



SECTION XIV: LOCK MANDRELS

Type 'ROTF', 'ROTM', 'ROTE', and 'ROTK' Lock Mandrel Sub-Assemblies

Type 'ROTF', 'ROTM', 'ROTE', and 'ROTK' Lock Mandrel Sub-Assemblies are devices used to position and secure Wireline retrievable downhole equipment into pre-set Tubing Nipples with appropriate profiles.

The Locks provide a large flow areas through internal Fishing Neck. The Latch with Collet type locking fingers prevent upward movement, while No-Go shoulders prevent downward movement.

Type 'ROTE' & 'ROTK' (Bottom No-Go) Lock Mandrel Sub-Assembly: 2.750" – 3.812"

Rebco Type 'ROTE', and Type 'ROTK' are Bottom No-Go, Lock Mandrel Sub-Assembly to be set into Type 'BR' Landing nipple.

Type 'ROTK' Lock is basically a Type 'ROTE' Lock Sub-Assembly less the Packing Unit and Packing Mandrel.

TECHNICAL DATA

NOMINAL SIZE		3 1/2"	
SEAL BORE SIZE		2.75"	2.81"
LOCK MANDREL SUB ASSEMBLY	TYPE 'ROTE' (DET 1-6) SUB-ASS'Y NUMBER	10042027503	10042028103
	TYPE 'ROTK' (DET 1-8) SUB-ASS'Y NUMBER	10242027503	10242028103

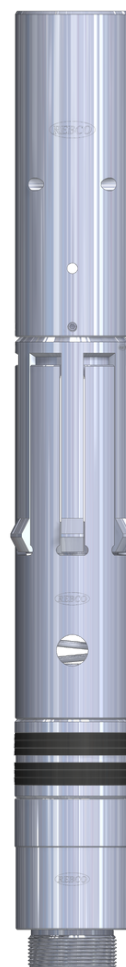
ENGINEERING DATA:

MAXIMUM OD		BODY	2.71"	2.71"
		Packing Unit	2.750"	2.812"
FISHING NECK SIZE (ID)			2.31"	2.31"
TYPE 'ROTE'	BOTTOM THREAD	BOX	2 21/64" - 16	2 21/64" - 16
TYPE 'ROTK'		PIN	2 7/64" - 11 1/2	2 7/64" - 11 1/2
MINIMUM ID		TYPE 'ROTE'	1.84"	1.84"
		TYPE 'ROTK'	1.75"	1.75"
LENGTH		TYPE 'ROTE'	16.78"	16.78"
		TYPE 'ROTK'	22.74"	22.74"
MATERIAL			Norm Alloy	Norm Alloy

Running/Pulling Tool - 'ROTGS'	40051427500	40051427500
Running/Pulling Prong - 'ROTM'	41092750	41092810



Type 'ROTE'



Type 'ROTK'



SECTION XIV: LOCK MANDRELS

Type 'ROTE' & 'ROTK' (Bottom No-Go) Lock Mandrel Sub-Assembly:

TECHNICAL DATA				
NOMINAL SIZE		4 1/2"		
SEAL BORE SIZE		3.688"	3.750"	3.812"
LOCK MANDREL SUB ASSEMBLY	TYPE 'ROTE' (DET 1-6) SUB-ASS'Y NUMBER	10252036803	10252037503	10252038103
	TYPE 'ROTK' (DET 1-8) SUB-ASS'Y NUMBER	10092036803	10092037503	10092038103
ENGINEERING DATA:				
MAXIMUM OD	BODY	3.62"	3.62"	3.62"
	Packing Unit	3.688"	3.750"	3.812"
FISHING NECK SIZE (ID)		3.12"	3.12"	3.12"
TYPE 'ROTE'	BOTTOM THREAD	BOX	3 3/8" - 8	3 3/8" - 8
TYPE 'ROTK'		PIN	3 1/32" - 12	3 1/32" - 12
MINIMUM ID	TYPE 'ROTE'	2.75"	2.75"	2.75"
	TYPE 'ROTK'	2.43"	2.43"	2.43"
LENGTH	TYPE 'ROTE'	16.39"	16.39"	16.39"
	TYPE 'ROTK'	20.57"	20.57"	20.57"
MATERIAL		Norm Alloy	Norm Alloy	Norm Alloy
Running/Pulling Tool - 'ROTGS'		40051436804	40051436804	40051436804
Running/Pulling Prong - 'ROTM'		41094500	41094500	41094500



Type 'ROTE'



Type 'ROTK'

Rebco Type 'ROTE', and 'ROTK' Lock Mandrel Sub-Assemblies are available in variety of Materials for down-hole conditions.