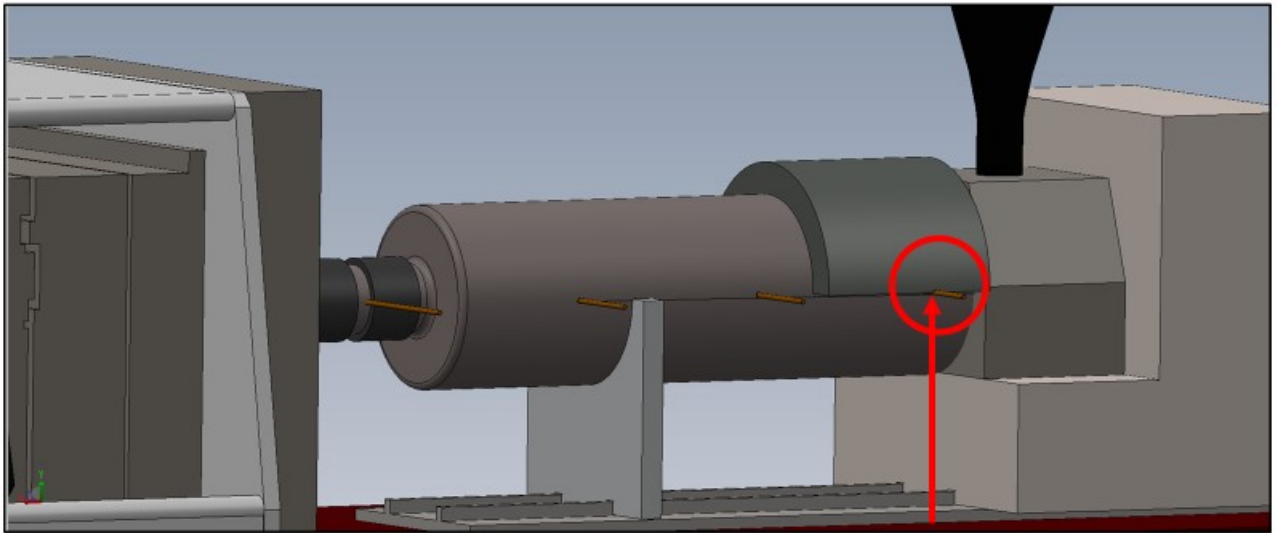


TCS – Thermocouple Penetration Locate and Cut

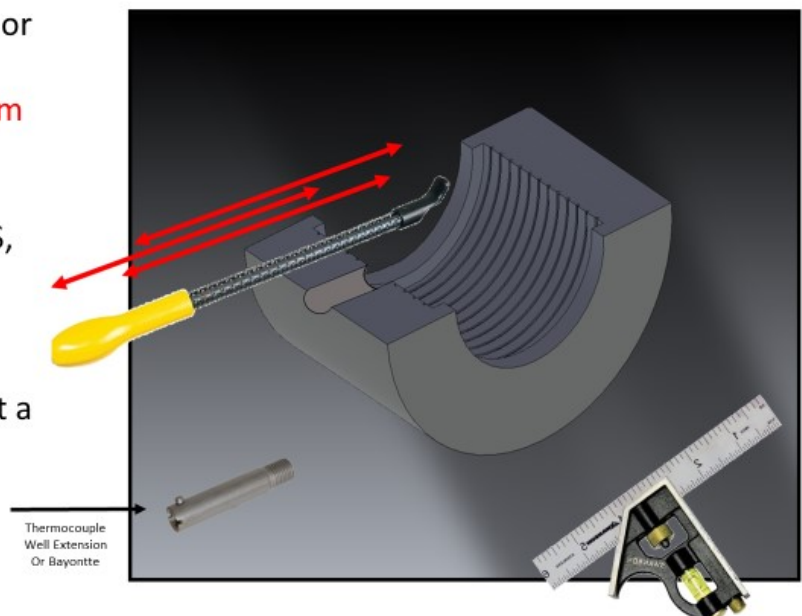
Thermocouple penetrations are created during installation, in the seam between the (2) TCS halves
 Penetrations are made on-site, so they can be precisely positioned allowing adjacent TCS sections to be fit tightly against one another, best containing heat and optimizing efficiency
 Penetrations should not exceed 0.375" depth, into the TCS half



Locate thermocouple extension position by physically placing TCS on barrel, and marking location

Using a 0.625" dia. File or similar
 (Stanley 21-297 Surform Round File)
 cut a half-circle penetration in the TCS, perpendicular to the length

