

## HYDRAULIC STAGE CEMENTING COLLAR

### APPLICATION

The Stage Cementing Collar is run with the corresponding open-hole packer. The tool is used for stage cementing and providing isolation of cemented and non-cemented liner parts.

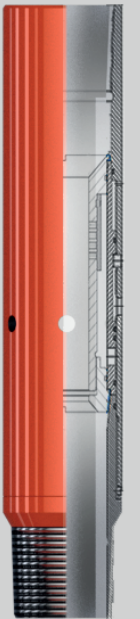
### DESIGN FEATURES AND ADVANTAGES

- The cementing ports are opened hydraulically;
- Check-valve option available in case of no indication of the dart landing;
- The locking mechanism holds the cementing ports closed;
- Full-bore diameter after milling out;
- The material grade of the tool corresponds to the casing grade P-110 (M).



## SPECIFICATIONS

Liner size, in	4	4 1/2	5	7
Tool OD, in	4,65	5,24	5,75	7,91
Tool ID, in	3,46	3,90	4,41	6,26
Activation pressure, psi	2 300	2 300	3 000	3 000
Closing pressure,psi	300	300	600	500
Pressure rating, psi	10 000	10 000	10 000	8 000
Max working temperature, °F	250	250	250	250
Thread size*	4,0	4,5	5,0	7,0



\*Thread type, metallurgy and elastomers are as per Customer`s requirements