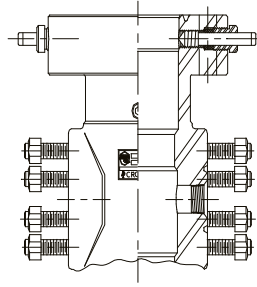


CTC/CTCM Tubing Head



"CTC/CTCM" Tubing Head

The Crown tubing head is attached to the uppermost casing head or the smallest casing string which serves to suspend the tubing and to seal the annular space between the tubing and the casing. When the well is completed, the christmas tree is installed on top of the tubing head using a tubing head adapter.

The Crown CTC tubing head has a straight bore design with an alignment pin compatible with all Crown single and multiple string CTC series

tubing hangers. The secondary packoff can be either a CP or PI built-in or bushing seal.

The Crown CTCM tubing head has the same straight bore design as CTC with no alignment pin for single-string CTC series tubing hangers. The CTCM can be upgraded to a CTC head by the addition of an alignment pin. The secondary packoff can be either a CP or PI built-in or bushing seal.

Design Features:

- | | |
|-------------------|---|
| Bottom Connection | <ul style="list-style-type: none"> • can be flanged, clamp-hub bottom, slip-on weld or threaded • the type and pressure rating used must match the top flange of previous casing spool or head, or size of casing |
| Top Connection | <ul style="list-style-type: none"> • generally a flanged connection but can be clamp-hub or hammer cap • the clamp-hub connection is sometimes specified because of fast make-up, reduced weight and size of wellhead assembly • the pressure rating of the top connection is normally determined by the production pressure of the well |
| Side Outlets | <ul style="list-style-type: none"> • typically has two side outlets providing access to the annulus between the tubing and production casing • available threaded, flanged, studded or clamp-hub • valve removal threads are standard on all flanged, studded and clamp-hub outlets to facilitate valve removal |

When ordering Crown Tubing Heads, please specify the following information:

- | | |
|--|---|
| <ol style="list-style-type: none"> 1) <i>Crown Model</i> 2) <i>Bottom Connection</i> <ol style="list-style-type: none"> a) <i>Flanged, Studded or Clamp Hub</i> b) <i>Size</i> c) <i>Working pressure</i> 3) <i>Top Connection</i> <ol style="list-style-type: none"> a) <i>Flanged, Studded or Clamp Hub</i> b) <i>Size</i> c) <i>Working pressure</i> | <ol style="list-style-type: none"> 4) <i>Side Outlets</i> <ol style="list-style-type: none"> a) <i>Threaded or Studded</i> b) <i>Size</i> c) <i>Working pressure</i> 5) <i>Standard or H₂S Service</i> 6) <i>Options</i> <ol style="list-style-type: none"> a) <i>Secondary seal style</i> b) <i>Are "P" type lockscrews required?</i> 7) <i>Is aligning pin for dual hanger required?</i> 8) <i>PSL requirement</i> |
|--|---|

Available to meet all appropriate API-6A requirements.



