



<b>SECTION VIII: TEST TOOLS and CHECK VALVES</b>	2021
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**Test Tools** and **Check Valves** are generally used to test tubing, locate leaks, or set hydraulic-set packers. The Tools are designed to hold pressure from above only.

*Rebco* offers four types of Test Tools:

1. **Check Valves** Type **'ROTFB-2'** and **'ROTRB-2'**  
To be set into compatible Landing Nipples with compatible packing seal bore.
2. **Non-Selective Test Tool** Type **'ROTN'**  
To be set into bottom No-Go Landing Nipples with compatible packing seal bore.
3. **Selective Test Tool** Type **'ROTR'** and **'ROTX'**  
To be set in compatible Landing Nipples in the tubing string.
4. **Lock Mandrel and Prong** Type **'POR' - 'PORN'** and **'POX' - 'POXN'** **Test Tool Plugs**  
To be set into bottom No-Go Type Landing Nipples, and compatible Landing Nipple profiles in the tubing string.
5. **Lock Mandrel and Valve** Type **'CVR' - 'CVRN'** and **'CVX' - 'CVXN'** **Check Valve (Standing Valve) Assembly**  
To be set into Landing Nipples, and compatible profiles in the tubing string.



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REBCO

**Product Code 12**

**Type 'ROTFB-2' Equalizing Check Valve Assembly: 1.781" – 3.813"**

*Rebco* Type 'ROTFB-2' Equalizing Check Valve (Standing Valve) is designed to prevent the fluid flow in one direction (downwards), while allowing full fluid flow in the opposite direction (upwards).

Type 'ROTFB-2' Equalizing Check Valve is to be set into Type 'ROTF' Nipple profile. The assembly is not locked in the Nipple profile. The No-Go, Part of the Packing Mandrel, (DET-10) prevents the downward movement. The Check Valve has built-in method of equalizing before pulling.

'ROTFB-2' Equalizing Check Valves are available in a variety of Materials, suitable for down-hole conditions.

NOMINAL SIZE	2 3/8" (2")			2 7/8" (2 1/2")	
NIPPLE - SEAL SIZE	1.781"	1.812"	1.875"	2.250"	2.313"
ASSEMBLY NUMBER	122501217830	122501218130	122501218730	122501222530	122501223130



DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO	PART NO
1	FISHING NECK	1					
2	BALL	1					
3 *	'O' RING SEAL	1					
4 *	'O' RING SEAL	2					
5	BALL SEAT	1					
6	BY-PASS MANDREL	1					
7	EQUALIZING SLEEVE	1					
8 *	SHEAR SCREW	2					
9 *	'O' RING SEAL	1					
10	PACKING MANDREL	1					
11	CENTRE ADAPTER	1					
12 *	'V' PACKING	4					
13	FEMALE ADAPTER	1					
14	RETAINING NUT	1					
<b>REDRESS KIT (* Included as part of Kit)</b>							

**ENGINEERING DATA:**

MAXIMUM OD (NO-GO)		1.803"	1.865"	1.905"	2.302"	2.364"
FISHING NECK OD		1.375"	1.375"	1.375"	1.750"	1.750"
LENGTH		15.68"	15.68"	15.68"	17.38"	17.38"
MATERIAL *		Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)		5.3 (2.40)	5.4 (2.45)	5.6 (2.54)	10.6 (4.80)	10.8 (4.89)
<b>RUNNING TOOL</b>	Type 'ROTC-1'	41022012370	41022012370	41022012370	41022012870	41022012870
	Type 'ROTSB'	4014012000	4014012000	4014012000	4014012500	4014012500
	Type 'ROTJDC'	400703022000	400703022000	400703022000	400703022500	400703022500

\*Norm Alloy (NACE MR-01-75, 1980 Rev.)



