



SECTION XVI: PLUG ASSEMBLIES for NIPPLES

2013

JP042613

REBCO

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Plug Assemblies are used for variety of applications. The design; using the **Lock Mandrel** and **Equalizing Sub-Assembly**, is to plug the tubing and hold differential pressures from above and below, measure the flow rates, circulate, bleed down the tubing, shut in the well for repairs and many other applications.

Helpful Hint: Often, the Plugs are named by Type of **Equalizing Sub-Assembly** first, followed by **Lock Mandrel** (Name) Type.

'ROT' designates *Rebco Oil Tools, Inc.* - Call Out, and Manufacturer



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Product Code 20: A - PLUGS: with VALVE TYPE SUB-ASSEMBLY

Valve Type 'ROTRR' Plug Choke Assembly: 1.710" - 4.813"

Rebco Valve Type 'ROTRR' Plug Choke Assembly, when landed in Type 'ROTR' Landing Nipple, of the same size, will plug off the nipple and tubing. The Plug Choke is capable of holding pressure differentials from above or below.

NOTE: Valve Type 'ROTRR' Plug Choke Assembly is made up of Type 'ROTR' Lock Mandrel (PRODUCT CODE 10, 17, and/or 18) and Type 'ROTR' Equalizing Valve Sub-Assembly with a Cap (PRODUCT CODE 20).

The Plug requires ONE run to be set.

Plug Chokes are available in a variety of Materials, suitable for down-hole conditions.



NIPPLE SEAL BORE SIZE	1.710"	1.781"	1.875"	2.000"
ASSEMBLY NUMBER	20131317130	20131317830	20131318730	20131320030

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	10132017130	10132017830	17132018730	10132020030
2	EQUALIZING VALVE SUB-ASSEMBLY with CAP	1	20132017130	20132017830	20132018730	20132020030
REDRESS KIT			20131324171	20131324178	20131324187	20131324200

ENGINEERING DATA

MAXIMUM OD (NO-GO)	1.705"	1.776"	1.870"	1.995"
LOCK MANDREL FISHING NECK ID	1.06"	1.38"	1.38"	1.38"
RUNNING TOOL - 'ROTR'	41132017100	41132017800	41132018700	41132020000
PULLING TOOL - 'ROTRG'	40051315000	40051317800	40051318700	40051318700
EQUALIZING PRONGS	RUNNING	49121324	4911793	4911793
	PULLING	49122037	49122078	49122078
LENGTH	20.5"	20.5"	20.5"	20.5"
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)	7.0 (3.18)	7.6 (3.45)	8.5 (3.86)	8.8 (3.99)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102131710	4102132000	4102132000	4102132000
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* Norm Alloy is suitable for H₂S Service (NACE MR-01-75, Latest Revision)

NIPPLE SEAL BORE SIZE	2.125"	2.188"	2.313"	2.562"
ASSEMBLY NUMBER	20131321230	20131321830	20131323130	20131325630

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	10132021230	10132021830	17132023130	10132025630
2	EQUALIZING VALVE SUB-ASSEMBLY with CAP	1	20132021230	20132021830	20132023130	20132025630
REDRESS KIT			20131324212	20131324218	20131324231	20131324256

ENGINEERING DATA

MAXIMUM OD (NO-GO)	2.120"	2.183"	2.308"	2.557"
LOCK MANDREL FISHING NECK ID	1.38"	1.81"	1.81"	1.81"
RUNNING TOOL - 'ROTR'	41132021200	41132021800	41132023100	41132025600
PULLING TOOL - 'ROTRG'	40051318700	40051321800	40051323100	40051323100
EQUALIZING PRONGS	RUNNING	4911793	49121325	49121325
	PULLING	49122078	49122081	49122081
LENGTH	20.5"	20.9"	20.9"	20.4"
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)	9.2 (4.17)	11.4 (5.17)	13.4 (6.08)	15.8 (7.17)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102132000	4102132180	4102132310	4102132560
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* Norm Alloy is suitable for H₂S Service (NACE MR-01-75, Latest Revision)



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Valve Type 'ROTRR' Plug Choke Assembly: Continued

NIPPLE SEAL BORE SIZE	2.750"	2.813"	3.437"	3.688"
ASSEMBLY NUMBER	20131327530	20131328130	20131334330	20131336830

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	10132027530	10132028130	18132034330	18132036830
2	EQUALIZING VALVE SUB-ASSEMBLY with CAP	1	20132027530	20132028130	20132034330	20132036830
REDRESS KIT			20131324300	20131324300	20131324368	20131324281

ENGINEERING DATA

MAXIMUM OD (NO-GO)		2.745"	2.808"	3.432"	3.683"
LOCK MANDREL FISHING NECK ID		2.31"	2.31"	2.62"	3.12"
RUNNING TOOL - 'ROTR'		41132027500	41132028100	41132034300	41132036800
PULLING TOOL - 'ROTGR'		40051327500	40051327500	40051331202	40051336804
EQUALIZING PRONGS	RUNNING	49121119	49121119	4911882	4911826
	PULLING	49122085	49122085	4911881	4911827
LENGTH		20.77"	20.77"	21.62"	21.88"
MATERIAL *		Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)		17.5 (7.94)	17.8 (8.07)	29 (13.15)	29.2 (13.24)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102133000	4102133000	4102133430	4102133680
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* Norm Alloy is suitable for H₂S Service (NACE MR-01-75, Latest Revision)



NIPPLE SEAL BORE SIZE	3.813"	4.125"	4.313"	4.813"
ASSEMBLY NUMBER	20131338130	20131341230	20131343130	20131348130

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	18132038130	18132041230	18132043130	18132048130
2	EQUALIZING VALVE SUB-ASSEMBLY with CAP	1	20132038130	20132041230	20132043130	20132048130
REDRESS KIT			20131324381	20131324412	20131324431	20131324481

ENGINEERING DATA

MAXIMUM OD (NO-GO)		3.808"	4.120"	4.308"	4.808"
LOCK MANDREL FISHING NECK ID		3.12"	3.12"	3.12"	4.00"
RUNNING TOOL - 'ROTR'		41132038100	41132041200	41132043100	41132048100
PULLING TOOL - 'ROTGR'		40051336804	40051336804	40051336804	40051345600
EQUALIZING PRONGS	RUNNING	4911762	49111012	4911640	4911943
	PULLING	4911763	49111148	4911641	4911944
LENGTH		22.3"	21.9"	21.9"	23.9"
MATERIAL *		Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)		36.6 (16.6)	35.3 (16.01)	44.1 (20.0)	52.3 (23.72)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102133810	4102134120	4102134310	4102134810
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* Norm Alloy is suitable for H₂S Service (NACE MR-01-75, Latest Revision)



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REBCO

Valve Type 'ROTRRN' Plug Choke Assembly: 1.710" - 4.813"

Rebco Valve Type 'ROTRRN' Plug Choke Assembly, when landed in Type 'ROTRN' Landing Nipple, of the same size, will plug off the nipple and tubing. The Plug Choke is capable of holding pressure differentials from above or below.

NOTE: Valve Type 'ROTRRN' Plug Choke Assembly is made up of Type 'ROTRN' Lock Mandrel (PRODUCT CODE 10, 17, and/or 18) and Type 'ROTR' Equalizing Valve Sub-Assembly with a Cap (PRODUCT CODE 20).

The Plug requires ONE run to be set.

Plug Chokes are available in a variety of Materials, suitable for down-hole conditions.

NIPPLE SEAL BORE SIZE	1.710"	1.781"	1.875"	2.000"
ASSEMBLY NUMBER	2013131017130	2013131017830	2013131018730	2013131020030

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	10131017130	10131017830	17131018730	10131020030
2	EQUALIZING VALVE SUB-ASSEMBLY with CAP	1	20132017130	20132017830	20132018730	20132020030
REDRESS KIT			20131324171	20131324178	20131324187	20131324200

ENGINEERING DATA

MAXIMUM OD (NO-GO)	1.705"	1.776"	1.870"	1.995"
LOCK MANDREL FISHING NECK ID	1.06"	1.38"	1.38"	1.38"
RUNNING TOOL - 'ROTR'	41132017100	41132017800	41132018700	41132020000
PULLING TOOL - 'ROTGR'	40051315000	40051317800	40051318700	40051318700
EQUALIZING PRONGS	RUNNING	49121324	4911793	4911793
	PULLING	49122037	49122078	49122078
LENGTH	20.5"	20.5"	20.5"	20.5"
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)	7.0 (3.18)	7.6 (3.45)	8.5 (3.86)	8.8 (3.99)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102131710	4102132000	4102132000	4102132000
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* Norm Alloy is suitable for H₂S Service (NACE MR-01-75, Latest Revision)



NIPPLE SEAL BORE SIZE	2.125"	2.188"	2.313"	2.562"
ASSEMBLY NUMBER	2013131021230	2013131021830	2013131023130	2013131025630

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	10131021230	10131021830	17131023130	10131025630
2	EQUALIZING VALVE SUB-ASSEMBLY with CAP	1	20132021230	20132021830	20132023130	20132025630
REDRESS KIT			20131324212	20131324218	20131324231	20131324256

ENGINEERING DATA

MAXIMUM OD (NO-GO)	2.120"	2.183"	2.308"	2.557"
LOCK MANDREL FISHING NECK ID	1.38"	1.81"	1.81"	1.81"
RUNNING TOOL - 'ROTR'	41132021200	41132021800	41132023100	41132025600
PULLING TOOL - 'ROTGR'	40051318700	40051321800	40051323100	40051323100
EQUALIZING PRONGS	RUNNING	4911793	49121325	49121325
	PULLING	49122078	49122081	49122081
LENGTH	20.5"	20.9"	20.9"	20.4"
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)	9.2 (4.17)	11.4 (5.17)	13.4 (6.08)	15.8 (7.17)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102132000	4102132180	4102132310	4102132560
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REBCO

Valve Type 'ROTRRN' Plug Choke Assembly: Continued

NIPPLE SEAL BORE SIZE	2.750"	2.813"	3.437"	3.688"
ASSEMBLY NUMBER	2013131027530	2013131028130	2013131034330	2013131036830

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	10131027530	10131028130	18131034330	18131036830
2	EQUALIZING VALVE SUB-ASSEMBLY with CAP	1	20132027530	20132028130	20132034330	20132036830
REDRESS KIT			20131324300	20131324300	20131324368	20131324281

ENGINEERING DATA

MAXIMUM OD (NO-GO)		2.745"	2.808"	3.432"	3.683"
LOCK MANDREL FISHING NECK ID		2.31"	2.31"	2.62"	3.12"
RUNNING TOOL - 'ROTR'		41132027500	41132028100	41132034300	41132036800
PULLING TOOL - 'ROTGR'		40051327500	40051327500	40051331202	40051336804
EQUALIZING PRONGS	RUNNING	49121119	49121119	4911882	4911826
	PULLING	49122085	49122085	4911881	4911827
LENGTH		20.77"	20.77"	21.62"	21.88"
MATERIAL *		Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)		17.5 (7.94)	17.8 (8.07)	29 (13.24)	29.2 (13.24)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102133000	4102133000	4102133430	4102133680
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* Norm Alloy is suitable for H₂S Service (NACE MR-01-75, Latest Revision)



NIPPLE SEAL BORE SIZE	3.813"	4.125"	4.313"	4.813"
ASSEMBLY NUMBER	2013131038130	2013131041230	2013131043130	2013131048130

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	18131038130	18131041230	18131043130	18131048130
2	EQUALIZING VALVE SUB-ASSEMBLY with CAP	1	20132038130	20132041230	20132043130	20132048130
REDRESS KIT			20131324381	20131324412	20131324431	20131324481

ENGINEERING DATA

MAXIMUM OD (NO-GO)		3.808"	4.120"	4.308"	4.808"
LOCK MANDREL FISHING NECK ID		3.12"	3.12"	3.12"	4.00"
RUNNING TOOL - 'ROTR'		41132038100	41132041200	41132043100	41132048100
PULLING TOOL - 'ROTGR'		40051336804	40051336804	40051336804	40051345600
EQUALIZING PRONGS	RUNNING	4911762	49111012	4911640	4911943
	PULLING	4911763	49111148	4911641	4911944
LENGTH		22.3"	21.9"	21.9"	23.9"
MATERIAL *		Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)		36.6 (16.6)	35.3 (16.01)	44.1 (20.0)	52.3 (23.72)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102133810	4102134120	4102134310	4102134810
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* Norm Alloy is suitable for H₂S Service (NACE MR-01-75, Latest Revision)



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REBCO

Valve Type 'ROTXX' Plug Choke Assembly: 1.500" - 4.562"

Rebco Valve Type 'ROTXX' Plug Choke Assembly, when landed in Type 'ROTX' Landing Nipple, of the same size, will plug off the nipple and tubing. The Plug Choke is capable of holding pressure differentials from above or below.

NOTE: Valve Type 'ROTXX' Plug Choke Assembly is made up of Type 'ROTX' Lock Mandrel (PRODUCT CODE 10, 17, and/or 18) and Type 'ROTX' Equalizing Valve Sub-Assembly with a Cap (PRODUCT CODE 20).

The Plug requires ONE run to be set.

