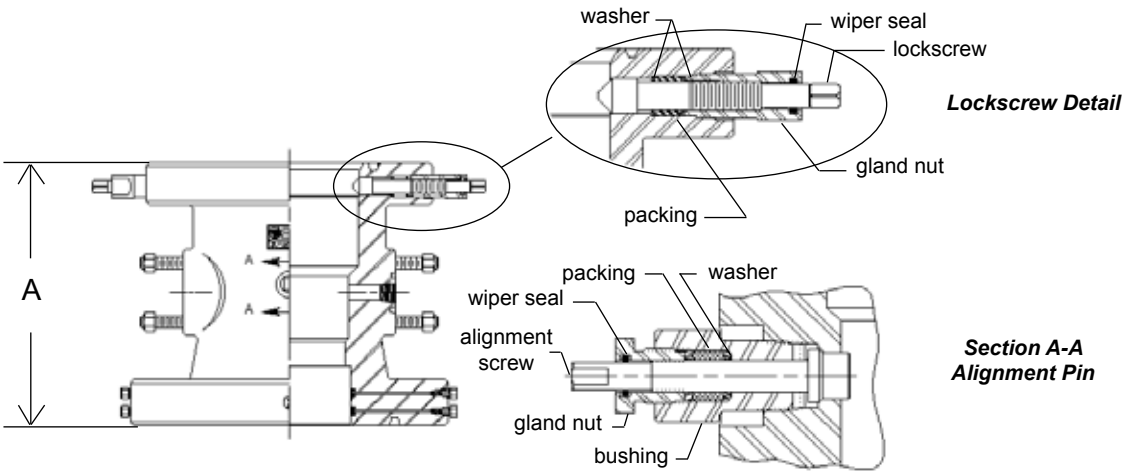
CU-KO All Purpose Head



Height (A):		Top Flange								
		9"-2000	9"-3000	9"-5000	11"-2000	11"-3000	11"-5000	13⅝"-2000	13⅝"-3000	13⅝"-5000
Bottom Flange	11"-2000	22.50	22.50	-	22.50	22.50	-	-	-	-
	11"-3000	-	22.50	26.38	-	22.50	26.38	-	-	-
	11"-5000	-	-	26.38	-	-	26.38	-	-	-
	13⅝"-2000	-	-	-	21.50	20.88	-	26.62	26.62	-
	13⅝"-3000	-	-	-	-	23.50	27.00	-	26.62	26.62
	13⅝"-5000	-	-	-	-	-	28.50	-	-	26.62
	21¼"-2000	-	-	-	-	-	-	25.00	24.50	-
	20¾"-3000	-	-	-	-	-	-	-	27.00	29.00

Main Design and Construction Features:

Top Connection	•	Standard API 6A Flange
Bottom Connection	•	Standard API 6A Flange
Side Outlets	•	Two standard 2 1/16" API studded side outlets
Lockscrews	•	Comes with a full set of Type P lockscrews
Alignment Screws	•	Comes with 1 or 2 Type AS-LP2 alignment screws
Profile	•	straight bore profile with one 45° load shoulder
Secondary	•	Dual 'PI' (plastic injection) to suit casing size

The CU all-purpose head is capable of suspending both casing and tubing strings. Its straight bore profile with one 45° load shoulder will accommodate a series of type CU single and multiple completion tubing hangers as well as both CC-21 manual and CC-22 automatic casing slips.

Each head comes with a full set of Type P lockscrews which are used to retain the tubing hanger and to energize compression style packing. This style of lockscrew has the packing located in front of the lockscrew threads (located on the gland nut) so that the threads are isolated from the well bore fluids. In addition, a wiper seal is located on the gland nut which protects the threads from contamination from the external environment.

All heads also have Type AS-LP2 alignment screws which, similar to the lockscrews, have isolated threads (from the well bore by the packing and from the environment by a wiper seal) and have the drive threads located on the gland nut. The alignment screw also features an independent bushing that permits replacement of a damaged pin from a depressurized head in the field. A bull plug can be used to temporarily blank off the alignment screw opening.