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## Type 'ROTFB-2' Equalizing Check Valve Assembly: Continued

NOMINAL SIZE	3 1/2" (3")		
NIPPLE - SEAL SIZE	2.562"	2.750"	2.813"
ASSEMBLY NUMBER	122501225630	122501227530	122501228130



DET	PART NAME	QTY	PART NO	PART NO	PART NO
1	FISHING NECK	1			
2	BALL	1			
3 *	'O' RING SEAL	1			
4 *	'O' RING SEAL	2			
5	BALL SEAT	1			
6	BY-PASS MANDREL	1			
7	EQUALIZING SLEEVE	1			
8 *	SHEAR SCREW	2			
9 *	'O' RING SEAL	1			
10	PACKING MANDREL	1			
11	CENTRE ADAPTER	1			
12 *	'V' PACKING	4			
13	FEMALE ADAPTER	1			
14	RETAINING NUT	1			
<b>REDRESS KIT (* Included as part of Kit)</b>					

### ENGINEERING DATA:

MAXIMUM OD (NO-GO)	2.625"	2.802"	2.865"
FISHING NECK OD	1.750"	2.313"	2.313"
LENGTH	18.59"	18.54"	18.54"
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)	16.2 (7.35)	17.4 (7.89)	17.6 (7.98)
RUNNING TOOL	Type 'ROTC-1' 41022012870	41022013500	41022013500
PULLING TOOL	Type 'ROTSB' 4014012500	4014013000	4014013000
	Type 'ROTJDC' 400703022500	400703023000	400703023000

NOMINAL SIZE	4 1/2" (4")		
NIPPLE - SEAL SIZE	3.688"	3.750"	3.813"
ASSEMBLY NUMBER	122501236830	122501237530	122501238130



DET	PART NAME	QTY	PART NO	PART NO	PART NO
1	FISHING NECK	1			
2	BALL	1			
3 *	'O' RING SEAL	1			
4 *	'O' RING SEAL	2			
5	BALL SEAT	1			
6	BY-PASS MANDREL	1			
7	EQUALIZING SLEEVE	1			
8 *	SHEAR SCREW	2			
9 *	'O' RING SEAL	1			
10	PACKING MANDREL	1			
11	CENTRE ADAPTER	1			
12 *	'V' PACKING	4			
13	FEMALE ADAPTER	1			
14	RETAINING NUT	1			
<b>REDRESS KIT (* Included as part of Kit)</b>					

### ENGINEERING DATA:

MAXIMUM OD (NO-GO)	3.74"	3.80"	3.87"
FISHING NECK OD	3.125"	3.125"	3.125"
LENGTH	16.46"	16.46"	16.46"
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)	24.9 (11.29)	25.1 (11.39)	26.2 (11.88)
RUNNING TOOL	Type 'ROTC-1' 41022014500	41022014500	41022014500
PULLING TOOL	Type 'ROTSB' 4014014000	4014014000	4014014000
	Type 'ROTJDC' 400703024000	400703024000	400703024000



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**Type 'ROTRB-2' Equalizing Check Valve Assembly: 1.781" – 3.813"**

**Rebco** Type '**ROTRB-2**' Equalizing Check Valve (Standing Valve) is designed to prevent the fluid flow in one direction (downwards), while allowing full fluid flow in the opposite direction (upwards).

Type '**ROTRB-2**' Equalizing Check Valve seats on the bottom No-Go shoulder of Type '**ROTRB**' Nipple profile. The No-Go shoulder prevents downward movement. The assembly is not locked in the Nipple profile. The Check Valve has built-in method of equalizing before pulling.

'**ROTRB-2**' Equalizing Check Valves are available in a variety of Materials, suitable for down-hole conditions.