NIPPLE SEAL BORE SIZE	1.500"	1.625"	1.875"	2.313"
ASSEMBLY NUMBER	20181815030	20181816230	20181818730	20181823130

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	10182015030	10182016230	10182018730	10182023130
2	EQUALIZING VALVE SUB-ASSEMBLY with CAP	1	20182015030	20182016230	20182018730	20182023130
REDRESS KIT			20181824150	20181824162	20181824187	20181824231

ENGINEERING DATA

MAXIMUM OD (NO-GO)	1.495"	1.620"	1.870"	2.307"	
LOCK MANDREL FISHING NECK ID	1.06"	1.06"	1.38"	1.81"	
RUNNING TOOL - 'ROTX'	41182015000	41182016200	41182018700	41182023100	
PULLING TOOL - 'ROTGR'	40051315000	40051315000	40051318700	40051323100	
EQUALIZING PRONGS	RUNNING	49121324	4912496	4912505	4911793
	PULLING	49122037	49122035	49122044	49122078
LENGTH	22.75"	22.75"	20.28"	20.75"	
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy	
WEIGHT lbs (kg)	7.0 (3.18)	7.2 (3.27)	8.3 (3.75)	11.4 (5.17)	

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102181500	4102181500	4102181870	4102182310
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* Norm Alloy is suitable for H₂S Service (NACE MR-01-75, Latest Revision)



NIPPLE SEAL BORE SIZE	2.750"	2.813"	2.875"	3.313"
ASSEMBLY NUMBER	20181827530	20181828130	20181828730	20181833130

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	10182027530	10182028130	10182028730	18182033130
2	EQUALIZING VALVE SUB-ASSEMBLY with CAP	1	20182027530	20182028130	20182028730	20182033130
REDRESS KIT			20181824275	20181824281	20181824287	20181824331

ENGINEERING DATA

MAXIMUM OD (NO-GO)	2.745"	2.808"	2.870"	3.307"	
LOCK MANDREL FISHING NECK ID	2.31"	2.31"	2.31"	2.62"	
RUNNING TOOL - 'ROTX'	41182027500	41182028100	41182028700	41182033100	
PULLING TOOL - 'ROTGR'	40051327500	40051327500	40051327500	40051331202	
EQUALIZING PRONGS	RUNNING	4912599	4912599	4912599	4911762
	PULLING	49122043	49122043	49122043	4911763
LENGTH	20.77"	20.77"	20.77"	23.8"	
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy	
WEIGHT lbs (kg)	16.4 (7.4)	17.0 (7.71)	18.0 (8.16)	19.6 (8.89)	

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102183000	4102183000	4102183000	4102183310
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* Norm Alloy is suitable for H₂S Service (NACE MR-01-75, Latest Revision)



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Valve Type 'ROTXX' Plug Choke Assembly: Continued



NIPPLE SEAL BORE SIZE	3.688"	3.813"	4.313"	4.562"
ASSEMBLY NUMBER	20181836830	20181838130	20181843130	20181845630

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	18182036830	18182038130	18182043130	18182045630
2	EQUALIZING VALVE SUB-ASSEMBLY with CAP	1	20182036830	20182038130	20182043130	20182045630
REDRESS KIT			20181824368	20181824381	20181824431	20181824456

ENGINEERING DATA

MAXIMUM OD (NO-GO)		3.682"	3.807"	4.307"	4.556"
LOCK MANDREL FISHING NECK ID		3.12"	3.12"	3.12"	4.00"
RUNNING TOOL - 'ROTX'		41182036800	41182038100	41182043100	41182045600
PULLING TOOL - 'ROTGR'		40051336804	40051336804	40051336804	40051345600
EQUALIZING PRONGS	RUNNING	4911826	4911640	4911640	4911805
	PULLING	4911827	4911641	4911641	4911944
LENGTH		21.88"	21.88"	22.0"	23.99"
MATERIAL *		Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)		41.7 (18.91)	43.1 (19.55)	68.7 (31.16)	79.5 (36.05)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102183680	4102183810	4102184310	4102184560
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* Norm Alloy is suitable for H₂S Service (NACE MR-01-75, Latest Revision)

Plug Chokes are available in a variety of Materials, suitable for down-hole conditions.

Valve Type 'ROTXXN' Plug Choke Assembly: 1.500" - 4.562"

Rebco Valve Type 'ROTXXN' Plug Choke Assembly, when landed in Type 'ROTXXN' Landing Nipple, of the same size, will plug off the nipple and tubing. The Plug Choke is capable of holding pressure differentials from above or below.

NOTE: Valve Type 'ROTXXN' Plug Choke Assembly is made up of Type 'ROTXXN' Lock Mandrel (PRODUCT CODE 10, 17, and/or 18) and Type 'ROTX' Equalizing Valve Sub-Assembly with a Cap (PRODUCT CODE 20).

The Plug requires ONE run to be set.

Plug Chokes are available in a variety of Materials, suitable for down-hole conditions.



SECTION XVI: PLUG ASSEMBLIES for NIPPLES

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REBCO

Valve Type 'ROTXN' Plug Choke Assembly: 1.500" - 4.562"



NIPPLE SEAL BORE SIZE	1.500"	1.625"	1.875"	2.313"
ASSEMBLY NUMBER	2018181015030	2018181016230	2018181018730	2018181023130

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	10181015030	10181016230	10181018730	10181023130
2	EQUALIZING VALVE SUB-ASSEMBLY with CAP	1	20182015030	20182016230	20182018730	20182023130
REDRESS KIT			20181824150	20181824162	20181824187	20181824231

ENGINEERING DATA

MAXIMUM OD (NO-GO)		1.495"	1.620"	1.870"	2.307"
LOCK MANDREL FISHING NECK ID		1.06"	1.06"	1.38"	1.81"
RUNNING TOOL - 'ROTX'		41182015000	41182016200	41182018700	41182023100
PULLING TOOL - 'ROTXR'		40051315000	40051315000	40051318700	40051323100
EQUALIZING PRONGS	RUNNING	49121324	4912496	4912505	4911793
	PULLING	49122037	49122035	49122044	49122078
LENGTH		22.75"	22.75"	20.28"	20.75"
MATERIAL *		Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)		7.0 (3.18)	7.2 (3.27)	8.3 (3.75)	11.4 (5.17)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102181500	4102181500	4102181870	4102182310
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NIPPLE SEAL BORE SIZE	2.750"	2.813"	2.875"	3.313"
ASSEMBLY NUMBER	2018181027530	2018181028130	2018181028730	2018181033130

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	10181027530	10181028130	10181028730	18181033130
2	EQUALIZING VALVE SUB-ASSEMBLY with CAP	1	20182027530	20182028130	20182028730	20182033130
REDRESS KIT			20181824275	20181824281	20181824287	20181824331

ENGINEERING DATA

MAXIMUM OD (NO-GO)		2.745"	2.808"	2.870"	3.307"
LOCK MANDREL FISHING NECK ID		2.31"	2.31"	2.31"	2.62"
RUNNING TOOL - 'ROTX'		41182027500	41182028100	41182028700	41182033100
PULLING TOOL - 'ROTXR'		40051327500	40051327500	40051327500	40051331202
EQUALIZING PRONGS	RUNNING	4912599	4912599	4912599	4911762
	PULLING	49122043	49122043	49122043	4911763
LENGTH		20.77"	20.77"	20.77"	23.8"
MATERIAL *		Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)		16.4 (7.4)	17.0 (7.71)	18.0 (8.16)	19.6 (8.89)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102183000	4102183000	4102183000	4102183310
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NIPPLE SEAL BORE SIZE	3.688"	3.813"	4.313"	4.562"
ASSEMBLY NUMBER	2018181036830	2018181038130	2018181043130	2018181045630

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	18181036830	18181038130	18181043130	18181045630
2	EQUALIZING VALVE SUB-ASSEMBLY with CAP	1	20182036830	20182038130	20182043130	20182045630
REDRESS KIT			20181824368	20181824381	20181824431	20181824456

ENGINEERING DATA

MAXIMUM OD (NO-GO)		3.682"	3.807"	4.307"	4.556"
LOCK MANDREL FISHING NECK ID		3.12"	3.12"	3.12"	4.00"
RUNNING TOOL - 'ROTX'		41182036800	41182038100	41182043100	41182045600
PULLING TOOL - 'ROTXR'		40051336804	40051336804	40051336804	40051345600
EQUALIZING PRONGS	RUNNING	4911826	4911640	4911640	4911805
	PULLING	4911827	4911641	4911641	4911944
LENGTH		21.88"	21.88"	22.0"	23.99"
MATERIAL *		Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)		41.7 (18.91)	43.1 (19.55)	68.7 (31.16)	79.5 (36.05)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102183680	4102183810	4102184310	4102184560
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SECTION XVI: PLUG ASSEMBLIES for NIPPLES

2013

JP042613

REBCO

Product Code 21: B - PLUGS: with EQ. PRONG and VALVE SUB-ASSEMBLY TYPE

EQUALIZING PRONG Type 'ROTPRR' Plug Choke Assembly: 1.710" - 4.562"

Rebco Equalizing Prong Type 'ROTPRR' Plug Choke Assembly, when landed in Type 'ROTR' Landing Nipple, of the same size, will plug off the nipple and tubing. The Plug Choke is capable of holding pressure differentials from above or below.

NOTE: Equalizing Prong Type 'ROTPRR' Plug Choke Assembly is made up of Type 'ROTR' Lock Mandrel (PRODUCT CODE 10, 17, and/or 18) and Type 'ROTPR' Equalizing Prong and Sub-Assembly with a Cap (PRODUCT CODE 20).

The Plug requires TWO runs to be set. Before Equalizing Prong is run in place, it is recommended to run a CHECK SET TOOL (ACCESSORY).

Plug Chokes are available in a variety of Materials, suitable for down-hole conditions.

NIPPLE SEAL BORE SIZE	1.710"	1.781"	1.875"	2.000"
ASSEMBLY NUMBER	2111131317130	2111131317830	2111131318730	2111131320030

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	10132017130	10132017830	17132018730	10132020030
2	EQUALIZING PRONG and VALVE SUB-ASSEMBLY with CAP	1	24111317130	24111317830	24111318730	24111320030
REDRESS KIT			2111131324171	2111131324178	2111131324187	2111131324200

ENGINEERING DATA

MAXIMUM OD (NO-GO) OVER ALL LENGTH	1.705"	1.776"	1.870"	1.995"
RUNNING TOOL - 'ROTR'	41132017100	41132017800	41132018700	41132020000
PULLING TOOL - 'ROTGR'	40051315000	40051317800	40051318700	40051318700
EQUALIZING PRONG FISHING NECK SIZE	1.187"	1.187"	1.187"	1.187"
EQUALIZING PRONG RUNNING/PULLING TOOL	4014011500	4014011500	4014011500	4014011500
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)	9.0 (4.08)	13.0 (5.9)	13.4 (6.08)	13.8 (6.26)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102131710	4102132000	4102132000	4102132000
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* Norm Alloy is suitable for H₂S Service (NACE MR-01-75, Latest Revision)

NIPPLE SEAL BORE SIZE	2.125"	2.188"	2.313"	2.562"
ASSEMBLY NUMBER	2111131321230	2111131321830	2111131323130	2111131325630

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	10132021230	10132021830	17132023130	10132025630
2	EQUALIZING PRONG and VALVE SUB-ASSEMBLY with CAP	1	2411132021230	2411132021830	2411132023130	2411132025630
REDRESS KIT			2111131324212	2111131324218	2111131324231	2111131324256

ENGINEERING DATA

MAXIMUM OD (NO-GO) OVER ALL LENGTH	2.120"	2.183"	2.308"	2.557"
RUNNING TOOL - 'ROTR'	41132021200	41132021800	41132023100	41132025600
PULLING TOOL - 'ROTGR'	40051318700	40051321800	40051323100	40051323100
EQUALIZING PRONG FISHING NECK SIZE	1.187"	1.375"	1.375"	1.375"
EQUALIZING PRONG RUNNING/PULLING TOOL	4014011500	4014012000	4014012000	4014012000
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)	14.0 (6.35)	20.7 (9.39)	21 (9.53)	26.8 (12.16)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102132000	4102132180	4102132310	4102132560
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* Norm Alloy is suitable for H₂S Service (NACE MR-01-75, Latest Revision)





SECTION XVI: PLUG ASSEMBLIES for NIPPLES

2013
JP042613



EQUALIZING PRONG Type 'ROTPRR' Plug Choke Assembly: Continued

NIPPLE SEAL BORE SIZE	2.750"	2.813"	3.437"	3.688"
ASSEMBLY NUMBER	2111131327530	2111131328130	2111131334330	2111131336830

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	10132027530	10132028130	18132034330	18132036830
2	EQUALIZING PRONG and VALVE SUB-ASSEMBLY with CAP	1	24111327530	24111328130	24111334330	24111336830
REDRESS KIT			2111131324275	2111131324281	2111131324343	2111131324368

ENGINEERING DATA

MAXIMUM OD (NO-GO)	2.745"	2.808"	3.432"	3.683"
OVER ALL LENGTH	28.13"	28.13"	28.13"	37.15"
RUNNING TOOL - 'ROTR'	41132027500	41132028100	41132034300	41132036800
PULLING TOOL - 'ROTGR'	40051327500	40051327500	40051331202	40051336804
EQUALIZING PRONG	FISHING NECK SIZE	1.375"	1.375"	1.750"
	RUNNING/PULLING TOOL	4014012000	4014012000	4014012500
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)	31.5 (14.29)	31.5 (14.29)	31.5 (14.29)	43.7 (19.85)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102133000	4102133000	4102133430	4102133680
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* Norm Alloy is suitable for H₂S Service (NACE MR-01-75, Latest Revision)



NIPPLE SEAL BORE SIZE	3.813"	4.125"	4.313"	4.562"
ASSEMBLY NUMBER	2111131338130	2111131341230	2111131343130	2111131345630

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	18132038130	18132041230	18132043130	18132045630
2	EQUALIZING PRONG and VALVE SUB-ASSEMBLY with CAP	1	2411132038130	2411132041230	2411132043130	2411132045630
REDRESS KIT			2111131324381	2111131324412	2111131324431	2111131324456

ENGINEERING DATA

MAXIMUM OD (NO-GO)	3.808"	4.120"	4.308"	4.557"
OVER ALL LENGTH	37.38 "	38.1"	38.61 "	38.6"
RUNNING TOOL - 'ROTR'	41132038100	41132041200	41132043100	41132045600
PULLING TOOL - 'ROTGR'	40051336804	40051336804	40051336804	40051345600
EQUALIZING PRONG	FISHING NECK SIZE	2.313"	2.313"	3.125"
	RUNNING/PULLING TOOL	4014013000	4014013000	4014014000
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)	47.2 (21.5)	59.8 (27.12)	80.2 (36.38)	77.8 (35.29)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102133810	4102134120	4102134310	4102134560
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* Norm Alloy is suitable for H₂S Service (NACE MR-01-75, Latest Revision)

NOTE: - Sizes 5.875" and 5.963" Plug Chokes are available, please inquire.
 - Equalizing Prong lengths can be ordered to suit special requirements.



