



SECTION XIV: LOCK MANDRELS

Type 'ROTX' Lock Mandrel Assembly: 1.250" – 4.562"

Rebco Type 'ROTX' Lock Mandrel is a Selective Set Lock to be set in Type 'ROTX' Landing Nipple of the same Size.

Lock Mandrels are available in a variety of Materials, suitable for down-hole conditions.

Product Code: 10

Lock Mandrels with Safety Spring, and Interference Hold Down are available, see PRODUCT 17 and 18

TECHNICAL DATA

NIPPLE SEAL BORE	1.250"	1.500"	1.625"	1.875"
ASSEMBLY NUMBER	10182012530	10182015030	10182016230	10182018730

ENGINEERING DATA:

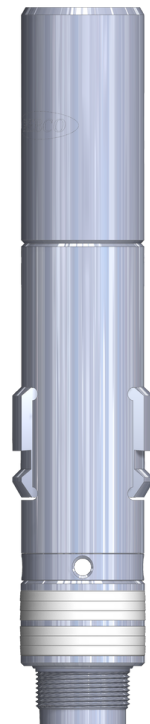
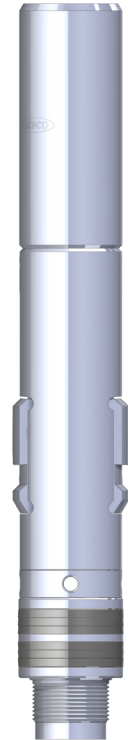
LOCK ID	.62"	.75"	.75"	1.00"
FISHING NECK ID	.88"	1.06"	1.06"	1.38"
PACKING OD	1.250"	1.500"	1.625"	1.875"
LENGTH	13.32"	13.44"	13.44"	13.38"
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
BOTTOM THREAD	7/8" - 20	1 1/8" - 16	1 1/8" - 16	1 3/8" - 14
RUNNING TOOL - 'ROTX'	41182012500	41182015000	41182016200	41182018700
PULLING TOOL - 'ROTGR'	40051312500	40051315000	40051315000	40051318700

TECHNICAL DATA

NIPPLE SEAL BORE	2.313"	2.750"	2.813"	2.875"
ASSEMBLY NUMBER	10182023130	10182027530	10182028130	10182028730

ENGINEERING DATA:

LOCK ID	1.38"	1.75"	1.75"	1.75"
FISHING NECK ID	1.81"	2.31"	2.31"	2.31"
PACKING OD	2.313"	2.750"	2.813"	2.875"
LENGTH	13.50"	13.75"	13.75"	13.75"
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
BOTTOM THREAD	1 3/4" - 12	2 1/4"-12 SLB	2 1/4"-12 SLB	2 1/4"-12 SLB
RUNNING TOOL - 'ROTX'	41182023100	41182027500	41182028100	41182028700
PULLING TOOL - 'ROTGR'	40051323100	40051327500	40051327500	40051327500





SECTION XIV: LOCK MANDRELS

Type '**ROTX**' Lock Mandrel Assembly: **3.313" – 4.562"**

Product Code: 18

Safety Spring Feature is a positive locking feature preventing the Lock Mandrel to unlock due to some forces caused by well conditions.

Shear Pin is installed prior to running the Lock into the well, once set, the Shear Pin lodges itself between the Expander Sleeve and Key Retainer, creating positive feature.

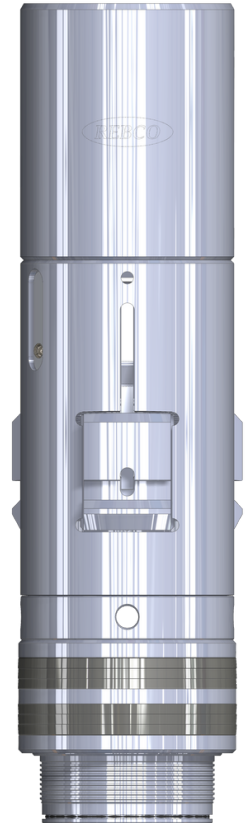
TECHNICAL DATA

NIPPLE SEAL BORE	3.313"	3.813"	4.313"	4.562"
ASSEMBLY NUMBER	18182033130	18182038130	18182043130	18182045630

ENGINEERING DATA:

LOCK ID	2.12"	2.62"	2.62"	3.12"
FISHING NECK ID	2.62"	3.12"	3.12"	4.00"
PACKING OD	3.313"	3.813"	4.313"	4.562"
LENGTH	14.51"	14.25"	14.39"	14.69"
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
BOTTOM THREAD	2 3/4"-12 SLB	3 1/16"-12 SLB	3 1/4"-12 SLB	4" – 12 SLB
RUNNING TOOL - ' ROTX '	41182033100	41182038100	41182043100	41182045600
PULLING TOOL - ' ROTGR '	40051331202	40051336804	40051436804	40051345600

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



Rebco offers Check Set Tools (Product Code 41) for all '**ROTX**', '**ROTXN**', '**ROTR**' and '**ROTRN**' Type Locks

Check Set Tool is used to "Check" the proper setting of the Lock in the Landing Nipple.

See [Section II - C: SPECIALTY SERVICE TOOLS](#)

