering the highest working temperatures and mechanical properties ( extreme heat & cold, flame and impact resistance, etc ). In addition, the gland with AVC's perfect clamping design provides the outstanding strain relief power & watertight performance over the entire cable range to be the outstanding long life cable entry system for outdoor / indoor applications in specific requirements.
- \* Contact us for designing & ordering different sealing hole patterns with varying diameters & other extended gland sizes. ( Sealing Inserts are not sold separately )
- \* AVC sealing inserts are available in split versions for mounting wires with pre-assembled terminals or connectors. ( Minimum order quantity is required )
- \* For product property & chemical resistance informations, please click here for reference.
- \* The Washer ( Gasket ) and Lock Nut are all included in each cable gland, this saves additional ordering work and storage locations.

Seal Holes	Thread	Cat. No.	Cable Range mmφ	Thread O. D. C1 mm	Panel Mounting Hole mm	Thread Length C2 mm	Spanner Size A / F mm	Body Min. I. D. mm	Std. Pkg. pcs	
A TYPE	M12 X 1.5	MBA12 - 05 - SH	5.3 ~ 3	12	12 ~ 12.3	8	17 / 17	8	10	
		MBA12 - 08 - SH	7.8 ~ 4.5	12	12 ~ 12.3	8	17 / 17	8	10	
	M16 X 1.5	MBA16 - 06 - SH	7 ~ 4	16	16 ~ 16.3	9	22 / 22	10.5	10	
		MBA16 - 10 - SH	10 ~ 6	16	16 ~ 16.3	9	22 / 22	10.5	10	
	M20 X 1.5	MBA20M - 08 - ST - SH	8.8 ~ 5	20	20 ~ 20.3	6	24 / 24	12.5	10	
		MBA20M - 08 - SH	8.8 ~ 5	20	20 ~ 20.3	9.5	24 / 24	12.5	10	
		MBA20M - 08 - LT - SH	8.8 ~ 5	20	20 ~ 20.3	15	24 / 24	12.5	10	
		MBA20M - 11 - ST - SH	11.1 ~ 7	20	20 ~ 20.3	6	24 / 24	12.5	10	
		MBA20M - 11 - SH	11.1 ~ 7	20	20 ~ 20.3	9.5	24 / 24	12.5	10	
		MBA20M - 11 - LT - SH	11.1 ~ 7	20	20 ~ 20.3	15	24 / 24	12.5	10	
	M25 X 1.5	MBA20 - 13 - SH	14 ~ 9	20	20 ~ 20.3	9.5	26 / 26	14.5	10	
		MBA25 - 16 - SH	16 ~ 12	25	25 ~ 25.4	12	32 / 32	18.5	10	
	M32 X 1.5	MBA25 - 18 - SH	18 ~ 14	25	25 ~ 25.4	12	32 / 32	18.5	10	
		MBA32 - 22 - SH	22 ~ 16	32	32 ~ 32.4	12.5	41 / 41	25	10	
	PG TYPE	PG 7	PBA7 - 05 - SH	5.3 ~ 3	12.5	12.5 ~ 12.8	8	17 / 17	8.5	10
			PBA7 - 08 - SH	7.8 ~ 4.5	12.5	12.5 ~ 12.8	8	17 / 17	8.5	10
PG 11		PBA11 - 06 - SH	7 ~ 4	18.6	18.6 ~ 18.9	9	22 / 22	10.5	10	
		PBA11 - 10 - SH	10 ~ 6	18.6	18.6 ~ 18.9	9	22 / 22	10.5	10	
PG 13.5		PBA13.5 - 08 - ST - SH	8.8 ~ 5	20.4	20.4 ~ 20.7	6	24 / 24	12.5	10	
		PBA13.5 - 08 - SH	8.8 ~ 5	20.4	20.4 ~ 20.7	9.5	24 / 24	12.5	10	
		PBA13.5 - 08 - LT - SH	8.8 ~ 5	20.4	20.4 ~ 20.7	15	24 / 24	12.5	10	
		PBA13.5 - 11 - ST - SH	11.1 ~ 7	20.4	20.4 ~ 20.7	6	24 / 24	12.5	10	
		PBA13.5 - 11 - SH	11.1 ~ 7	20.4	20.4 ~ 20.7	9.5	24 / 24	12.5	10	
		PBA13.5 - 11 - LT - SH	11.1 ~ 7	20.4	20.4 ~ 20.7	15	24 / 24	12.5	10	
PG 16	PBA16 - 13 - SH	14 ~ 9	22.5	22.5 ~ 22.8	9.5	26 / 26	14.5	10		
PG 21	PBA21 - 16 - SH	16 ~ 12	28.3	28.3 ~ 28.7	12	32 / 32	18.5	10		
PG 29	PBA21 - 18 - SH	18 ~ 14	28.3	28.3 ~ 28.7	12	32 / 32	18.5	10		
	PBA29 - 22 - SH	22 ~ 16	37	37 ~ 37.4	12.5	41 / 41	25	10		
		PBA29 - 25 - SH	25 ~ 18	37	37 ~ 37.4	12.5	41 / 41	25	10	