NOMINAL SIZE	2 3/8" (2")			2 7/8" (2 1/2")	
NIPPLE - SEAL SIZE	1.781"	1.812"	1.875"	2.250"	2.313"
ASSEMBLY NUMBER	121301217830	121301218130	121301218730	121301222530	121301223130



DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO	PART NO
1	FISHING NECK	1					
2	BALL	1					
3 *	'O' RING SEAL	1					
4 *	'O' RING SEAL	2					
5	BALL SEAT	1					
6	BY-PASS MANDREL	1					
7	EQUALIZING SLEEVE	1					
8 *	SHEAR SCREW	2					
9 *	'O' RING SEAL	1					
10	PACKING MANDREL	1					
11	CENTRE ADAPTER	1					
12 *	'V' PACKING	4					
13	FEMALE ADAPTER	1					
14	RETAINING NUT	1					
<b>REDRESS KIT (* Included as part of Kit)</b>							

**ENGINEERING DATA:**

MAXIMUM OD		1.771"	1.802"	1.865"	2.240"	2.302"
FISHING NECK OD		1.375"	1.375"	1.375"	1.750"	1.750"
LENGTH		15.21"	15.21"	15.21"	17.37"	17.37"
MATERIAL *		Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)		5.3 (2.40)	5.4 (2.45)	5.4 (2.45)	10.4 (3.08)	10.7 (4.72)
RUNNING TOOL	Type ' <b>ROTC-1</b> '	41022012370	41022012370	41022012370	41022012870	41022012870
	Type ' <b>ROTSB</b> '	4014012000	4014012000	4014012000	4014012500	4014012500
	Type ' <b>ROTJDC</b> '	400703022000	400703022000	400703022000	400703022500	400703022500

\*Norm Alloy (NACE MR-01-75, 1980 Rev.)



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## Type 'ROTRB-2' Equalizing Check Valve Assembly: Continued



NOMINAL SIZE	3 1/2" (3")		
NIPPLE - SEAL SIZE	2.562"	2.750"	2.813"
ASSEMBLY NUMBER	121301225630	121301227530	121301228130

DET	PART NAME	QTY	PART NO	PART NO	PART NO
1	FISHING NECK	1			
2	BALL	1			
3 *	'O' RING SEAL	1			
4 *	'O' RING SEAL	2			
5	BALL SEAT	1			
6	BY-PASS MANDREL	1			
7	EQUALIZING SLEEVE	1			
8 *	SHEAR SCREW	2			
9 *	'O' RING SEAL	1			
10	PACKING MANDREL	1			
11	CENTRE ADAPTER	1			
12 *	'V' PACKING	4			
13	FEMALE ADAPTER	1			
14	RETAINING NUT	1			
<b>REDRESS KIT (* Included as part of Kit)</b>					

**ENGINEERING DATA:**

MAXIMUM OD	2.552"	2.740"	2.802"
FISHING NECK OD	1.750"	2.313"	2.313"
LENGTH	17.37"	18.54"	18.54"
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)	12.1 (5.49)	17.1 (7.76)	17.6 (7.98)
RUNNING TOOL	Type ' <b>ROTC-1</b> '	41022012870	41022013500
PULLING TOOL	Type ' <b>ROTSB</b> '	4014012500	4014013000
	Type ' <b>ROTJDC</b> '	400703022500	400703023000



NOMINAL SIZE	4 1/2" (4")		
NIPPLE - SEAL SIZE	3.688"	3.750"	3.813"
ASSEMBLY NUMBER	121301236830	121301237530	121301238130

DET	PART NAME	QTY	PART NO	PART NO	PART NO
1	FISHING NECK	1			
2	BALL	1			
3 *	'O' RING SEAL	1			
4 *	'O' RING SEAL	2			
5	BALL SEAT	1			
6	BY-PASS MANDREL	1			
7	EQUALIZING SLEEVE	1			
8 *	SHEAR SCREW	2			
9 *	'O' RING SEAL	1			
10	PACKING MANDREL	1			
11	CENTRE ADAPTER	1			
12 *	'V' PACKING	4			
13	FEMALE ADAPTER	1			
14	RETAINING NUT	1			
<b>REDRESS KIT (* Included as part of Kit)</b>					

