



REBCO OIL TOOLS

EXCEEDING EXPECTATIONS ONE
TOOL AT A TIME

Running Tools Equipment



SECTION III: RUNNING TOOLS

PRODUCT DESCRIPTION: RUNNING TOOLS

PRODUCT CODE(S): 41

RUNNING TOOLS were designed primarily to set or position downhole flow controls and devices to a predetermined depth in the well by Wireline methods.

In general, these RUNNING TOOLS are attached to these devices by means of the SHEAR PINS, and other methods. When desired setting depth has been reached, manipulation of the Wireline Tool String places the devices in the SET or LOCKED position; and releases from the device by cutting the shear pin or pins which have held the running tool to the device.

The following pages will list some of the most common RUNNINGTOOL types offered by *Rebco*. The RUNNING TOOL names are often associated with the names for the devices used.

Example: 41182027500 Type 'ROTX' Running Tool Assembly

- Used to SET downhole devices made up with Type 'ROTX' Lock Mandrels.





SECTION III: RUNNING TOOLS

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SECTION III: RUNNING TOOLS

Product Code: 41

Type 'BG' Running Tool: 2 3/8" - 4 1/2"

Rebco Type 'BG' Running Tool is used to locate any one of the selective seal profiles in the well that accept accessories equipped with 'ROTS-1' or 'ROTS-2' Lock Sub-Assembly.

TECHNICAL DATA

NOMINAL SIZE	2 3/8"	2 1/2"	3 1/2"	4 1/2"
ASSEMBLY NUMBER	4101052370	4101052870	4101053500	4101054500

ENGINEERING DATA:

MAXIMUM OD	1.920"	2.357"	2.857"	3.937"
PIN THREAD CONNECTION	15/16" - 10	15/16" - 10	1 1/16" - 10	1 1/16" - 10
FISHING NECK OD	1.375"	1.750"	2.313"	3.125"
BOTTOM THREAD (SHANK)	1/2" - 13	1/2" - 13	5/8" - 11	5/8" - 11
TO RUN FISHING NECK OD	1.375"	1.750"	2.313"	3.125"
LENGTH	20.22"	19.25"	19.56"	27.44"
MATERIAL	Alloy	Alloy	Alloy	Alloy





SECTION III: RUNNING TOOLS

Type 'ROTC-1' Running Tool Assembly: 1.660" – 4 1/2"

Rebco Type 'ROTC-1' Running Tool is used to run in and land various types of Flow Control devices with external Fishing Neck.

Note: The Running Tool is run with either a Thread Protector (DET 2) or Locating Ring (DET 4), depending on the application.

TECHNICAL DATA

NOMINAL SIZE	1.660"	1.900" - 2 1/16"	2 3/8"
ACCESSORY SIZE	1.18" - 1.25"	1.43" - 1.62"	1.78" - 1.87"
ASSEMBLY NUMBER	41021201660	41021202060	41021202370

ENGINEERING DATA:

MAXIMUM OD	1.125"	1.406"	1.718"
PIN THREAD CONNECTION	5/8" -11	15/16" - 10	15/16" - 10
BOX (INSIDE) THREAD	7/16" - 14	5/8" - 11	3/4" - 16
FISHING NECK OD	.875"	1.187"	1.375"
LENGTH	7.25"	6.88"	7.25"
MATERIAL	Alloy	Alloy	Alloy



ACCESSORIES: LOCATOR RING - DET 4

SIZE	PART NO	SIZE	PART NO	SIZE	PART NO
1.18"	1680117300	1.43"	1680117500	1.78"	1680117900
1.25"	1680117400	1.50"	1680117600	1.81"	1680118000
		1.56"	1680117700	1.87"	1680118100
		1.62"	1680117800		





SECTION III: RUNNING TOOLS

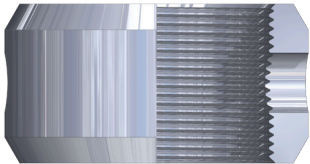
Type 'ROTC-1' Running Tool Assembly:

TECHNICAL DATA			
NOMINAL SIZE	2 7/8"	3 1/2"	4 1/2"
ACCESSORY SIZE	2.25" - 2.31"	2.75" - 2.81"	3.68" - 3.81"
ASSEMBLY NUMBER	41021202870	41021203500	41021204500
ENGINEERING DATA:			
MAXIMUM OD	2.187"	2.687"	3.562"
PIN THREAD CONNECTION	15/16" - 10	1 1/16" - 10	1 1/16" - 10
BOX (INSIDE) THREAD	1" - 14	1" - 14	1" - 14
FISHING NECK OD	1.750"	2.313"	3.125"
LENGTH	6.88"	7.12"	9.25"
MATERIAL	Alloy	Alloy	Alloy



ACCESSORIES: LOCATOR RING - DET 4

SIZE	PART NO	SIZE	PART NO	SIZE	PART NO
2.25"	1680118200	2.75"	1680118400	3.68"	2200194500
2.31"	1680118300	2.81"	1680118500	3.81"	2200194600





SECTION III: RUNNING TOOLS

Type 'ROTC-2' Running Tool Assembly: 1.900" – 3 1/2"

Rebco Type 'ROTC-2' Running Tool is used to locate any one of the selective seal profiles in the well that accept accessories equipped with 'ROTS-1' or 'ROTS-2' Lock Sub-Assembly.

