

Thermocouple Components

METAL PROTECTING TUBES

Material	Inconel		Resistat (446 S.S.)			
	Tube O.D. in. (mm)	.840 (21,3)	1.315 (33,4)	.840 (21,3)	1.315 (33,4)	1 (25,4)
Tube I.D. in. (mm)	.622 (15,8)	1.049 (26,6)	.622 (15,8)	1.049 (26,6)	.562 (13,2)	.375 (9,5)
Max. Temp. (Oxidizing) °F (°C)	2200 (1204)	2200 (1204)	1800 (982)	1800 (982)	1800 (982)	1800 (982)
Max. Temp. (Reducing) °F (°C)	2200 (1204)	2200 (1204)	1800 (982)	1800 (982)	1800 (982)	1800 (982)
Head Thread in. (mm)	1/2 (12,7)	1 (25,4)	1/2 (12,7)	1 (25,4)	1/2 (12,7)	1 (25,4)
For use with T/C Gage	8	8	8	8	8	14
Part Number	30351440-	30357727-	30352649-	30355841-	30006993-	30006994-
12" Length						
Additional 6" Increments						
Maximum Length in. (mm)	60 (1524)	60 (1524)	60 (1524)	36 (914)	30 (762)	24 (610)

Material	Carbon Steel	304 St. St.	316 St. St.	Carbon Steel		
	Tube O.D. in. (mm)	.840 (21,3)	.540 (13,7)	.405 (10,3)	.405 (10,3)	.540 (13,7)
Tube I.D. in. (mm)	.622 (15,8)	.364 (9,2)	.269 (6,8)	.269 (6,8)	.364 (9,2)	.599 (15,2)
Max. Temp. (Oxidizing) °F (°C)	1200 (649)	1800 (982)	1800 (982)	1000 (538)	1000 (538)	1000 (538)
Max. Temp. (Reducing) °F (°C)	1300 (704)	1800 (982)	1800 (982)	1000 (538)	1000 (538)	1000 (538)
Head Thread in. (mm)	1/2 (12,7)	1/4 (6,4)	1/8 (3,2)	1/8 (3,2)	1/4 (6,4)	1 (25,4)
For use with T/C Gage	8	14	20	20	14	8
Part Number (Closed End)	30003957-	30351270-	30351271-	30009405-	30009406-	30357725-
Part Number (Open End)	30071457-	30351274-	-	30071401-	30071402-	-
12" Length						
Additional 6" Increments						
Maximum Length in. (mm)	60 (1524)	60 (1524)	60 (1524)	60 (1524)	60 (1524)	60 (1524)

Material	Nickel			Cast-T
	Tube O.D. in. (mm)	.840 (21,3)	1-1/4 (31,8)	3/4 (19)
Tube I.D. in. (mm)	.622 (15,8)	5/8 (15,9)	3/8 (9,5)	.824 (21)
Max. Temp. (Oxidizing) °F (°C)	1200 (649)	1800 (982)	1800 (982)	2000 (1093)
Max. Temp. (Reducing) °F (°C)	1300 (704)	1800 (982)	1800 (982)	2000 (1093)
Head Thread in. (mm)	1/2 (12,7)	3/4 (19)	3/8 (9,5)	3/4 (19)
For use with T/C Gage	8	8	14	8
Part Number	30009410-	30008507-	30008287-	30071491-
12" Length				
Additional 6" Increments				
Maximum Length in. (mm)	60 (1524)	30 (762)	24 (610)	60 (1524)

METAL PROTECTING TUBES (continued)

Tube Material		Kanthal	Cast Iron
Tube O.D. in. (mm)		.750 (19)	1-5/8 (41,3)
Tube I.D. in. (mm)		.648 (12,2)	7/8 (22,2)
Max. Temp. (Oxidizing) °F (°C)		2300 (1260)	2300 (1260)
Max. Temp. (Reducing) °F (°C)		2300 (1260)	1600 (871)
Head Thread in. (mm)		3/4 (19)	1 (25,4)
For use with T/C Gage		8	8
Part Number		30362975-Item	30042667-Item
Specify	Length in. (mm)		
-001	12 (305)		
-002	18 (457)		
-003	24 (610)		
-004	30 (762)		
-005	36 (914)		
-006	42 (1067)		
-007	48 (1219)		

CERAMIC PROTECTING TUBES

Primary Tubes - No Fitting (9N3)

Material	Sillramic						
Type of Hot End	Closed						
Tube O.D. in. (mm)	0.25 (6,4)	5/16 (8)	7/16 (11,1)	5/8 (15,9)	11/16 (17,5)	7/8 (22,2)	1 (25,4)
Tube I.D. in. (mm)	0.375 (9,5)	1/2 (12,7)	11/16 (17,5)	7/8 (22,2)	15/16 (25,4)	1 1/8 (28,6)	1 1/4 (31,8)
Part Number	30005467	30003914	30003901	30003917	30077795	30003918	30003919
12" Length							
Additional 6" Increments							
Maximum Length in. (mm)	48 (1219)	48 (1219)	48 (1219)	48 (1219)	48 (1219)	48 (1219)	48 (1219)

Primary Tubes - With Fitting - For Noble Metal T/C (9N6)

Tube Material	Sillramic	
Tube O.D. in. (mm)	0.25 (6,4)	15/16 (25,4)
Tube I.D. in. (mm)	0.375 (9,5)	23/64 (9,1)
Head Thread	1/2 (12,7)	1/2 (12,7)
Mounting Thread	1/2 (12,7)	3/4 (19)
Part Number	30014708	30014705
12" Length		
Additional 6" Increments		
Maximum Length in. (mm)	48 (1219)	48 (1219)

Secondary Tubes - No Fitting (9N3)

Tube Material	Mullite			Sill. Carb.
Type of Hot End	Closed			Closed
Tube O.D. in. (mm)	1 (25,4)	1 (25,4)	1-5/8 (41,3)	1 (25,4)
Tube I.D. in. (mm)	2 (51)	3 (76)	3 (76)	1 3/4 (44,5)
Part Number	30042226	30042227	30042228	30003906
12" Length				
Additional 6" Increments				
Maximum Length in. (mm)	36 (914)	36 (914)	36 (914)	36 (914)

Note: Available up to 48 but prices not in accordance with increment schedule.

CERAMIC PROTECTING TUBES (continued)

Tubes with Refractoroy Collars (9N7)

Tube Material	Sillicon Carb.
Type of Hot End	Closed
Tube O.D. in. (mm)	1 (25,4)
Tube I.D. in. (mm)	1 3/4 (44,5)
Collar Diameter	2 1/8 (54)
Part Number	30351533
12" Length	Call FTW
Additional 6" Increments	
Maximum Length in. (mm)	

Collar is at open end of all tubes.