**ENGINEERING DATA:**

MAXIMUM OD	3.678"	3.740"	3.802"
FISHING NECK OD	3.125"	3.125"	3.125"
LENGTH	16.46"	16.46"	16.46"
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)	24.9 (11.29)	25.1 (11.39)	26.2 (11.88)
RUNNING TOOL	Type ' <b>ROTC-1</b> '	41022014500	41022014500
PULLING TOOL	Type ' <b>ROTSB</b> '	4014014000	4014014000
	Type ' <b>ROTJDC</b> '	400703024000	400703024000



<h2 style="margin: 0;">SECTION VIII: TEST TOOLS and CHECK VALVES</h2>	<b>2021</b>
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**Product Code 14**

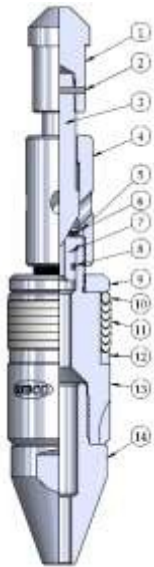
**Type 'ROTN' (Non-Selective) Test Tool Assembly: 2" – 5 1/2"**

**Rebco** Type '**ROTN**' Non-Selective Test Tool is designed to prevent the fluid flow in one direction (downwards), while allowing fluid flow in the opposite direction (upwards).

Type '**ROTN**' Non-Selective Test Tool seats on the bottom No-Go shoulder of the Landing Nipple profile. The No-Go shoulder prevents downward movement. The assembly is not locked in the Nipple profile. The Test Tool has built-in method of equalizing before retrieving.

Type '**ROTN**' Non-Selective Test Tool can be used in variety of Landing Nipples with the bottom No-Go and compatible packing bores.

Sizes not listed, and Materials to suit the well conditions are available.



NOMINAL SIZE	2"		2 1/2"	
NIPPLE - SEAL SIZE	1.781"	1.875"	2.188"	2.313"
ASSEMBLY NUMBER	14102017830	14102018730	14102021830	14102023130

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	Fishing Neck	1				
2 *	Pin	1				
3	Drop	1				
4	Cage	1				
5	Packing Retainer	1				
6 *	Seal Ring	1				
7	Seat Insert	1				
8 *	'O' Ring Seal	1				
9	Packing Nut	1				
10	Male Adapter	1				
11 *	'V' Packing	Min 6				
12	Female Adapter	1				
13	Packing Mandrel	1				
14	Bull Nose	1				
<b>REDRESS KIT</b> (* Included as part of Kit)						

**ENGINEERING DATA:**

MAXIMUM OD - No-Go	1.775"	1.870"	2.182"	2.307"
PACKING OD - MAX.	1.79"	1.89"	2.21"	2.33"
FISHING NECK OD	1.187"	1.375"	1.375"	1.375"
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
<b>RUNNING/PULLING TOOL</b>	<b>'ROTSB'</b>	<b>4014011500</b>	<b>4014012000</b>	<b>4014012000</b>
	<b>'ROTJDC'</b>	<b>400703021500</b>	<b>400703022000</b>	<b>400703022000</b>

\*Norm Alloy (NACE MR-01-75, 1980 Rev.)



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## Type 'ROTN' (Non-Selective) Test Tool Assembly: Continued

NOMINAL SIZE	3 1/2"			
NIPPLE - SEAL SIZE	2.562"	2.750"	2.813"	2.875"
ASSEMBLY NUMBER	14102025630	14102027530	14102028130	14102028730

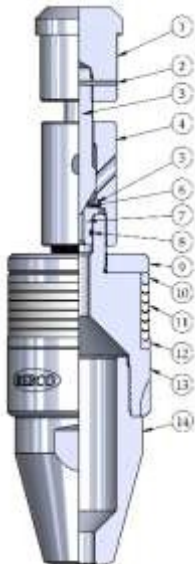


DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	Fishing Neck	1				
2 *	Pin	1				
3	Drop	1				
4	Cage	1				
5	Packing Retainer	1				
6 *	Seal Ring	1				
7	Seat Insert	1				
8 *	'O' Ring Seal	1				
9	Packing Nut	1				
10	Male Adapter	1				
11 *	'V' Packing	Min 6				
12	Female Adapter	1				
13	Packing Mandrel	1				
14	Bull Nose	1				
<b>REDRESS KIT (* Included as part of Kit)</b>						