SECTION XVI: PLUG ASSEMBLIES for NIPPLES

2013

JP042613

REBCO

EQUALIZING PRONG Type 'ROTPRRN' Plug Choke Assembly: 1.710" - 4.562"

Rebco Equalizing Prong Type 'ROTPRRN' Plug Choke Assembly, when landed in Type 'ROTRN' Landing Nipple, of the same size, will plug off the nipple and tubing. The Plug Choke is capable of holding pressure differentials from above or below.

NOTE: Equalizing Prong Type 'ROTPRRN' Plug Choke Assembly is made up of Type 'ROTRN' Lock Mandrel (PRODUCT CODE 10, 17, and/or 18) and Type 'ROTPR' Equalizing Prong and Sub-Assembly with a Cap (PRODUCT CODE 20).

The Plug requires TWO runs to be set. Before Equalizing Prong is run in place, it is recommended to run a CHECK SET TOOL (ACCESSORY).

Plug Chokes are available in a variety of Materials, suitable for down-hole conditions.

NIPPLE SEAL BORE SIZE	1.710"	1.781"	1.875"	2.000"
ASSEMBLY NUMBER	211113131017130	211113131017830	211113131018730	211113131020030

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	10131017130	10131017830	17131018730	10131020030
2	EQUALIZING PRONG and VALVE SUB-ASSEMBLY with CAP	1	24111317130	24111317830	24111318730	24111320030
REDRESS KIT			2111131324171	2111131324178	2111131324187	2111131324200

ENGINEERING DATA

MAXIMUM OD (NO-GO)	1.705"	1.776"	1.870"	1.995"
OVER ALL LENGTH	26.0"	26.0"	26.0"	26.0"
RUNNING TOOL - 'ROTR'	41132017100	41132017800	41132018700	41132020000
PULLING TOOL - 'ROTGR'	40051315000	40051317800	40051318700	40051318700
EQUALIZING PRONG	FISHING NECK SIZE	1.187"	1.187"	1.187"
	RUNNING/PULLING TOOL	4014011500	4014011500	4014011500
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)	9.0 (4.08)	13.0 (5.9)	13.4 (6.08)	13.8 (6.26)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102131710	4102132000	4102132000	4102132000
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* Norm Alloy is suitable for H₂S Service (NACE MR-01-75, Latest Revision)

NIPPLE SEAL BORE SIZE	2.125"	2.188"	2.313"	2.562"
ASSEMBLY NUMBER	211113131021230	211113131021830	211113131023130	211113131025630

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	10131021230	10131021830	17131023130	10131025630
2	EQUALIZING PRONG and VALVE SUB-ASSEMBLY with CAP	1	2411132021230	2411132021830	2411132023130	2411132025630
REDRESS KIT			2111131324212	2111131324218	2111131324231	2111131324256

ENGINEERING DATA

MAXIMUM OD (NO-GO)	2.120"	2.183"	2.308"	2.557"
OVER ALL LENGTH	26.0"	26.56"	26.56"	32.53"
RUNNING TOOL - 'ROTR'	41132021200	41132021800	41132023100	41132025600
PULLING TOOL - 'ROTGR'	40051318700	40051321800	40051323100	40051323100
EQUALIZING PRONG	FISHING NECK SIZE	1.187"	1.375"	1.375"
	RUNNING/PULLING TOOL	4014011500	4014012000	4014012000
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)	14.0 (6.35)	20.7 (9.39)	21 (9.53)	26.8 (12.16)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102132000	4102132180	4102132310	4102132560
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* Norm Alloy is suitable for H₂S Service (NACE MR-01-75, Latest Revision)





SECTION XVI: PLUG ASSEMBLIES for NIPPLES

2013

JP042613

REBCO

EQUALIZING PRONG Type 'ROTPRRN' Plug Choke Assembly: Continued

NIPPLE SEAL BORE SIZE	2.750"	2.813"	3.437"	3.688"
ASSEMBLY NUMBER	211113131027530	211113131028130	211113131034330	211113131036830

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	10131027530	10131028130	18131034330	18131036830
2	EQUALIZING PRONG and VALVE SUB-ASSEMBLY with CAP	1	24111327530	24111328130	24111334330	24111336830
REDRESS KIT			2111131324275	2111131324281	2111131324343	2111131324368

ENGINEERING DATA

MAXIMUM OD (NO-GO)	2.745"	2.808"	3.432"	3.683"
OVER ALL LENGTH	28.13"	28.13"	28.13"	37.15"
RUNNING TOOL - 'ROTR'	41132027500	41132028100	41132034300	41132036800
PULLING TOOL - 'ROTGR'	40051327500	40051327500	40051331202	40051336804
EQUALIZING PRONG	FISHING NECK SIZE	1.375"	1.375"	1.750"
	RUNNING/PULLING TOOL	4014012000	4014012000	4014012500
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)	31.5 (14.29)	31.5 (14.29)	31.5 (14.29)	43.7 (19.85)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102133000	4102133000	4102133430	4102133680
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* Norm Alloy is suitable for H₂S Service (NACE MR-01-75, Latest Revision)



NIPPLE SEAL BORE SIZE	3.813"	4.125"	4.313"	4.562"
ASSEMBLY NUMBER	211113131038130	211113131041230	211113131043130	211113131045630

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	18131038130	18131041230	18131043130	18131045630
2	EQUALIZING PRONG and VALVE SUB-ASSEMBLY with CAP	1	2411132038130	2411132041230	2411132043130	2411132045630
REDRESS KIT			2111131324381	2111131324412	2111131324431	2111131324456

ENGINEERING DATA

MAXIMUM OD (NO-GO)	3.808"	4.120"	4.308"	4.557"
OVER ALL LENGTH	37.38 "	38.1"	38.61 "	38.6"
RUNNING TOOL - 'ROTR'	41132038100	41132041200	41132043100	41132045600
PULLING TOOL - 'ROTGR'	40051336804	40051336804	40051336804	40051345600
EQUALIZING PRONG	FISHING NECK SIZE	2.313"	2.313"	3.125"
	RUNNING/PULLING TOOL	4014013000	4014013000	4014014000
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)	47.2 (21.5)	59.8 (27.12)	80.2 (36.38)	77.8 (35.29)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102133810	4102134120	4102134310	4102134560
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* Norm Alloy is suitable for H₂S Service (NACE MR-01-75, Latest Revision)

NOTE: - Sizes 5.875" and 5.963" Plug Chokes are available, please inquire.
 - Equalizing Prong lengths can be ordered to suit special requirements.



SECTION XVI: PLUG ASSEMBLIES for NIPPLES

2013

JP042613

REBCO

EQUALIZING PRONG Type 'ROTPXX' Plug Choke Assembly: 1.500" - 4.562"

Rebco Equalizing Prong Type 'ROTPXX' Plug Choke Assembly, when landed in Type 'ROTX' Landing Nipple, of the same size, will plug off the nipple and tubing. The Plug Choke is capable of holding pressure differentials from above or below.

NOTE: Equalizing Prong Type 'ROTPXX' Plug Choke Assembly is made up of Type 'ROTX' Lock Mandrel (PRODUCT CODE 10, 17, and/or 18) and Type 'ROTPX' Equalizing Prong and Sub-Assembly with a Cap (PRODUCT CODE 20).

The Plug requires TWO runs to be set.

Before Equalizing Prong is run in place, it is recommended to run a CHECK SET TOOL (ACCESSORY) to ensure that the Plug is set properly in the Landing Nipple profile.

Plug Chokes are available in a variety of Materials, suitable for down-hole conditions.



NIPPLE SEAL BORE SIZE	1.500"	1.625"	1.875"	2.313"
ASSEMBLY NUMBER	2111181815030	2111181816230	2111181818730	2111181823130

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	10182015030	10182016230	10182018730	10182023130
2	EQUALIZING PRONG and VALVE SUB-ASSEMBLY with CAP	1	24111815030	24111816230	24111818730	24111823130
REDRESS KIT			2111181824150	2111181824162	2111181824187	2111181824231

ENGINEERING DATA

MAXIMUM OD (NO-GO)		1.495"	1.620"	1.870"	2.307"
RUNNING TOOL - 'ROTX'		41182015000	41182016200	41182018700	41182023100
PULLING TOOL - 'ROTPGR'		40051315000	40051315000	40051318700	40051323100
EQUALIZING PRONG	FISHING NECK SIZE	1.000"	1.000"	1.375"	1.375"
	PRONG LENGTH	26.0"	26.0"	23.38"	23.46"
	RUNNING/PULLING TOOL	400703021375	400703021375	4014012000	4014012000
MATERIAL *		Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)		8.6 (3.90)	8.8 (3.99)	13.9 (6.3)	23.0 (10.4)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102181500	4102181500	4102181870	4102182310
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* Norm Alloy is suitable for H₂S Service (NACE MR-01-75, Latest Revision)



NIPPLE SEAL BORE SIZE	2.750"	2.813"	2.875"	3.313"
ASSEMBLY NUMBER	2111181827530	2111181828130	2111181828730	2111181833130

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	10182027530	10182028130	10182028730	18182033130
2	EQUALIZING PRONG and VALVE SUB-ASSEMBLY with CAP	1	24111827530	24111828130	24111828730	24111833130
REDRESS KIT			2111181824275	2111181824281	2111181824287	2111181824331

ENGINEERING DATA

MAXIMUM OD (NO-GO)		2.745"	2.808"	2.870"	3.307"
RUNNING TOOL - 'ROTX'		41182027500	41182028100	41182028700	41182033100
PULLING TOOL - 'ROTPGR'		40051327500	40051327500	40051327500	40051331202
EQUALIZING PRONG	FISHING NECK SIZE	1.375"	1.375"	1.375"	1.750"
	PRONG LENGTH	28.13"	28.13"	28.13"	29.0"
	RUNNING/PULLING TOOL	4014012000	4014012000	4014012000	4014012500
MATERIAL *		Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)		30.5 (13.85)	31.0 (14.1)	32.0 (14.51)	34.8 (15.79)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102183000	4102183000	4102183000	4102183310
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* Norm Alloy is suitable for H₂S Service (NACE MR-01-75, Latest Revision)



SECTION XVI: PLUG ASSEMBLIES for NIPPLES

2013

JP042613

REBCO

EQUALIZING PRONG Type 'ROTPXX' Plug Choke Assembly: Continued



NIPPLE SEAL BORE SIZE	3.688"	3.813"	4.313"	4.562"
ASSEMBLY NUMBER	2111181836830	2111181838130	2111181843130	2111181845630

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	18182036830	18182038130	18182043130	18182045630
2	EQUALIZING PRONG and VALVE SUB-ASSEMBLY with CAP	1	24111836830	24111838130	24111843130	24111845630
REDRESS KIT			2111181824368	2111181824381	2111181824431	2111181824456

ENGINEERING DATA

MAXIMUM OD (NO-GO)	3.682"	3.807"	4.307"	4.556"
RUNNING TOOL - 'ROTX'	41182036800	41182038100	41182043100	41182045600
PULLING TOOL - 'ROTGR'	40051336804	40051336804	40051336804	40051345600
EQUALIZING PRONG	FISHING NECK SIZE	2.313"	2.313"	3.125"
	PRONG LENGTH	34.84"	34.84"	35.34"
	RUNNING/PULLING TOOL	4014013000	4014013000	4014014000
MATERIAL *	Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)	41.7 (18.91)	43.1 (19.55)	68.7 (31.16)	79.5 (36.05)

ACCESSORY:

CHECK SET TOOL (PRODUCT CODE 41)	4102183680	4102183810	4102184310	4102184560
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* Norm Alloy is suitable for H₂S Service (NACE MR-01-75, Latest Revision)

EQUALIZING PRONG Type 'ROTPXXN' Plug Choke Assembly: 1.500" - 4.562"

Rebco Equalizing Prong Type 'ROTPXXN' Plug Choke Assembly, when landed in Type 'ROTXN' Landing Nipple, of the same size, will plug off the nipple and tubing. The Plug Choke is capable of holding pressure differentials from above or below.

NOTE: Equalizing Prong Type 'ROTPXXN' Plug Choke Assembly is made up of Type 'ROTXN' Lock Mandrel (PRODUCT CODE 10, 17, and/or 18) and Type 'ROTPX' Equalizing Prong and Sub-Assembly with a Cap (PRODUCT CODE 20).

The Plug requires TWO runs to be set.

