



Ball/Bar-Type Circulating Valve

Weatherford's ball- or bar-circulating valve can be installed in the work string, above any downhole tool, to open the work string to the annulus and avoid pulling a wet work string. The 2 7/8-in. (73-mm) valve is used primarily above an IPP™ injection production packer to open the work string before pulling.

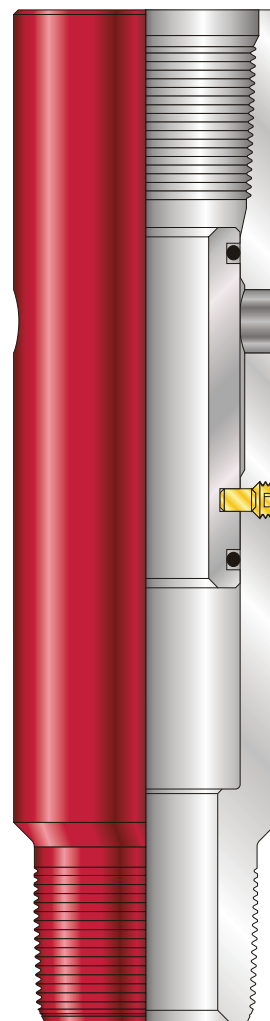
Shear screws hold the shear sleeve in the closed position. Dropping either a ball or a bar on the shear sleeve and applying pressure open the valve, which remains in the open position. With use, a shear bar can be fished out to reestablish the opening through the valve. The ball must be caught in a ball catcher below the packer or blown out into the open hole.

Applications

The circulating valve can be used above an IPP assembly or any downhole tool to open the work string to the annulus.

Features, Advantages and Benefits

- Shear sleeves prevent premature opening of the valve, providing work-string pressure integrity.
- The circulating valve cannot open until the ball or bar lands on the shear sleeve, providing work-string pressure integrity. Once opened, the valve remains open and cannot close.
- Bar-circulating valves can be fished out of the hole, reestablishing circulation through the valve.



Specifications

Size (in./mm)	Maximum OD (in./mm)	Minimum ID (in./mm)	Length (in./mm)	Shear Sleeve Seat ID (in./mm)	Required Ball Diameter (in./mm)	Connections (in.)	
						Box	Pin
2-7/8 73.03	3.67 93.22	1.75 44.45	14.06 357.12	1.75 44.45	2.00 50.80	2-7/8 (8rd EUE)	