### ENGINEERING DATA:

MAXIMUM OD - No-Go	2.557"	2.745"	2.807"	2.870"
PACKING OD - MAX.	2.58"	2.77"	2.83	2.89"
FISHING NECK OD	1.375"	1.750"	1.750"	1.750"
LENGTH	12.73"	13.18"	13.18"	13.18"
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
RUNNING/PULLING TOOL	'ROTSB'	4014012000	4014012500	4014012500
	'ROTJDC'	400703022000	400703022500	400703022500

NOMINAL SIZE	4 1/2"			5 1/2"
NIPPLE - SEAL SIZE	3.688"	3.813"	4.125"	4.562"
ASSEMBLY NUMBER	14102036830	14102038130	14102041230	14102045630



DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	Fishing Neck	1				
2 *	Pin	1				
3	Drop	1				
4	Cage	1				
5	Packing Retainer	1				
6 *	Seal Ring	1				
7	Seat Insert	1				
8 *	'O' Ring Seal	1				
9	Packing Nut	1				
10	Male Adapter	1				
11 *	'V' Packing	Min 6				
12	Female Adapter	1				
13	Packing Mandrel	1				
14	Bull Nose	1				
<b>REDRESS KIT (* Included as part of Kit)</b>						

### ENGINEERING DATA:

MAXIMUM OD - No-Go	3.682"	3.807"	4.119"	4.557"
PACKING OD - MAX.	3.70"	3.83"	4.14"	4.58"
FISHING NECK OD	2.313"	2.313"	2.313"	2.313"
LENGTH	14.91"	14.87"	14.91"	15.75"
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
RUNNING/PULLING TOOL	'ROTSB'	4014013000	4014013000	4014013000
	'ROTJDC'	400703023000	400703023000	400703023000



<h2 style="margin: 0;">SECTION VIII: TEST TOOLS and CHECK VALVES</h2>	<b>2021</b>
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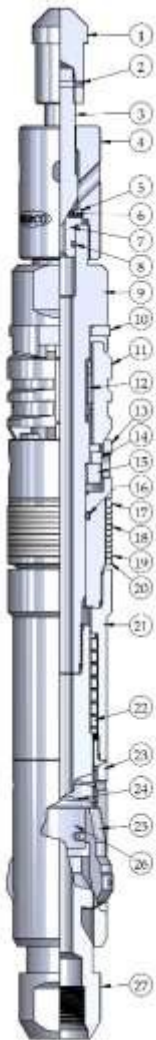
**Product Code 14**

Type 'ROTR' and Type 'ROTX' Selective Test Tool Assembly: 2" – 3 1/2"

*Rebco* Type 'ROTR' and Type 'ROTX' Selective Test Tool is designed to locate and set in compatible Landing Nipples in the tubing string and hold applied pressure from above.

Type 'ROTR' and Type 'ROTX' Selective Test Tools are used to test tubing, locate leaks and other practical functions.

The Keys (**DET 11**, retracted); the tool is run to a point below the desired compatible nipple, pulling up through the nipple releases the locking keys to set the tool. Pressure from above may then be applied. The process can be repeated with next nipple up the tubing string, thus eliminating number of Wireline trips.