The flexibility of the Collet (DET 2) acts a locator of the Seal Bore.

TECHNICAL DATA

NOMINAL SIZE	1.900" - 2 1/16"			
ACCESSORY SIZE	1.43"	1.50"	1.56"	1.62"
ASSEMBLY NUMBER	410221430	410221500	410221560	410221620

ENGINEERING DATA:

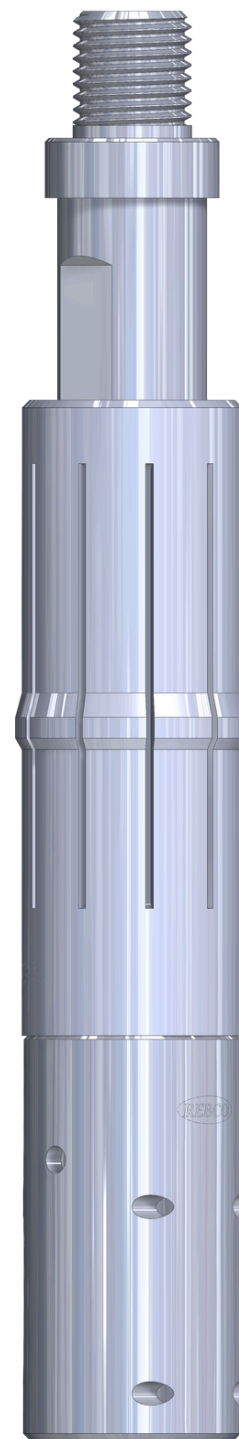
MAXIMUM OD (NO-GO)	1.470"	1.533"	1.595"	1.658"
PIN THREAD CONNECTION	5/8" - 11	5/8" - 11	5/8" - 11	5/8" - 11
BOX (INSIDE) THREAD	5/8" - 11	5/8" - 11	5/8" - 11	5/8" - 11
FISHING NECK OD	1.000"	1.000"	1.000"	1.000"
LENGTH	10.88"	10.88"	10.88"	10.88"
MATERIAL	Alloy	Alloy	Alloy	Alloy

TECHNICAL DATA

NOMINAL SIZE	2 3/8"		
ACCESSORY SIZE	1.78"	1.81"	1.87"
ASSEMBLY NUMBER	410221780	410221810	410221870

ENGINEERING DATA:

MAXIMUM OD (NO-GO)	1.808"	1.845"	1.908"
PIN THREAD CONNECTION	15/16" - 10	15/16" - 10	15/16" - 10
BOX (INSIDE) THREAD	3/4" - 16	3/4" - 16	3/4" - 16
FISHING NECK OD	1.375"	1.375"	1.375"
LENGTH	11.25"	11.25"	11.25"
MATERIAL	Alloy	Alloy	Alloy





SECTION III: RUNNING TOOLS

Type 'ROTC-2' Running Tool Assembly:

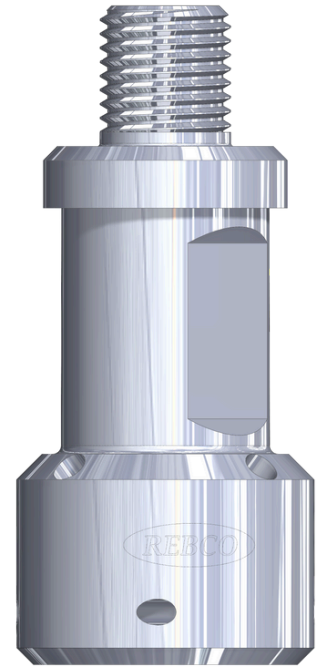
TECHNICAL DATA					
NOMINAL SIZE	2 7/8"		3 1/2"		
ACCESSORY SIZE	2.25"	2.31"	2.56"	2.75"	2.81"
ASSEMBLY NUMBER	410222250	410222310	410222560	410222750	410222810
ENGINEERING DATA:					
MAXIMUM OD (NO-GO)	2.281"	2.343"	2.596"	2.786"	2.845"
PIN THREAD CONNECTION	15/16" - 10	15/16" - 10	15/16" - 10	15/16" - 10	15/16" - 10
BOX (INSIDE) THREAD	1" - 14	1" - 14	1" - 14	1" - 14	1" - 14
FISHING NECK OD	1.375"	1.375"	1.375"	1.375"	1.375"
LENGTH	12.44"	12.44"	12.44"	12.44"	12.44"
MATERIAL	Alloy	Alloy	Alloy	Alloy	Alloy



SECTION III: RUNNING TOOLS

Type 'ROTJ' Running Tool Assembly: 3/4" – 4"

The **Rebco 'ROTJ'** Running Tool is designed for setting locks equipped with external fishing necks. It provides a reliable method of attaching sub-surface devices to the wireline tool string using a shear pin mechanism. The tool ensures secure deployment and easy release once the desired setting depth is achieved.



