

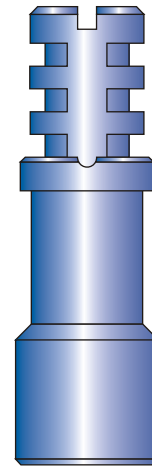


## QUICK LOCK CONNECTION

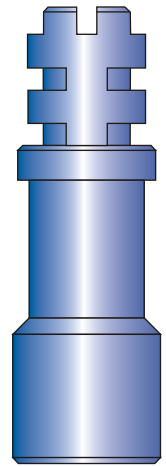
Quick Lock Connection provides a fast safe and strong method of attaching and releasing tools by hand. The male half is mated with the female half, then rotated through 90 deg. Whereon a spring loaded spade in the female section engages a slot in the male section and locks the assembly in place. It is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

### ADVANTAGES :

- Joint strength of Wireline Tools with Quick Lock Connection is much higher than joint strength of API Sucker Rod Connection.
- There is no need to use wrenches to make or break connection.
- It is safer & faster method of connection.
- There is no possibility of unscrewing downhole.



**QUICK LOCK  
MALE-SUB**



**DOUBLE SHOULDER  
QUICK LOCK  
MALE-SUB**

The Quick Lock Connections are available in following sizes:

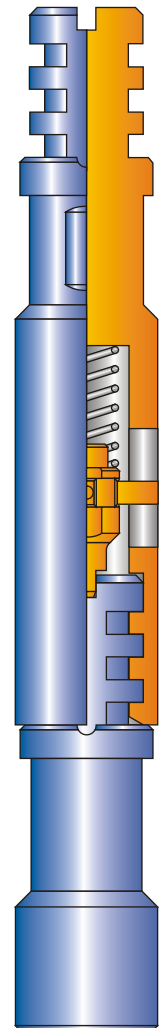
- 1) 1-1/2
- 2) 1-7/8
- 3) 2-1/8

### Design Parameters of Sucker Rod Threads & Quick Lock Connection

THREAD / QLS YIELD STRENGTH	DESIGN TENSILE * STRENGTH	DESIGN SHEAR * STRENGTH	ULTIMATE TENSILE
15/16 - 10 SRT	47584 lbs.	68475 lbs.	72966 lbs.
1-1/16 - 10 SRT	63910 lbs.	79888 lbs.	96600 lbs.
1-9/16 - 10 SRT	148819 lbs.	195382 lbs.	228200 lbs.
1-1/2 QLS	51128 lbs.	60258 lbs.	77700 lbs.
1-7/8 QLS & 2-1/8 QLS	77605 lbs.	74409 lbs.	119000 lbs.

\* Theoretical values for guidance only.

Suitable safety factor to be considered when in use.



**QUICK LOCK  
ASSY.**