Before Equalizing Prong is run in place, it is recommended to run a CHECK SET TOOL, see above ('ROTPXX' Plugs, Page XIV-12,13) (ACCESSORY) to ensure that the Plug is set properly in the Landing Nipple profile.

Plug Chokes are available in a variety of Materials, suitable for down-hole conditions.



SECTION XVI: PLUG ASSEMBLIES for NIPPLES

2013

JP042613

REBCO

EQUALIZING PRONG Type 'ROTPXXN' Plug Choke Assembly: 1.500" - 4.562"



NIPPLE SEAL BORE SIZE	1.500"	1.625"	1.875"	2.313"
ASSEMBLY NUMBER	211118181015030	211118181016230	211118181018730	211118181023130

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	10181015030	10181016230	10181018730	10181023130
2	EQUALIZING PRONG and VALVE SUB-ASSEMBLY with CAP	1	24111815030	24111816230	24111818730	24111823130
REDRESS KIT			2111181824150	2111181824162	2111181824187	2111181824231

ENGINEERING DATA

MAXIMUM OD (NO-GO)		1.495"	1.620"	1.870"	2.307"
RUNNING TOOL - 'ROTX'		41182015000	41182016200	41182018700	41182023100
PULLING TOOL - 'ROTGR'		40051315000	40051315000	40051318700	40051323100
EQUALIZING PRONG	FISHING NECK SIZE	1.000"	1.000"	1.375"	1.375"
	PRONG LENGTH	26.0"	26.0"	23.38"	23.46"
	RUNNING/PULLING TOOL	400703021375	400703021375	4014012000	4014012000
MATERIAL *		Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)		8.6 (3.90)	8.8 (3.99)	13.9 (6.3)	23.0 (10.4)

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



NIPPLE SEAL BORE SIZE	2.750"	2.813"	2.875"	3.313"
ASSEMBLY NUMBER	211118181027530	211118181028130	211118181028730	211118181033130

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	10181027530	10181028130	10181028730	18181033130
2	EQUALIZING PRONG and VALVE SUB-ASSEMBLY with CAP	1	24111827530	24111828130	24111828730	24111833130
REDRESS KIT			2111181824275	2111181824281	2111181824287	2111181824331

ENGINEERING DATA

MAXIMUM OD (NO-GO)		2.745"	2.808"	2.870"	3.307"
RUNNING TOOL - 'ROTX'		41182027500	41182028100	41182028700	41182033100
PULLING TOOL - 'ROTGR'		40051327500	40051327500	40051327500	40051331202
EQUALIZING PRONG	FISHING NECK SIZE	1.375"	1.375"	1.375"	1.750"
	PRONG LENGTH	28.13"	28.13"	28.13"	29.0"
	RUNNING/PULLING TOOL	4014012000	4014012000	4014012000	4014012500
MATERIAL *		Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)		30.5 (13.85)	31.0 (14.1)	32.0 (14.51)	34.8 (15.79)

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



NIPPLE SEAL BORE SIZE	3.688"	3.813"	4.313"	4.562"
ASSEMBLY NUMBER	211118181036830	211118181038130	211118181043130	211118181045630

DET	PART NAME	QTY	PART NO	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY	1	18181036830	18181038130	18181043130	18181045630
2	EQUALIZING PRONG and VALVE SUB-ASSEMBLY with CAP	1	24111836830	24111838130	24111843130	24111845630
REDRESS KIT			2111181824368	2111181824381	2111181824431	2111181824456

ENGINEERING DATA

MAXIMUM OD (NO-GO)		3.682"	3.807"	4.307"	4.556"
RUNNING TOOL - 'ROTX'		41182036800	41182038100	41182043100	41182045600
PULLING TOOL - 'ROTGR'		40051336804	40051336804	40051336804	40051345600
EQUALIZING PRONG	FISHING NECK SIZE	2.313"	2.313"	3.125"	3.125"
	PRONG LENGTH	34.84"	34.84"	35.34"	35.34"
	RUNNING/PULLING TOOL	4014013000	4014013000	4014014000	4014014000
MATERIAL *		Norm Alloy	Norm Alloy	Norm Alloy	Norm Alloy
WEIGHT lbs (kg)		41.7 (18.91)	43.1 (19.55)	68.7 (31.16)	79.5 (36.05)

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



SECTION XVI: PLUG ASSEMBLIES for NIPPLES

2013

JP042613

REBCO

Product Code 21 and 22: C - PLUGS: with REMOVABLE MANDREL

Type 'ROTFSG-2' Plug Choke with Removable Mandrel (Selective): 1.900" – 3 1/2"

Rebco Type 'ROTFSG-2' Plug Choke (By-pass Blanking Plug) with Removable Mandrel is a positive blank-off device designed to seal off pressure from above and below. The Plug Assembly is a Top No-Go and Selective device to be set in Type 'BF' Landing Nipple and upper seal bore of the Type 'ROTL' Sliding Sleeve.

CAUTION: Type 'ROTFSG-2' Plug Choke can only be run with up-facing locks (dogs) trailing. If run selectively (both sets of Locks collapsed), Type 'ROTE' or 'ROTC-2' Running Tool must be used.



NOMINAL SIZE	1.900"		2 1/16"
SEAL BORE SIZE	1.437"	1.500"	1.562"
ASSEMBLY NUMBER	2225140521430	2225140521500	2225140521560

DET	PART NAME	QTY	PART NO	PART NO	PART NO
1	Lock Mandrel Sub-Assembly	1	10142201900	10142201900	10142202060
2	Fishing Neck	1	1900179500	1900179500	1900179500
3 *	Pin	1	9110120750	9110120750	9110120750
4	Washer	1	1770119900	1770119900	1770117500
5 *	'O' Ring	1	911221101406	911221101406	911221101406
6	Lock Ring Segments	1 Set	1710111700	1710111700	1710111700
7	Stop Ring	1	1770118600	1770118600	1770114200
8 *	Packing Unit Sub-Assembly	1 Set	186010114301	186010115001	186010115601
9	Retainer Ring	1	None	None	None
10 *	Shear Pin	1	9110130750	9110130750	9110130750
11	Bottom Sub	1	1980129400	1980129500	1980129600
12	Set Screw	-	None	None	None
13	Equalizing Mandrel	1	2770144300	2770144300	2770144300
14 *	'O' Ring Seal	2	911221101106	911221101106	911221101106
15 *	'O' Ring Seal	1	911221111006	911221111006	911221111006
16	Plug	1	1980143700	1980143700	1980143700
REDRESS KIT (* Included as part of Kit)			222513052224143	22251305224150	22251305224156

ENGINEERING DATA:

OD - (No-Go)		1.427"	1.490"	1.552"
FISHING NECK OD		1.188"	1.188"	1.188"
RUNNING TOOL Note *1	1.900"-2 1/16" 'ROTC-1' Locator Ring	41022011900 1680117500	41022011900 1680117600	41022011900 1680117700
	1.900"-2 1/16" 'ROTBG'	4101051900	4101051900	4101051900
PULLING TOOL Note *2	SHEAR DOWN	'ROTSB' ^(a) 'ROTJDC'	4014011500 ^(a) 400703021500	4014011500 400703021500
	SHEAR UP	'ROTRB'	4013011500	4013011500
		'ROTJUC'	400716021500	400716021500
PULLING PROBE Type 'ROTA' Note *3	'ROTSB' - 'ROTRB'	4100201901	4100201901	4100201901
	'ROTJDC' - 'ROTJUC'	4100201900	4100201900	4100201900
LENGTH		14.60"	14.60"	14.50"
MATERIAL		Alloy	Alloy	Alloy
WEIGHT lbs (kg)		5.2 (2.36)	5.2 (2.36)	5.6 (2.54)

Reference: REDRESS KIT - Parts of (DET 8), Only 'V' Packing (Qty - 6 only) included as part of the REDRESS KIT

Note: *1 – either / or Running Tools can be Used
– 'ROTC-1' Running Tool requires a Locator Ring for respective Size

Note: *2 CAUTION:
(a) - Pulling Tool 'ROTSB' will not pass thru 1.437" Seal Bore, but may be used for retrieving if there is no restriction in the tubing above the accessory smaller than the next larger Seal Bore.

Note: *3 – Pin Up thread must be specified, as 'S''R' Pulling Tools have different Core Threads from Type 'J' Pulling Tools



SECTION XVI: PLUG ASSEMBLIES for NIPPLES

2013

JP042613

REBCO

Type 'ROTFSG-2' Plug Choke with Removable Mandrel (Selective) - Continued



NOMINAL SIZE	2 3/8" (2")		
SEAL BORE SIZE	1.781"	1.812"	1.875"
ASSEMBLY NUMBER	2225140521780	2225140521810	2225140521870

DET	PART NAME	QTY	PART NO	PART NO	PART NO
1	Lock Mandrel Sub-Assembly	1	10142202370	10142202370	10142202370
2	Fishing Neck	1	1900179600	1900179600	1900179600
3 *	Pin	1	9110120843	9110120843	9110120843
4	Washer	1	1770120000	1770120000	1770120000
5 *	'O' Ring	1	911221101406	911221101406	911221101406
6	Lock Ring Segments	1 Set	1710111700	1710111700	1710111700
7	Stop Ring	1	2270155900	2270155900	2270155900
8 *	Packing Unit Sub-Assembly	1 Set	186010117801	186010118101	186010118701
9	Retainer Ring	1	1770118100	1770118100	1770118100
10 *	Shear Pin	2	9110130937	9110130937	9110130937
11	Bottom Sub	1	1980129700	1980129800	2600130200
12 *	Set Screw	3	18556220250	18556220250	18556220250
13	Equalizing Mandrel	1	1800104500	1800104500	1800104500
14 *	'O' Ring Seal	2	911221101106	911221101106	911221101106
15 *	'O' Ring Seal	1	911221111006	911221111006	911221111006
16	Plug	1	1980143700	1980143700	1980143700
REDRESS KIT (* Included as part of Kit)			22251305224178	22251305224181	22251305224187

ENGINEERING DATA:

OD - (No-Go)	1.771"			1.802"	1.865"
FISHING NECK OD	1.375"			1.375"	1.375"
RUNNING TOOL Note *1	2 3/8" 'ROTC-1'		41022012370	41022012370	41022012370
	Locator Ring		1680117900	1680118000	1680118100
	2 3/8" 'ROTBG'		4101052370	4101052370	4101052370
PULLING TOOL Note *2	SHEAR DOWN	'ROTSB'	4014012000	4014012000	4014012000
		'ROTJDC' (a)	400703022000 (a)	400703022000 (a)	400703022000
	SHEAR UP	'ROTRB'	4013012000	4013012000	4013012000
		'ROTJUC' (a)	400716022000 (a)	400716022000 (a)	400716022000
PULLING PROBE	2 3/8" Type 'ROTA'		4100202370	4100202370	4100202370
LENGTH	15.81"			15.81"	15.81"
MATERIAL	Alloy			Alloy	Alloy
WEIGHT lbs (kg)	8.43 (3.82)			8.49 (3.85)	8.54 (3.87)

Reference: REDRESS KIT - Parts of (DET 8), Only 'V' Packing (Qty - 6 only) included as part of the REDRESS KIT

Note: *1 - either / or Running Tools can be Used
- 'ROTC-1' Running Tool requires a Locator Ring for respective Size

Note: *2 CAUTION:
(a) - Pulling Tool 'ROTJDC' and 'ROTJUC' cannot be used for 1.781" Size
- Pulling Tool 'ROTJDC' and 'ROTJUC' will not pass thru 1.812" Seal Bore, but may be used for retrieving if there is no restriction in the tubing above the accessory smaller than the next larger Seal Bore.

Plug Chokes are available in a variety of Materials, suitable for down-hole conditions.



SECTION XVI: PLUG ASSEMBLIES for NIPPLES

2013

JP042613

REBCO

Type 'ROTFSG-2' Plug Choke with Removable Mandrel (Selective) - Continued



NOMINAL SIZE	2 7/8" (2 1/2")		3 1/2"
SEAL BORE SIZE	2.250"	2.313"	2.562"
ASSEMBLY NUMBER	2225140522250	2225140522310	2225140522560

DET	PART NAME	QTY	PART NO	PART NO	PART NO
1	Lock Mandrel Sub-Assembly	1	10142202870	10142202870	10142202560
2	Fishing Neck	1	1900179700	1900179700	2710124200
3 *	Pin	1	9110121156	9110121156	9110121156
4	Washer	1	1770133100	1770133100	1770133200
5 *	'O' Ring	1	911221101806	911221101806	911221101806
6	Lock Ring Segments	1 Set	1770134000	1770134000	1770134000
7	Stop Ring	1	1770134200	1770134200	1770134200
8 *	Packing Unit Sub-Assembly	1 Set	186010122501	186010123101	186010125601
9 *	Shear Pin	1	91101441250	91101441250	91101441250
10	Bottom Sub	1	1980129900	1980129900	2630172500
11 *	Set Screw	3	18556220312	18556220312	18556220312
12	Equalizing Mandrel	1	1770134100	1770134100	1770134100
13 *	'O' Ring Seal	2	911221111306	911221111306	911221111306
14 *	'O' Ring Seal	1	911221111506	911221111506	911221111506
15	Plug	1	1980131500	1980131500	1980131500
REDRESS KIT (* Included as part of Kit)			22251305224225	22251305224231	22251305224256

ENGINEERING DATA:

MAXIMUM OD - (No-Go)		2.240"	2.303"	2.552"
FISHING NECK OD		1.750"	1.750"	1.750"
RUNNING TOOL Note *1	2 7/8" 'ROTC-1'	41022012870	41022012870	41022012870
	Locator Ring	1680118200	1680118300	1680119100
	2 7/8" 'ROTBG'	4101052870	4101052870	4101052870
PULLING TOOL Note *2	SHEAR DOWN	'ROTSB'	4014012500	4014012500
		'ROTJDC' ^(a)	400703022500 ^(a)	400703022500
	SHEAR UP	'ROTRB'	4013012500	4013012500
		'ROTJUC' ^(a)	400716022500 ^(a)	400716022500
PULLING PROBE		2 7/8" Type 'ROTA'	4100202870	4100202870
LENGTH		16.6"	16.6"	17.65"
MATERIAL		Alloy	Alloy	Alloy
WEIGHT lbs (kg)		13.82 (6.27)	14.3 (6.49)	16.3 (7.39)

Reference: REDRESS KIT - Parts of (DET 8), Only 'V' Packing (Qty - 6 only) included as part of the REDRESS KIT

Note: *1 - either / or Running Tools can be Used
 - 'ROTC-1' Running Tool requires a Locator Ring for respective Size

Note: *2 ^(a)
 - CAUTION:

Pulling Tool 'ROTJDC' and 'ROTJUC' will not pass thru 2.250" Seal Bore, but may be used for retrieving if there is no restriction in the tubing above the accessory smaller than the next larger Seal Bore.



