

QUICK LOCK CONNECTION

The Quick Lock Connection provides a method of attaching and releasing tools by hand. The male half is mated with the female half, then rotated through 90 degrees. A spring loaded spade in the female section engages a slot in the male section and locks the assembly in place. It is released by pushing upon the spring and rotating again through 90 degrees. It eliminates the chance of items backing off and does away with the need for pipe wrenches.

ADVANTAGES :

- The joint strength of wireline tools with quick lock connections is much higher than the joint strength of API sucker rod connection.
- There is no need to use wrenches to make or break connections.
- It is a safer & faster method of connection.
- There is no possibility of unscrewing downhole.

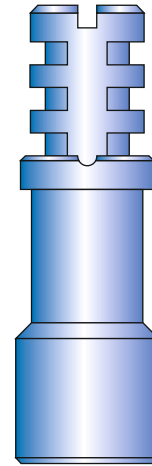
The Quick Lock Connections are available in following sizes:

- 1) 1-1/2
- 2) 1-7/8
- 3) 2-1/8

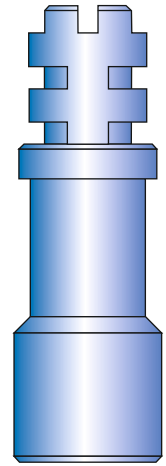
Design Parameters of Sucker Rod Threads & Quick Lock Connection

Thread / QLS	Design Tensile *	Design Shear *	Ultimate Tensile
15/16 - 10 SRT	47,584 lbs.	68,475 lbs.	72,966 lbs.
1-1/16 - 10 SRT	63,910 lbs.	79,888 lbs.	96,600 lbs.
1-9/16 - 10 SRT	148,819 lbs.	195,382 lbs.	228,200 lbs.
1-1/2 QLS	51,128 lbs.	60,258 lbs.	77,700 lbs.
1-7/8 QLS & 2-1/8 QLS	77,605 lbs.	74,409 lbs.	119,000 lbs.

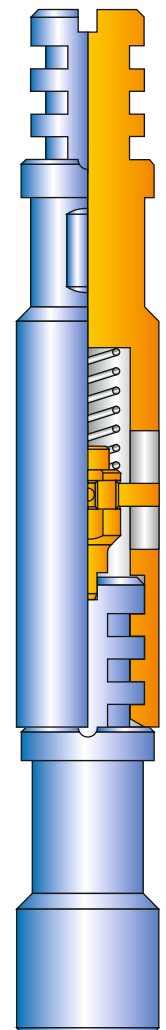
* Values shown are for guidance only.



**QUICK LOCK
MALE-SUB**



**DOUBLE SHOULDER
QUICK LOCK
MALE-SUB**



**QUICK LOCK
ASSY.**