

Nickel Plated Brass Liquid Tight Strain Relief Fittings

Mini WADI & WADI XL - PG & Metric Threads





Nickel Plated Brass

Mini WADI Fittings solve space restriction issues. These mini components will fit into tight areas, but maintain the quality of their larger counterparts. The Standard Buna-N/TPE or the FKM O-Ring creates a reliable seal between body and housing. WADI Rating: 70 PSI, 5 BAR, IP 68.



Typical Mini WADI Applications:

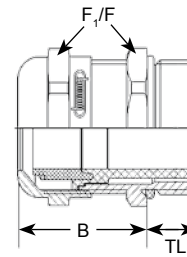
- Fiber optics
- Switches
- Sensors
- Small appliances
- Cameras

Mini WADI: Smallest Cable Gland							
Part Numbers		Cable Range	Thread Type & Size	Dimensions in Inches (mm)			
-40°F to 212°F (-20°C to 100°C)	-13°F to 392°F (-25°C to 200°C)			A	B	TL	F ₁ /F
		Inches (mm)	See page 56 for thread specs	Clearance Hole	Body Length	Thread Length	Wrench Flats
				+ .01" (+.25 mm)			
CD07AW-BR*	-	.08 - .18 (2 - 4.5)	PG 7	.49 (12.5)	.56 (12.5)	.14 (3.5)	.43 (11) / .59 (15)
CD06MW-BR	CD06MW-RV	.08 - .13 (2 - 3.2)	M6 x 1	.25 (6)	.39 (10)	.24 (6)	.31 (8)
CD08MW-BR	CD08MW-RV	.12 - .20 (3 - 5)	M8 x 1.25	.33 (8)	.51 (13)	.24 (6)	.43 (11)
CD10MW-BR	-	.16 - .24 (4 - 6)	M10 x 1.5	.39 (10)	.55 (14)	.24 (6)	.47 (12)

*CD07AW-BR does not come with an O-Ring.


*CE rating applies to Mini WADI Fittings only.


Also available in Stainless Steel, Elongated & EMI.

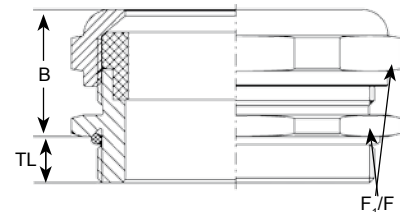
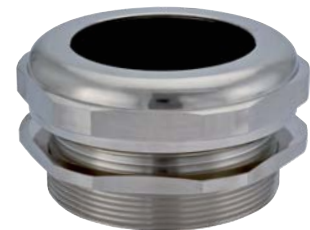



Suggested Clearance Hole for Non-Threaded Mounting

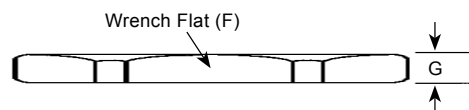


Locking Nuts: for Mini WADI			
Part Numbers	Thread Type & Size	Dimens. Inches (mm)	
		G	F
	See page 56 for thread specs	Thickness	Wrench Flats
NP-07-BR		PG 7	.11 (2.8)
NM-06-BR	M6 x 10	.10 (2.5)	.39 (10)
NM-08-BR	M8 x 1.25	.10 (2.5)	.51 (13)
NM-10-BR	M10 x 1.5	.11 (2.8)	.51 (13)

WADI XL: Largest Cable Glands							
Part Numbers		Cable Range	Thread Type & Size	Dimensions in Inches (mm)			
-40°F to 212°F (-40°C to 100°C)				A	B	TL	F ₁ /F
	Buna N	Inches (mm)	See page 56 for thread specs	Clearance Hole	Body Length	Thread Length	Wrench Flats
				+ .01" (+.25 mm)			
CX63MA-BR	1.89 - 2.17 (48-55)	M63 x 1.5	2.48 (63)	1.65 (42)	.39 (10)	2.95 (75)	3.15 (80)
CX75MA-BR	1.89 - 2.17 (48-55)	M75 x 1.5	2.95 (75)	1.65 (42)	.59 (15)	3.15 (80)	3.35 (85)
CX75MB-BR	2.09 - 2.36 (53-60)	M80 x 2	3.15 (80)	1.65 (42)	.59 (15)	3.54 (90)	3.54 (90)
CX80MA-BR	2.28 - 2.56 (58-65)	M80 x 2	3.15 (80)	1.65 (42)	.59 (15)	3.54 (90)	3.54 (90)
CX90MA-BR	2.48 - 2.76 (63-70)	M90 x 2	3.54 (90)	1.65 (42)	.59 (15)	3.94 (100)	3.94 (100)
CX90MB-BR	2.68 - 2.95 (68-75)	M90 x 2	3.54 (90)	1.65 (42)	.59 (15)	3.94 (100)	3.94 (100)
CX10MA-BR	2.87 - 3.15 (73-80)	M100 x 2	3.94 (100)	2.05 (52)	.79 (20)	4.33 (110)	4.33 (110)
CX10MB-BR	3.07 - 3.35 (78-85)	M100 x 2	3.94 (100)	2.05 (52)	.79 (20)	4.33 (110)	4.33 (110)
CX11MA-BR	3.27 - 3.54 (83-90)	M110 x 2	4.33 (110)	2.05 (52)	.79 (20)	4.72 (120)	4.72 (120)