TECHNICAL DATA							
NOMINAL SIZE	ASSEMBLY PART NUMBER	ENGINEERING DATA					
		LENGTH	THREAD CONNECTION		FISHING NECK OD	MAX OD	RUNNING NECK ID *
			PIN	PRONG			
3/4"	410736	2.44"	1/2" - 13	#5/40	.687"	.69"	.413"
1"	410733	2.81"		1/4" - 20		.81"	.581"
1 1/4"	410726	4.38"	5/8" - 11	3/8" - 16	1.000"	1.12"	.817"
1 1/2"	410728	5.12"	15/16" - 10		1/2" - 13	1.187"	1.42"
2"	41071	4.69"		1.375"		1.62"	1.163"
2 1/2"	410714			1.750"	2.12"	1.574"	
3"	41073	5.12"	1 1/16" - 10	5/8" - 11	2.313'	2.50"	1.950"
4"	410725	5.62"				3.50"	2.885"

* Running Neck ID is determined by the Type of Sub-Surface Tool used. If '**ROTJ**' Running Tool listed in the box is not suitable, please Specify Fishing Neck Size or Tool Type when ordering.



SECTION III: RUNNING TOOLS

Type 'ROTP' Running Tool Assembly: 1 3/16" – 3"

The **Rebco 'ROTP'** Running Tool is specifically designed for use with sub-surface devices featuring removable prong assemblies. Its extended internal recess accommodates the prong fishing neck, which projects above the main tool fishing neck, ensuring proper alignment and secure running of the device into the wellbore.

* Running Neck ID is determined by the Type of Sub-Surface Tool used. If '**ROTP**' Running Tool listed in the box is not suitable, please Specify Fishing Neck Size or Tool Type when ordering.

Type '**ROTP**' Running Tool can be ordered with Prong Box Thread; please specify.



TECHNICAL DATA							
NOMINAL SIZE	ASSEMBLY PART NUMBER	ENGINEERING DATA					
		LENGTH	THREAD CONNECTION		FISHING NECK OD	MAX OD	RUNNING NECK ID *
			PIN	PRONG			
1 3/16"	41113	6.19"	5/8" - 11	None	1.000"	1.31"	.413"
1 1/2"	41117	6.00"	15/16" - 10	None	1.187"	1.42"	1.010"
2"	41111	8.00"		None	1.375"	1.69"	1.163"
2 1/2"	41112	7.50"		None	1.750"	2.00"	1.574"
3"	41116	5.12"	1 1/16" - 10	None	2.313"	2.50"	1.950"



SECTION III: RUNNING TOOLS

Type 'ROTR' Running Tool Assembly: 1.375" – 4.813"

The **Rebco 'ROTR'** Running Tool is engineered to run, locate, and set all Type 'ROTR' and Type 'ROTRN' sub-surface tools within their respective nominal sizes. It ensures precise engagement and secure deployment, offering dependable performance for various well intervention applications.

TECHNICAL DATA

NOMINAL SIZE	1.375"	1.500"	1.710"	1.781"	1.875"
ASSEMBLY NUMBER	41132013700	41132015000	41132017100	41132017800	41132018700

ENGINEERING DATA:

MAXIMUM OD (DOGS IN)	1.28"	1.47"	1.64"	1.75"	1.75"
PIN THREAD CONNECTION	5/8" - 11	15/16" - 10	15/16" - 10	15/16" - 10	15/16" - 10
FISHING NECK OD	1.000"	1.187"	1.187"	1.375"	1.375"
BOTTOM THREAD	3/8" - 16	3/8" - 16	3/8" - 16	1/2" - 13	1/2" - 13
LENGTH	29.4"	30.9"	30.9"	30.0"	30.0"
MATERIAL	Alloy	Alloy	Alloy	Alloy	Alloy

ACCESSORIES:

Assembly Sleeve (NS)	167151413137	167151413150	167151413150	167151413200	167151413200
Test Sleeve (NS)	1671514137	1671514150	1671514171	1671514178	1671514187





SECTION III: RUNNING TOOLS

Type 'ROTR' Running Tool Assembly:

TECHNICAL DATA

NOMINAL SIZE	2.000"	2.125"	2.188"	2.313"	2.562"
ASSEMBLY NUMBER	41132020000	41132021200	41132021800	41132023100	41132025600

ENGINEERING DATA:

MAXIMUM OD (DOGS IN)	1.94"	2.06"	2.17"	2.17"	2.50"
PIN THREAD CONNECTION	15/16" - 10	15/16" - 10	15/16" - 10	15/16" - 10	15/16" - 10
FISHING NECK OD	1.375"	1.375"	1.750"	1.750"	1.750"
BOTTOM THREAD	1/2" - 13	1/2" - 13	5/8" - 11	5/8" - 11	5/8" - 11
LENGTH	30.0"	30.0"	31.2"	31.2"	31.2"
MATERIAL	Alloy	Alloy	Alloy	Alloy	Alloy

ACCESSORIES:

Assembly Sleeve (NS)	167151413200	167151413250	167151413250	167151413250	167151413300
Test Sleeve (NS)	1671514200	1671514212	1671514218	1671514231	1671514256





SECTION III: RUNNING TOOLS

Type 'ROTR' Running Tool Assembly:

TECHNICAL DATA

NOMINAL SIZE	2.750"	2.813"	2.875"	3.125"	3.250"
ASSEMBLY NUMBER	41132027500	41132028100	41132028700	41132031200	41132032500

ENGINEERING DATA:

MAXIMUM OD (DOGS IN)	2.69"	2.69"	2.84"	3.10"	3.19"
PIN THREAD CONNECTION	1 1/16" - 10	1 1/16" - 10	1 1/16" - 10	1 1/16" - 10	1 1/16" - 10
FISHING NECK OD	2.313"	2.313"	2.313"	2.313"	2.313"
BOTTOM THREAD	3/4" - 10	3/4" - 10	3/4" - 10	1 3/8" - 12	1 3/8" - 12
LENGTH	32.0"	32.0"	32.0"	33.38"	33.38"
MATERIAL	Alloy	Alloy	Alloy	Alloy	Alloy

ACCESSORIES:

Assembly Sleeve (NS)	167151413300	167151413300	167151413300	167151413400	167151413400
Assembly Sleeve (NS)	1671514275	1671514281	1671514287	1671514312	1671514325





SECTION III: RUNNING TOOLS

Type 'ROTR' Running Tool Assembly:

TECHNICAL DATA

NOMINAL SIZE	3.437"	3.688"	3.813"	4.000"	4.125"
ASSEMBLY NUMBER	41132034300	41132036800	41132038100	41132040000	41132041200

ENGINEERING DATA:

MAXIMUM OD (DOGS IN)	3.41"	3.62"	3.75"	3.94"	3.94"
PIN THREAD CONNECTION	1 1/16" - 10	1 1/16" - 10	1 1/16" - 10	1 1/16" - 10	1 1/16" - 10
FISHING NECK OD	2.313"	2.313"	2.313"	2.313"	2.313"
BOTTOM THREAD	1 3/8" - 12	1 7/8" - 12	1 5/8" - 12	1 7/8" - 12	2 1/8" - 12
LENGTH	33.8"	33.3"	33.3"	33.38"	33.38"
MATERIAL	Alloy	Alloy	Alloy	Alloy	Alloy

ACCESSORIES:

Assembly Sleeve (NS)	167151413400	167151413450	167151413450	167151413450	167151413450
Test Sleeve (NS)	1671514343	1671514368	1671514381	1671514400	1671514412





SECTION III: RUNNING TOOLS

Type 'ROTR' Running Tool Assembly:

TECHNICAL DATA				
NOMINAL SIZE	4.313"	4.562"	4.750"	4.813"
ASSEMBLY NUMBER	41132043100	41132045600	41132047500	41132048100
ENGINEERING DATA:				
MAXIMUM OD (DOGS IN)	4.28"	4.50"	4.69"	4.75"
PIN THREAD CONNECTION	1 1/16" - 10	1 1/16" - 10	1 1/16" - 10	1 1/16" - 10
FISHING NECK OD	2.313"	3.125"	3.125"	3.125"
BOTTOM THREAD	2 1/8" - 12	2 3/16" - 12	2 1/2" - 10	2 1/2" - 10
LENGTH	33.3"	33.3"	33.3"	33.3"
MATERIAL	Alloy	Alloy	Alloy	Alloy

ACCESSORIES:

Assembly Sleeve (NS)	167151413450	167151413550	167151413550	167151413550
Test Sleeve (NS)	1671514431	1671514456	1671514475	1671514481

All **Rebco** Tools have Inconel® Springs - Tools are suitable for H₂S Service





SECTION III: RUNNING TOOLS

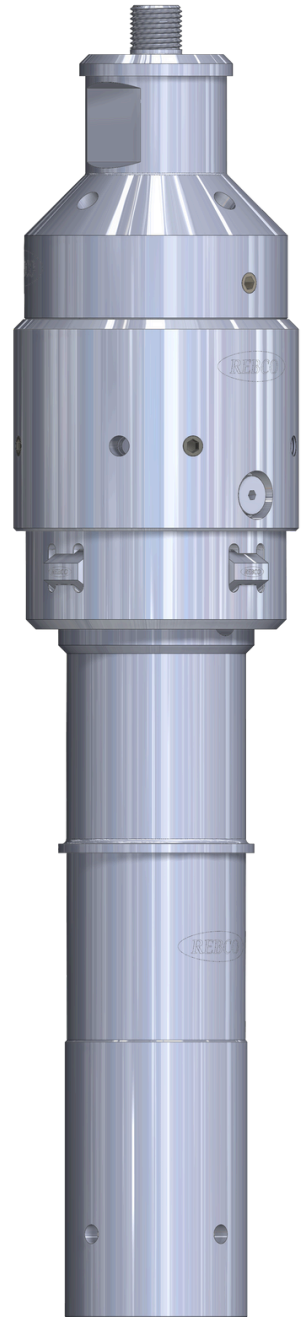
Type 'ROTRX' Running Tool Assembly: 1.375" – 4.813"

Rebco Type 'ROTR' Running Tool is designed to set Types: 'ROTR', 'ROTRN', 'ROTRQ', 'ROTRPT', 'ROTRNT', 'ROTX' and 'ROTXN' Locking Mandrels into its respective Nipple profiles.

This Running Tool is generally used to install tubing safety valves in the uppermost Landing Nipples.

With this Running Tool, the Lock Mandrels may be run with the Keys in the control or locating positions. The Lock Mandrel Keys or No-Go serves to locate the nipple rather than the Dogs on the Running Tool.

When a No-Go Lock is being run, the keys must be in the locating position and the Lock must be set in the first nipple in the bore of that lock size. The Running Tool gives a positive indication when the Lock is fully set.





SECTION III: RUNNING TOOLS

Type 'ROTRXN' Running Tool Assembly: 5.875"

Note: **Rebco** Type 'ROTRXN' Running Tool is the same as 'ROTRX' in its function; the difference is that 'ROTRXN' utilizes Retainer Dogs instead of the Lugs to attach the Lock Mandrel.

