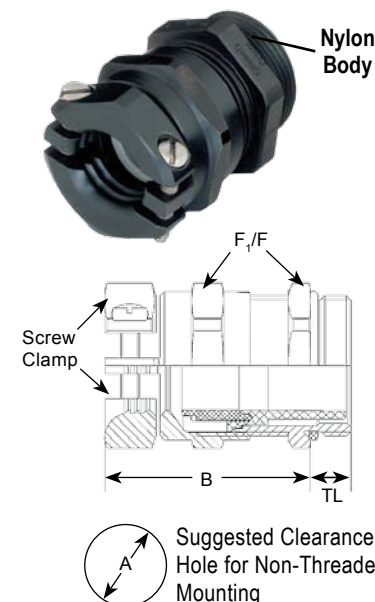





**Liquid Tight Strain Relief Fitting
with Anodized Aluminum Clamp for
Extra Pull-out Resistance!**






*Clamp Fitting includes Buna-N O-Ring

Nylon Strain Relief

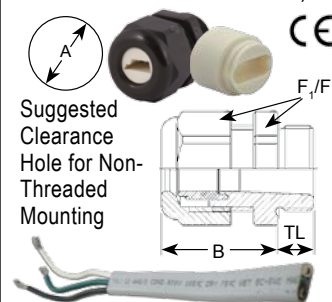
Extra Pull-Out Resistant Strain Relief Fittings with Clamp						
Part Numbers	Cable Range	Thread Type & Size	Dimensions in Inches (mm)			
			A	B	TL	F ₁ /F
 -4°F to 158°F (-20°C to 70°C)	Inches (mm)	See page 56 for thread specs	Clearance Hole	Body Length	Thread Length	Wrench Flats
			+ .01" (+.25 mm)			
CD09AA-CP	.16 - .31 (4 - 8)	PG 9	.60 (15.2)	1.14 (29)	.59 (15)	.75 (19)
CD11AA-CP	.24 - .39 (6 - 10)	PG 11	.73 (18.5)	1.28 (32.5)	.59 (15)	.87 (22)
CD13AA-CP	.24 - .47 (6 - 12)	PG 13 / 13.5	.80 (20.3)	1.40 (35.5)	.59 (15)	.94 (24)
CD16AA-CP	.39 - .55 (10 - 14)	PG 16	.89 (22.5)	1.48 (37.5)	.39 (10)	1.06 (27)
CD21AA-CP	.51 - .71 (13 - 18)	PG 21	1.12 (28.4)	1.61 (41)	.43 (11)	1.30 (33)
CD29AA-CP	.71 - .98 (18-25)	PG 29	1.47 (37.3)	1.93 (49)	.43 (11)	1.65 (42)
CD36AA-CP	.87 - 1.26 (22 - 32)	PG 36	1.85 (47)	2.28 (58)	.51 (13)	2.09 (53)
CD42AA-CP	1.26 - 1.50 (32 - 38)	PG 42	2.13 (54.1)	2.42 (61.5)	.51 (13)	2.36 (60)
CD48AA-CP	1.46 - 1.73 (37 - 44)	PG 48	2.34 (59.4)	2.44 (62)	.55 (14)	2.56 (65)
CD16MA-CP	.16 - .31 (4 - 8)	M16 X 1.5	.63 (16)	1.14 (29)	.59 (15)	.75 (19)
CD20MA-CP	.24 - .47 (6 - 12)	M20 X 1.5	.79 (20)	1.40 (35.5)	.59 (15)	.94 (24)
CD25MA-CP	.51 - .71 (13 - 18)	M25 X 1.5	.98 (25)	1.61 (41)	.43 (11)	1.30 (33)
CD32MA-CP	.71 - .98 (18-25)	M32 X 1.5	1.26 (32)	1.93 (49)	.43 (11)	1.65 (42)
CD40MA-CP	.87 - 1.26 (22 - 32)	M40 X 1.5	1.57 (40)	2.28 (58)	.51 (13)	2.09 (53)
CD50MA-CP	1.26 - 1.50 (32 - 38)	M50 X 1.5	1.97 (50)	2.42 (61.5)	.51 (13)	2.36 (60)
CD63MA-CP	1.46 - 1.73 (37 - 44)	M63 X 1.5	2.48 (63)	2.44 (62)	.55 (14)	2.56 (65) / 2.68 (68)

Romex® fittings are also available in
PG 29, PG 36, PG 42, PG 48, 1/4", 1/2", M32, M40, M50, M63.

