

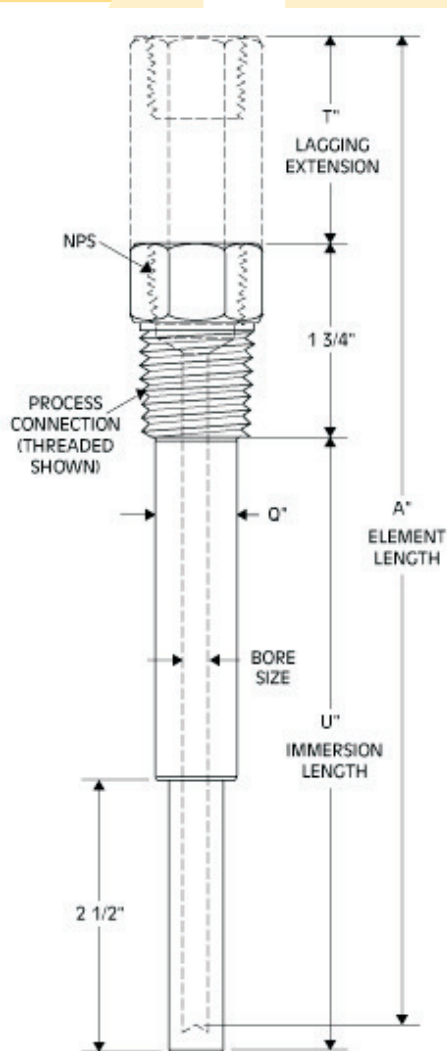


THERMOWELL

INTRODUCTION

A Thermowell is a pressure tight receptacle that protects and extends the life of a temperature sensor in processing applications where the sensor is not mechanically or chemically compatible with the process environment. Installed directly into piping systems, Thermowells facilitate sensor replacement in high pressure pipelines and eliminate the need to interrupt the process flow or drain the process system for system for sensor maintenance functions. The standardized Thermowells permit simple relocation of sensors throughout a plant.

TECHNICAL SPECIFICATIONS OF THERMOWELLS



>Process Connection : Provides means of mounting, supporting and / or sealing the thermowell into the process system

>Threaded Connection : There are various types of threaded connections available as below :

- 1.Threaded :** Standard BSP/NPT's are 1/2", 3/4" & 1"
- 2.Socket Weld :** Standard pipe sizes are 3/8", 3/4", 1/2", 5/8" & 1" nominal.
- 3.Flanged Thermowell :** Large variety of flange sizes and pound ratings available.

>Shank Construction : Available shank constructions are :

- 1.Straight :** The outside diameter is same size along the immersion length.
- 2.Step :** The outside diameter at the end of the well is 1/2" to provide quicker response time.
- 3.Tapered :** Used for high velocity applications The outside diameter decreases gradually along the immersion length.

>Q Dimension : The thickest part of the shank of the well on the hot side of the process connection or the flange. Q dimension depends on the bore size and process connection size.

>Bore Size : It is the inside diameter of the thermowell.

>Immersion ("U") Length : Immersion length of the thermowell is measured from the bottom of the process connection to the tip of the thermowell.

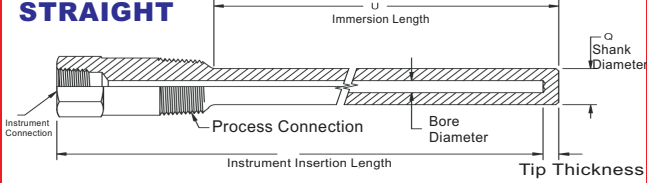
>Lagging Extensiion ("T") Length : The lagging extension exists behind the process connection and is used to extend the hex length and enable the probe to extend through insulation or walls.

HK TEMPSSENSORS (INDIA)

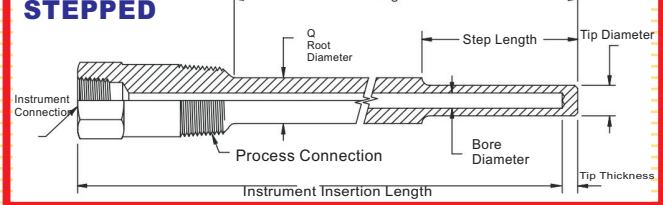
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THERMOWELL MODELS MANUFACTURED BY H.K.

