

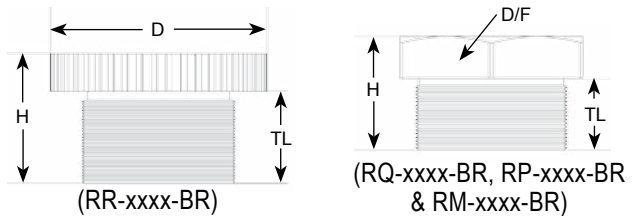
Is your thread size off by one size?


These Reducers will solve that threading problem. They convert holes which fit PG, NPT or Metric threads to a smaller female thread of the same thread type.


Operating Temperature:



-40°C to 100°C (-40°F to 212°F)

(Hex Nickel Plated Brass Reducers with Buna-N O-Ring)



Thread Reducers: Metric to Metric Threads*						
Part Numbers	Threads		Dimensions in Inches (mm)			
	Male Thread A	Female Thread B	D	TL	H	
			Outer Diameter	Thread Length	Height	
						
RR-1612-BR	M16 x 1.5	M12 x 1.5	.71 (18)	.24 (6)	.33 (8.5)	
RR-2012-BR	M20 x 1.5	M12 x 1.5	.94 (24)	.26 (6.5)	.35 (9)	
RR-2016-BR	M20 x 1.5	M16 x 1.5	.94 (24)	.26 (6.5)	.35 (9)	
RR-2516-BR	M25 x 1.5	M16 x 1.5	1.18 (30)	.28 (7)	.39 (10)	
RR-2520-BR	M25 x 1.5	M20 x 1.5	1.18 (30)	.28 (7)	.39 (10)	
RR-3220-BR	M32 x 1.5	M20 x 1.5	1.54 (39)	.31 (8)	.45 (11.5)	
RR-3225-BR	M32 x 1.5	M25 x 1.5	1.54 (39)	.31 (8)	.45 (11.5)	
RR-4025-BR	M40 x 1.5	M25 x 1.5	1.69 (43)	.31 (8)	.45 (11.5)	
RR-4032-BR	M40 x 1.5	M32 x 1.5	1.69 (43)	.35 (9)	.49 (12.5)	
RR-5032-BR	M50 x 1.5	M32 x 1.5	2.24 (57)	.39 (10)	.55 (14)	
RR-5040-BR	M50 x 1.5	M40 x 1.5	2.24 (57)	.39 (10)	.55 (14)	
RR-6340-BR	M63 x 1.5	M40 x 1.5	2.52 (64)	.39 (10)	.55 (14)	
RR-6350-BR	M63 x 1.5	M50 x 1.5	2.52 (64)	.39 (10)	.55 (14)	


Thread Reducers: PG to PG Threads						
Part Numbers	Threads		Dimensions in Inches (mm)			
	Male Thread A	Female Thread B	D	TL	H	
			Outer Diameter	Thread Length	Height	
						
RR-0907-BR	PG 9	PG 7	.67 (17)	.24 (6)	.33 (8.5)	
RR-1107-BR	PG 11	PG 7	.79 (20)	.24 (6)	.33 (8.5)	
RR-1109-BR	PG 11	PG 9	.79 (20)	.24 (6)	.33 (8.5)	
RR-1309-BR	PG 13/13.5	PG 9	.87 (22)	.26 (6.5)	.35 (9)	
RR-1311-BR	PG 13/13.5	PG 11	.87 (22)	.26 (6.5)	.35 (9)	
RR-1609-BR	PG 16	PG 9	.94 (24)	.26 (6.5)	.37 (9.5)	
RR-1611-BR	PG 16	PG 11	.94 (24)	.26 (6.5)	.37 (9.5)	
RR-1613-BR	PG 16	PG 13/13.5	.94 (24)	.26 (6.5)	.37 (9.5)	
RR-2111-BR	PG 21	PG 11	1.18 (30)	.28 (7)	.39 (10)	
RR-2113-BR	PG 21	PG 13/13.5	1.18 (30)	.28 (7)	.39 (10)	
RR-2116-BR	PG 21	PG 16	1.18 (30)	.28 (7)	.39 (10)	
RR-2916-BR	PG 29	PG 16	1.54 (39)	.31 (8)	.45 (11.5)	
RR-2921-BR	PG 29	PG 21	1.54 (39)	.31 (8)	.45 (11.5)	
RR-3621-BR	PG 36	PG 21	1.97 (50)	.35 (9)	.49 (12.5)	
RR-3629-BR	PG 36	PG 29	1.97 (50)	.35 (9)	.49 (12.5)	
RR-4229-BR	PG 42	PG 29	2.24 (57)	.39 (10)	.55 (14)	
RR-4236-BR	PG 42	PG 36	2.24 (57)	.39 (10)	.55 (14)	
RR-4836-BR	PG 48	PG 36	2.52 (64)	.39 (10)	.55 (14)	
RR-4842-BR	PG 48	PG 42	2.52 (64)	.39 (10)	.55 (14)	