Dimensional Data for CTC & CTCM Tubing Heads

Top Flange Size WP		Bottom Flange Size WP		Outlets	Minimum Bore	Maximum Suspended Tubing Size	Approx. Height	in/mm
7 ¹ / ₁₆	2000	11	2000	2" LP	6 ¹¹ / ₁₆	4 ¹ / ₂	21	in
179.4	138 bar	279.4	138 bar	60.3	169.9	114.3	530	mm
7 ¹ / ₁₆	2000	11	2000	2 ¹ / ₁₆ -2000	6 ¹¹ / ₁₆	4 ¹ / ₂	21	in
179.4	138 bar	279.4	138 bar	52.4	169.9	114.3	530	mm
7 ¹ / ₁₆	2000	13 ⁵ / ₈	2000	2" LP	6 ¹¹ / ₁₆	4 ¹ / ₂	23	in
179.4	138 bar	346.1	138 bar	60.3	169.9	114.3	580	mm
7 ¹ / ₁₆	2000	13 ⁵ / ₈	2000	2 ¹ / ₁₆ -2000	6 ¹¹ / ₁₆	4 ¹ / ₂	23	in
179.4	138 bar	346.1	138 bar	52.4	169.9	114.3	580	mm
7 ¹ / ₁₆	3000	11	2000	2" LP	6 ¹¹ / ₁₆	4 ¹ / ₂	21	in
179.4	207 bar	279.4	138 bar	60.3	169.9	114.3	530	mm
7 ¹ / ₁₆	3000	11	2000	2 ¹ / ₁₆ -3000	6 ¹¹ / ₁₆	4 ¹ / ₂	21	in
179.4	207 bar	279.4	138 bar	52.4	169.9	114.3	530	mm
7 ¹ / ₁₆	3000	11	3000	2" LP	6 ¹¹ / ₁₆	4 ¹ / ₂	21	in
179.4	207 bar	279.4	207 bar	60.3	169.9	114.3	530	mm
7 ¹ / ₁₆	3000	11	3000	2 ¹ / ₁₆ -3000	6 ¹¹ / ₁₆	4 ¹ / ₂	21	in
179.4	207 bar	279.4	207 bar	52.4	169.9	114.3	530	mm
7 ¹ / ₁₆	3000	13 ⁵ / ₈	2000	2" LP	6 ¹¹ / ₁₆	4 ¹ / ₂	23	in
179.4	207 bar	347.1	138 bar	60.3	169.9	114.3	580	mm
7 ¹ / ₁₆	3000	13 ⁵ / ₈	2000	2 ¹ / ₁₆ -3000	6 ¹¹ / ₁₆	4 ¹ / ₂	23	in
179.4	207 bar	346.1	138 bar	52.4	169.9	114.3	580	mm
7 ¹ / ₁₆	3000	13 ⁵ / ₈	3000	2" LP	6 ¹¹ / ₁₆	4 ¹ / ₂	23	in
179.4	207 bar	346.1	207 bar	60.3	169.9	114.3	580	mm
7 ¹ / ₁₆	3000	13 ⁵ / ₈	3000	2 ¹ / ₁₆ -3000	6 ¹¹ / ₁₆	4 ¹ / ₂	23	in
179.4	207 bar	346.1	207 bar	52.4	169.9	114.3	580	mm
7 ¹ / ₁₆	5000	11	3000	2" LP	6 ⁵ / ₁₆	4 ¹ / ₂	23 ¹ / ₂	in
179.4	345 bar	279.4	207 bar	60.3	160.3	114.3	600	mm
7 ¹ / ₁₆	5000	11	3000	2 ¹ / ₁₆ -5000	6 ⁵ / ₁₆	4 ¹ / ₂	23 ¹ / ₂	in
179.4	345 bar	279.4	207 bar	52.4	160.3	114.3	600	mm
7 ¹ / ₁₆	5000	11	5000	2" LP	6 ⁵ / ₁₆	4 ¹ / ₂	23 ¹ / ₂	in
179.4	345 bar	279.4	345 bar	60.3	160.3	114.3	600	mm
7 ¹ / ₁₆	5000	11	5000	2 ¹ / ₁₆ -5000	6 ⁵ / ₁₆	4 ¹ / ₂	23 ¹ / ₂	in
179.4	345 bar	279.4	345 bar	52.4	160.3	114.3	600	mm
7 ¹ / ₁₆	5000	13 ⁵ / ₈	3000	2" LP	6 ⁵ / ₁₆	4 ¹ / ₂	23 ¹ / ₂	in
179.4	345 bar	346.1	207 bar	60.3	160.3	114.3	600	mm
7 ¹ / ₁₆	5000	13 ⁵ / ₈	3000	2 ¹ / ₁₆ -5000	6 ⁵ / ₁₆	4 ¹ / ₂	23 ¹ / ₂	in
179.4	345 bar	346.1	207 bar	52.4	160.3	114.3	600	mm
7 ¹ / ₁₆	10000	11	5000	1 ³ / ₁₆ -10000	6 ⁵ / ₁₆	4 ¹ / ₂	25	in
179.4	690 bar	279.4	345 bar	46.0	160.3	114.3	635	mm
7 ¹ / ₁₆	10000	11	5000	2 ¹ / ₁₆ -10000	6 ⁵ / ₁₆	4 ¹ / ₂	25	in
179.4	690 bar	279.4	345 bar	52.4	160.3	114.3	635	mm
7 ¹ / ₁₆	10000	11	10000	1 ³ / ₁₆ -10000	6 ⁵ / ₁₆	4 ¹ / ₂	25 ¹ / ₄	in
179.4	690 bar	279.4	690 bar	46.0	160.3	114.3	640	mm
7 ¹ / ₁₆	10000	11	10000	2 ¹ / ₁₆ -10000	6 ⁵ / ₁₆	4 ¹ / ₂	25 ¹ / ₄	in
179.4	690 bar	279.4	690 bar	52.4	160.3	114.3	640	mm