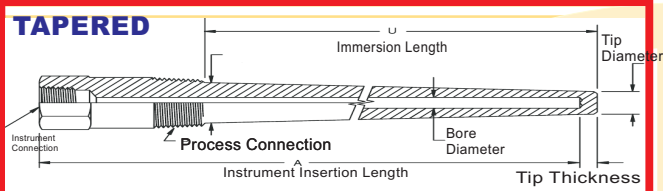
STRAIGHT



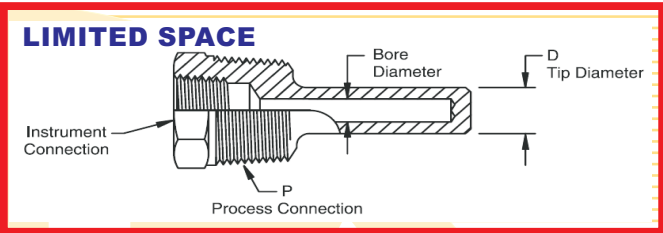
STEPPED



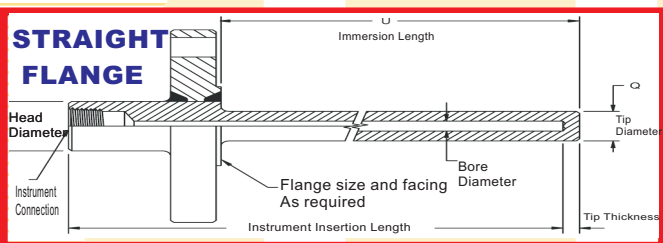
TAPERED



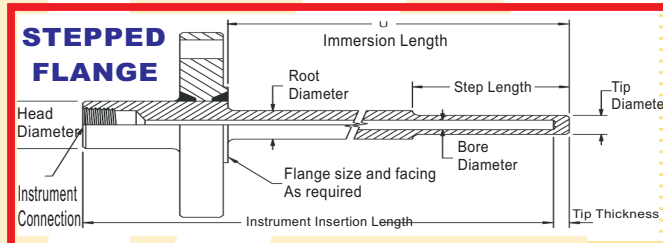
LIMITED SPACE



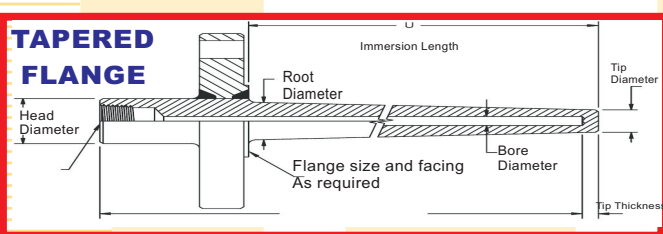
STRAIGHT FLANGE



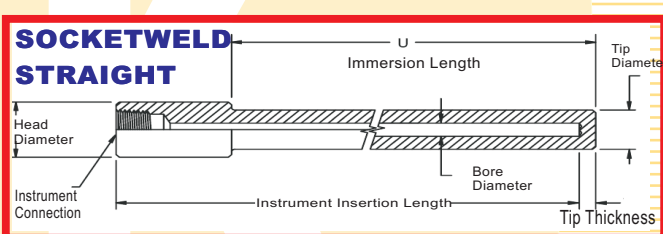
STEPPED FLANGE



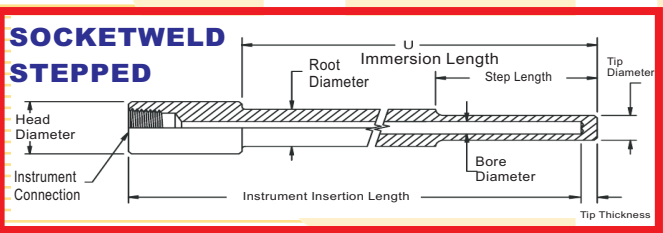
TAPERED FLANGE



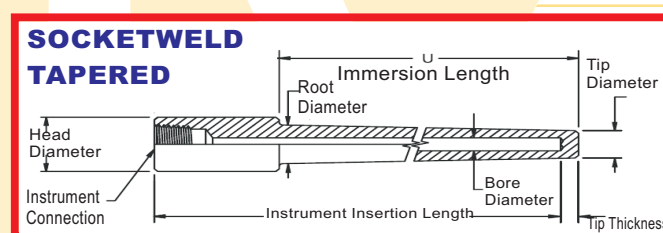
SOCKETWELD STRAIGHT



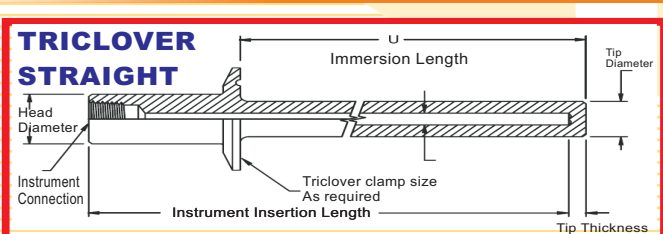
SOCKETWELD STEPPED



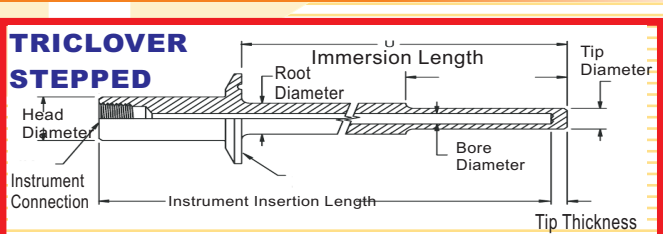
SOCKETWELD TAPERED



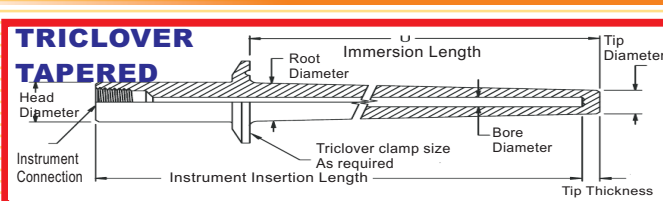
TRICLOVER STRAIGHT



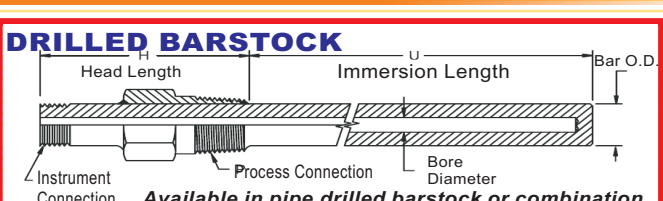
TRICLOVER STEPPED



TRICLOVER TAPERED



DRILLED BARSTOCK



Available in pipe, drilled barstock or combination