

Nylon Liquid Tight Strain Relief Fittings

90° Snap Elbow - PG / NPT / Metric Threads



Nylon Strain Relief

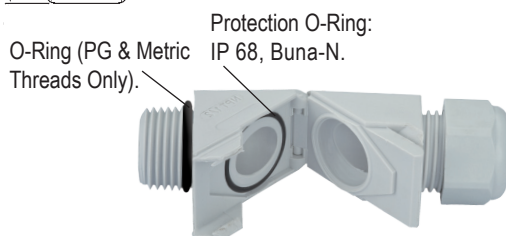
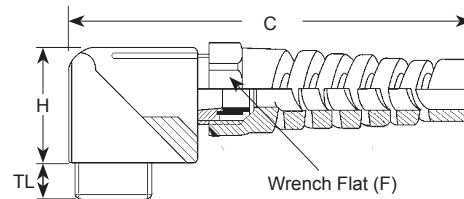
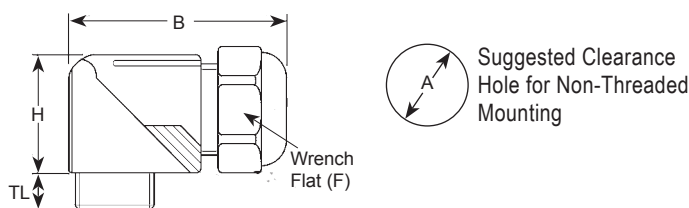


Part Numbers				Cable Range	Thread Type & Size	Dimensions in Inches (mm)						
-40°F to 212°F (-40°C to 100°C)						Inches (mm)	See Page 56 for thread specs	A	B	C	H	TL
Dome Fittings		Flex Fittings		Clearance Hole	Body Length (Dome)			Body Length (Flex)	Height	Thread Length	Wrench Flats	
ED09AA-BK	ED09AA-GY	EF09AA-BK	EF09AA-GY	.16 - .31 (4 - 8)	PG 9	.60 (15.2)	1.77 (45)	3.35 (85)	.91 (23)	.31 (8)	.75 (19)	
ED09AR-BK	ED09AR-GY	EF09AR-BK	EF09AR-GY	.08 - .24 (2 - 6)								
ED11AA-BK	ED11AA-GY	EF11AA-BK	EF11AA-GY	.20 - .39 (5 - 10)	PG11	.73 (18.5)	1.97 (50)	4.05 (103)	1.06 (27)	.31 (8)	.87 (22)	
ED11AR-BK	ED11AR-GY	EF11AR-BK	EF11AR-GY	.11 - .28 (3 - 7)								
ED13AA-BK	ED13AA-GY	EF13AA-BK	EF13AA-GY	.24 - .47 (6 - 12)	PG 13 / 13.5	.80 (20.3)	2.24 (57)	4.69 (119)	1.20 (30.5)	.35 (9)	.94 (24)	
ED13AR-BK	ED13AR-GY	EF13AR-BK	EF13AR-GY	.20 - .35 (5 - 9)								
ED16AA-BK	ED16AA-GY	EF16AA-BK	EF16AA-GY	.39 - .55 (10 - 14)	PG 16	.89 (22.5)	2.32 (59)	5.12 (130)	1.28 (32.5)	.39 (10)	1.06 (27)	
ED16AR-BK	ED16AR-GY	EF16AR-BK	EF16AR-GY	.28 - .47 (7-12)								
ED21AA-BK	ED21AA-GY	EF21AA-BK	EF21AA-GY	.51 - .71 (13 - 18)	PG 21	1.12 (28.4)	2.87 (73)	6.14 (156)	1.57 (40)	.43 (11)	1.30 (33)	
ED21AR-BK	ED21AR-GY	EF21AR-BK	EF21AR-GY	.35 - .63 (9 - 16)								
ED29AA-BK	ED29AA-GY	-	-	.71 - .98 (18 - 25)	PG 29	1.47 (37.3)	3.58 (91)	-	2.03 (51.5)	.43 (11)	1.65 (42)	
ED29AR-BK	ED29AR-GY	-	-	.51 - .79 (13 - 20)								
ED09NA-BK	ED09NA-GY	EF09NA-BK	EF09NA-GY	.16 - .31 (4 - 8)	3/8" NPT	.68 (17.2)	1.77 (45)	3.35 (85)	.91 (23)	.59 (15)	.75 (19)	
ED09NR-BK	ED09NR-GY	EF09NR-BK	EF09NR-GY	.08 - .24 (2 - 6)								
ED13NA-BK	ED13NA-GY	EF13NA-BK	EF13NA-GY	.24 - .47 (6 - 12)	1/2" NPT	.83 (21.1)	2.24 (57)	4.69 (119)	1.20 (30.5)	.51 (13)	.94 (24)	
ED13NR-BK	ED13NR-GY	EF13NR-BK	EF13NR-GY	.20 - .35 (5 - 9)								
ED16NA-BK	ED16NA-GY	EF16NA-BK	EF16NA-GY	.39 - .55 (10 - 14)	1/2" -E NPT	.83 (21.1)	2.32 (59)	5.12 (130)	1.28 (32.5)	.51 (13)	1.06 (27)	
ED16NR-BK	ED16NR-GY	EF16NR-BK	EF16NR-GY	.28 - .47 (7-12)								
ED21NA-BK	ED21NA-GY	EF21NA-BK	EF21NA-GY	.51 - .71 (13 - 18)	3/4" NPT	1.05 (26.7)	2.87 (73)	6.14 (156)	1.57 (40)	.51 (13)	1.30 (33)	
ED21NR-BK	ED21NR-GY	EF21NR-BK	EF21NR-GY	.35 - .63 (9 - 16)								
ED29NA-BK	ED29NA-GY	-	-	.71 - .98 (18 - 25)	1" NPT	1.35 (34.3)	3.58 (91)	-	2.03 (51.5)	.75 (19)	1.65 (42)	
ED29NR-BK	ED29NR-GY	-	-	.51 - .79 (13 - 20)								
ED16MA-BK	ED16MA-GY	EF16MA-BK	EF16MA-GY	.16 - .31 (4 - 8)	M16 X 1.5	.63 (16)	1.77 (45)	3.35 (85)	.91 (23)	.31 (8)	.75 (19)	
ED16MR-BK	ED16MR-GY	EF16MR-BK	EF16MR-GY	.08 - .24 (2 - 6)								
ED20MA-BK	ED20MA-GY	EF20MA-BK	EF20MA-GY	.24 - .47 (6 - 12)	M20 X 1.5	.79 (20)	2.24 (57)	4.69 (119)	1.20 (30.5)	.35 (9)	.94 (24)	
ED20MR-BK	ED20MR-GY	EF20MR-BK	EF20MR-GY	.20 - .35 (5 - 9)								
ED25MA-BK	ED25MA-GY	EF25MA-BK	EF25MA-GY	.51 - .71 (13 - 18)	M25 X 1.5	.98 (25)	2.87 (73)	6.14 (156)	1.57 (40)	.43 (11)	1.30 (33)	
ED25MR-BK	ED25MR-GY	EF25MR-BK	EF25MR-GY	.35 - .63 (9 - 16)								
ED32MA-BK	ED32MA-GY	-	-	.71 - .98 (18 - 25)	M32 X 1.5	1.26 (32)	3.58 (91)	-	2.03 (51.5)	.43 (11)	1.65 (42)	
ED32MR-BK	ED32MR-GY	-	-	.51 - .79 (13 - 20)								