TECHNICAL DATA											
NOM SIZE	LOCK MANDREL GUIDE		ASSEMBLY PART NUMBER	FISHING NECK TO ENGAGE	ENGINEERING DATA						
	TYPE	SIZE			ACTUAL OD	FISHING NECK	CONNECTION		LENGTH		
							PIN	BOTTOM			
3"	'ROTX'	2.750"	41131827511	2.31"	2.62"			1 1/4" - 12	24.2"		
	'ROTR'	2.875"	41131828710								
4"	'ROTX'	3.688"	41131836810	3.12"	3.62"	2.313"	1 1/16" - 10	1 7/8" - 12	24.7"		
	'ROTR'										
	'ROTX'	3.813"	41131838110					2 1/8" - 12			
	'ROTR'		41131838112					1 5/8" - 12			
	'ROTRQ'		41131838111					2 1/8" - 12			
	'ROTR'		41131840010					1 7/8" - 12			
	'ROTR'	4.125"	41131841210					2 1/8" - 12			
	'ROTRQ'										
	'ROTX'	4.313"	41131843110								
	'ROTR'										
5"	'ROTX'	4.562"	41131845610	4.000"	4.50"	3.125"		2 1/2" - 10	24.8"		
	'ROTRQ'		41131845611								
	'ROTR'	5.250"	41131852510		5.37"			3" - 10	25.9"		
	'ROTRNT'	5.963"	41131859614								
	'ROTR'	5.875"	411318105870						29.31"		
7"	'ROTRQ'	5.875"	41131858711	5.375"	5.81"			3 3/8" - 12	26.7"		
	'ROTR'	5.963"	41131859610								
	'ROTRQ'										
	'ROTRQ'	6.000"	41131860010							3 3/8" - 10	



SECTION III: RUNNING TOOLS

Type 'ROTX' Running Tool Assembly: 1.250" – 4.562"

Rebco Type 'ROTX' Running Tool is designed to run, locate and set, within respective nominal size, all Type 'ROTX' and Type 'ROTXN' Sub-Surface Tools.

TECHNICAL DATA

NOMINAL SIZE	1.250"	1.500"	1.625"	1.875"	2.313"
ASSEMBLY NUMBER	41182012500	41182015000	41182016200	41182018700	41182023100

ENGINEERING DATA:

MAXIMUM OD (DOGS IN)	1.16"	1.41"	1.59"	1.75"	2.17"
PIN THREAD CONNECTION	5/8" - 11	15/16" - 10	15/16" - 10	15/16" - 10	15/16" - 10
FISHING NECK OD	1.000"	1.187"	1.187"	1.375"	1.750"
BOTTOM THREAD	3/8" - 16	3/8" - 16	3/8" - 16	1/2" - 13	5/8" - 11
LENGTH	29.4"	30.9"	30.9"	30.0"	31.2"
MATERIAL	Alloy	Alloy	Alloy	Alloy	Alloy

ACCESSORIES:

Assembly Sleeve (NS)	167151413137	167151413150	167151413150	167151413200	167151413250
Test Sleeve (NS)	1671514125	1671514150	1671514162	1671514187	1671514231





SECTION III: RUNNING TOOLS

Type 'ROTX' Running Tool Assembly:

TECHNICAL DATA

NOMINAL SIZE	2.750"	2.813"	2.875"	3.313"	3.688"
ASSEMBLY NUMBER	41182027500	41182028100	41182028700	41182033100	41182036800

ENGINEERING DATA:

MAXIMUM OD (DOGS IN)	2.69"	2.69"	2.84"	3.25"	3.62"
PIN THREAD CONNECTION	1 1/16" - 10	1 1/16" - 10	1 1/16" - 10	1 1/16" - 10	1 1/16" - 10
FISHING NECK OD	2.313"	2.313"	2.313"	2.313"	2.313"
BOTTOM THREAD	3/4" - 10	3/4" - 10	3/4" - 10	1 3/8" - 12	2 1/8" - 12
LENGTH	32.0"	32.0"	32.0"	33.38"	33.4"
MATERIAL	Alloy	Alloy	Alloy	Alloy	Alloy

ACCESSORIES:

Assembly Sleeve (NS)	167151413300	167151413300	167151413300	167151413350	167151413400
Test Sleeve (NS)	1671514275	1671514281	1671514287	1671514331	1671514368





SECTION III: RUNNING TOOLS

Type '**ROTX**' Running Tool Assembly:

TECHNICAL DATA				
NOMINAL SIZE	3.813"	4.000"	4.313"	4.562"
ASSEMBLY NUMBER	41182038100	41182040000	41182043100	41182045600
ENGINEERING DATA:				
MAXIMUM OD (DOGS IN)	3.75"	3.94"	4.28"	4.50"
PIN THREAD CONNECTION	1 1/16" - 10	1 1/16" - 10	1 1/16" - 10	1 1/16" - 10
FISHING NECK OD	2.313"	2.313"	2.313"	3.125"
BOTTOM THREAD	2 1/8" - 12	2 1/8" - 12	2 1/8" - 12	2 1/2" - 10
LENGTH	33.38"	33.38"	33.38"	33.3"
MATERIAL	Alloy	Alloy	Alloy	Alloy

ACCESSORIES:

Assembly Sleeve (NS)	167151413450	167151413450	167151413450	167151413550
Test Sleeve (NS)	1671514381	1671514400	1671514431	1671514456

There are other Types of Running Tools used to Set Locks: Please inquire

Type '**ROTT**' and Type '**ROTSP**' - Used to run and set: Type '**ROTS**', '**ROTT**', '**ROTN**', and '**ROTQ**' Lock Mandrels.