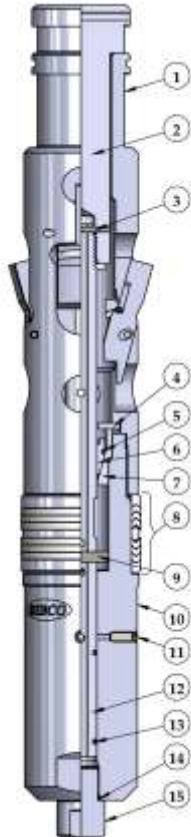
SECTION XVI: PLUG ASSEMBLIES for NIPPLES

2013

JP042613

REBCO

Type 'ROTFSG-2' Plug Choke with Removable Mandrel (Selective) - Continued



NOMINAL SIZE	3 1/2"		
SEAL BORE SIZE	2.750"	2.813"	2.875"
ASSEMBLY NUMBER	2225140522750	2225140522810	2225140522870

DET	PART NAME	QTY	PART NO	PART NO	PART NO
1	Lock Mandrel Sub-Assembly	1	10142203500	10142203500	10142203510
2	Fishing Neck	1	1900179800	1900179800	1900179800
3 *	Pin	1	9110121156	9110121156	9110121156
4	Washer	1	1770133200	1770133200	1770133200
5 *	'O' Ring	1	911221101806	911221101806	911221101806
6	Lock Ring Segments	1 Set	1770134000	1770134000	1770134000
7	Stop Ring	1	1770134200	1770134200	1770134200
8 *	Packing Unit Sub-Assembly	1 Set	186010127501	186010128101	186010128701
9 *	Shear Pin	1	91101441250	91101441250	91101441250
10	Bottom Sub	1	1980130000	1980130000	2390159301
11 *	Set Screw	3	18556220312	18556220312	18556220312
12	Equalizing Mandrel	1	1770134100	1770134100	1770134100
13 *	'O' Ring Seal	2	911221111306	911221111306	911221111306
14 *	'O' Ring Seal	1	911221111506	911221111506	911221111506
15	Plug	1	1980131500	1980131500	1980131500
REDRESS KIT (* Included as part of Kit)			22251305224275	22251305224281	22251305224287

ENGINEERING DATA:

OD - (No-Go)		2.740"	2.802"	2.865"
FISHING NECK OD		2.313"	2.313"	2.313"
RUNNING TOOL Note *1	3 1/2" 'ROTC-1'	41022013500	41022013500	41022013500
	Locator Ring	1680118400	1680118500	1680118600
	3 1/2" 'ROTBG'	4101053500	4101053500	4101053500
PULLING TOOL Note *2	SHEAR DOWN	'ROTSB' (a)	4014013000 (a)	4014013000 (a)
		'ROTSB' (b)	4014013001 (b)	4014013001 (b)
		'ROTJDC' (a)	400703023000 (a)	400703023000
	SHEAR UP	'ROTRB'	4013013000	4013013000
		'ROTJUC' (a)	400716023000 (a)	400716023000
PULLING PROBE Note *3		3 1/2" Type 'ROTA'	4100203500	4100203500
LENGTH		17.71"	17.71"	17.71"
MATERIAL		Alloy	Alloy	Alloy
WEIGHT lbs (kg)		23.2 (10.52)	23.6 (10.7)	24.4 (11.07)

Reference: REDRESS KIT - Parts of (DET 8), Only 'V' Packing (Qty - 6 only) included as part of the REDRESS KIT

Note: *1 - either / or Running Tools can be Used
 - 'ROTC-1' Running Tool requires a Locator Ring for respective Size

Note: *2 CAUTION:

- (a) - Pulling Tool 'ROTJDC' and 'ROTJUC' will not pass thru 2.750" Seal Bore.
 - Pulling Tool 'ROTSB' - 3" (4014013000) - 2.843" OD will not pass thru 2.750" and 2.813" Seal Bore.
- (b) - Pulling Tool 'ROTSB' - 3" (4014013001) - 2.743" OD will pass thru 2.750" and 2.813" Seal Bore.

Note: *3 - Pulling Probe Type 'ROTA' (4100203500) or Type 'ROTAC' (4100023500) can be used to retrieve 3 1/2" Type 'ROTFSG-2' Plug.

- See [PRODUCT CODE 10](#), Lock Mandrels: Type 'S-2', 'W-2' and 'Z-2' for more details



SECTION XVI: PLUG ASSEMBLIES for NIPPLES

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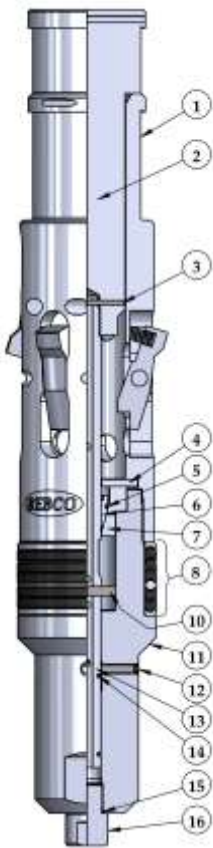
REBCO

Product Code 21

Type 'ROTFSG-1' Plug Choke with Removable Mandrel Top No-Go (Selective): 4 1/2"

CAUTION: Type 'ROTFSG-1' Plug Choke can only be run with up-facing locks (dogs) trailing. If run selectively (both sets of Locks collapsed), Type 'ROTE' or 'ROTC-2' Running Tool must be used.

NOTE: Type 'ROTFSG-1' Plug Choke (By-pass Blanking Plug) with Removable Mandrel uses different type of Lock (Dog).



NOMINAL SIZE	4 1/2"		
SEAL BORE SIZE	3.688"	3.750"	3.813"
ASSEMBLY NUMBER	2125140513680	2125140513750	2125140513810

DET	PART NAME	QTY	PART NO	PART NO	PART NO
1	Lock Mandrel Sub-Assembly	1	10141204500	10141204500	10141204500
2	Fishing Neck	1	2100130800	2100130800	2100130800
3 *	Pin	1	9110121750	9110121750	9110121750
4	Washer	1	2090196200	2090196200	2090196200
5 *	'O' Ring	1	911221101806	911221101806	911221101806
6	Lock Ring Segments	1 Set	1770134000	1770134000	1770134000
7	Stop Ring	1	2090196300	2090196300	2090196300
8 *	Packing Unit Sub-Assembly	1 Set	186010136801	186010137501	186010138101
10 *	Shear Pin	1	9110141375	9110141375	9110141375
11	Bottom Sub	1	2090196400	2790104900	2100130500
12 *	Set Screw	3	18556220312	18556220312	18556220312
13	Equalizing Mandrel	1	1770134100	1770134100	1770134100
14 *	'O' Ring Seal	2	911221111306	911221111306	911221111306
15 *	'O' Ring Seal	1	911221111506	911221111506	911221111506
16	Plug	1	1980131500	1980131500	1980131500
REDRESS KIT (* Included as part of Kit)			21251305124368	21251305124375	21251305124381

ENGINEERING DATA:

OD - (No-Go)		3.678"	3.740"	3.802"
FISHING NECK OD		3.125"	3.125"	3.125"
RUNNING TOOL Note *1	4 1/2" 'ROTC-1'	41022014500	41022014500	41022014500
	Locator Ring Size	3.717"	3.780"	3.835"
	4 1/2" 'ROTBG'	4101054500	4101054500	4101054500
PULLING TOOL Note *2	SHEAR DOWN	'ROTSB'	4014014000	4014014000
		'ROTJDC' (a)(b)	400703024000 (a)	400703024000 (b)
	SHEAR UP	'ROTRB'	4013014000	4013014000
		'ROTJUC' (a)(b)	400716024000 (a)	400716024000 (b)
PULLING PROBE Note *3*		4 1/2" Type 'ROTA'	4100204500	4100204500
LENGTH		22.46"	22.46"	22.46"
MATERIAL		Alloy	Alloy	Alloy
WEIGHT lbs (kg)		38.1 (17.3)	38.6 (17.51)	39.3 (17.83)

Reference: REDRESS KIT - Parts of (DET 8), Only 'V' Packing (Qty - 6 only) included as part of the REDRESS KIT

Note: *1 – either / or Running Tools can be Used
 – 'ROTC-1' Running Tool requires a Locator Ring for respective Size

Note: *2 CAUTION:
 (a) - Pulling Tool 'ROTJDC' and 'ROTJUC' will not pass thru 3.688" Seal Bore.
 (b) - Pulling Tool 'ROTJDC' and 'ROTJUC' will not pass thru 3.750" Seal Bore, but may be used for retrieving if there is no restriction in the tubing above the accessory smaller than the next larger Seal Bore.

Note: *3 - Pulling Probe Type 'ROTA' (4100204500) or Type 'ROTAC' (4100024500) can be used to retrieve 4 1/2" Type 'ROTFSG-1' Plug.



SECTION XVI: PLUG ASSEMBLIES for NIPPLES

2013

JP042613

REBCO

Product Code 22

Type 'ROTFWG-2' Plug Choke with Removable Mandrel (TOP No-Go): 1.900" – 3 1/2"

Rebco Type 'ROTFWG-2' Plug Choke (By-pass Blanking Plug) with Removable Mandrel is a positive blank-off device designed to seal off pressure from above and below. The Plug Assembly is a Top No-Go device to be set in Type 'BF' Landing Nipple and upper seal bore of the Type 'ROTL' Sliding Sleeve.

Plug Chokes are available in a variety of Materials, suitable for down-hole conditions.



NOMINAL SIZE	1.900"		2 1/16"
SEAL BORE SIZE	1.437"	1.500"	1.562"
ASSEMBLY NUMBER	2225170521430	2225170521500	2225170521560

DET	PART NAME	QTY	PART NO	PART NO	PART NO
1	Lock Mandrel Sub-Assembly	1	10172201430	10172201500	10172201560
2	Fishing Neck	1	1980165000	1980165000	1980165000
3 *	Pin	1	9110120750	9110120750	9110120750
4	Washer	1	1770119900	1770119900	1770117500
5 *	'O' Ring	1	911221101406	911221101406	911221101406
6	Lock Ring Segments	1 Set	1710111700	1710111700	1710111700
7	Stop Ring	1	1770118600	1770118600	1770114200
8 *	Packing Unit Sub-Assembly	1 Set	186010114301	186010115001	186010115601
9	Retainer Ring	1	None	None	None
10 *	Shear Pin	1	9110130750	9110130750	9110130750
11	Bottom Sub	1	1980129400	1980129500	1980129600
12	Set Screw	-	None	None	None
13	Equalizing Mandrel	1	2770144300	2770144300	2770144300
14 *	'O' Ring Seal	2	911221101106	911221101106	911221101106
15 *	'O' Ring Seal	1	911221111006	911221111006	911221111006
16	Plug	1	1980143700	1980143700	1980143700
REDRESS KIT (* Included as part of Kit)			22251305224143	22251305224150	22251305224156

ENGINEERING DATA:

MAXIMUM OD - (No-Go)		1.490"	1.552"	1.615"
FISHING NECK OD		1.188"	1.188"	1.188"
RUNNING TOOL Note *1	1.900"-2 1/16" 'ROTC-1'	41022011900	41022011900	41022011900
	1.900"-2 1/16" 'ROTBG'	4101051900	4101051900	4101051900
PULLING TOOL Note *2	SHEAR DOWN	'ROTSB' ^(a)	4014011500 ^(a)	4014011500
		'ROTJDC'	400703021500	400703021500
	SHEAR UP	'ROTRB'	4013011500	4013011500
		'ROTJUC'	400716021500	400716021500
PULLING PROBE Type 'ROTB' Note *3		'ROTSB' - 'ROTRB'	1950184901	1950184901
		'ROTJDC' - 'ROTJUC'	1950184900	1950184900
LENGTH		14.69"	14.69"	14.56"
MATERIAL		Alloy	Alloy	Alloy
WEIGHT lbs (kg)		5.0 (2.27)	5.0 (2.27)	5.2 (2.36)

Reference: REDRESS KIT - Parts of (DET 8), Only 'V' Packing (Qty - 6 only) included as part of the REDRESS KIT

Note: *1 – either / or Running Tools can be Used

Note: *2 CAUTION:

(a) - Pulling Tool 'ROTSB' will not pass thru 1.437" Seal Bore, but may be used for retrieving if there is no restriction in the tubing above the accessory smaller than the next larger Seal Bore.