Nylon Liquid Tight Strain Relief Fittings ROMEX® - PG / NPT / Metric Threads

Romex® Strain Relief Fittings for Flat Cable									
Part Numbers	Slot Size	Thread Type & Size	Dimensions in Inches (mm)						
			A	B	TL	F ₁ /F			
   -40°F to 212°F (-40°C to 100°C)	Inches (mm)	See page 56 for thread specs	Clearance Hole	Body Length	Thread Length	Wrench Flats			
			+ .01" (+.25 mm)						
CD13AS-A1*	-	CD13AS-B1	.17 x .41 (4.2 x 10.4)	PG 13 / 13.5	.80 (20.3)	1.06 (27)	.35 (9)	.94 (24)	
CD16AS-01	CD16AS-02	CD16AS-B1	.24 x .55 (6 x 14)	PG 16	.89 (22.5)	1.10 (28)	.39 (10)	1.06 (27)	
CD16AS-03	CD16AS-04	CD16AS-B3	.20 x .45 (5 x 11.5)		.89 (22.5)	1.10 (28)	.39 (10)	1.06 (27)	
CD16AS-05	CD16AS-06	CD16AS-B2	.28 x .47 (7 x 12)		.89 (22.5)	1.10 (28)	.39 (10)	1.06 (27)	
CD21AS-01	CD21AS-02	CD21AS-B1	.24 x .55 (6 x 14)	PG 21	1.12 (28.4)	1.22 (31)	.43 (11)	1.30 (33)	
CD21AS-03	CD21AS-04	CD21AS-B2	.28 x .55 (7 x 14)		1.12 (28.4)	1.22 (31)	.43 (11)	1.30 (33)	
CD13NS-A1*	-	CD13NS-B1	.17 x .41 (4.2 x 10.4)	1/2" - E NPT	.83 (21.1)	1.06 (27)	.51 (13)	.94 (24)	
CD16NS-01	CD16NS-02	CD16NS-B1	.24 x .55 (6 x 14)		.83 (21.1)	1.10 (28)	.51 (13)	1.06 (27)	
CD16NS-03	CD16NS-04	CD16NS-B3	.20 x .45 (5 x 11.5)		.83 (21.1)	1.10 (28)	.51 (13)	1.06 (27)	
CD16NS-05	CD16NS-06	CD16NS-B2	.28 x .47 (7 x 12)		.83 (21.1)	1.10 (28)	.51 (13)	1.06 (27)	
CD21NS-01	CD21NS-02	CD21NS-B1	.24 x .55 (6 x 14)		3/4" NPT	1.05 (26.7)	1.22 (31)	.55 (14)	1.30 (33)
CD21NS-03	CD21NS-04	CD21NS-B2	.28 x .55 (7 x 14)	1.05 (26.7)		1.22 (31)	.55 (14)	1.30 (33)	
CD29NS-01	-	CD29NS-B1	.31 x .87 (8 x 22)	1" NPT	1.35 (34.3)	1.54 (39)	.75 (19)	1.65 (42)	
CD20MS-A1*	-	-	.17 x .41 (4.2 x 10.4)	-	.79 (20)	1.06 (27)	.35 (9)	.94 (24)	
CD20MS-01	CD20MS-02	CD20MS-B1	.24 x .55 (6 x 14)		M20 X 1.5	.79 (20)	1.10 (28)	.35 (9)	1.06 (27)
CD20MS-03	CD20MS-04	CD20MS-B3	.20 x .45 (5 x 11.5)			.79 (20)	1.10 (28)	.35 (9)	1.06 (27)
CD20MS-05	CD20MS-06	CD20MS-B2	.28 x .47 (7 x 12)	M25 X 1.5	.98 (25)	1.22 (31)	.43 (11)	1.30 (33)	
CD25MS-01	CD25MS-02	CD25MS-B1	.24 x .55 (6 x 14)		.98 (25)	1.22 (31)	.43 (11)	1.30 (33)	
CD25MS-03	CD25MS-04	CD25MS-B2	.28 x .55 (7 x 14)			.98 (25)	1.22 (31)	.43 (11)	1.30 (33)

