



WIRESOLUTIONS
DOWNHOLE COMPLETION TOOLS

Shear Out Safety Joints

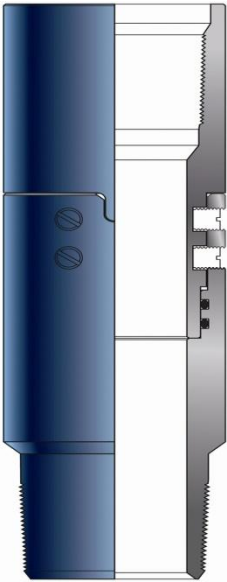


Shear Out Safety Joints

Sizes: 2 3/8 & 2 7/8

DESCRIPTION:

The Wireline Solutions Shear Out Safety Joint allows straight pull release of the tubing string at a controlled shear value where retrieval problems are anticipated. The Safety Joint is placed between a packer and a sand screen to provide means of releasing and retrieving the production string.



SHEAR VALUE:

The Shear Out Safety Joint can be run using from 2 to 12 brass shear pins, each valued at 5,000 lbs., allowing the shear value of the tool to be varied from 10,000 to 60,000 lbs. The tool is shipped with all 12 pins in place, unless specified otherwise. Remove the necessary number of shear pins required to obtain the desired releasing pull. The remaining pins should be as evenly spaced as possible.

In determining the desired shear-out force, two factors should be considered; pressure in favor of the tubing acts on a sealed-off area tending to shear the joint loose. The total weight of all tubing and equipment suspended below the joint is carried by the shear pins. The shear-out force should be sufficiently high to overcome both of these forces.

SIZE	PART NUMBER	MAX O.D.	NOM I.D.	STANDARD BOX X PIN	O-RING (2 REQUIRED)
2 3/8"	001561237260100	3.094	1.93	2 3/8" EU 8 RND	#229
2 7/8"	001561287440100	3.719	2.44	2 7/8" EU 8 RND	#233
3 1/2"	001561350620100	4.500	3.00	3 1/2" EU 10 RND	
4 1/2"	001561450820100	5.031	3.90	4 1/2" LTC 8 RND	