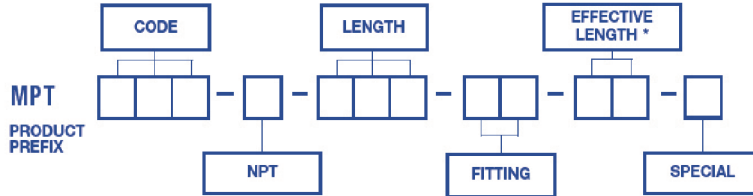




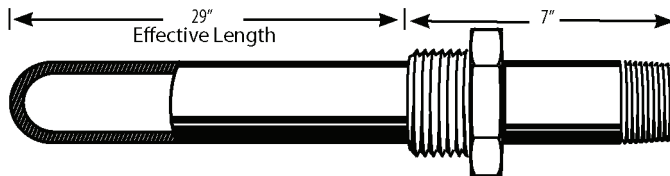
### Metal Protection Tubes (MPT)

- Protects thermocouples from corrosion, physical damage, contamination
- Available in most widely used alloys and pipe sizes



MATERIAL	OPERATING TEMP.	REMARKS	NPT	LENGTH	FITTING	EFFECTIVE LENGTH	SPECIAL
600-600 Inconel 601-601 Inconel	2220°F	Generally used for high temperature. Good corrosion-resistance.	A-1/4" NPT B-1/2" NPT C-3/4" NPT D-1" NPT E-3/4" NPT Tap F-1/8" NPT H-3/8" NPT J-3-1/2" NPT X-1 1/4" NPT	Specify from 000" to 999"	00-None AF-Adjustable Flange C3-3/8" Steel Hex Bushing C2-1/2" Steel Hex Bushing C4-3/4" Steel Hex Bushing C1-1" Steel Hex Bushing C5-1-1/4" Steel Hex Bushing C6-1-1/2" Steel Hex Bushing S3-3/8" St.St. Hex Bushing S2-1/2" St.St. Hex Bushing S4-3/4" St.St. Hex Bushing S1-1" St.St. Hex Bushing S5-1-1/4" St.St. Hex Bushing S6-1-1/2" St.St. Hex Bushing TP-Tapered Plug RF-Raised Face Flange S7-2" NPT SS Bushing C7-2" NPT Steel Bushing FF-Flat Face Flange	Specify from 00" to 99"	0-None B-Open Both Ends H-SCH 80 X-Special (Consult Factory) T-No Threads
304-304 Stainless Steel 309-309 Stainless Steel	1800°F	Good corrosion-resistance. Embrittles in the 900°F to 1450°F range.					
310-310 Stainless Steel	2100°F	High mechanical and creep strength at elevated temperature. Very good corrosion resistance.					
316-316 Stainless Steel	1700°F	Higher corrosion resistance than 304SS. Resists pitting in sulfuric, phosphoric acids.					
330-330 Stainless Steel	2200°F	Good in oxidizing or reducing atmosphere.					
446-446 Stainless Steel	2000°F	Highly resistant to sulfur attack. General purpose alloy.					
200-Pure Nickel	2000°F	Do not use in the presence of sulfur or reducing atmosphere.					
CIT-Cast Iron	1400°F	Withstands sulfuric and caustic solutions. Good mechanical strength.					
LT1-Metal Ceramic	2600°F	Good resistance to mechanical and thermal shock.					
CSP-Carbon Steel Pipe	1000°F	Non-corrosive gases and liquids. Scales quickly at higher temperatures.					

All pipe available in schedule 80. Consult factory for additional information.



Example Ordering Number

MPT - **601** - **B** - **036** - **C5** - **29** - **0**

1/2" NPT x 36" Inconel 601 Protection Tube with 1 1/4" steel bushing for 29" effective