

Weatherford®

Casing Heads

Models WFT-22 and WFT-29

Casing heads in the Weatherford WFT series feature a straight bowl design with a 45° load shoulder. This preferred wellhead geometry is superior to tapered designs because of its ability to accommodate heavy hanger loads, provide precise hanger placement, and resist sticking or wedging.

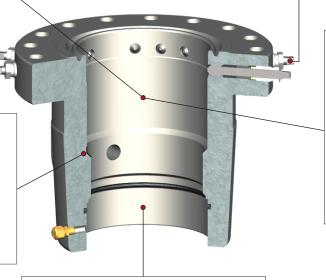
The WFT-22 is designed for pressures up to 5,000 PSI and accepts WFT-21, WFT-21-P and WFT-22 casing hangers. The WFT-29 is designed for pressures up to 15,000 PSI and accepts WFT-29 casing hangers. Standard temperature ratings for both models of this cost-saving piece of equipment are -50 to +250°F.

Straight bowl design

handles a full range of hanger loads without modification to the head; resists sticking or wedging of hangers, which requires costly removal; affords ready availability of after-market parts; and saves overall costs.

High-capacity 45° load shoulder suspends casing load weights, limited only by the load rating of hangers used in the bowl; ensures precise landing/location of hanger necks and seal sleeves; and protects the seal area during drilling operations.

Externally threaded lockscrews for wear bushing (-BP) and hanger retention (-L) (Examples: WFT-22-BP, two lockscrews; WFT-29-L, full set of lockscrews)



Deep bowl design. WFT-22 casing heads accept WFT-21, WFT-21-P and WFT-22 casing hangers for application flexibility. WFT-29 casing heads accept WFT-29 casing hangers.

Connections: Bottom slip-on weld connection available with or without O-ring seal for pressure testing of field welds. Threaded or weldless connections also available.



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Advantages

Cost-saving WFT-series casing heads offer the following advantages:

- Ability to handle a full range of hanger loads without modification to the head
- Resistance to sticking or wedging of hangers
- Ready availability of after-market parts
- Precise landing/location of hanger necks and seal sleeves
- Seal-area protection during drilling operations
- Wear bushing and hanger retention
- Choice of connection type
- Choice of outlet types for flexibility to use many types of outlet equipment

Options

- Choice of flanged (standard) or clamp hub top connections
- Choice of threaded, studded or flanged outlets (Studded and flanged outlets require valve removal threads.)
- Landing bases and reinforcing base plates available for heavy stack loads
- WFT-22 or WFT-29 with inclusion of -L designation (Example: WFT-29-L) = full set of lockdown screws for retaining casing hanger
- WFT-22 or WFT-29 with inclusion of -BP designation (Example: WFT-22-BP)
 two lockdown screws for bowl protector hold-down only

Specifications

Model WFT-22								
Top Flange			Outlet					
Nominal Size	Working Pressure	Casing Size	Threaded	Studded				
(in.)	(PSI)	(in.)	Size (in.)	Size (in.)	WP (PSI)			
9	2,000	8-5/8	2	2-1/16	2,000			
	3,000	0-3/0			5,000			
11	3,000	8-5/8 9-5/8 10-3/4	2	2-1/16	5,000			
	5,000	8-5/8 9-5/8 10-3/4						
13-5/8	3,000	11-3/4 13-3/8	2	2-1/16	5,000			
	5,000	11-3/4 13-3/8						
16-3/4	3,000	16	2	2-1/16	3,000			
21-1/4	3,000	20 18-5/8 20	2	2-1/16	5,000			
	5,000	20						

Other sizes and configurations available on request.



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Specifications

Model WFT-29								
Top Flange			Outlet					
Nominal Size	Working Pressure	Casing Size	Threaded	Studded				
(in.)	(PSI)	(in.)	Size (in.)	Size (in.)	WP (PSI)			
9	2,000	8-5/8	2	2-1/16	2,000			
	3,000				5,000			
11	3,000	8-5/8	2	2-1/16	5,000			
		9-5/8						
		10-3/4						
	5,000	8-5/8						
		9-5/8						
		10-3/4						
	10,000	8-5/8						
		9-5/8						
		10-3/4						
13-5/8	3,000	11-3/4	2	2-1/16	5,000			
		13-3/8						
	5,000	11-3/4						
		13-3/8						
	10,000	11-/34						
		13-3/8						
16-3/4	2,000	16	2	2-1/16	2,000			
	3,000				3,000			
21-1/4	2,000	18	2	2-1/16	2,000			
		20			5,000			
	3,000	20						
		18-5/8			5,000			
	5 000	20			•			
	5,000	20						

Other sizes and configurations available on request.