Type '**ROTSP**' Running Tool is much the same as '**ROTT**', except that the Core is much deeper.





SECTION III: RUNNING TOOLS

Type 'DO' Running Tool Assembly: 2" – 3"

Rebco Type 'DO' Running Tool is designed to run and set Type 'ROTD' Collar Lock Mandrel.

TECHNICAL DATA			
NOMINAL SIZE	2"	2 1/2"	3"
ASSEMBLY NUMBER	4103202000	4103202500	4103203000
ENGINEERING DATA:			
MAXIMUM OD	1.34"	1.75"	2.25"
PIN THREAD CONNECTION	15/16" - 10	15/16" - 10	1 1/16" - 10
FISHING NECK OD	1.375"	1.750"	1.750"
WILL ENGAGE RUNNING NECK ID	.906"	1.344"	1.688"
LENGTH	13.44"	13.56"	16.93"
MATERIAL	Alloy	Alloy	Alloy





SECTION III: RUNNING TOOLS

Type 'ROTW' Running Tool Assembly: 1 1/4" – 3"

Rebco Type 'ROTW' Running Tool is designed to run and set 'ROTW' and 'ROTB' Slip-type Mandrels in tubing

TECHNICAL DATA				
NOMINAL SIZE	1 1/2"	2" - 2 1/2"	3"	3 1/2"
ASSEMBLY NUMBER	4117201500	4117202025	4117203000	4117203500
ENGINEERING DATA:				
MAXIMUM OD	1.38"	1.50"	2.25"	2.62"
PIN THREAD CONNECTION	15/16" - 10	15/16" - 10	1 1/16" - 10	1 1/16" - 10
FISHING NECK OD	1.375"	1.375"	1.750"	2.313"
WILL ENGAGE RUNNING NECK ID	.69"	.81" / 1.00"	1.50"	1.91"
PRONG BOX THREAD	None	None	5/8" - 11	5/8" - 11
LENGTH	9.31"	10.94"	9.89"	10.15"
MATERIAL	Alloy	Alloy	Alloy	Alloy

NOTE¹ Prong is part of the Fishing Neck

NOTE: 2" - 2 1/2" is a combination Tool





SECTION III: RUNNING TOOLS

Type 'BR' Soft Release Running Tool Assembly: 1.900" – 3 1/2"

Rebco Type 'BR' Soft Release Running Tool is designed to run and set recording instruments (see [Product Code 33](#)), attached to Type 'ROTS', Type 'ROTW' and Type 'ROTZ' Locks to be landed in corresponding Nipple profiles.

Type 'ROTTs' Lock is to be set in the Tubing Coupling recess. This tool is an up strain, slack-off setting device.

NOTE: Jarring with this tool should be avoided, as it may cause the tool to be released prematurely.

It is recommended that Type 'BR' Soft Release Running Tool is run on Stem or Knuckle Jars only.



TECHNICAL DATA

NOMINAL SIZE	1.900"	2 3/8"	2 7/8"	3 1/2"
ASSEMBLY NUMBER	4101131900	4101132370	4101132870	4101133500

ENGINEERING DATA:

MAXIMUM OD	1.406"	1.688"	2.094"	2.625"
PIN THREAD CONNECTION	15/16" - 10	15/16" - 10	15/16" - 10	1 1/16" - 10
FISHING NECK OD	1.187"	1.375"	1.750"	2.313"
LENGTH	15.56"	14.75"	17.38"	18.12"
MATERIAL	Alloy	Alloy	Alloy	Alloy

Note¹ Locks Type: 'ROTS' and 'ROTTs'

- Locks must be run with (up-facing) Dogs trailing.
- Require 'ROTA' Shank to collapse down-facing Dogs.
- Pull required to activate the Tool: 100 to 150 lbs

Locks Type: 'ROTW' and 'ROTZ'

- Do not use 'ROTA' Shank
- Pull required to activate the Tool: 180 lbs for 1.900" and 300 lbs for other sizes
- For Type 'ROTA' Shanks see [PRODUCT CODE 49](#), Section II: SERVICE TOOLS



SECTION III: RUNNING TOOLS

Type 'ROTHR' Hydraulic (Soft Release) Running Tool Assembly: 2" – 4 1/2"

Rebco Type 'ROTHR' Hydraulic (Soft Release) Running Tool is used to set Type 'ROTXNS' and 'ROTRNS' Soft Set Instrument Hangers (see [PRODUCT CODE 33](#)) into the Landing Nipples of the same nominal size and respective profile.