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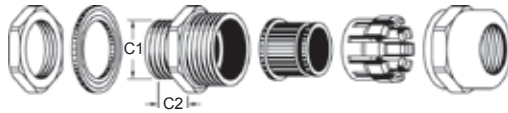
PATENTED

G (PF)

NPT



A Lock Nut  
B Washer (Gasket)  
C Body  
D Sealing Insert  
E Clamping Claw  
F Sealing Nut



- Thread Type : G ( PF ) and NPT ( Without lock nut ) .
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A TYPE	G (PF)	FBA13 - 05 - SH	5.3 ~ 3	13.157	13.2 ~ 13.4	8	17 / 17	8.5	10	
		FBA13 - 08 - SH	7.8 ~ 4.5	13.157	13.2 ~ 13.4	8	17 / 17	8.5	10	
		FBA17 - 06 - SH	7 ~ 4	16.662	16.7 ~ 16.9	9	22 / 22	10.5	10	
		FBA17 - 10 - SH	10 ~ 6	16.662	16.7 ~ 16.9	9	22 / 22	10.5	10	
		FBA21M - 08 - ST - SH	8.8 ~ 5	20.955	21 ~ 21.2	6	24 / 24	12.5	10	
		FBA21M - 08 - SH	8.8 ~ 5	20.955	21 ~ 21.2	9.5	24 / 24	12.5	10	
		FBA21M - 08 - LT - SH	8.8 ~ 5	20.955	21 ~ 21.2	15	24 / 24	12.5	10	
		FBA21M - 11 - ST - SH	11.1 ~ 7	20.955	21 ~ 21.2	6	24 / 24	12.5	10	
		FBA21M - 11 - SH	11.1 ~ 7	20.955	21 ~ 21.2	9.5	24 / 24	12.5	10	
		FBA21M - 11 - LT - SH	11.1 ~ 7	20.955	21 ~ 21.2	15	24 / 24	12.5	10	
		FBA21 - 13 - SH	14 ~ 9	20.955	21 ~ 21.2	9.5	26 / 26	14.5	10	
		FBA26 - 16 - SH	16 ~ 12	26.441	26.5 ~ 26.8	12	32 / 32	18.5	10	
		FBA26 - 18 - SH	18 ~ 14	26.441	26.5 ~ 26.8	12	32 / 32	18.5	10	
		FBA33 - 22 - SH	22 ~ 16	33.249	33.3 ~ 33.6	12.5	41 / 41	25	10	
	FBA33 - 25 - SH	25 ~ 18	33.249	33.3 ~ 33.6	12.5	41 / 41	25	10		
	NPT	NPT 3/8	NBA17 - 06 - SH	7 ~ 4	17.055	-	13	22 / 22	10.5	10
		NPT 3/8	NBA17 - 10 - SH	10 ~ 6	17.055	-	13	22 / 22	10.5	10
		NPT 1/2	NBA21M - 08 - ST - SH	8.8 ~ 5	21.223	-	9.5	24 / 24	11.5	10
			NBA21M - 08 - SH	8.8 ~ 5	21.223	-	13	24 / 24	11.5	10
			NBA21M - 08 - LT - SH	8.8 ~ 5	21.223	-	15	24 / 24	11.5	10
NBA21M - 11 - ST - SH			11.1 ~ 7	21.223	-	9.5	24 / 24	11.5	10	
NBA21M - 11 - SH			11.1 ~ 7	21.223	-	13	24 / 24	11.5	10	
NBA21M - 11 - LT - SH			11.1 ~ 7	21.223	-	15	24 / 24	11.5	10	
NBA21 - 13 - SH		14 ~ 9	21.223	-	13	26 / 26	14.5	10		
NPT 3/4		NBA26 - 16 - SH	16 ~ 12	26.568	-	14	32 / 32	18.5	10	
	NBA26 - 18 - SH	18 ~ 14	26.568	-	14	32 / 32	18.5	10		
NPT 1	NBA33 - 22 - SH	22 ~ 16	33.227	-	15	41 / 41	25	10		
	NBA33 - 25 - SH	25 ~ 18	33.227	-	15	41 / 41	25	10		