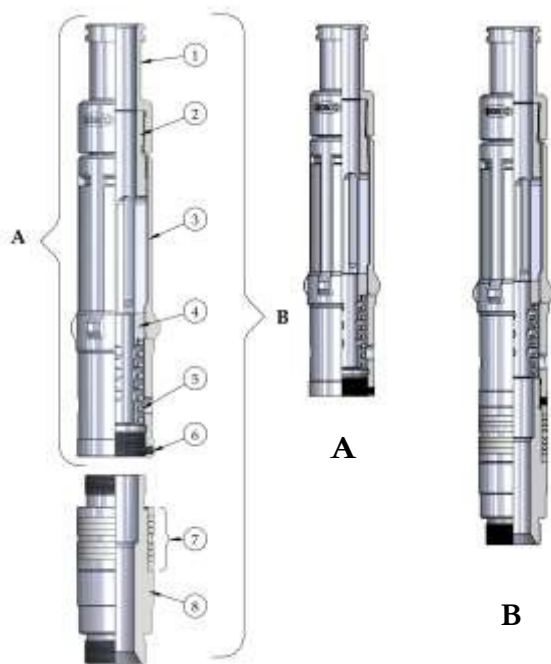


Product Code: 10

Type **'ROTG'**, **'ROTN'**, **'ROTL'**, and **'ROTR'** Lock Mandrel Sub-Assemblies are devices used to position and secure Wireline retrievable downhole equipment into pre-set Tubing Nipples with appropriate profiles.

These Locks have External Fishing Neck and large flow areas for use in high volume completions. The Latch with Collet type locking fingers prevent upward movement, while **No-Go** shoulders prevent downward movement.

Top No-Go: **'ROTG'** **'ROTN'**



Bottom No-Go: **'ROTR'** **'ROTL'**

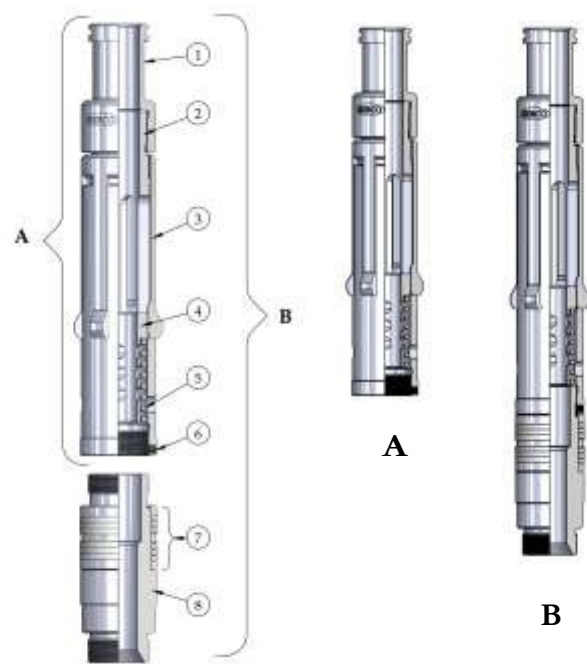


Table 1: Running and Pulling Tools required

LOCK SIZE		TO RUN		TO PULL	
NOM	SEAL BORE	RUNNING TOOL 'ROTC-1'	SHANK 'BN-1'	PULLING TOOL 'ROTRB'	PROBE 'BN-1'
2 3/8"	1.781	2 3/8" 41021202370	2 3/8" 81101852301	2" 4013012000	2 3/8" 41011012370
	1.812				
	1.875				
2 7/8"	2.250	2 7/8" 41021202870	2 7/8" 81101852701	2 1/2" 4013012500	2 7/8" 41011012870
	2.312				



SECTION XIV: LOCK MANDRELS

2021

REBCO

Product Code: 10

Type '**ROTG**' & '**ROTN**' (Top No-Go) Lock Mandrel Sub-Assembly: 2 3/8" – 2 7/8"

Rebco Type '**ROTG**' and Type '**ROTN**' are Top No-Go, Lock Mandrel Sub-Assembly to be set into Type '**BF**' and Type '**BJ**' Landing nipples, and Type '**BL**' Sliding Sleeve.

Type '**ROTG**' Lock is basically a Type '**ROTN**' Lock Sub-Assembly less the Packing Unit and Packing Mandrel.

NOMINAL SIZE	2" (2 3/8")			2 1/2" (2 7/8")	
SEAL BORE SIZE	1.781"	1.812"	1.875"	2.250"	2.312"

LOCK MANDREL SUB ASSEMBLY	TYPE ' ROTG ' (DET 1-6) SUB-ASS'Y NUMBER	10052017803	10052018103	10052018703	10052022503	10052023103
	TYPE ' ROTN ' (DET 1-8) SUB-ASS'Y NUMBER	10102017803	10102018103	10102018703	10102022503	10102023103

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO	PART NO
TYPE ' ROTG ' (DET 1-6)		LOCK MANDREL SUB-ASSEMBLY					
1	FISHING NECK	1					
2	LATCH MANDREL	1					
3	LATCH	1					
4	PLUNGER	1					
5	SPRING	1					
6 *	SET SCREW	2					

TYPE ' ROTN ' (DET 1-6, 7, 8)		LOCK MANDREL SUB-ASSEMBLY					
7	PACKING MANDREL	1					
8 *	PACKING UNIT	1 Set					

Re Dress Kit (* Included as Part of Kit)							
NOTE: For Packing Unit (DET 8) - only 'V' Packing							
TYPE ' ROTG ' (DET 3)							
TYPE ' ROTN ' (DET 3 and 'V' Packing)							

ENGINEERING DATA:

MAXIMUM OD (No-Go)			1.802"	1.865"	1.925"	2.302"	2.364"
FISHING NECK SIZE (ID)			1.375"	1.375"	1.375"	1.750"	1.750"
TYPE 'ROTG'	BOTTOM	BOX	1.406" - 14	1.406" - 14	1.406" - 14	1.813" - 14	1.813" - 14
TYPE 'ROTN'	THREAD	PIN	1.470" - 14	1.470" - 14	1.470" - 14	1.802" - 14	1.802" - 14
MINIMUM ID	TYPE 'ROTG'		.807"	.807"	.807"	1.12"	1.12"
	TYPE 'ROTN'		.807"	.807"	.807"	1.12"	1.12"
LENGTH	TYPE 'ROTG'		12.75"	12.75"	12.75"	12.75"	12.75"
	TYPE 'ROTN'		17.38"	17.38"	17.38"	17.38"	17.38"
WEIGHT lbs (kg)	TYPE 'ROTG'		3.9 (1.80)	3.9 (1.80)	3.9 (1.80)	5.8 (2.65)	5.8 (2.65)
	TYPE 'ROTN'		6.7 (3.04)	6.7 (3.04)	6.7 (3.04)	8.9 (4.04)	8.9 (4.04)
MATERIAL			Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy

Tools Required: For Running and Pulling, with Accessories - SEE PAGE (XIV-17) above

Lock Mandrel Sub-Assemblies are available in variety of Materials, suitable for down-hole conditions.