



SECTION I: TOOL STRING

2021

REBCO

Product Code: 102

Rebco JARS are the main work Tools of a Wireline Tool String; it is through their proper manipulation that all wire line sub-surface operations are possible.

Type 'AO', 'AD' and 'AS' Link Jar Assembly: 3/4" – 2 1/2"

- Rebco** offers three types of Link Jars: 1. Type '**AO**' - Threaded Connections
2. Type '**AD**' - 'QLS' Connections with '**RQLD**'
3. Type '**AS**' - QLS' Connections with '**RQLS**'

Link Jars consist of two interlocking steel links with a Fishing Neck and Pin-Box connection. The interlocking steel links can be extended or collapsed by manipulating the Wireline at the surface to produce upward or downward jarring. The intensity of jarring impact depends on the weight of the Wireline Stem (**PRODUCT CODE 101**) installed above the Jar, and the stroke of the Jar as well as the wellbore conditions.



MAX OD	STROKE	ASSEMBLY NO		FN OD	CONNECTION		LENGTH		WEIGHT Lbs (kgs)
		THREADED	‘QLS’		THREAD	‘QLS’	CLOSED	OPEN	
3/4”	6.0”	10200200756	NONE	.687”	1/2” - 13	NONE	14.0”	26.0”	3.3 (1.50)
	10.0”	10200200751					18.0”	38.0”	4.5 (2.04)
1”	7.0”	10200201007	NONE	1.000”	5/8” - 11	NONE	14.2”	28.5”	8.0 (3.63)
	10.0”	10200201001					18.2”	38.4”	8.8 (3.99)
	14.0”	10200201014					26.0”	42.0”	15.6 (7.08)
1 1/4”	20.0”	10200201252	10200141252	1.187”	15/16” - 10	‘RQLS’	43.54”	62.87”	16.4 (7.44)
	30.0”	10200201253	10200141253				53.54”	82.87”	20.0 (9.07)
1 1/2”	20.0”	10200201502	10200031502	1.375”	15/16” - 10	‘RQLD’	43.54”	62.87”	17.6 (8.0)
	30.0”	10200201503	10200031503				53.54”	82.87”	21.2 (9.6)
1 3/4”	20.0”	10200201752	10200031752	1.750”	1 1/16” - 10	‘RQLD’	43.50”	62.74”	29.2 (13.24)
	30.0”	10200201753	10200031753				53.50”	82.74”	34.0 (16.60)
1 7/8”	20.0”	10200201872	10200031872	1.750”	1 1/16” - 10	‘RQLD’	43.50”	62.74”	29.4 (13.35)
	30.0”	10200201873	10200031873				53.50”	82.74”	34.0 (15.4)
2 1/8”	20.0”	10200202122	10200032122	1.750”	1 1/16” - 10	‘RQLD’	43.54”	62.63”	33.0 (14.99)
	30.0”	10200202123	10200032123				53.54”	82.63”	43.3 (19.65)
2 1/2”	20.0”	10200202502	10200032502	2.313”	1 1/16” - 10	‘RQLD’	45.50”	62.49”	51.7 (23.45)
		10200202512			1 9/16” - 10				
	30.0”	10200202503	10200032503		1 1/16” - 10	‘RQLD’	55.50”	82.49”	64.9 (29.45)
		10200202513			1 9/16” - 10				

Parts: To service integral QLS Connections
- **Rebco** Type '**RQLS**' and '**RQLD**'

QLS SIZE	PART NAME		
	SPRING - 1	GUIDE - 2	LOCK - 3
	PART NUMBER	PART NUMBER	PART NUMBER
1 1/4"	9000191	104014	104015
1 1/2"	900016	1040111	1040110
1 3/4"			1040122
1 7/8"			1040115
2 1/8"			1040128
2 1/2"			1040131



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Type 'BO' and 'BD' Hydraulic Jar Assembly: 1 1/4" – 2 1/8"

Rebco Hydraulic Jar is used to apply high impact force. The closed hydraulic system within the jar makes it possible for the jarring impact to be controlled. The intensity of the impact is proportionate to the full force on the Wireline and to the weight of Stem. To activate the jars for next jarring impact, setting down the weight of the tool string, the internal metering of the hydraulic fluid sets the jars for activating force.