*Metric and PG thread elbows include an O-Ring

*Note: VDE rating applies to Metric Dome Fittings only.

Liquid Tight Elbow Strain Relief Fitting for space and time saving applications.

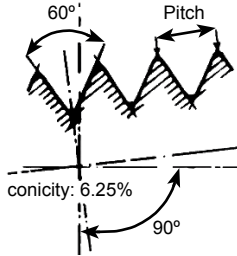


Optional Locking Nuts, O-Rings & Other Accessories starting on Page 29 - 40.

For Material Specifications and Approval Information refer to page 52.

NPT Threads

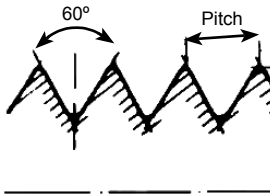
Thread Size	1/4" NPT	3/8" NPT	1/2" NPT	3/4" NPT	1" NPT	1-1/4" NPT	1-1/2" NPT	2" NPT
Major Dia. in Inches (mm)	.54 (13.72)	.675 (17.145)	.84 (21.336)	1.05 (26.67)	1.314 (33.40)	1.66 (42.164)	1.90 (48.26)	2.375 (60.325)
Pitch in Inches (mm)	.056 (1.41)	.056 (1.411)	.071 (1.814)	.071 (1.814)	.087 (2.208)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

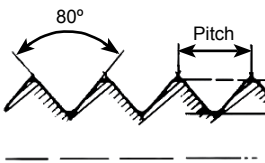
Thread Size	M6	M8	M10	M12	M16	M20	M25	M32	M40	M50	M63
Major Dia. in Inches (mm)	.24 (6)	.31 (8)	.39 (10)	.47 (12)	.63 (16)	.79 (20)	.98 (25)	1.26 (32)	1.57 (40)	1.97 (50)	2.48 (63)
Pitch in Inches (mm)	.04 (1)	.05 (1.25)	.06 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)	.059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



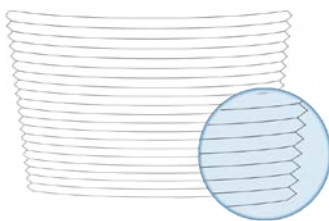
- World-wide most commonly used type thread
- Characterized by its major diameter and its pitch
- Designated by the letter M followed by the value of the nominal diameter and the pitch, both expressed in millimeters and separated by the multiplication sign 'x' (i.e. M12 x 1.5)

PG Threads

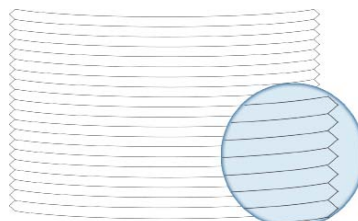
Thread Size	PG 7	PG 9	PG 11	PG 13 / 13.5	PG 16	PG 21	PG 29	PG 36	PG 42	PG 48
Major Dia. in Inches (mm)	.49 (12.5)	.60 (15.2)	.73 (18.6)	.80 (20.4)	.89 (22.5)	1.11 (28.3)	1.46 (37)	1.85 (47)	2.13 (54)	2.39 (59.3)
Pitch in Inches (mm)	.05 (1.27)	.056 (1.41)	.056 (1.41)	.056 (1.41)	.056 (1.41)	.062 (1.59)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



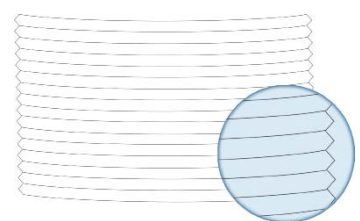
- PG Thread = Panzer-Gewinde (also Panzer-Rohr-Gewinde)
- German thread type
- Depth of thread smaller than NPT or Metric, but larger flank angle
- Straight thread



NPT Threads
(Tapered)



Metric Threads
(Straight)



PG Threads
(Straight)