NOTE: To compensate for the weight of the Instrument (s), use correct Number of Washers ([Det 2](#))

TECHNICAL DATA

NOMINAL SIZE	2"	2 1/2"	3"	3 1/2"	4 1/2"
ASSEMBLY NUMBER	4106132000	4106132500	4106133000	4106133500	4106134500

ENGINEERING DATA:

MAXIMUM OD	1.86"	2.00"	2.53"	3.09"	3.78"
PIN THREAD CONNECTION	15/16" - 10	15/16" - 10	1 1/16" - 10	1 1/16" - 10	1 1/16" - 10
FISHING NECK OD	1.375"	1.750"	2.313"	2.750"	2.750"
WILL ENGAGE FISHING NECK ID	1.38"	1.81"	2.31"	2.62"	3.12"
LENGTH	19.0"	20.0"	20.2"	23.5"	23.7"
MATERIAL	Alloy	Alloy	Alloy	Alloy	Alloy

Note: Washer ([DET 2](#)) is used relative to the weight attached to the Running Tool As a guide see Table below:

NUMBER OF WASHERS	RELATIVE WEIGHT	
	lbs	kgs
NONE	15 – 30	6.8 – 13.6
ONE	36 - 70	16.3 -31.8
TWO	71 -105	32.2 – 47.6
THREE	106 - 140	48.1 – 63.5





SECTION III: RUNNING TOOLS

Type 'ROTMR' Mechanical (Soft Release) Running Tool Assembly: 2" – 4 1/2"

Rebco Type 'ROTMR' Mechanical (Soft Release) Running Tool is used to set Type 'ROTXNS' and 'ROTRNS' Soft Set Instrument Hangers (see [PRODUCT CODE 33](#)) into the Landing Nipples of the same nominal size and respective profile.

TECHNICAL DATA

NOMINAL SIZE	2"	2 1/2"	3"	3 1/2"
ASSEMBLY NUMBER	4109131870	4109132310	4109132750	4109133500

ENGINEERING DATA:

MAXIMUM OD	1.77"	2.25"	2.70"	3.24"
PIN THREAD CONNECTION	15/16" - 10	15/16" - 10	1 1/16" - 10	1 1/16" - 10
FISHING NECK OD	1.375"	1.750"	2.313"	2.313"
WILL ENGAGE FISHING NECK ID	1.38"	1.81"	2.31"	2.62"
LENGTH	12.0"	11.5"	12.25"	12.7"
MATERIAL	Alloy	Alloy	Alloy	Alloy

