

Nickel Plated Brass Liquid Tight Strain Relief Fittings

Standard - PG / NPT / Metric Threads



Nickel Plated Brass

Part Numbers		Cable Range	Thread Type & Size	Dimensions in Inches (mm)				
-40°F to 212°F (-40°C to 100°C)				A	B	C	TL	F _i /F
Dome	Flex	Inches (mm)	See Page 56 for thread specs	Clearance Hole +.01" (+.25 mm)	Body Length (Dome)	Body Length (Flex)	Thread Length	Wrench Flats
CD07AA-BR	CF07AA-BR	.12 - .26 (3 - 6.5)	PG 7 / 1/4" NPT	.49 (12.5)	.75 (19)	2.17 (55)	.20 (5)	.55 (14)
CD07AR-BR	CF07AR-BR	.08 - .20 (2 - 5)						
CD09AA-BR	CF09AA-BR	.16 - .31 (4 - 8)	PG 9	.60 (15.2)	.83 (21)	2.60 (66)	.24 (6)	.67 (17)
CD09AR-BR	CF09AR-BR	.08 - .24 (2 - 6)						
CD11AA-BR	CF11AA-BR	.20 - .39 (5 - 10)	PG 11	.73 (18.5)	.87 (22)	3.03 (77)	.24 (6)	.79 (20)
CD11AR-BR	CF11AR-BR	.12 - .28 (3 - 7)						
CD13AA-BR	CF13AA-BR	.24 - .47 (6 - 12)	PG 13 / 13.5	.80 (20.3)	.94 (24)	3.46 (88)	.26 (6.5)	.87 (22)
CD13AR-BR	CF13AR-BR	.20 - .35 (5 - 9)						
CD16AA-BR	CF16AA-BR	.39 - .55 (10 - 14)	PG 16	.89 (22.5)	.91 (23)	3.86 (98)	.26 (6.5)	.94 (24)
CD16AR-BR	CF16AR-BR	.28 - .47 (7-12)						
CD21AA-BR	CF21AA-BR	.51 - .71 (13 - 18)	PG 21	1.12 (28.4)	.94 (24)	4.37 (111)	.28 (7)	1.18 (30)
CD21AR-BR	CF21AR-BR	.35 - .63 (9 - 16)						
CD29AA-BR	-	.71 - .98 (18 - 25)	PG 29	1.47 (37.3)	1.14 (29)	-	.31 (8)	1.57 (40)
CD29AR-BR	-	.51 - .79 (13 - 20)						
CD36AA-BR	-	.87 - 1.26 (22 - 32)	PG 36	1.85 (47)	1.38 (35)	-	.31 (8)	1.97 (50)
CD36AR-BR	-	.79 - 1.02 (20 - 26)						
CD42AA-BR	-	1.26 - 1.50 (32 - 38)	PG 42	2.13 (54.1)	1.46 (37)	-	.35 (9)	2.24 (57)
CD42AR-BR	-	.98 - 1.22 (25 - 31)						
CD48AA-BR	-	1.46 - 1.73 (37 - 44)	PG 48	2.34 (59.4)	1.50 (38)	-	.39 (10)	2.52 (64)
CD48AR-BR	-	1.14 - 1.38 (29 - 35)						
CD09NA-BR	CF09NA-BR	.16 - .31 (4 - 8)	3/8" NPT	.68 (17.2)	.83 (21)	2.60 (66)	.59 (15)	.67 (17) / .75 (19)
CD09NR-BR	CF09NR-BR	.08 - .24 (2 - 6)	1/2" NPT	.83 (21.1)	.94 (24)	3.46 (88)	.51 (13)	.87 (22) / .94 (24)