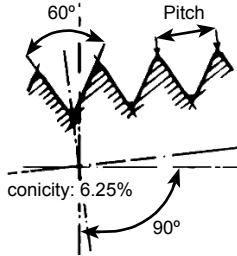
Strain Relief Fittings with Inserts for Flat Cables and ASI-BUS Cables. These form seals are also available with Strain Relief Fittings made of other materials. (Nickel Plated Brass, Stainless Steel, etc.). UL pertains to the standard body, not including FLAKA (Romex®) Insert. FLAKA (for Romex style cable) HSK-K 1/2"-E are UL listed. To meet UL, only Romex style cable (flat top and bottom) can be used with this style Strain Relief (no Zip Cable, no Ribbon cable, etc.).



* UL f1 rating applies to Black Nylon Fittings only.
* Insert for ASI-BUS Cables
Romex® is a federally registered trademark of Southwire Company.

NPT Threads

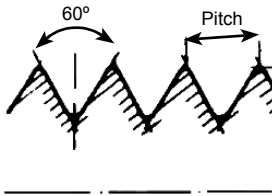
Thread Size	1/4" NPT	3/8" NPT	1/2" NPT	3/4" NPT	1" NPT	1-1/4" NPT	1-1/2" NPT	2" NPT
Major Dia. in Inches (mm)	.54 (13.72)	.675 (17.145)	.84 (21.336)	1.05 (26.67)	1.314 (33.40)	1.66 (42.164)	1.90 (48.26)	2.375 (60.325)
Pitch in Inches (mm)	.056 (1.41)	.056 (1.411)	.071 (1.814)	.071 (1.814)	.087 (2.208)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

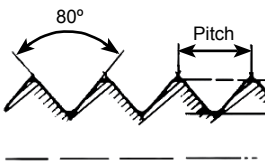
Thread Size	M6	M8	M10	M12	M16	M20	M25	M32	M40	M50	M63
Major Dia. in Inches (mm)	.24 (6)	.31 (8)	.39 (10)	.47 (12)	.63 (16)	.79 (20)	.98 (25)	1.26 (32)	1.57 (40)	1.97 (50)	2.48 (63)
Pitch in Inches (mm)	.04 (1)	.05 (1.25)	.06 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)	.059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



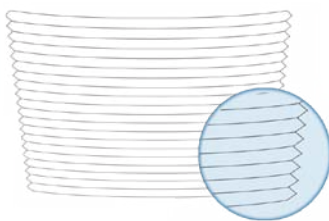
- World-wide most commonly used type thread
- Characterized by its major diameter and its pitch
- Designated by the letter M followed by the value of the nominal diameter and the pitch, both expressed in millimeters and separated by the multiplication sign 'x' (i.e. M12 x 1.5)

PG Threads

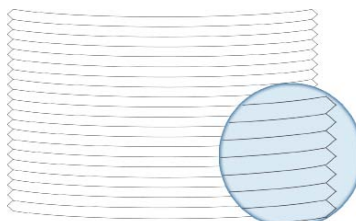
Thread Size	PG 7	PG 9	PG 11	PG 13 / 13.5	PG 16	PG 21	PG 29	PG 36	PG 42	PG 48
Major Dia. in Inches (mm)	.49 (12.5)	.60 (15.2)	.73 (18.6)	.80 (20.4)	.89 (22.5)	1.11 (28.3)	1.46 (37)	1.85 (47)	2.13 (54)	2.39 (59.3)
Pitch in Inches (mm)	.05 (1.27)	.056 (1.41)	.056 (1.41)	.056 (1.41)	.056 (1.41)	.062 (1.59)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



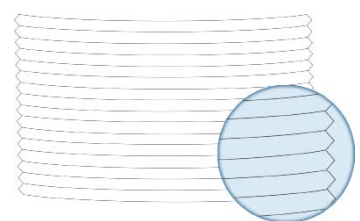
- PG Thread = Panzer-Gewinde (also Panzer-Rohr-Gewinde)
- German thread type
- Depth of thread smaller than NPT or Metric, but larger flank angle
- Straight thread



NPT Threads
(Tapered)



Metric Threads
(Straight)



PG Threads
(Straight)