Type 'ROTR' STT

<b>NOMINAL SIZE</b>		<b>2 7/8"</b>	<b>3 1/2"</b>
<b>LANDING NIPPLE</b>	<b>PROFILE</b>	<b>'ROTR' 'ROTRN'</b>	<b>'ROTR' 'ROTRN'</b>
	<b>SEAL SIZE</b>	<b>2.313"</b>	<b>2.562"</b>
<b>ASSEMBLY NUMBER</b>		<b>14132023100</b>	<b>14132025600</b>

DET	PART NAME	QTY	PART NO	PART NO
1	Fishing Neck	1		
2 *	Pin	1		
3	Drop	1		
4	Cage	1		
5	Packing Retainer	1		
6 *	Seal Ring	1		
7	Seat Insert	1		
8 *	'O' Ring Seal	1		
9	Locating Mandrel	1		
10	Key Retainer	1		
11	Key	2		
12 *	Spring	2		
13	Packing Mandrel	1		
14	Lower Retainer	1		
15	Nut	1		
16 *	'O' Ring Seal	1		
17	Double Male Adapter	1		
18 *	'V' Packing	8		
19	Back-Up Ring	-		
20	Female Adapter	1		
21	Spring Housing	1		
22	Spring	1		
23	Dog Retainer	1		
24	Spring	1		
25	Split Ring	2		
26	Locator Dog	2		
27	Main Mandrel	1		
<b>REDRESS KIT (* Included as part of Kit)</b>				

**ENGINEERING DATA:**

OD - with KEYS EXPANDED	2.62"	2.89"
OD - NO-GO	2.307"	2.557"
PACKING OD	2.313"	2.562"
FISHING NECK OD	1.375"	1.375"
BOTTOM THREAD	1" LP	1" LP
LENGTH	24.75"	26.0"
MATERIAL	Alloy	Alloy
WEIGHT lbs (kg)	17.1 (7.77)	22.9 (10.39)
PRESSURE RATING from ABOVE	Type 'ROTR' Nipple	18,500 psi
	Type 'ROTRN' Nipple	17,000 psi
<b>RUNNING/PULLING TOOL Type 'ROTSSJ' (PRODUCT 40)</b>		<b>401414072000</b>





**SECTION VIII:  
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**Type 'ROTR' and Type 'ROTX' Selective Test Tool Assembly: Continued**

**Rebco** Type 'ROTX' Selective Test Tool selectively locates and lands in Type 'ROTX' Landing Nipples and/or Type 'ROTX' Sliding Sleeve of the same size within a tubing string. The No-Go shoulder, also allows the Tool to be set into the 'ROTXN', No-Go Landing Nipple.

The **Test Tool** is designed to hold pressure differential from above only. Installed or retrieved by standard Wireline procedure, the Tool can be set in the Landing Nipple, or repeatedly moved to the next higher Nipple of the same size. The pressure is equalized across the Test Tool by picking up the **Drop (DET 3)** with a Pulling Tool attached to the **Fishing Neck (DET 1)**.



Type 'ROTX' STT

NOMINAL SIZE		2"	2 7/8"	3 1/2"	3 1/2"
LANDING NIPPLE	PROFILE	'ROTX' 'ROTXN'	'ROTX' 'ROTXN'	'ROTX' 'ROTXN'	'ROTX' 'ROTXN'
	SEAL SIZE	1.875"	2.313"	2.750"	2.813"
ASSEMBLY NUMBER		14182018700	14182023100	14182027500	14182028100

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	Fishing Neck	1				
2 *	Pin	1				
3	Drop	1				
4	Cage	1				
5	Packing Retainer	1				
6 *	Seal Ring	1				
7	Seat Insert	1				
8 *	'O' Ring Seal	1				
9	Locating Mandrel	1				
10	Key Retainer	1				
11	Key	2				
12 *	Spring	2				
13	Packing Mandrel	1				
14	Lower Retainer	1				
15	Nut	1				
16 *	'O' Ring Seal	1				
17	Double Male Adapter	1				
18 *	'V' Packing	6				
19	Back-Up Ring	1				
20	Female Adapter	1				
21	Spring Housing	1				
22	Spring	1				
23	Dog Retainer	1				
24	Spring	1				
25	Split Ring	2				
26	Locator Dog	2				
27	Main Mandrel	1				
<b>REDRESS KIT (*Included as part of Kit)</b>						

