



SECTION XIV: LOCK MANDRELS

Type 'ROTR' and Type 'ROTRN' Lock Mandrel Assembly with Safety Spring

Rebco Lock Mandrels with Safety Spring and Shear Pin(s) feature holds the Key Expander Sleeve locked under flowing conditions.

Lock Mandrels (PRODUCT CODE 18) in addition to Safety Spring and Shear Pin(s), have Expander Sleeve (DET 2) and Key Retainer (DET 3) different than the ones used in Product Code 10 Lock Mandrels.

Product Code: 18

NOTE: When ordering, Rebco will supply these Lock Mandrels as a first option. Lock Mandrels shown in Product Code 10 within the same Size Range itemized below are not stocked.

TECHNICAL DATA

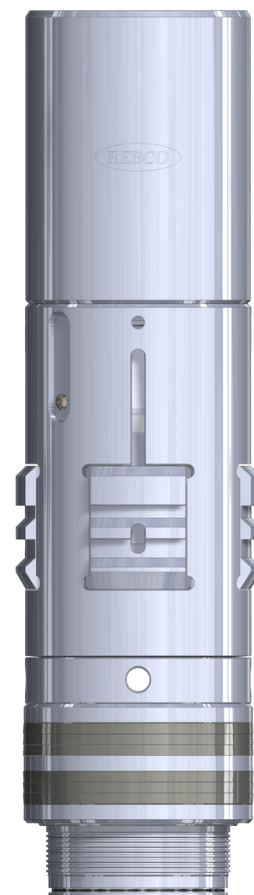
NIPPLE SEAL BORE		3.437"	3.688"	3.813"	4.125"	4.313"
ASSEMBLY NUMBER	ROTR	18132034330	18132036830	18132038130	18132041230	18132043130
	ROTRN	18131034330	18131036830	18131038130	18131041230	18131043130

ENGINEERING DATA:

LOCK ID	1.94"	2.38"	2.12"	2.75"	2.62"
PACKING OD	3.437"	3.688"	3.813"	4.125"	4.313"
BOTTOM THREAD	2 3/4"-12 SLB	3 1/16"-12 SLB	3 1/16"-12 SLB	3 1/4"-12 SLB	3 1/4"-12 SLB
LENGTH	14.2"	14.37"	14.77"	14.38"	14.39"
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy

ACCESSORIES:

REDRESS KIT	Mandrel	10132024343	10132024368	10132024381	10132024412	10132024431
	Safety	18132024343	18132024368	18132024381	18132024412	18132024431
RUNNING TOOL - 'ROTR'		41132034300	41132036800	41132038100	41132041200	41132043100
PULLING TOOL - 'ROTRN'		40051331200	40051336804	40051336804	40051436804	40051336804



'ROTR' Lock



SECTION XIV: LOCK MANDRELS

Type 'ROTR' and Type 'ROTRN' Lock Mandrel Assembly with Safety Spring:

TECHNICAL DATA

NIPPLE SEAL BORE		4.562"	4.813"
ASSEMBLY NUMBER	ROTR	18132045630	18132048130
	ROTRN	18131045630	18131048130

ENGINEERING DATA:

LOCK ID	2.85"	3.12"
PACKING OD	4.562"	4.813"
BOTTOM THREAD	3 3/4"-12 SLB	4"-12 SLB
LENGTH	14.92"	14.6"
MATERIAL *	Norm Alloy	Norm Alloy

ACCESSORIES:

REDRESS KIT	Mandrel	10132024456	10132024481
	Safety	18132024456	18132024481
RUNNING TOOL - 'ROTR'		41132045600	41132048100
PULLING TOOL - 'ROTRN'		40051345600	40051345600

* Norm Alloy is suitable for H2S Service (NACE MR-01-75, Latest Revision)

Lock Mandrels with [Safety Spring and Shear Pin\(s\)](#) feature are available in a Variety of Materials, suitable for down-hole conditions.



'ROTRN' Lock