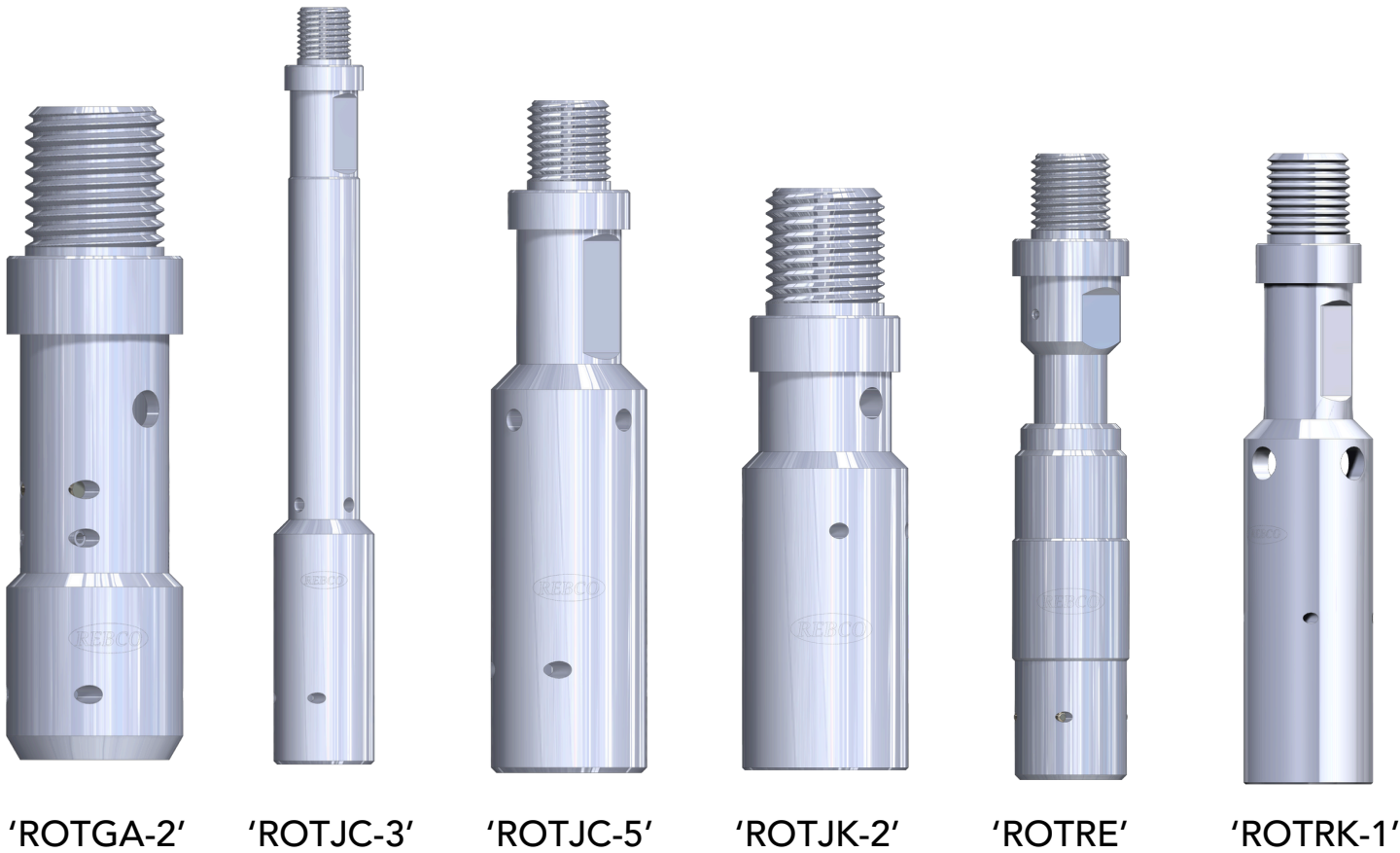




SECTION III: RUNNING TOOLS

The following types of Running Tools are used in conjunction with Gas Lift Operations; to install 1" OD and 1 1/2" OD Valves in Side Pocket Mandrels.

Running Tool Types offered



TECHNICAL DATA								
RUNNING TOOL TYPE	ASSEMBLY NUMBER	USED TO INSTALL		REFERENCE MANDREL Type	ENGINEERING DATA:			
		LATCH Type	VALVE OD		MAX OD	PIN THREAD CONNECTION	FISHING NECK OD	LENGTH
'ROTGA-2'	410500215052	Collet	1"	'K' Series	1.187"	15/16" - 10	1.187"	4.37"
'ROTJC-3'	410702315065	'R' 'RA'	1 1/2"	'M' Series	1.750"		1.375"	13.12"
'ROTJC-5'	410702513112			'O' Series				7.50"
7'ROTKJ-2'	410724215072	'BK' 'BK-2'	1"	'K' Series	1.312"		1.187"	4.56"
'ROTRE'	41130415080	'ER'			1.375"		1.375"	7.34"
'ROTRK-1'	411324115079	'RK'	1 1/2"	'M' Series	1.437"		1.187"	7.00"



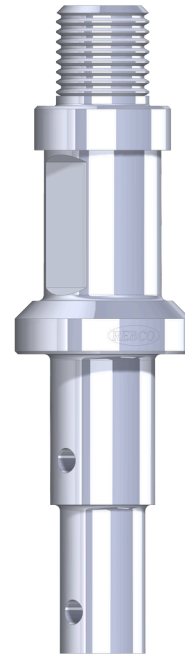
SECTION III: RUNNING TOOLS

Type 'F' Running Tool

Rebco Type 'F' Running Tool is used to set various types of sub-surface Tools; mainly tools that have external fishing necks which are pinned through the ID.

Typical Tools that can be set with Type 'F' Running Tool are: Collar Stops and Tubing (Slip) Stops;

(see [PRODUCT CODE 110](#) and [164](#) respectively).



TECHNICAL DATA									
NOMINAL SIZE	PART NO	USED with TOOL TYPE		ENGINEERING DATA:					
		COLLAR STOP	SLIP STOP	MAX OD	PIN THREAD	FISHING NECK OD	FOR NECK ID	LENGTH	
		(PRODUCT CODE 33)	(PRODUCT CODE 164)						
1 1/4"	41251	11025201	16414141250	1.12"	5/8" - 11	1.000"	.47"	4.50"	
1 1/2"		11025202	16414141500	1.37"		1.187"	.62"		
1 3/4"		110252012	16414141750						
2 1/16"						1.375"	.87"		6.43"
2"	41252	11025203				15/16" - 10	1.187"	.71"	5.37"
	4125200		16414142000				1.375"	1.12"	6.43"
2 1/2"	41252	11025204		1.05"		5.88"			
2 1/2"	4125250		16414142500					1.75"	
3"	41253	11025205						2.25"	
		11025206							
3 1/2"	4125350		16414143500	2.31"	1 1/16" - 10	1.750"	1.50"	6.00"	
4"	41253	11025207		2.25"	15/16" - 10	1.375"	1.62"	5.88"	
	4125450		16414144500	3.50"	1 1/16" - 10	2.313"	2.365"	6.63"	



SECTION III: RUNNING TOOLS

Type 'JU' (Jay) Unlatching Running Tool

Rebco Type 'JU' Unlatching Running Tool is an accessory tool used to set Instruments into the well bore on top of the pre-set stop. See [Section VI - BHP Tools](#) for more details.

To Run:

Attach the 'J' Head to the Instruments (Recorders). The Running Tool's 'JAY' slot allows the 'J' Head to be unlatched by the weight of the tool string. 'J' Heads fishing neck is used to retrieve the instruments at later date with appropriate Pulling Tool, (See [Section IV, PRODUCT CODE 40](#)).

TECHNICAL DATA						
NOMINAL SIZE	ASSEMBLY NUMBER		ENGINEERING DATA: (For the Running Tool)			
	RUNNING TOOL	For 'J' HEAD with FN Size	MAX OD	PIN THREAD	FISHING NECK OD	LENGTH
1 1/2"	4107161500	1.000"	1.19"	15/16" - 10	1.187"	15.19"
2"	4107162000	1.187"	1.50"		1.375"	
	4107162001	1.375"				
3" - 3 1/2"	4107162500	1.750"	2.25"		1.75"	15.62"
4" - 4 1/2"	4107163000	2.313"	2.87"	1 1/16" - 10	2.313"	16.0"

'J' Head(s) is ordered separately

