

# DOME LIQUID-TIGHT STRAIGHT NICKEL PLATED BRASS STRAIN RELIEF CONNECTOR

## Specifications

### Technical Details:

**Material:** Brass, Nickel Plated  
**Sealing Ring:** Neoprene  
**Protection Class:** IP68  
**Temp. Range:** -40°C to +100°C  
**Clamping Insert:** Polyamide 6  
**O Ring:** NBR (Buna N, Nitrile)



Part #	Cable Range	Thread Type Size	DIMENSIONS (INCHES)				Locking Nuts (Nickel Plated Brass)					
			Clearance Hole +.10/.010	Body Height Dome Fitting	Thread Length Fitting	Wrenching Flats	PART # Locking Nut	THREAD TYPE & SIZE	DIMENSIONS (INCHES)			
									Thickness	Wrenching Flats		
Dome Fitting	(Inches)											
BR07AA BR07AR	.12- .26 .08- .20	PG 7	.49	.75	.20	.55	NP-07-BR	PG 7	.11	.59		
BR09AA BR09AR	.16- .31 .08- .24	PG 9	.60	.79	.24	.67	NP-09-BR	PG 9	.11	.71		
BR09NA BR09NR	.16- .31 .08- .24	3/8" NPT	.68	.79	.59	.67/.74	NN-09-BR	3/8" NPT	.14	.75		
BR11AA BR11AR	.20- .39 .11- .28	PG 11	.73	.83	.24	.79	NP-11-BR	PG 11	.12	.83		
BR13AA BR13AR	.24- .47 .20- .35	PG 13.5	.80	.87	.26	.87	NP-13-BR	PG 13.5	.12	.91		
BR13NA BR13NR	.24- .47 .20- .35	1/2" NPT	.83	.87	.51	.87/.94	NN-13-BR	1/2" NPT	.14	.94		
BR16AA BR16AR	.39- .56 .28- .47	PG 16	.88	.91	.26	.94	NP-16-BR	PG 16	.12	1.02		
BR21AA BR21AR	.51- .71 .35- .63	PG 21	1.12	.98	.28	1.18	NP-21-BR	PG 21	.14	1.26		
BR21NA BR21NR	.51- .71 .35- .63	3/4" NPT	1.05	.98	.51	1.18	NN-21-BR	3/4" NPT	.18	1.18		
BR29AA BR29AR	.71- .98 .51- .79	PG 29	1.47	1.14	.31	1.57	NP-29-BR	PG 29	.16	1.61		
BR36AA BR36AR	.86- 1.26 .79- 1.02	PG 36	1.85	1.38	.31	1.97	NP-36-BR	PG 36	.20	2.01		

## TUFF-SEAL™



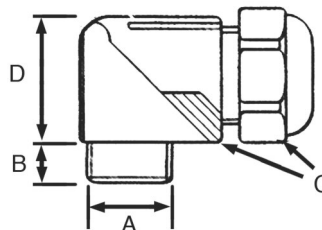
### SPECIFICATIONS

**Materials:** Brass, Nickel-Plated  
**Sealing Ring:** Neoprene  
**Protection Class:** IP68  
**Clamping Insert:** Polyamide 6  
**O Ring:** NBR (Buna N, Nitrile)

Black is Standard Color

## DOME CAP™ CABLE GLANDS

### DOME CAP 90° SNAP ELBOW NON-METALLIC CABLE GLANDS WITH NPT THREADS



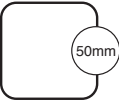

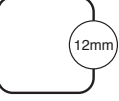
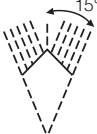
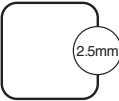
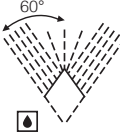
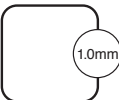

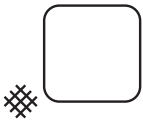
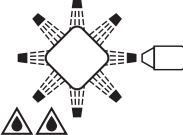
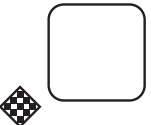
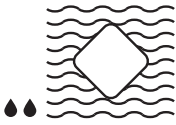
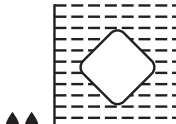

Dome Cable Glands	Locking Nuts	Cable Range (in.)	Thread Type & Size	Clearance Hole (in.) (A)	Thread Length (in.) (B)	Across Flats (in.) (C)	Height (in.) (D)
RE13NS	RLN13-BK	.11 - .27	1/2" NPT	0.63	0.31	0.75	0.91
RE13NR	RLN13-BK	.20 - .35	1/2" NPT	0.79	0.35	0.94	1.20

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**RATINGS/MATERIAL OF CONSTRUCTION**

Material	IP 54 and NEMA 3	IP 54 and NEMA 3R	IP 65 and NEMA 4	IP 56 and NEMA 4X	IP 67 and NEMA 6	IP 52 and NEMA 12
Aluminum	X	X	X	—	X	X
Nickel-Plated Aluminum	X	X	X	X	X	X
Steel	X	X	X	—	X	X
Stainless Steel	X	X	X	X	X	X
Nylon	X	X	X	—	X	X
Valox	X	X	X	X	X	X

**IP RATINGS DEFINITION**

First Digit	Protection From Solid Objects	Second Digit	Protection From Moisture
<b>0</b>	Non-Protected	<b>0</b>	Non-Protected
<b>1</b>	 <p>Protected against solid objects over 50mm e.g hands, large tools</p>	<b>1</b>	 <p>Protection against vertically falling drops of water</p>
<b>2</b>	 <p>Protected against solid objects over 12mm e.g hands, large tools</p>	<b>2</b>	 <p>Protection against direct sprays of water up to a 15° angle</p>
<b>3</b>	 <p>Protection from entry by solid objects over 2.5mm e.g. wire or small tools</p>	<b>3</b>	 <p>Protection against direct sprays of water up to a 60° angle</p>
<b>4</b>	 <p>Protection from entry by solid objects over 1.0mm e.g. wires or tools</p>	<b>4</b>	 <p>Protection against water sprayed from any direction. Limited ingress permitted.</p>
<b>5</b>	 <p>Protection against deposits of dust e.g. against equipment damage due to deposits</p>	<b>5</b>	 <p>Protection against low pressure water jets from any direction. Limited ingress permitted</p>
<b>6</b>	 <p>Total protection against dust ingress e.g. Dust-Tight</p>	<b>6</b>	 <p>Protection against high pressure water jets from any direction. Limited ingress permitted.</p>
<b>IP CODE EXAMPLE</b>		<b>7</b>	 <p>Protection against immersion between 15cm and 1M</p>
IP54 = IP (IP LETTER CODE), 5 (1st Digit), 4 (2nd Digit)		<b>8</b>	 <p>Protection against complete and continuous immersion in water under pressure e.g Water-Tight</p>

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