Locking Nuts: for WADI XL			
Part Numbers	Thread Type & Size	Dimens. Inches (mm)	
		G	F
	See page 56 for thread specs	Thickness	Wrench Flats
NM-63-BR		M63 x 1.5	.24 (6)
NM-75-XL	M75 x 1.5	.32 (8)	3.35 (85)
NM-80-XL	M80 x 2	.32 (8)	3.54 (90)
NM-90-XL	M90 x 2	.32 (8)	3.94 (100)
NM-10-XL	M100 x 2	.43 (11)	4.53 (115)
NM-11-XL	M110 x 2	.43 (11)	4.92 (125)



Suggested Clearance Hole for Non-Threaded Mounting

Typical XL Applications:

- Machine & Apparatus
- Off-shore
- Automation
- Renewable Energy
- Railroads
- Utilities
- Ship Building
- Nuclear Power
- Printing Machines

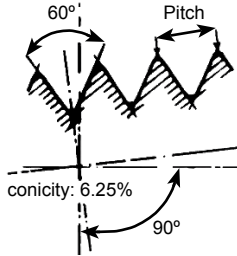
Silicone or FKM Inserts & O-Rings for WADI XL Fittings are available on request. For inquiries, please call our Inside Technical Sales Department (800) 456-9012 or (303) 699-1135.



Optional Locking Nuts, O-Rings & Other Accessories starting on Page 29 - 40.

NPT Threads

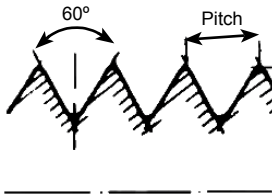
Thread Size	1/4" NPT	3/8" NPT	1/2" NPT	3/4" NPT	1" NPT	1-1/4" NPT	1-1/2" NPT	2" NPT
Major Dia. in Inches (mm)	.54 (13.72)	.675 (17.145)	.84 (21.336)	1.05 (26.67)	1.314 (33.40)	1.66 (42.164)	1.90 (48.26)	2.375 (60.325)
Pitch in Inches (mm)	.056 (1.41)	.056 (1.411)	.071 (1.814)	.071 (1.814)	.087 (2.208)	.087 (2.208)	.087 (2.208)	.087 (2.208)
Threads per Inch	18	18	14	14	11.5	11.5	11.5	11.5



- NPT Thread = National Pipe Thread
- Taper rate for all NPT threads is 1/16
- The taper on NPT threads allows them to form a seal when torqued as the flanks of the threads compress against each other, as opposed to straight thread fittings

Metric Threads

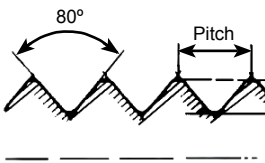
Thread Size	M6	M8	M10	M12	M16	M20	M25	M32	M40	M50	M63
Major Dia. in Inches (mm)	.24 (6)	.31 (8)	.39 (10)	.47 (12)	.63 (16)	.79 (20)	.98 (25)	1.26 (32)	1.57 (40)	1.97 (50)	2.48 (63)
Pitch in Inches (mm)	.04 (1)	.05 (1.25)	.06 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)
Thru Hole in Inches (mm)	.251 (6.4)	.33 (8.4)	.413 (10.5)	.492 (12.5)	.63 (16)	.79 (20)	.98 (25)	1.26 (32)	1.57 (40)	1.97 (50)	2.48 (63)



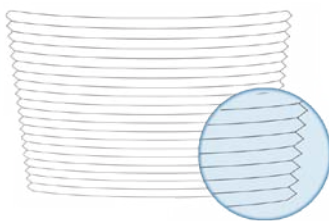
- World-wide most commonly used type thread
- Characterized by its major diameter and its pitch
- Designated by the letter M followed by the value of the nominal diameter and the pitch, both expressed in millimeters and separated by the multiplication sign 'x' (i.e. M12 x 1.5)

PG Threads

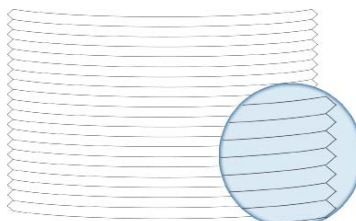
Thread Size	PG 7	PG 9	PG 11	PG 13 / 13.5	PG 16	PG 21	PG 29	PG 36	PG 42	PG 48
Major Dia. in Inches (mm)	.49 (12.5)	.60 (15.2)	.73 (18.6)	.80 (20.4)	.89 (22.5)	1.11 (28.3)	1.46 (37)	1.85 (47)	2.13 (54)	2.39 (59.3)
Pitch in Inches (mm)	.05 (1.27)	.056 (1.41)	.056 (1.41)	.056 (1.41)	.056 (1.41)	.062 (1.59)	.062 (1.59)	.062 (1.59)	.062 (1.59)	.062 (1.59)
Thru Hole in Inches (mm)	.50 (12.7)	.606 (15.4)	.74 (18.8)	.8149 (20.7)	.897 (22.8)	1.12 (28.6)	1.47 (37.4)	1.87 (47.5)	2.14 (54.5)	2.35 (59.8)



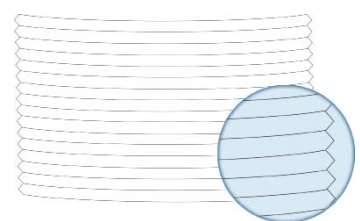
- PG Thread = Panzer-Gewinde (also Panzer-Rohr-Gewinde)
- German thread type
- Depth of thread smaller than NPT or Metric, but larger flank angle
- Straight thread



NPT Threads
(Tapered)



Metric Threads
(Straight)



PG Threads
(Straight)