Note: *3 – Pin Up thread must be specified, as 'S'/R' Pulling Tools have different Core Threads from Type 'J' Pulling Tools



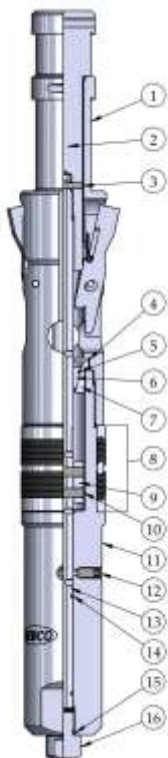
SECTION XVI: PLUG ASSEMBLIES for NIPPLES

2013

JP042613

REBCO

Type 'ROTFWG-2' Plug Choke with Removable Mandrel (TOP No-Go) - Continued



NOMINAL SIZE	2 3/8" (2")		
SEAL BORE SIZE	1.781"	1.812"	1.875"
ASSEMBLY NUMBER	2225170521780	2225170521810	2225170521870

DET	PART NAME	QTY	PART NO	PART NO	PART NO
1	Lock Mandrel Sub-Assembly	1	10172202370	10172202370	10172201870
2	Fishing Neck	1	1980165100	1980165100	1980165100
3 *	Pin	1	9110120843	9110120843	9110120843
4	Washer	1	1770120000	1770120000	1770120000
5 *	'O' Ring	1	911221101406	911221101406	911221101406
6	Lock Ring Segments	1 Set	1710111700	1710111700	1710111700
7	Stop Ring	1	2270155900	2270155900	2270155900
8 *	Packing Unit Sub-Assembly	1 Set	186010117801	186010118101	186010118701
9	Retainer Ring	1	1770118100	1770118100	1770118100
10 *	Shear Pin	2	9110130937	9110130937	9110130937
11	Bottom Sub	1	1980129700	1980129800	2600130200
12 *	Set Screw	3	18556220250	18556220250	18556220250
13	Equalizing Mandrel	1	1800104500	1800104500	1800104500
14 *	'O' Ring Seal	2	911221101106	911221101106	911221101106
15 *	'O' Ring Seal	1	911221111006	911221111006	911221111006
16	Plug	1	1980143700	1980143700	1980143700
REDRESS KIT (* Included as part of Kit)			22251305224178	22251305224181	22251305224187

ENGINEERING DATA:

MAXIMUM OD - (No-Go)		1.865"	1.865"	1.928"
FISHING NECK OD		1.375"	1.375"	1.375"
RUNNING TOOL Note *1	2 3/8" 'ROTC-1'	41022012370	41022012370	41022012370
	2 3/8" 'ROTBG'	4101052370	4101052370	4101052370
PULLING TOOL Note *2	SHEAR DOWN	'ROTSB'	4014012000	4014012000
		'ROTJDC' (a)	400703022000 (a)	400703022000 (a)
	SHEAR UP	'ROTRB'	4013012000	4013012000
		'ROTJUC' (a)	400716022000 (a)	400716022000 (a)
PULLING PROBE	Type	Short	1950185000	1950185000
	'ROTB'	Long	1950185001	1950185001
LENGTH		15.60"	15.60"	15.60"
MATERIAL		Alloy	Alloy	Alloy
WEIGHT lbs (kg)		7.5 (3.40)	7.6 (3.45)	7.8 (3.50)

Reference: REDRESS KIT - Parts of (DET 8), Only 'V' Packing (Qty - 6 only) included as part of the REDRESS KIT

Note: *1 – either / or Running Tools can be Used

Note: *2 CAUTION:

(a) - Pulling Tool 'ROTJDC' and 'ROTJUC' cannot be used for 1.781" Size

- Pulling Tool 'ROTJDC' and 'ROTJUC' will not pass thru 1.812" Seal Bore, but may be used for retrieving if there is no restriction in the tubing above the accessory smaller than the next larger Seal Bore.



SECTION XVI: PLUG ASSEMBLIES for NIPPLES

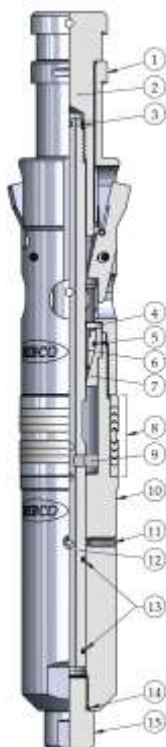
2013

JP042613

REBCO

Type 'ROTFWG-2' Plug Choke with Removable Mandrel (TOP No-Go) - Continued

NOMINAL SIZE	2 7/8" (2 1/2")		3 1/2"
SEAL BORE SIZE	2.250"	2.313"	2.562"
ASSEMBLY NUMBER	2225170522250	2225170522310	2225170522560



DET	PART NAME	QTY	PART NO	PART NO	PART NO
1	Lock Mandrel Sub-Assembly	1	10172202250	10172202310	10172202560
2	Fishing Neck	1	1980165200	1980165200	2710124200
3 *	Pin	1	9110121156	9110121156	9110121156
4	Washer	1	1770133100	1770133100	1770133200
5 *	'O' Ring	1	911221101806	911221101806	911221101806
6	Lock Ring Segments	1 Set	1770134000	1770134000	1770134000
7	Stop Ring	1	1770134200	1770134200	1770134200
8 *	Packing Unit Sub-Assembly	1 Set	186010122501	186010123101	186010125601
9 *	Shear Pin	1	91101441250	91101441250	91101441250
10	Bottom Sub	1	1980129900	1980129900	2630172500
11 *	Set Screw	3	18556220312	18556220312	18556220312
12	Equalizing Mandrel	1	1770134100	1770134100	1770134100
13 *	'O' Ring Seal	2	911221111306	911221111306	911221111306
14 *	'O' Ring Seal	1	911221111506	911221111506	911221111506
15	Plug	1	1980131500	1980131500	1980131500
REDRESS KIT (* Included as part of Kit)			22251305224225	22251305224231	22251305224256

ENGINEERING DATA:

MAXIMUM OD - (No-Go)		2.303"	2.365"	2.625"
FISHING NECK OD		1.750"	1.750"	1.750"
RUNNING TOOL Note *1	2 7/8" 'ROTC-1'	41022012870	41022012870	41022012870
	2 7/8" 'ROTBG'	4101052870	4101052870	4101052870
PULLING TOOL Note *2	SHEAR DOWN	'ROTSB'	4014012500	4014012500
		'ROTJDC' (a)	400703022500 (a)	400703022500
	SHEAR UP	'ROTRB'	4013012500	4013012500
		'ROTJUC' (a)	400716022500 (a)	400716022500
PULLING PROBE	Type	Short	1950185100	1950185100
	'ROTB'	Long	1950185101	1950185101
LENGTH		16.06"	16.06"	17.50"
MATERIAL		Alloy	Alloy	Alloy
WEIGHT lbs (kg)		13.0 (5.90)	13.1 (5.94)	17.1 (7.80)

Reference: REDRESS KIT - Parts of (DET 8), Only 'V' Packing (Qty - 6 only) included as part of the REDRESS KIT

Note: *1 – either / or Running Tools can be Used

Note: *2 (a)

– CAUTION: Pulling Tool 'ROTJDC' and 'ROTJUC' will not pass thru 2.250" Seal Bore, but may be used for retrieving if there is no restriction in the tubing above the accessory smaller than the next larger Seal Bore.



SECTION XVI: PLUG ASSEMBLIES for NIPPLES

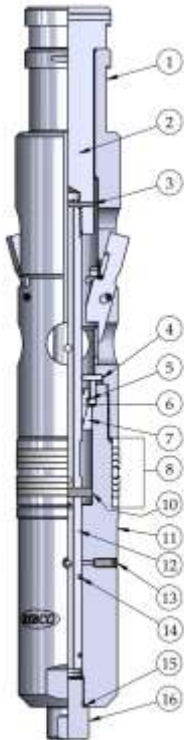
2013

JP042613

REBCO

Type 'ROTFWG-2' Plug Choke with Removable Mandrel (TOP No-Go) - Continued

NOMINAL SIZE	3 1/2"		
SEAL BORE SIZE	2.750"	2.813"	2.875"
ASSEMBLY NUMBER	2225170522750	2225170522810	2225170522870



DET	PART NAME	QTY	PART NO	PART NO	PART NO
1	Lock Mandrel Sub-Assembly	1	10172202750	10172202810	10172202870
2	Fishing Neck	1	1900179900	1900179900	1900179900
3 *	Pin	1	9110121156	9110121156	9110121156
4	Washer	1	1770133200	1770133200	1770133200
5 *	'O' Ring	1	911221101806	911221101806	911221101806
6	Lock Ring Segments	1 Set	1770134000	1770134000	1770134000
7	Stop Ring	1	1770134200	1770134200	1770134200
8 *	Packing Unit Sub-Assembly	1 Set	186010127501	186010128101	186010128701
10 *	Shear Pin	1	91101441250	91101441250	91101441250
11	Bottom Sub	1	1980130000	1980130000	2390159301
12	Equalizing Mandrel	1	1770134100	1770134100	1770134100
13 *	Set Screw	3	18556220312	18556220312	18556220312
14 *	'O' Ring Seal	2	911221111306	911221111306	911221111306
15 *	'O' Ring Seal	1	911221111506	911221111506	911221111506
16	Plug	1	1980131500	1980131500	1980131500
REDRESS KIT (* Included as part of Kit)			22251305224275	22251305224281	22251305224287

ENGINEERING DATA:

MAXIMUM OD - (No-Go)		2.802"	2.865"	2.915"
FISHING NECK OD		2.313"	2.313"	2.313"
RUNNING TOOL Note *1	3 1/2" 'ROTC-1'	41022013500	41022013500	41022013500
	3 1/2" 'ROTBG'	4101053500	4101053500	4101053500
PULLING TOOL Note *2	SHEAR DOWN	'ROTSB' (a)	4014013000 (a)	4014013000 (a)
		'ROTSB' (b)	4014013001 (b)	4014013001 (b)
	SHEAR UP	'ROTJDC' (a)	400703023000 (a)	400703023000
		'ROTRB'	4013013000	4013013000
PULLING PROBE Note *3	Type 'ROTB'	Short (c)	1950185200 (c)	1950185200 (c)
		Long	1950185201	1950185201
LENGTH		19.75"	19.75"	19.75"
MATERIAL		Alloy	Alloy	Alloy
WEIGHT lbs (kg)		23.8 (10.80)	23.9 (10.84)	24.0 (10.89)

Reference: REDRESS KIT - Parts of (DET 8), Only 'V' Packing (Qty - 6 only) included as part of the REDRESS KIT

Note: *1 – either / or Running Tools can be Used

Note: *2 CAUTION:

(a) - Pulling Tool 'ROTJDC' and 'ROTJUC' will not pass thru 2.750" Seal Bore.
 - Pulling Tool 'ROTSB' - 3" (4014013000) - 2.843" OD will not pass thru 2.750" and 2.813" Seal Bore.

(b) - Pulling Tool 'ROTSB' - 3" (4014013001) - 2.743" OD will pass thru 2.750" and 2.813" Seal Bore.

Note: *3

(c) – Long Pulling Probe Type 'ROTB' (1950185201) should be used to retrieve 3 1/2" Type 'ROTFWG-2' Plug.

- See **PRODUCT CODE 10**, Lock Mandrels: Type 'S-2', 'W-2' and 'Z-2' for more details



SECTION XVI: PLUG ASSEMBLIES for NIPPLES

2013

JP042613

REBCO

Product Code 21

Type 'ROTFWG-1' Plug Choke with Removable Mandrel (TOP No-Go): 4 1/2"

NOTE: Type 'ROTFWG-1' Plug Choke (By-pass Blanking Plug) with Removable Mandrel uses different type of Lock (Dog).

Plug Chokes are available in a variety of Materials, suitable for down-hole conditions.

NOMINAL SIZE	4 1/2"		
SEAL BORE SIZE	3.688"	3.750"	3.813"
ASSEMBLY NUMBER	2125170513680	2125170513750	2125170513810



DET	PART NAME	QTY	PART NO	PART NO	PART NO
1	Lock Mandrel Sub-Assembly	1	10171203680	10171203750	10171203810
2	Fishing Neck	1	2100125800	2100125800	2100125800
3 *	Pin	1	9110121750	9110121750	9110121750
4	Washer	1	2090196200	2090196200	2090196200
5 *	'O' Ring	1	911221101806	911221101806	911221101806
6	Lock Ring Segments	1 Set	1770134000	1770134000	1770134000
7	Stop Ring	1	2090196300	2090196300	2090196300
8 *	Packing Unit Sub-Assembly	1 Set	186010136801	186010137501	186010138101
10 *	Shear Pin	1	91101441375	91101441375	91101441375
11	Bottom Sub	1	2090196400	2790104900	2100130500
12 *	Set Screw	3	18557220312	18557220312	18557220312
13	Equalizing Mandrel	1	1770134100	1770134100	1770134100
14 *	'O' Ring Seal	2	911221111306	911221111306	911221111306
15 *	'O' Ring Seal	1	911221111506	911221111506	911221111506
16	Plug	1	1980131500	1980131500	1980131500
REDRESS KIT (* Included as part of Kit)			21251305124368	21251305124375	21251305124381

ENGINEERING DATA:

MAXIMUM OD - (No-Go)		3.740"	3.802"	3.864"
FISHING NECK OD		3.125"	3.125"	3.125"
RUNNING TOOL Note *1	4 1/2" 'ROTC-1'	41022014500	41022014500	41022014500
	4 1/2" 'ROTBG'	4101054500	4101054500	4101054500
PULLING TOOL Note *2	SHEAR DOWN	'ROTSB'	4014014000	4014014000
		'ROTJDC' (a)(b)	400703024000 (a)	400703024000 (b)
	SHEAR UP	'ROTRB'	4013014000	4013014000
	'ROTJUC' (a)(b)	400716024000 (a)	400716024000 (b)	400716024000
PULLING PROBE		4 1/2" Type 'ROTB'	1950185300	1950185300
LENGTH		20.3"	20.3"	20.3"
MATERIAL		Alloy	Alloy	Alloy
WEIGHT lbs (kg)		38.1 (17.3)	38.1 (17.3)	38.3 (17.4)

Reference: REDRESS KIT - Parts of (DET 8), Only 'V' Packing (Qty - 6 only) included as part of the REDRESS KIT

Note: *1 - either / or Running Tools can be Used

Note: *2 CAUTION:

(a) - Pulling Tool 'ROTJDC' and 'ROTJUC' will not pass thru 3.688" Seal Bore.

