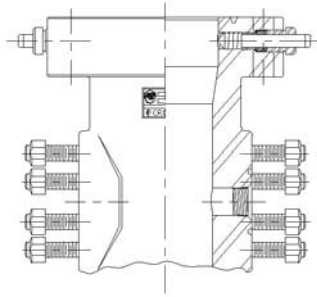


## “A” Tubing Head



“A” 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 A tubing head has a tapered bore design which is compatible with all Crown single and multiple string A series tubing hangers. The secondary packoff can be either a AC-3, CP or PI built-in or bushing seal.

### Design Features:

- Bottom Connection**
- 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**
- 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**
- 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:

- |                                  |                                              |
|----------------------------------|----------------------------------------------|
| 1) Crown Model                   | 4) Side Outlets                              |
| 2) Bottom Connection             | a) Threaded or Studded                       |
| a) Flanged, Studded or Clamp Hub | b) Size                                      |
| b) Size                          | c) Working pressure                          |
| c) Working pressure              | 5) Standard or H <sub>2</sub> S Service      |
| 3) Top Connection                | 6) Options                                   |
| a) Flanged, Studded or Clamp Hub | a) Secondary seal style                      |
| b) Size                          | b) Are “P” type lockscrews required?         |
| c) Working pressure              | 7) Is aligning pin for dual hanger required? |
|                                  | 8) PSL requirement                           |

Available to meet all appropriate API-6A requirements.



**Dimensional Data for Type A-3 Tubing Heads**

Top Flange		Bottom Flange		Outlets	Minimum Bore	Maximum Tubing Size	Approx. Height	
Size	WP	Size	WP					
7 <sup>1</sup> / <sub>16</sub>	2000	9	2000	2" LP	6 <sup>7</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>2</sub>	16	in
179.4	138 bar	228.6	138 bar	60.3	163.5	88.9	406.4	mm
7 <sup>1</sup> / <sub>16</sub>	2000	9	2000	2 <sup>1</sup> / <sub>16</sub> -2000	6 <sup>7</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>2</sub>	16	in
179.4	138 bar	228.6	138 bar	52.4	163.5	88.9	406.4	mm
7 <sup>1</sup> / <sub>16</sub>	3000	9	3000	2" LP	6 <sup>7</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>2</sub>	20 <sup>1</sup> / <sub>2</sub>	in
179.4	207 bar	228.6	207bar	60.3	163.5	88.9	520.7	mm
7 <sup>1</sup> / <sub>16</sub>	3000	9	3000	2 <sup>1</sup> / <sub>16</sub> -5000	6 <sup>7</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>2</sub>	20 <sup>1</sup> / <sub>2</sub>	in
179.4	207 bar	228.6	207 bar	52.4	163.5	88.9	520.7	mm
7 <sup>1</sup> / <sub>16</sub>	3000	9	2000	2" LP	6 <sup>7</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>2</sub>	20 <sup>1</sup> / <sub>2</sub>	in
179.4	207 bar	228.6	138 bar	60.3	163.5	88.9	520.7	mm
7 <sup>1</sup> / <sub>16</sub>	3000	9	2000	2 <sup>1</sup> / <sub>16</sub> -5000	6 <sup>7</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>2</sub>	20 <sup>1</sup> / <sub>2</sub>	in
179.4	207 bar	228.6	138 bar	52.4	163.5	88.9	520.7	mm
7 <sup>1</sup> / <sub>16</sub>	5000	9	3000	2" LP	6 <sup>7</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>2</sub>	21 <sup>1</sup> / <sub>2</sub>	in
179.4	345 bar	228.6	207 bar	60.3	163.5	88.9	546.1	mm
7 <sup>1</sup> / <sub>16</sub>	5000	9	3000	2 <sup>1</sup> / <sub>16</sub> -5000	6 <sup>7</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>2</sub>	21 <sup>1</sup> / <sub>2</sub>	in
179.4	345 bar	228.6	207 bar	52.4	163.5	88.9	546.1	mm
7 <sup>1</sup> / <sub>16</sub>	5000	9	5000	2 <sup>1</sup> / <sub>16</sub> -5000	6 <sup>7</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>2</sub>	21 <sup>1</sup> / <sub>2</sub>	in
179.4	345 bar	228.6	345 bar	52.4	163.5	88.9	546.1	mm