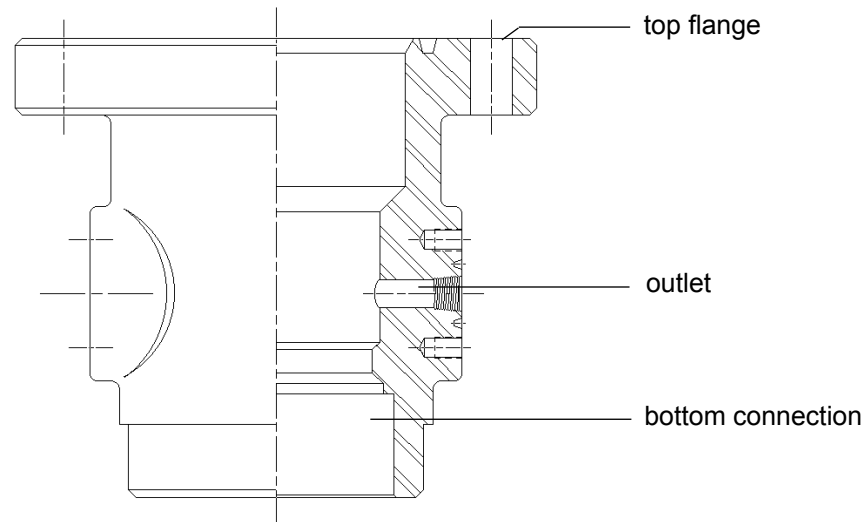


## CC-22 Casing Head



The Crown CC-22 casing head has a straight bore one-step bowl design with a large chamfer on the top. This head accepts either the Crown CC-22 automatic casing hanger which combines slips, slip bowl and packing into a single unit, or the Crown CC-21 casing hanger and separate floating primary packoff.

If a bowl protector is required, the Crown CC-22-BP design is recommended. It has two lock screws in the top flange to retain the bowl protector. A hold-down flange with lock screws can be furnished for use on CC-22 casing heads.

The CC-22-L has multiple lockdown screws in the top flange to be used for retaining a mandrel hanger or bowl protector.

### Main Design and Construction Features:

- Bottom Connection*
  - The standard bottom connection is a slip-on weld or female casing thread. Other connections available are slip lock or male casing thread.
- Top Connection*
  - The top connection of a Crown casing head is an API 6A flange. A clamp-hub connection is available.
- Side Outlets*
  - The standard casing head has two 2" API line pipe female thread side outlets. Studded, extended flanged or clamp hub outlets are also available. The studded and flanged outlets have valve removal threads. Combinations of outlet types are available.