(b) - Pulling Tool 'ROTJDC' and 'ROTJUC' will not pass thru 3.750" Seal Bore, but may be used for retrieving if there is no restriction in the tubing above the accessory smaller than the next larger Seal Bore.

- See **PRODUCT CODE 10**, Lock Mandrels: Type 'S-1,2', 'W-1,2' and 'Z-1,2' for more details



SECTION XVI: PLUG ASSEMBLIES for NIPPLES

2013

JP042613

REBCO

Product Code 22

Type 'ROTRZG-2' Plug Choke with Removable Mandrel (BOTTOM No-Go): 1.90" – 3 1/2"

Rebco Type 'ROTRZG-2' Plug Choke (By-pass Blanking Plug) with Removable Mandrel is a positive blank-off device designed to seal off pressure from above and below. The Plug Assembly is a Bottom No-Go device to be set in Type 'BR' Landing Nipple.

Plug Chokes are available in a variety of Materials, suitable for down-hole conditions.



NOMINAL SIZE	1.900"		2 1/16"
SEAL BORE SIZE	1.437"	1.500"	1.562"
ASSEMBLY NUMBER	2213220521430	2213220251500	2213220521560

DET	PART NAME	QTY	PART NO	PART NO	PART NO
1	Lock Mandrel Sub-Assembly	1	10222201900	10222201900	10222202060
2	Fishing Neck	1	1980165000	1980165000	1980165000
3 *	Pin	1	9110120750	9110120750	9110120750
4	Washer	1	1770119900	1770119900	1770117500
5 *	'O' Ring	1	911221101406	911221101406	911221101406
6	Lock Ring Segments	1 Set	1710111700	1710111700	1710111700
7	Stop Ring	1	1770118600	1770118600	1770114200
8 *	Packing Unit Sub-Assembly	1 Set	186010114301	186010115001	186010115601
9	Retainer Ring	1	None	None	None
10 *	Shear Pin	1	9110130750	9110130750	9110130750
11	Bottom Sub	1	1980129400	1980129500	1980129600
12	Set Screw	-	None	None	None
13	Equalizing Mandrel	1	2770144300	2770144300	2770144300
14 *	'O' Ring Seal	2	911221101106	911221101106	911221101106
15 *	'O' Ring Seal	1	911221111006	911221111006	911221111006
16	Plug	1	1980143700	1980143700	1980143700
REDRESS KIT (* Included as part of Kit)			2225130524143	2225130524150	2225130524156

ENGINEERING DATA:

OD - (No-Go)	1.427"		1.490"	1.552"
FISHING NECK OD	1.188"		1.188"	1.188"
RUNNING TOOL Note *1	1.900"- 2 1/16" 'ROTC-1'	41022011900	41022011900	41022011900
	1.900"- 2 1/16" 'ROTBG'	4101051900	4101051900	4101051900
PULLING TOOL Note *2	SHEAR DOWN	'ROTSB' ^(a)	4014011500 ^(a)	4014011500
		'ROTJDC'	400703021500	400703021500
	SHEAR UP	'ROTRB'	4013011500	4013011500
		'ROTJUC'	400716021500	400716021500
PULLING PROBE Type 'ROTB' Note *3	'ROTSB' - 'ROTRB'	1950184901	1950184901	1950184901
	'ROTJDC' - 'ROTJUC'	1950184900	1950184900	1950184900
LENGTH	14.69"		14.69"	14.56"
MATERIAL	Alloy		Alloy	Alloy
WEIGHT lbs (kg)	5.0 (2.27)		5.0 (2.27)	5.2 (2.36)

Reference: REDRESS KIT - Parts of (DET 8), Only 'V' Packing (Qty - 6 only) included as part of the REDRESS KIT

Note: *1 – either / or Running Tools can be Used

Note: *2 CAUTION:

(a) - Pulling Tool 'ROTSB' will not pass thru 1.437" Seal Bore, but may be used for retrieving if there is no restriction in the tubing above the accessory smaller than the next larger Seal Bore.

Note: *3 – Pin Up thread must be specified, as 'S'/'R' Pulling Tools have different Core threads from Type 'J' Pulling Tools



SECTION XVI: PLUG ASSEMBLIES for NIPPLES

2013

JP042613

REBCO

Type 'ROTRZG-2' Plug Choke with Removable Mandrel (BOTTOM No-Go) - Continued

NOMINAL SIZE	2 3/8" (2")		
SEAL BORE SIZE	1.781"	1.812"	1.875"
ASSEMBLY NUMBER	2213220521780	2213220521810	2213220521870



DET	PART NAME	QTY	PART NO	PART NO	PART NO
1	Lock Mandrel Sub-Assembly	1	10222202370	10222202370	10222202370
2	Fishing Neck	1	1980165100	1980165100	1980165100
3 *	Pin	1	9110120843	9110120843	9110120843
4	Washer	1	1770120000	1770120000	1770120000
5 *	'O' Ring	1	911221101406	911221101406	911221101406
6	Lock Ring Segments	1 Set	1710111700	1710111700	1710111700
7	Stop Ring	1	2270155900	2270155900	2270155900
8 *	Packing Unit Sub-Assembly	1 Set	186010117801	186010118101	186010118701
9	Retainer Ring	1	1770118100	1770118100	1770118100
10 *	Shear Pin	2	9110130937	9110130937	9110130937
11	Bottom Sub	1	1980129700	1980129800	2600130200
12 *	Set Screw	3	18556220250	18556220250	18556220250
13	Equalizing Mandrel	1	1800104500	1800104500	1800104500
14 *	'O' Ring Seal	2	911221101106	911221101106	911221101106
15 *	'O' Ring Seal	1	911221111006	911221111006	911221111006
16	Plug	1	1980143700	1980143700	1980143700
REDRESS KIT (* Included as part of Kit)			2225130524178	2225130524181	2225130524187

ENGINEERING DATA:

OD - (No-Go)		1.771"	1.802"	1.865"	
FISHING NECK OD		1.375"	1.375"	1.375"	
RUNNING TOOL Note *1	2 3/8" 'ROTC-1'	41022012370	41022012370	41022012370	
	2 3/8" 'ROTBG'	4101052370	4101052370	4101052370	
PULLING TOOL Note *2	SHEAR DOWN	'ROTSB'	4014012000	4014012000	4014012000
		'ROTJDC' (a)	400703022000 (a)	400703022000 (a)	400703022000
	SHEAR UP	'ROTRB'	4013012000	4013012000	4013012000
		'ROTJUC' (a)	400716022000 (a)	400716022000 (a)	400716022000
PULLING PROBE	Type 'ROTB'	Short	1950185000	1950185000	1950185000
		Long	1950185001	1950185001	1950185001
LENGTH		15.60"	15.60"	15.60"	
MATERIAL		Alloy	Alloy	Alloy	
WEIGHT lbs (kg)		7.5 (3.40)	7.6 (3.45)	7.8 (3.50)	

Reference: REDRESS KIT - Parts of (DET 8), Only 'V' Packing (Qty - 6 only) included as part of the REDRESS KIT

Note: *1 - either / or Running Tools can be Used

Note: *2 CAUTION:

(a) - Pulling Tool 'ROTJDC' and 'ROTJUC' cannot be used for 1.781" Size

- Pulling Tool 'ROTJDC' and 'ROTJUC' will not pass thru 1.812" Seal Bore, but may be used for retrieving if there is no restriction in the tubing above the accessory smaller than the next larger Seal Bore.



SECTION XVI: PLUG ASSEMBLIES for NIPPLES

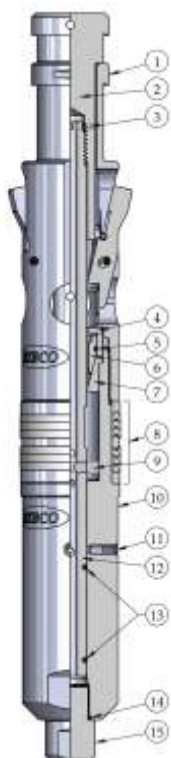
2013

JP042613

REBCO

Type 'ROTRZG-2' Plug Choke with Removable Mandrel (BOTTOM No-Go) - Continued

NOMINAL SIZE	2 7/8" (2 1/2")		3 1/2"
SEAL BORE SIZE	2.250"	2.313"	2.562"
ASSEMBLY NUMBER	2213220522250	2213220522310	2213220522560



DET	PART NAME	QTY	PART NO	PART NO	PART NO
1	Lock Mandrel Sub-Assembly	1	10222202870	10222202870	10222202560
2	Fishing Neck	1	1980165200	1980165200	2710124200
3 *	Pin	1	9110121156	9110121156	9110121156
4	Washer	1	1770133100	1770133100	1770133200
5 *	'O' Ring	1	911221101806	911221101806	911221101806
6	Lock Ring Segments	1 Set	1770134000	1770134000	1770134000
7	Stop Ring	1	1770134200	1770134200	1770134200
8 *	Packing Unit Sub-Assembly	1 Set	186010122501	186010123101	186010125601
9 *	Shear Pin	1	91101441250	91101441250	91101441250
10	Bottom Sub	1	1980129900	1980129900	2630172500
11 *	Set Screw	3	18556220312	18556220312	18556220312
12	Equalizing Mandrel	1	1770134100	1770134100	1770134100
13 *	'O' Ring Seal	2	911221111306	911221111306	911221111306
14 *	'O' Ring Seal	1	911221111506	911221111506	911221111506
15	Plug	1	1980131500	1980131500	1980131500
REDRESS KIT (* Included as part of Kit)			2225130524225	2225130524231	2225130524256

ENGINEERING DATA:

OD - (No-Go)		2.240"	2.302"	2.557"	
FISHING NECK OD		1.750"	1.750"	1.750"	
RUNNING TOOL Note *1	2 7/8" 'ROTC-1'	41022012870	41022012870	41022012870	
	2 7/8" 'ROTBG'	4101052870	4101052870	4101052870	
PULLING TOOL Note *2	SHEAR DOWN	'ROTSB'	4014012500	4014012500	
		'ROTJDC' ^(a)	400703022500 ^(a)	400703022500	
	SHEAR UP	'ROTRB'	4013012500	4013012500	4013012500
		'ROTJUC' ^(a)	400716022500 ^(a)	400716022500	400716022500
PULLING PROBE	Type	Short	1950185100	1950185400	
	'ROTB'	Long	1950185101	1950185101	
LENGTH		16.06"	16.06"	17.50"	
MATERIAL		Alloy	Alloy	Alloy	
WEIGHT lbs (kg)		13.0 (5.90)	13.1 (5.94)	17.0 (7.71)	

Reference: REDRESS KIT - Parts of (DET 8), Only 'V' Packing (Qty - 6 only) included as part of the REDRESS KIT

Note: *1 - either / or Running Tools can be Used

Note: *2 ^(a) - CAUTION:

Pulling Tool 'ROTJDC' and 'ROTJUC' will not pass thru 2.250" Seal Bore, but may be used for retrieving if there is no restriction in the tubing above the accessory smaller than the next larger Seal Bore.



SECTION XVI: PLUG ASSEMBLIES for NIPPLES

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REBCO

Type 'ROTRZG-2' Plug Choke with Removable Mandrel (BOTTOM No-Go) - Continued



NOMINAL SIZE	3 1/2"
SEAL BORE SIZE	2.750"
ASSEMBLY NUMBER	2213220522750

DET	PART NAME	QTY	PART NO
1	Lock Mandrel Sub-Assembly	1	10222203500
2	Fishing Neck	1	1900179900
3 *	Pin	1	9110121156
4	Washer	1	1770133200
5 *	'O' Ring	1	911221101806
6	Lock Ring Segments	1 Set	1770134000
7	Stop Ring	1	1770134200
8 *	Packing Unit Sub-Assembly	1 Set	186010127501
9 *	Shear Pin	1	91101441250
10	Bottom Sub	1	1980130000
11 *	Set Screw	3	18556220312
12	Equalizing Mandrel	1	1770134100
13 *	'O' Ring Seal	2	911221111306
14 *	'O' Ring Seal	1	911221111506
15	Plug	1	1980131500
REDRESS KIT (* Included as part of Kit)			2225130524275

ENGINEERING DATA:

MAXIMUM OD - (No-Go)		2.740"
FISHING NECK OD		2.313"
RUNNING TOOL Note *1	3 1/2" 'ROTC-1'	41022013500
	3 1/2" 'ROTBG'	4101053500
PULLING TOOL Note *2	SHEAR DOWN	'ROTSB' ^(a) 4014013000 ^(a)
		'ROTSB' ^(b) 4014013001 ^(b)
	SHEAR UP	'ROTJDC' ^(a) 400703023000 ^(a)
		'ROTRB' 4013013000
PULLING PROBE Note *3	Type 'ROTB'	Short ^(c) 1950185200 ^(c)
		Long 1950185201
LENGTH		19.75"
MATERIAL		Alloy
WEIGHT lbs (kg)		23.7 (10.75)

Reference: REDRESS KIT - Parts of (DET 8), Only 'V' Packing (Qty - 6 only) included as part of the REDRESS KIT

Note: *1 – either / or Running Tools can be Used

Note: *2 CAUTION:

- (a) - Pulling Tool 'ROTJDC' and 'ROTJUC' will not pass thru 2.750" Seal Bore.
- Pulling Tool 'ROTSB' - 3" (4014013000) - 2.843" OD will not pass thru 2.750" Seal Bore.
- (b) - Pulling Tool 'ROTSB' - 3" (4014013001) - 2.743" OD will pass thru 2.750" Seal Bore.