A square is useful to get a perpendicular line



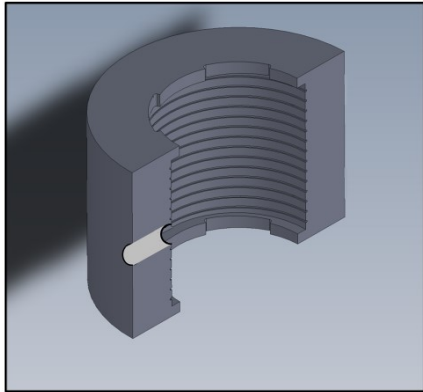


RMG

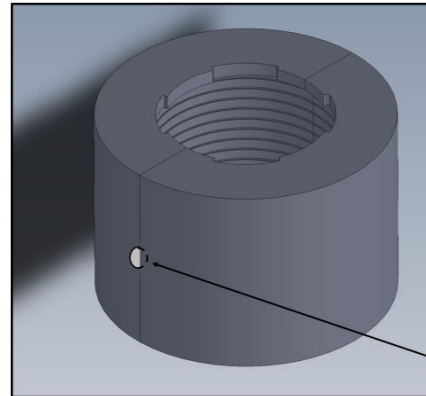
Rex Materials Group

where there's heat, there's RMG!™

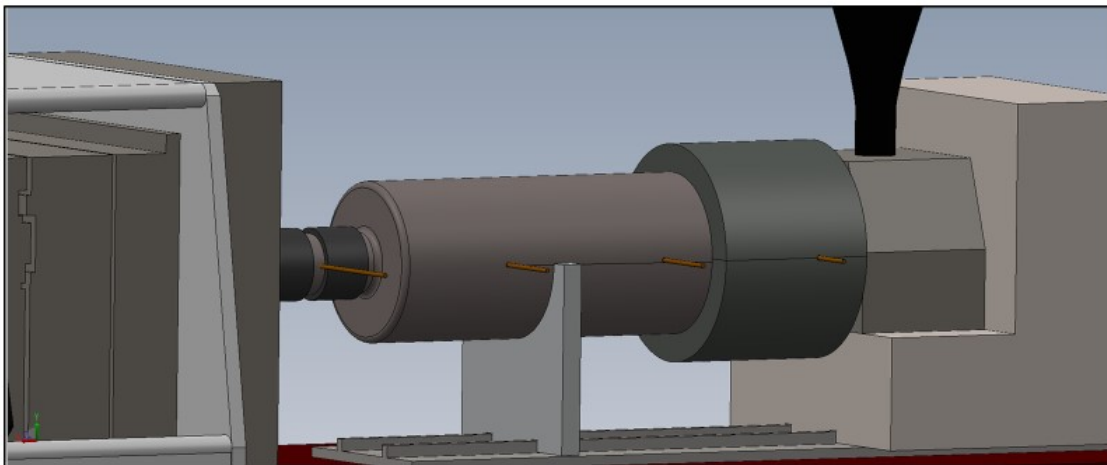
www.rexmaterials.com



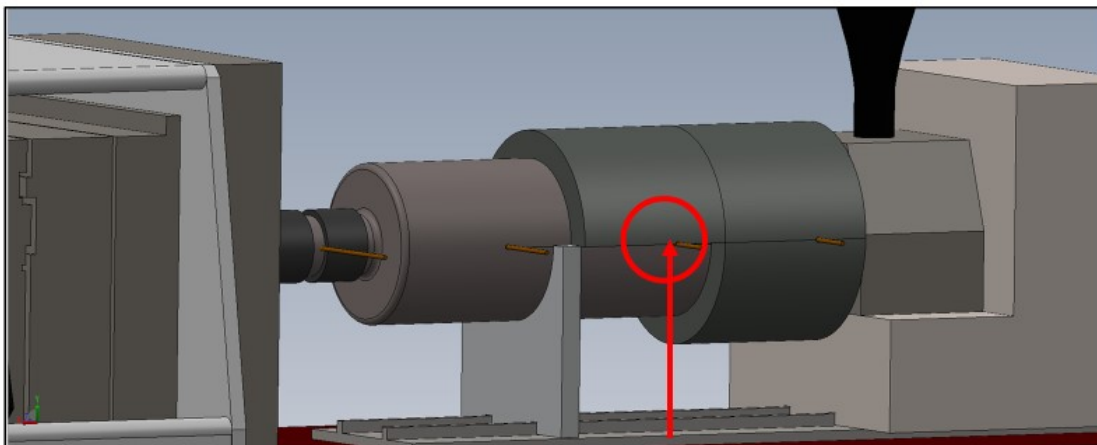
With the penetration completed on the first half, place on a flat surface and mark, and then cut, the penetration on the mating part



This results in perfectly aligned penetrations on both halves, so the end surfaces of the TCS sections are also perfectly aligned



Install both halves, using the provided straps



With the first TCS section in place, position the adjacent TCS section and locate thermocouple extension position, on the adjacent section, in the same manner. Repeat on all remaining sections.