



BRACE TOOL

OILFIELD, WIRELINE & DOWNHOLE TOOLS

R/RN Lock Mandrel



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R Lock Mandrel

The R Lock Mandrel is a selective lock which can be installed in the chosen R landing nipple in a series of R nipples. It has retractable keys with straight shoulders and an integrated packing mandrel that allow the tool to lock into a profile nipple and create a seal. This allows the lock to create or hold pressure from above or below based on the equalizing assembly being used.

RN Lock Mandrel

The RN Lock Mandrel is the non-selective version of the R Lock Mandrel. The keys have angled shoulders, and the lock is designed to stop against the No-Go diameter at the bottom of an RN Nipple. The RN lock is used in single installations or installed in the bottom RN nipple in a series of R profile nipples. RN Locks have a higher pressure from above rating than R locks of the same size.

Application:

- Isolating pressure from either above or below the lock during pressure testing.
- Plugging tubing strings for tubular snubbing operations.
- Restricting and regulating downhole flow.
- Subsurface safety valve systems.

Key Features & Benefits:

- Available in a variety of sizes to work with new and existing R and RN profile nipples.
- Retractable locking keys with angled shoulders that provide reliable locking, and ease of retrieval.
- Compatible with standard weight tubing, ensuring ease of integration into diverse completion setups.

Technical Data - R Lock Mandrel				
Nominal Size	1.710"	1.781"	1.875"	2.00"
Assembly Number	08-02-R-171-A0	08-02-R-178-A0	08-02-R-187-A0	08-02-R-200-A0
Bottom Thread Connection	1.125"-16 UN-2A	1.375"-14 UN-2A	1.375"-14 UN-2A	1.375"-14 UN-2A
Fishneck Size	1.062"	1.375"	1.375"	1.375"
Maximum O.D.	1.680"	1.750"	1.844"	1.965"
Technical Data - R Lock Mandrel				
Nominal Size	2.125"	2.188"	2.313"	2.56"
Assembly Number	08-02-R-212-A0	08-02-R-218-A0	08-02-R-231-A0	08-02-R-256-A0
Bottom Thread Connection	1.375"-14 UN-2A	1.750"-12 UN-2A	1.750"-12 UN-2A	2.00" – 12 SLB
Fishneck Size	1.375"	1.812"	1.812"	1.812"
Maximum O.D.	2.080"	2.150"	2.280"	2.531"

Speak with a Brace Tool sales representative to explore the different configurations available on this tool and discover how we can match your requirements.

Technical Data - RN Lock Mandrel				
Nominal Size	1.710"	1.781"	1.875"	2.00"
Assembly Number	08-02-RN-171-A0	08-02-RN-178-A0	08-02-RN-187-A0	08-02-RN-200-A0
Bottom Thread Connection	1.125"-16 UN-2A	1.375"-14 UN-2A	1.375"-14 UN-2A	1.375"-14 UN-2A
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