Note: *3

- (c) – Long Pulling Probe Type 'ROTB' (1950185201) should be used to retrieve 3 1/2" Type 'ROTRZG-2' Plug.

- See **PRODUCT CODE 10**, Lock Mandrels: Type 'S-2', 'W-2' and 'Z-2' for more details



SECTION XVI: PLUG ASSEMBLIES for NIPPLES

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REBCO

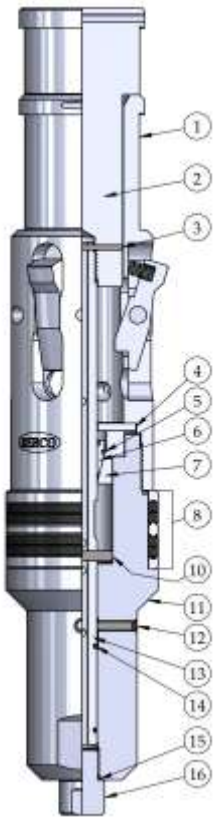
Product Code 21

Type 'ROTRZG-1' Plug Choke with Removable Mandrel (BOTTOM No-Go): 4 1/2"

Rebco Type 'ROTRZG-1' Plug Choke (By-pass Blanking Plug) with Removable Mandrel is a positive blank-off device designed to seal off pressure from above and below. The Plug Assembly is a Bottom No-Go device to be set in Type 'BR' Landing Nipple.

NOTE: Type 'ROTRZG-1' Plug Choke (By-pass Blanking Plug) with Removable Mandrel uses different type of Lock (Dog).

Plug Chokes are available in a variety of Materials, suitable for down-hole conditions.



NOMINAL SIZE	4 1/2"		
SEAL BORE SIZE	3.688"	3.750"	3.813"
ASSEMBLY NUMBER	2113220513680	2113220513750	2113220513810

DET	PART NAME	QTY	PART NO	PART NO	PART NO
1	Lock Mandrel Sub-Assembly	1	10221204500	10221204500	10221204500
2	Fishing Neck	1	2100125800	2100125800	2100125800
3 *	Pin	1	9110121750	9110121750	9110121750
4	Washer	1	2090196200	2090196200	2090196200
5 *	'O' Ring	1	911221101806	911221101806	911221101806
6	Lock Ring Segments	1 Set	1770134000	1770134000	1770134000
7	Stop Ring	1	2090196300	2090196300	2090196300
8 *	Packing Unit Sub-Assembly	1 Set	186010136801	186010137501	186010138101
10 *	Shear Pin	1	91101441375	91101441375	91101441375
11	Bottom Sub	1	2090196400	2790104900	2100130500
12 *	Set Screw	3	18557220312	18557220312	18557220312
13	Equalizing Mandrel	1	1770134100	1770134100	1770134100
14 *	'O' Ring Seal	2	911221111306	911221111306	911221111306
15 *	'O' Ring Seal	1	911221111506	911221111506	911221111506
16	Plug	1	1980131500	1980131500	1980131500
REDRESS KIT (* Included as part of Kit)			21251305124368	21251305124375	21251305124381

ENGINEERING DATA:

OD - (No-Go)		3.678"	3.740"	3.802"
FISHING NECK OD		3.125"	3.125"	3.125"
RUNNING TOOL Note *1	4 1/2" 'ROTC-1'	41022014500	41022014500	41022014500
	4 1/2" 'ROTBG'	4101054500	4101054500	4101054500
PULLING TOOL Note *2	SHEAR DOWN	'ROTSB'	4014014000	4014014000
		'ROTJDC' (a)(b)	400703024000 (a)	400703024000 (b)
	SHEAR UP	'ROTRB'	4013014000	4013014000
		'ROTJUC' (a)(b)	400716024000 (a)	400716024000 (b)
PULLING PROBE	4 1/2" Type 'ROTB'	1950185300	1950185300	1950185300
LENGTH		20.3"	20.3"	20.3"
MATERIAL		Alloy	Alloy	Alloy
WEIGHT lbs (kg)		37.7 (17.10)	37.8 (17.15)	39.0 (17.69)

Reference: REDRESS KIT - Parts of (DET 8), Only 'V' Packing (Qty - 6 only) included as part of the REDRESS KIT

Note: *1 - either / or Running Tools can be Used

Note: *2 CAUTION:

(a) - Pulling Tool 'ROTJDC' and 'ROTJUC' will not pass thru 3.688" Seal Bore.

(b) - Pulling Tool 'ROTJDC' and 'ROTJUC' will not pass thru 3.750" Seal Bore, but may be used for retrieving if there is no restriction in the tubing above the accessory smaller than the next larger Seal Bore.

- See **PRODUCT CODE 10**, Lock Mandrels: Type 'S-2,1', 'W-2,1' and 'Z-2,1' for more details



SECTION XVI: PLUG ASSEMBLIES for NIPPLES

2013

JP042613

REBCO

Product Code 21

Type 'ROTFMH' Plug Choke with Removable Mandrel (Top No-Go): 2.75" – 3.81"

Rebco Type 'ROTFMH' Plug Choke with Removable Mandrel is a positive blank-off device designed to seal off pressure from above and below. The Plug Assembly is a **Top No-Go** device to be set in Type 'BF' Landing Nipple and upper seal bore of the Type 'ROTL' Sliding Sleeve.

The Plug requires TWO runs to be set.

Plug Chokes are available in a variety of Materials, suitable for down-hole conditions.



NIPPLE SEAL BORE SIZE	2.750"	2.813"
ASSEMBLY NUMBER	2125090627530	2125090628130

DET	PART NAME	QTY	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY - 'ROTM'	1	10092027503	10092028103
2	EQUALIZING SUB-ASSEMBLY - 'ROTBH'	1	2401063503	2401063503
REDRESS KIT			2125060624275	2125060624281

ENGINEERING DATA

MAXIMUM OD (NO-GO)		2.803"	2.872"
FISHING NECK SIZE	LOCK MANDREL	2.31"	2.31"
	EQUALIZING PRONG	2.313"	2.313"
LENGTH		36.41"	36.41"
MATERIAL *		Norm Alloy	Norm Alloy

TOOLS REQUIRED:

RUNNING TOOL / PULLING TOOL - 'ROTGS'	40051427500	40051427500
RUNNING / PULLING PRONG - 'ROTM'	41092750	41092810
EQ. PRONG RUNNING / PULLING TOOL - 'ROTSB'	4014013000	4014013000

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

NIPPLE SEAL BORE SIZE	3.688"	3.750"	3.813"
ASSEMBLY NUMBER	2125090636830	2125090637530	2125090638130

DET	PART NAME	QTY	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY - 'ROTM'	1	10092036803	10092037503	10092038103
2	ADAPTER SUB	1	2120173603	2380102603	2120185003
3	EQUALIZING SUB-ASSEMBLY - 'ROTBH'	1	2401064503	2401064503	2401064503
REDRESS KIT			2125060624368	2125060624375	2125060624381

ENGINEERING DATA

MAXIMUM OD (NO-GO)		3.740"	3.802"	3.864"
FISHING NECK SIZE	LOCK MANDREL	3.12"	3.12"	3.12"
	EQUALIZING PRONG	3.125"	3.125"	3.125"
LENGTH		44.63"	44.63"	44.63"
MATERIAL *		Norm Alloy	Norm Alloy	Norm Alloy

TOOLS REQUIRED:

RUNNING TOOL / PULLING TOOL - 'ROTGS'	40051436804	40051436804	40051436804
RUNNING / PULLING PRONG - 'ROTM'	41094500	41094500	41094500
EQ. PRONG RUNNING / PULLING TOOL - 'ROTSB'	4014014000	4014014000	4014014000

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





SECTION XVI: PLUG ASSEMBLIES for NIPPLES

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JP042613

REBCO

Product Code 21

Type 'ROTRKH' Plug Choke with Removable Mandrel (Bottom No-Go): 2.75" – 3.81"

Rebco Type 'ROTRKH' Plug Choke with Removable Mandrel is a positive blank-off device designed to seal off pressure from above and below. The Plug Assembly is a **Bottom No-Go** device to be set in Type 'BR' Landing Nipple.

The Plug requires TWO runs to be set.

Plug Chokes are available in a variety of Materials, suitable for down-hole conditions.



NIPPLE SEAL BORE SIZE	2.750"	2.813"
ASSEMBLY NUMBER	2113240627530	2113240628130

DET	PART NAME	QTY	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY - 'ROTK'	1	10242027503	10242028103
2	EQUALIZING SUB-ASSEMBLY - 'ROTBH'	1	2401063503	2401063503
REDRESS KIT			2125060624275	2125060624281

ENGINEERING DATA

MAXIMUM OD (NO-GO)		2.745"	2.802"
FISHING NECK SIZE	LOCK MANDREL	2.31"	2.31"
	EQUALIZING PRONG	2.313"	2.313"
LENGTH		36.41"	36.41"
MATERIAL *		Norm Alloy	Norm Alloy

TOOLS REQUIRED:

RUNNING TOOL / PULLING TOOL - 'ROTGS'	40051427500	40051427500
RUNNING / PULLING PRONG - 'ROTM'	41092750	41092810
EQ. PRONG RUNNING / PULLING TOOL - 'ROTSB'	4014013000	4014013000

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

NIPPLE SEAL BORE SIZE	3.688"	3.750"	3.813"
ASSEMBLY NUMBER	2113240636830	2113240637530	2113240638130

DET	PART NAME	QTY	PART NO	PART NO	PART NO
1	LOCK MANDREL ASSEMBLY - 'ROTK'	1	10242036803	10242037503	10242038103
2	ADAPTER SUB	1	2120173603	2380102603	2120185003
3	EQUALIZING SUB-ASSEMBLY - 'ROTBH'	1	2401064503	2401064503	2401064503
REDRESS KIT			2125060624368	2125060624375	2125060624381

ENGINEERING DATA

MAXIMUM OD (NO-GO)		3.68"	3.74"	3.80"
FISHING NECK SIZE	LOCK MANDREL	3.12"	3.12"	3.12"
	EQUALIZING PRONG	3.125"	3.125"	3.125"
LENGTH		44.63"	44.63"	44.63"
MATERIAL *		Norm Alloy	Norm Alloy	Norm Alloy

TOOLS REQUIRED:

RUNNING TOOL / PULLING TOOL - 'ROTGS'	40051436804	40051436804	40051436804
RUNNING / PULLING PRONG - 'ROTM'	41094500	41094500	41094500
EQ. PRONG RUNNING / PULLING TOOL - 'ROTSB'	4014014000	4014014000	4014014000

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





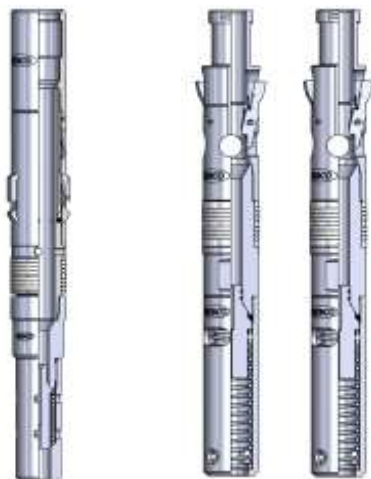
SECTION XVI: PLUG ASSEMBLIES for NIPPLES

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REBCO

Product Code 20: D - PLUGS: Circulating Type Chokes for Nipples



- **Circulating Chokes** restrict fluid flow in the tubing string.
- A wide range of orifice sizes in the Bean (designated by 64th); often used to measure the flow.
- Used to reduce the production when desirable.

Types Available: 'ROTAX', 'ROTAR', 'ROTFWT', 'ROTRZT'

- Specify Nipple Profile, Size of Seal Bore, Material required, Size of Bean orifice

Product Code 20: E - PLUGS: Circulating Blanking Plugs for Nipples

- **Circulating Blanking Plugs** hold pressure from below while allowing circulation from above.
- The internal Valve is depressed to allow by-pass while running or pulling the Plug.

Types Available: 'ROTCX', 'ROTCR', 'ROTFB', 'ROTFWB', 'ROTRZB', 'ROTFGB', 'ROTFMB', 'ROTRKB'

- Specify Nipple Profile, Size of Seal Bore, Material required.



Product Code 21: F - PLUGS: Pump Through

- **Pump Through Plugs** hold pressure from below while allowing circulation from above.

Types Available: 'RXO', 'RXN', 'XRO', 'XRN'

- Specify Nipple Profile, Size of Seal Bore, Material required.



Product Code 20: G Plug Chokes for Tubing

- **Plug Chokes for Tubing** are used to hold limited pressure differentials

Types Available: 'ROTCW', 'ROTDW', 'ROTDD', 'ROTCD'

Specify when Ordering