CD13NA-BR	CF13NA-BR	.24 - .47 (6 - 12)						
CD13NR-BR	CF13NR-BR	.20 - .35 (5 - 9)	1/2" NPT	.83 (21.1)	.94 (24)	3.89 (99)	.51 (13)	.94 (24)
CD16NA-BR	CF16NA-BR	.39 - .55 (10 - 14)						
CD16NR-BR	CF16NR-BR	.28 - .47 (7-12)	3/4" NPT	1.05 (26.7)	.98 (25)	4.37 (111)	.51 (13)	1.18 (30)
CD21NA-BR	CF21NA-BR	.51 - .71 (13 - 18)						
CD21NR-BR	CF21NR-BR	.35 - .63 (9 - 16)	1" NPT	1.35 (34.3)	1.14 (29)	-	.75 (19)	1.57 (40)
CD29NA-BR	-	.71 - .98 (18 - 25)						
CD29NR-BR	-	.51 - .79 (13 - 20)						
CD12MA-BR	CF12MA-BR	.12 - .26 (3 - 6.5)	M12 X 1.5	.47 (12)	.75 (19)	2.17 (55)	.26 (6.5)	.55 (14)
CD12MR-BR	CF12MR-BR	.08 - .20 (2 - 5)	M16 X 1.5	.63 (16)	.83 (21)	2.60 (66)	.24 (6)	.67 (17) Dome .75 (19) Flex
CD16MA-BR	CF16MA-BR	.16 - .31 (4 - 8)						
CD16MR-BR	CF16MR-BR	.08 - .24 (2 - 6)	M16 X 1.5	.63 (16)	.87 (22)	3.03 (77)	.24 (6)	.79 (20)
CD17MA-BR	CF17MA-BR	.20 - .39 (5 - 10)						
CD17MR-BR	CF17MR-BR	.08 - .24 (2 - 6)	M20 X 1.5	.79 (20)	.91 (23)	3.46 (88)	.24 (6)	.87 (22)
CD20MA-BR	CF20MA-BR	.24 - .47 (6 - 12)						
CD20MR-BR	CF20MR-BR	.20 - .35 (5 - 9)	M20 X 1.5	.79 (20)	.94 (24)	3.86 (98)	.24 (6)	.94 (24)
CD22MA-BR	CF22MA-BR	.39 - .55 (10 - 14)						
CD22MR-BR	CF22MR-BR	.28 - .47 (7-12)	M25 X 1.5	.98 (25)	1.02 (26)	4.37 (111)	.28 (7)	1.18 (30)
CD25MA-BR	CF25MA-BR	.51 - .71 (13 - 18)						
CD25MR-BR	CF25MR-BR	.35 - .63 (9 - 16)	M32 X 1.5	1.26 (32)	1.22 (31)	-	.31 (8)	1.57 (40)
CD32MA-BR	-	.71 - .98 (18 - 25)						
CD32MR-BR	-	.51 - .79 (13 - 20)	M40 X 1.5	1.57 (40)	1.46 (37)	-	.31 (8)	1.97 (50)
CD40MA-BR	-	.87 - 1.26 (22 - 32)						
CD40MR-BR	-	.79 - 1.02 (20 - 26)	M50 X 1.5	1.97 (50)	1.46 (37)	-	.35 (9)	2.24 (57)
CD50MA-BR	-	1.26 - 1.50 (32 - 38)						
CD50MR-BR	-	.98 - 1.22 (25 - 31)	M63 X 1.5	2.48 (63)	1.50 (38)	-	.39 (10)	2.52 (64) / 2.68 (68)
CD63MA-BR	-	1.46 - 1.73 (37 - 44)						
CD63MR-BR	-	1.14 - 1.38 (29 - 35)						



