



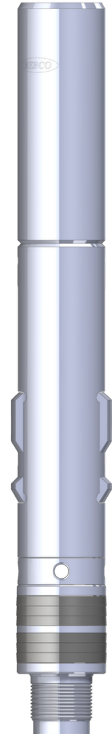
SECTION XIV: LOCK MANDRELS

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

Rebco Type 'ROTXN' Lock Mandrel has chamfered keys, and when a Bottom Sub is added, it becomes a No-Go Lock Mandrel. It is to be landed in a Type 'ROTXN' Landing Nipple of the same size.

Product Code: 10

TECHNICAL DATA				
NIPPLE SEAL BORE	1.250"	1.500"	1.625"	1.875"
ASSEMBLY NUMBER	10181012530	10181015030	10181016230	10181018730
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	10181023130	10181027530	10181028130	10181028730
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	13.31"	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



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



SECTION XIV: LOCK MANDRELS

Type 'ROTXN' 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 (DET 11) is installed prior to running the Lock into the well, once set, the Shear Pin lodges itself between the Expander Sleeve (DET 2) and Key Retainer (DET 3), creating Positive feature.

TECHNICAL DATA

NIPPLE SEAL BORE	3.313"	3.813"	4.313"	4.562"
ASSEMBLY NUMBER	18181033130	18181038130	18181043130	18181045630

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 - 'ROTG'	40051331200	40051336804	40051436804	40051345600

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

