

Flow Control Device

Tool Type: Shift Control



Top Connection: Material: 4145 HMOD. As per Customer request.

Inflow and Outflow Devices:

Inflow Control Device (ICD) and Outflow Control Device (OCD) can vary with Custom Design. A typical ICD/OCD may consist of a combination of the following main components: Nozzles, Shifting Sleeves, Sand Control

Shift Control Types:

2-Way Shift:

Up Shift: All Nozzle/Ports closed

Down Shift: All Nozzle/Ports opened

3-Way Shift:

Up Shift: Upper Nozzle/Ports are closed.

Middle Shift: All Upper and Lower Nozzle/Ports are closed.

Down Shift: Lower Nozzle/Ports are closed.

Inner Sleeve: Material 4145 HMOD Zinc Phosphate 38.5" long

Dimensions: OD, ID, and Length as per customer request.

Shifting Length: 27" long.

Detent Ring Grooves: 1.750" Long x 0.250" Deep

Both ends c/w OTIS-Type B shifting profile

Spring Detent Ring: Material Spring Steel c/w Angled taper cut out

Detent Angle as per customer request. eg.: 45° Detent Ring = 2,700 lbs. +/- 300 lb.

Rubber O-Rings: Material 345-Alfas High Temperature. Pressure Test: 3,000 psi

Casing Scraper Ring: Material 304 SS c/w EDM taper cut

Bottom Connection: Material: 4145 HMOD. As per customer request

All tools are custom designed. Customer would receive technical data sheet with actual dimensions, threads and performance data.



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