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

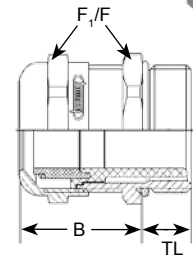
Dome Fittings also available with the following approvals:



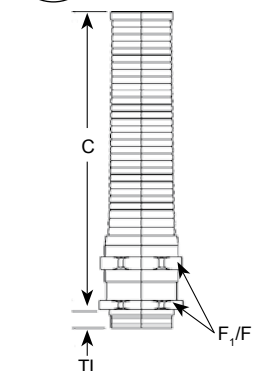
www.SealconEX.com



Includes O-Ring



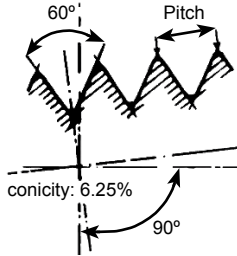
Suggested Clearance Hole for Non-Threaded Mounting



For Material Specifications and Approval Information refer to page 52.

NPT Threads

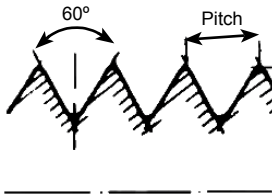
Thread Size	1/4" NPT	3/8" NPT	1/2" NPT	3/4" NPT	1" NPT	1-1/4" NPT	1-1/2" NPT	2" NPT
Major Dia. in Inches (mm)	.54 (13.72)	.675 (17.145)	.84 (21.336)	1.05 (26.67)	1.314 (33.40)	1.66 (42.164)	1.90 (48.26)	2.375 (60.325)
Pitch in Inches (mm)	.056 (1.41)	.056 (1.411)	.071 (1.814)	.071 (1.814)	.087 (2.208)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

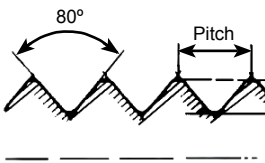
Thread Size	M6	M8	M10	M12	M16	M20	M25	M32	M40	M50	M63
Major Dia. in Inches (mm)	.24 (6)	.31 (8)	.39 (10)	.47 (12)	.63 (16)	.79 (20)	.98 (25)	1.26 (32)	1.57 (40)	1.97 (50)	2.48 (63)
Pitch in Inches (mm)	.04 (1)	.05 (1.25)	.06 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)	.059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



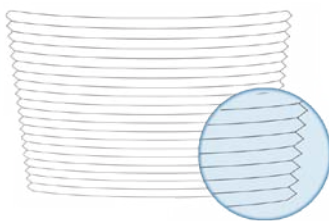
- World-wide most commonly used type thread
- Characterized by its major diameter and its pitch
- Designated by the letter M followed by the value of the nominal diameter and the pitch, both expressed in millimeters and separated by the multiplication sign 'x' (i.e. M12 x 1.5)

PG Threads

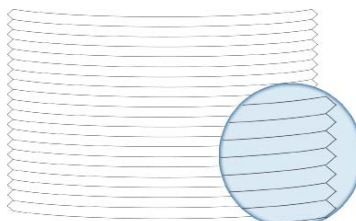
Thread Size	PG 7	PG 9	PG 11	PG 13 / 13.5	PG 16	PG 21	PG 29	PG 36	PG 42	PG 48
Major Dia. in Inches (mm)	.49 (12.5)	.60 (15.2)	.73 (18.6)	.80 (20.4)	.89 (22.5)	1.11 (28.3)	1.46 (37)	1.85 (47)	2.13 (54)	2.39 (59.3)
Pitch in Inches (mm)	.05 (1.27)	.056 (1.41)	.056 (1.41)	.056 (1.41)	.056 (1.41)	.062 (1.59)	.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)



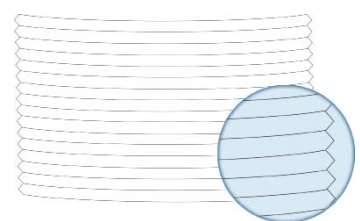
- PG Thread = Panzer-Gewinde (also Panzer-Rohr-Gewinde)
- German thread type
- Depth of thread smaller than NPT or Metric, but larger flank angle
- Straight thread



NPT Threads
(Tapered)



Metric Threads
(Straight)



PG Threads
(Straight)