

HYDRAULIC TUBING ANCHOR

DESCRIPTION

The Hydraulic Tubing Anchor is a downhole anchoring device designed to secure the production tubing within the casing using hydraulically actuated slips. Its main function is to eliminate tubing movement caused by thermal expansion, pressure fluctuations, or piston effects, which could otherwise compromise packer integrity and overall wellbore isolation.

When tubing pressure is applied, hydraulic force drives the slips outward against the casing wall, firmly anchoring the tubing in place. This prevents unwanted axial movement, reduces tubing buckling or elongation, and helps maintain the sealing performance of packers and other completion equipment.

The tool’s full-bore design ensures that flow and intervention access are not restricted, while its high load capacity allows it to withstand significant axial forces. The Hydraulic Tubing Anchor is particularly suited for wells with frequent pressure or temperature cycles, gas-lift systems, or any completion requiring enhanced tubing stability.

FEATURES

- Hydraulic setting mechanism – no surface mechanical manipulation required
- Prevents tubing movement to protect packers and maintain zonal isolation
- High load capacity to handle axial tubing stresses
- Full-bore internal diameter for unrestricted flow and intervention access
- Ideal for wells with pressure/temperature cycling, gas-lift systems, or critical stability requirements

Tubing Size in - [mm]	Casing Size for installation in - [mm]	Max OD in - [mm]	Min ID in - [mm]	Pressure Rating Psi - [Bar]
2,375 - [60,3]	4,5 - [114,3]	3,5 - [88,9]	1,995 - [50,67]	10000 - [689]
2,875 - [73]	5 - [127]	4,02 - [102]	2,441 - [62]	10000 - [689]
3,5 - [88,9]	5,5 - [139,7]	4,5 - [114,3]	2,992 - [76]	10000 - [689]
4,5 - [114,3]	7 - [177,8]	5,75 - [146,1]	3,92 - [99,6]	10000 - [689]
5,5 - [139,7]	9,625 - [244,5]	7,2 - [182,88]	4,892 - [124,3]	10000 - [689]

