

# Well Construction Equipment Cementing Accessories



## Description

Float Shoes contain back pressure valves that prevent drilling muds and formation fluids from entering the casing string while being run in hole, and prevent cement from flowing back into the casing string after pump down.

Float Collars are situated above the Guide Shoe or Float Shoe. They provide a seat for the cement plugs; the bottom plug is being pumped ahead of the cement slurry, while the top plug is being pumped behind the full volume of the slurry. Once seated, the top plug shuts off fluid flow and prevents over-displacement of the cement.

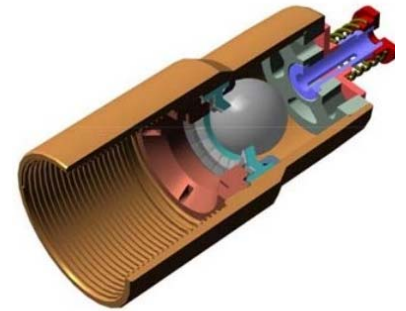
The space between the Float Shoe and the Float Collar provides a containment area to entrap the likely-contaminated fluids from the wiping action of the top cementing plug, isolating the contaminated fluid from the shoe track where a strong cement bond is essential. Float Collars may also include a backpressure valve as back up to the Float Shoe.

All Float Shoes and Collars are available in all API casing sizes in standard and premium connections, or can be customised for non-standard application with slip on connections.

Cementing Plugs are used to remove the mud from inside the casing during cementing operations. Two types of Cementing Plugs are used in the cementing process: Bottom Cementing Plug and Top Cementing Plug.

The Top Cementing Plug has a solid body that provides positive indication of contact with the landing collar and bottom plug through an increase in pump pressure. The Bottom Cementing Plug is launched ahead of the cement slurry to minimise contamination by fluids inside the casing prior to cementing.

Plugs are available in a variety of configurations, standard, non-rotating types and latch types.



## Applications

- Casing cementing operations

## Features

- API Standard
- Single & double float valve
- Non-rotation & latch plugs

Specifications		METRIC	IMPERIAL
Floats	Size Range	114.3 – 346.1 mm	4-1/2 – 13-5/8"
	Valves	Single, Double	
	Latch	Optional	
	Non rotating profile	Optional	
	Options	Reamer profile, Eccentric	
	Connections	LTC, BTC, STC, Premium	
Plugs	Size Range	114.3 – 346.1 mm	4-1/2 – 13-5/8"
	Open Volume	Optional	
	Non rotating profile	Optional	
Certification	API	5CT	