**CC-22 Casing Head**

**Dimensional Data for CC-22 Casing Heads**

Top Flange Size	WP	Bottom Connection	Outlets*	Minimum Bore	Maximum Suspended Casing Size	Approx. Height	
11	2000	8 <sup>5</sup> / <sub>8</sub>	2" LP	8	7	17.4	in
279.4	13.8 MPa	219.1	50.8	203.2	177.8	442	mm
11	3000	8 <sup>5</sup> / <sub>8</sub>	2" LP	8	7	17.1	in
279.4	20.7 MPa	219.1	50.8	203.2	177.8	434	mm
11	5000	8 <sup>5</sup> / <sub>8</sub>	2" LP	8	7	21.6	in
279.4	34.5 MPa	219.1	50.8	203.2	177.8	549	mm
11	2000	9 <sup>5</sup> / <sub>8</sub>	2" LP	9	7 <sup>5</sup> / <sub>8</sub>	17.4	in
279.4	13.8 MPa	244.5	50.8	228.6	193.7	442	mm
11	3000	9 <sup>5</sup> / <sub>8</sub>	2" LP	9	7 <sup>5</sup> / <sub>8</sub>	17.1	in
279.4	20.7 MPa	244.5	50.8	228.6	193.7	434	mm
11	5000	9 <sup>5</sup> / <sub>8</sub>	2" LP	9	7 <sup>5</sup> / <sub>8</sub>	21.6	in
279.4	34.5 MPa	244.5	50.8	228.6	193.7	549	mm
11	2000	10 <sup>3</sup> / <sub>4</sub>	2" LP	9.9	8 <sup>5</sup> / <sub>8</sub>	17.4	in
279.4	13.8 MPa	273.0	50.8	254.0	219.1	442	mm
11	3000	10 <sup>3</sup> / <sub>4</sub>	2" LP	9.9	8 <sup>5</sup> / <sub>8</sub>	17.1	in
279.4	20.7 MPa	273.0	50.8	254.0	219.1	434	mm
11	5000	10 <sup>3</sup> / <sub>4</sub>	2" LP	9.9	8 <sup>5</sup> / <sub>8</sub>	21.6	in
279.4	34.5 MPa	273.0	50.8	254.0	219.1	549	mm
13 <sup>5</sup> / <sub>8</sub>	2000	11 <sup>3</sup> / <sub>4</sub>	2" LP	11	9 <sup>5</sup> / <sub>8</sub>	18.6	in
346.1	13.8 MPa	298.4	50.8	279.4	244.5	472	mm
13 <sup>5</sup> / <sub>8</sub>	3000	11 <sup>3</sup> / <sub>4</sub>	2" LP	11	9 <sup>5</sup> / <sub>8</sub>	18.6	in
346.1	20.7 MPa	298.4	50.8	279.4	244.5	472	mm
13 <sup>5</sup> / <sub>8</sub>	2000	13 <sup>3</sup> / <sub>8</sub>	2" LP	12 <sup>1</sup> / <sub>2</sub>	9 <sup>5</sup> / <sub>8</sub>	18.6	in
346.1	13.8 MPa	339.7	50.8	317.5	244.5	472	mm
13 <sup>5</sup> / <sub>8</sub>	3000	13 <sup>3</sup> / <sub>8</sub>	2" LP	12 <sup>1</sup> / <sub>2</sub>	9 <sup>5</sup> / <sub>8</sub>	18.6	in
346.1	20.7 MPa	339.7	50.8	317.5	244.5	472	mm
13 <sup>5</sup> / <sub>8</sub>	5000	13 <sup>3</sup> / <sub>8</sub>	2" LP	12 <sup>1</sup> / <sub>2</sub>	9 <sup>5</sup> / <sub>8</sub>	21.6	in
346.1	34.5 MPa	339.7	50.8	317.5	244.5	549	mm
16 <sup>3</sup> / <sub>4</sub>	2000	16	2" LP	15 <sup>1</sup> / <sub>4</sub>	10 <sup>3</sup> / <sub>4</sub>	19.1	in
425.5	13.8 MPa	406.4	50.8	387.4	273.0	485	mm
16 <sup>3</sup> / <sub>4</sub>	3000	16	2" LP	15 <sup>1</sup> / <sub>4</sub>	10 <sup>3</sup> / <sub>4</sub>	19.1	in
425.5	20.7 MPa	406.4	50.8	387.4	273.0	485	mm
16 <sup>3</sup> / <sub>4</sub>	5000	16	2" LP	15 <sup>1</sup> / <sub>4</sub>	10 <sup>3</sup> / <sub>4</sub>	18.9	in
425.5	34.5 MPa	406.4	50.8	387.4	273.0	480	mm
21 <sup>1</sup> / <sub>4</sub>	2000	20	2" LP	19 <sup>3</sup> / <sub>16</sub>	13 <sup>3</sup> / <sub>8</sub>	20.4	in
539.8	13.8 MPa	508.0	50.8	487.4	339.7	518	mm
20 <sup>3</sup> / <sub>4</sub>	3000	20	2" LP	19 <sup>3</sup> / <sub>16</sub>	13 <sup>3</sup> / <sub>8</sub>	20.4	in
527.1	20.7 MPa	508.0	50.8	487.4	339.7	518	mm

\* Also available with flanged or studded side outlets

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

- |   |                             |
|---|-----------------------------|
| 1) Crown Model                                | 5) Standard or H,S service  |
| 2) Bottom Connection                          | 6) Equipment to be used off |
| outlets                                       |                             |
| a) Slip-on weld, female thread or male thread | 7) Options required         |
| b) Casing size                                | a) Lockdown screws          |
| 3) Top Connection                             | b) Landing base             |
| a) Flange or Clamp hub                        | 8) PSL requirement          |
| b) Size                                       | 9) API material class       |
| c) Working pressure                           | 10) API temperature rating  |
| 4) Side Outlets                               |                             |
| a) Threaded or studded                        |                             |
| b) Size                                       |                             |

Available to meet all appropriate API-6A requirements.