**ENGINEERING DATA:**

OD - with KEYS EXPANDED	2.20"	2.62"	3.10"	3.16"	
OD - NO-GO	1.870"	2.307"	2.745"	2.803"	
PACKING OD - MAX.	1.875"	2.313"	2.750"	2.813"	
FISHING NECK OD	1.375"	1.375"	1.750"	1.750"	
LENGTH	23.08"	24.50"	26.12"	26.12"	
BOTTOM THREAD	3/8" NPT	1" LP	1" LP	1" LP	
MATERIAL *	Alloy	Alloy	Alloy	Alloy	
WEIGHT lbs (kg)	15.3 (6.94)	17.1 (7.77)	24.3 (11.02)	25.5 (11.57)	
PRESSURE RATING from ABOVE (Set in Nipple)	Type 'ROTX'	10,000 psi	10,000 psi	9,000 psi	9,000 psi
	Type 'ROTXN'	8,000 psi	8,000 psi	8,000 psi	8,000 psi
<b>RUNNING/PULLING TOOL Type 'ROTSSJ' (Product Code 40)</b>		<b>401414072000</b>	<b>401414072000</b>	<b>401414072500</b>	<b>401414072500</b>

**Product Code 14**

**Modified Type 'PORN' and Type 'POXN' Test Tool Plug Assembly**

Modified **Test Tool Plug** Assembly holds pressure from above only. For this reason the **'V' Packing** on the **Lock Mandrel** and the **Prong face upwards**.

The **Lock Mandrel** is run with or without **Keys** into **NON SELECTIVE** Nipple (Bottom No-Go).

**A. - Running with Keys:**

- Use appropriate **Running Tool**.
- Use **Check Set Tool** to ensure proper setting of the **Lock Mandrel**.
- Run the **Prong** into the **Lock Mandrel** with appropriate **'ROTSB'** Pulling Tool size.  
The **Prong** will seat itself, in the **No-Go Sub** attached to the **Lock Mandrel**, stopping by the bottom No-Go on the **Prong**

**B. - Running without the Keys:**

- The position of the **Fishing Neck** and **Expander Sleeve**, (Parts of the **Lock Mandrel**) can be open or closed. For this reason the **Prong** can be inserted into the **Plug** and the whole assembly run on appropriate **'ROTSB'** Pulling Tool size.

**C. - Pulling the Plug Assembly without the Keys:**

- When pulling the **Plug** Assembly with appropriate **'ROTSB'** Pulling Tool size, it is not uncommon that the **Plug** (**Lock Mandrel** with the **Prong**) is recovered together.  
If there is any sand or scale to hold the **Plug**, the **Prong** will be recovered first, and the **Lock Mandrel** is retrieved with appropriate **'ROTGS'** Pulling Tool size.

**D. - Pulling the Plug Assembly with the Keys:**

- Use appropriate **'ROTSB'** Pulling Tool size to pull the **Prong** first.
- Use appropriate **'ROTGS'** Pulling Tool size to pull the **Lock Mandrel**.

**NOTE:** The advantage of the **Modified Test Plug** (with extra-long **Prong**) use is that it minimizes the risk of being stuck beneath sand or scale after pressure testing the Tubing.

**When ordering:** Specify the **Type** and **Size** of the **Lock Mandrel** and desired **Length** of the **Prong**.





## SECTION VIII: TEST TOOLS and CHECK VALVES

2021

REBCO

Product Code 14

### Type 'CVR' - 'CVRN' and 'CVX' - 'CVXN' Check Valve (Standing Valve) Assembly



**Check Valve** Assembly holds pressure from above only while allowing the pressure and fluid by-pass from below.

The **Check Valve Assembly** is run/pull into the well as any other 'Equalizing Valve Type Plug Choke' within the Nominal Size and compatible profile type. (See [Section XVI](#))

**NOTE:** The equalizing ports of the modified **Equalizing Valve Sub** can be enlarged to suit.

**When ordering:** please state the Size, Profile type and material required.