Thread Reducers: PG to PG Threads						
Part Numbers		Threads		Dimensions in Inches (mm)		
		Male Thread A	Female Thread B	F	TL	H
				Wrench Flat	Thread Length	Height
RQ-0907-BR	RP-0907-BR	PG 9	PG 7	.67 (17)	.24 (6)	.34 (8.8)
RQ-1107-BR	RP-1107-BR	PG 11	PG 7	.79 (20)	.24 (6)	.35 (9)
RQ-1109-BR	RP-1109-BR	PG 11	PG 9	.79 (20)	.24 (6)	.35 (9)
RQ-1309-BR	RP-1309-BR	PG 13/13.5	PG 9	.87 (22)	.26 (6.5)	.37 (9.5)
RQ-1311-BR	RP-1311-BR	PG 13/13.5	PG 11	.87 (22)	.26 (6.5)	.37 (9.5)
RQ-1609-BR	RP-1609-BR	PG 16	PG 9	.94 (24)	.26 (6.5)	.37 (9.5)
RQ-1611-BR	RP-1611-BR	PG 16	PG 11	.94 (24)	.26 (6.5)	.37 (9.5)
RQ-1613-BR	RP-1613-BR	PG 16	PG 13/13.5	.94 (24)	.26 (6.5)	.37 (9.5)
RQ-2111-BR	RP-2111-BR	PG 21	PG 11	1.18 (30)	.28 (7)	.41 (10.3)
RQ-2113-BR	RP-2113-BR	PG 21	PG 13/13.5	1.18 (30)	.28 (7)	.41 (10.3)
RQ-2116-BR	RP-2116-BR	PG 21	PG 16	1.18 (30)	.28 (7)	.41 (10.3)
RQ-2916-BR	RP-2916-BR	PG 29	PG 16	1.57 (40)	.31 (8)	.45 (11.5)
RQ-2921-BR	RP-2921-BR	PG 29	PG 21	1.57 (40)	.31 (8)	.45 (11.5)
RQ-3621-BR	RP-3621-BR	PG 36	PG 21	1.97 (50)	.35 (9)	.49 (12.5)
RQ-3629-BR	RP-3629-BR	PG 36	PG 29	1.97 (50)	.35 (9)	.49 (12.5)
RQ-4229-BR	RP-4229-BR	PG 42	PG 29	2.24 (57)	.39 (10)	.53 (13.5)
RQ-4236-BR	RP-4236-BR	PG 42	PG 36	2.24 (57)	.39 (10)	.53 (13.5)
RQ-4836-BR	RP-4836-BR	PG 48	PG 36	2.52 (64)	.39 (10)	.53 (13.5)
RQ-4842-BR	RP-4842-BR	PG 48	PG 42	2.52 (64)	.39 (10)	.53 (13.5)


Reducers are also available with the following approvals:



www.SealconEX.com

Thread Reducers: Metric to Metric Threads						
Part Numbers	Threads		Dimensions in Inches (mm)			
	Male Thread A	Female Thread B	F	TL	H	
			Wrench Flat	Thread Length	Height	
						
RM-1612-BR	M16 x 1.5	M12 x 1.5	.67 (17)	.20 (5)	.31 (8)	
RM-2012-BR	M20 x 1.5	M12 x 1.5	.87 (22)	.24 (6)	.35 (9)	
RM-2016-BR	M20 x 1.5	M16 x 1.5	.87 (22)	.24 (6)	.35 (9)	
RM-2516-BR	M25 x 1.5	M16 x 1.5	1.06 (27)	.28 (7)	.39 (10)	
RM-2520-BR	M25 x 1.5	M20 x 1.5	1.06 (27)	.28 (7)	.39 (10)	
RM-3216-BR	M32 x 1.5	M16 x 1.5	1.34 (34)	.31 (8)	.43 (11)	
RM-3220-BR	M32 x 1.5	M20 x 1.5	1.34 (34)	.31 (8)	.43 (11)	
RM-3225-BR	M32 x 1.5	M25 x 1.5	1.34 (34)	.31 (8)	.43 (11)	
RM-4020-BR	M40 x 1.5	M20 x 1.5	1.46 (43)	.31 (8)	.47 (12)	
RM-4025-BR	M40 x 1.5	M25 x 1.5	1.46 (43)	.31 (8)	.47 (12)	
RM-4032-BR	M40 x 1.5	M32 x 1.5	1.46 (43)	.31 (8)	.47 (12)	
RM-5025-BR	M50 x 1.5	M25 x 1.5	2.17 (55)	.35 (9)	.51 (13)	
RM-5032-BR	M50 x 1.5	M32 x 1.5	2.17 (55)	.35 (9)	.51 (13)	
RM-5040-BR	M50 x 1.5	M40 x 1.5	2.17 (55)	.35 (9)	.51 (13)	
RM-6332-BR	M63 x 1.5	M32 x 1.5	2.56 (65)	.39 (10)	.55 (14)	
RM-6340-BR	M63 x 1.5	M40 x 1.5	2.56 (65)	.39 (10)	.55 (14)	
RM-6350-BR	M63 x 1.5	M50 x 1.5	2.56 (65)	.39 (10)	.55 (14)	

