



Casing Spools

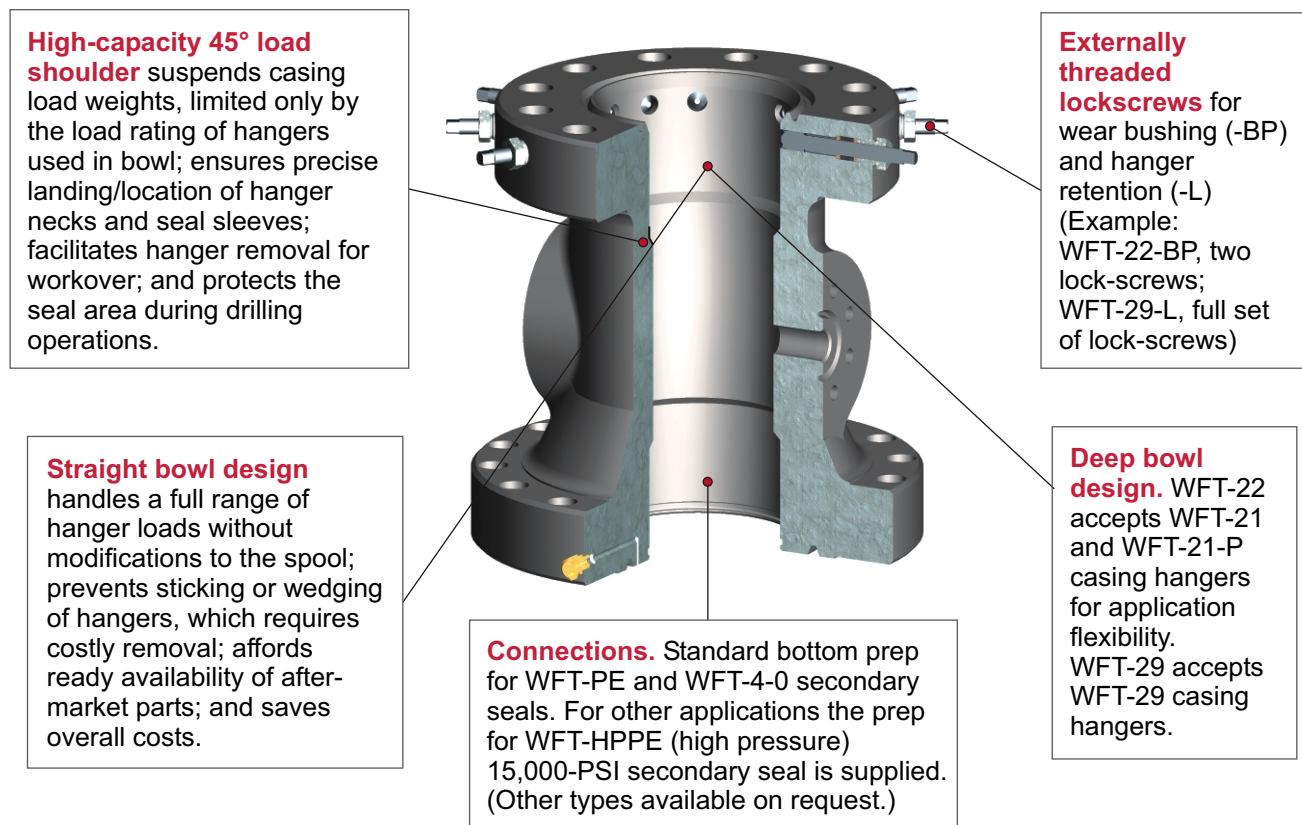
Models WFT-22 and WFT-29

Weatherford's WFT-series casing spools have the same design features as WFT-22 and WFT-29 casing heads, with the addition of a bottom flange connection with secondary seal preps for either a WFT-PE or between the WFT-HPPE seal assembly or WFT-4-0 reducer bushing. The straight bowl design with a 45° load shoulder is the preferred wellhead geometry and is superior to tapered designs because of its ability to accommodate heavy hanger loads, provide precise hanger placement, and resist sticking or wedging of hangers.

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 medium to high pressures (to 15,000 PSI) and accepts WFT-29 casing hangers. Weatherford's WFT-29 isolation ring is available for this model to isolate the casing hanger from the flange connection test pressure. (Note: Type H isolation ring cannot be used when casing head has lockdown screws or BX ring gasket.)

Standard temperature ratings for both models of this cost-saving piece of equipment are -50 to +250°F.





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Advantages

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

- Reduced downtime associated with modifying the head to accept different hanger loads
- Ability to handle a full range of hanger loads without modifications to the spool
- Resistance to sticking or wedging of hangers
- Ready availability of after-market parts
- Precise landing/location of hanger necks and seal sleeves
- Easier hanger removal for workover
- Seal-area protection during drilling operations
- Wear bushing and hanger retention
- Choice of connection type

Options

Top bowl

- Choice of threaded, studded, or flanged outlets for flexibility to use any type of outlet equipment. (Note: Studded and flanged outlets usually require valve removal threads.)
- Flanged (standard) or clamp hub top connections
- WFT-22 or WFT-29 with the inclusion of -L = full set of lockdown screws. (Example: WFT-29-L)
- WFT-22 or WFT-29 with the inclusion of -BP = two lockdown screws for bowl protector hold-down only. (Example: WFT-22-BP)

Bottom bowl

- Prep uses the WFT-4-0 secondary bushing or WFT-PE secondary seal. Will accommodate a WFT-HPPE secondary seal assembly (with slight modification).
- Prep can be furnished with an integral OO bottom prep (two O-ring seals) or double P bottom prep (two P seals, which are energized by mechanically pumping plastic packing).



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Specifications

Top Flange		Bottom Flange		Outlet			
Nominal Size (in.)	Working Pressure (PSI)	Nominal Size (in.)	Working Pressure (PSI)	Threaded	Studded		
				Size (in.)	Size (in.)	Working Pressure (PSI)	
11	3,000	13-5/8	3,000	2	2-1/16	5,000	
			5,000				
	5,000	11	3,000				
			5,000				
			13-5/8				3,000
			5,000				
	10,000	16-3/4	3,000				
			5,000				
11			10,000				
13-5/8			5,000				
13-5/8	5,000	13-5/8	5,000	N/A	1-13/16	10,000	
			5,000				
			10,000				
13-5/8	5,000	20-3/4	3,000	2	2-1/16	5,000	
	10,000		N/A	1-13/16	10,000		
	5,000		2	2-1/16	5,000		

Other sizes and configurations available on request.