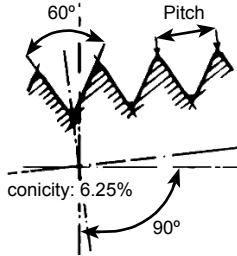
\*German Lloyd Approval applies to Hex Reducers

Thread Reducers: NPT to NPT Threads						
Part Numbers	Threads		Dimensions in Inches (mm)			
	Male Thread A	Female Thread B	F	TL	H	
			Wrench Flat	Thread Length	Height	
						
RN-3412-BR*	3/4" NPT	1/2" NPT	1.18 (30)	.71 (18)	.87 (22)	
RN-1034-BR*	1" NPT	3/4" NPT	1.30 (33)	.98 (25)	1.14 (29)	
RN-5410-BR*	1-1/4" NPT	1" NPT	1.69 (43)	.98 (25)	1.14 (29)	

See page 56 for thread specifications.

### NPT Threads

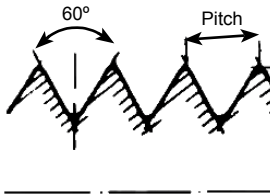
Thread Size	1/4" NPT	3/8" NPT	1/2" NPT	3/4" NPT	1" NPT	1-1/4" NPT	1-1/2" NPT	2" NPT
Major Dia. in Inches (mm)	.54 (13.72)	.675 (17.145)	.84 (21.336)	1.05 (26.67)	1.314 (33.40)	1.66 (42.164)	1.90 (48.26)	2.375 (60.325)
Pitch in Inches (mm)	.056 (1.41)	.056 (1.411)	.071 (1.814)	.071 (1.814)	.087 (2.208)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

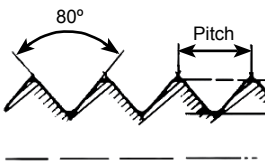
Thread Size	M6	M8	M10	M12	M16	M20	M25	M32	M40	M50	M63
Major Dia. in Inches (mm)	.24 (6)	.31 (8)	.39 (10)	.47 (12)	.63 (16)	.79 (20)	.98 (25)	1.26 (32)	1.57 (40)	1.97 (50)	2.48 (63)
Pitch in Inches (mm)	.04 (1)	.05 (1.25)	.06 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)	.059 (1.5)	.059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



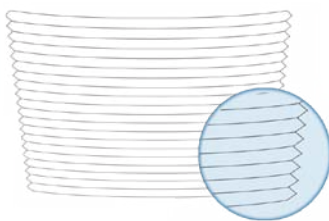
- World-wide most commonly used type thread
- Characterized by its major diameter and its pitch
- Designated by the letter M followed by the value of the nominal diameter and the pitch, both expressed in millimeters and separated by the multiplication sign 'x' (i.e. M12 x 1.5)

### PG Threads

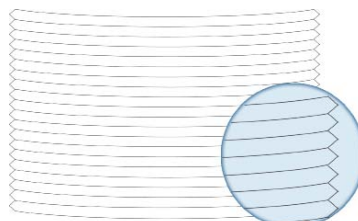
Thread Size	PG 7	PG 9	PG 11	PG 13 / 13.5	PG 16	PG 21	PG 29	PG 36	PG 42	PG 48
Major Dia. in Inches (mm)	.49 (12.5)	.60 (15.2)	.73 (18.6)	.80 (20.4)	.89 (22.5)	1.11 (28.3)	1.46 (37)	1.85 (47)	2.13 (54)	2.39 (59.3)
Pitch in Inches (mm)	.05 (1.27)	.056 (1.41)	.056 (1.41)	.056 (1.41)	.056 (1.41)	.062 (1.59)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



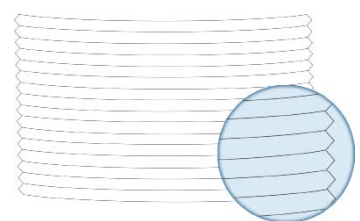
- PG Thread = Panzer-Gewinde (also Panzer-Rohr-Gewinde)
- German thread type
- Depth of thread smaller than NPT or Metric, but larger flank angle
- Straight thread



**NPT Threads**  
(Tapered)



**Metric Threads**  
(Straight)



**PG Threads**  
(Straight)