Hydraulic fluid can be substituted to suit the needs of the operator; **caution:** should prevail to achieve the same end result.



Type 'BO' - Threaded Connection

NOM SIZE	ASSEMBLY NUMBER	ENGINEERING				
		MAX OD	CONNECTION	FISHING NECK	LENGTH	WEIGHT Lbs (kgs)
1 1/4"	10201201250	1.25"	15/16" - 10	1.187"	29.0"	10.0 (4.54)
1 1/2"	10201201500	1.50"	15/16" - 10	1.375"	29.5"	10.2 (4.63)
1 3/4"	10201201750	1.75"	1 1/16" - 10	1.750"	32.64"	20.0 (9.07)
1 7/8"	10201201870	1.88"			36.1"	21.6 (9.8)
2 1/8"	10201202120	2.12"			36.75"	30.0 (13.61)
2 1/2"	10201202500	2.50"	1 9/16" - 10	2.313"	36.75"	36.6 (16.6)
	10201202501					



Type 'BD' - QLS Connection

NOM SIZE	ASSEMBLY NUMBER	ENGINEERING				
		MAX OD	CONNECTION	FISHING NECK	LENGTH	WEIGHT Lbs (kgs)
1 1/4"	10201141250	1.25"	'RQLS'	1.187"	30.63"	11.0 (4.99)
1 1/2"	10201031500	1.50"	'RQLD'	1.375"	31.12"	14.5 (6.58)
1 3/4"	10201031750	1.75"		1.750"	34.27"	17.5 (7.94)
1 7/8"	10201031870	1.88"			37.75"	21.7 (9.84)
2 1/8"	10201032120	2.12"			38.38"	40.5 (18.37)
2 1/2"	10201032500	2.50"		2.313"		

Type 'BO' and Type 'BD' Hydraulic Jar - Re Dress (Service) Kits:

NOM SIZE	SERVICE KIT	
	Type 'BOK'	Type 'BDK' *
1 1/4"	102012024125	102011424125
1 1/2"	102012024150	102010324150
1 3/4"	102012024175	102010324175
1 7/8"	102012024187	102010324187
2 1/8"	102012024212	102010324212
2 1/2"	102012024250	102010324250

* **NOTE:** Type 'BDK' also includes QLS Parts



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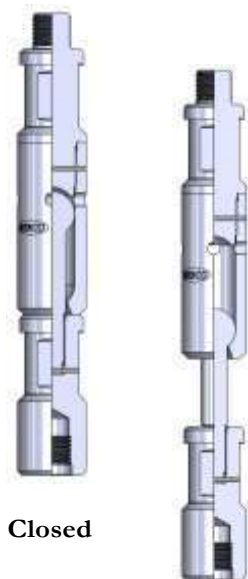
Type 'CO' and 'CD' Knuckle Jar Assembly: 1 1/4" – 2 1/2"

Rebco Knuckle Jar is similar in design to the Knuckle Joint (Product Code 103), the difference being is that the Knuckle Jar in addition to its flexibility is used as a Tubular Jar (Product Code 102).

Typically, Knuckle Jar is used with **BHP** work and light duty Wireline applications.

Rebco offers Knuckle Jars with 2", 4", 6", and 8" Stroke and double Fishing Neck.

Rebco Type 'CO'
Knuckle Jar



Closed

Open



ASSEMBLY NUMBER	MAX OD	STROKE LENGTH (Inches)	ENGINEERING DATA					
			FISHING NECK	THREAD CONNECTION	LENGTH (Inches)		WEIGHT	
					Closed	Open	lbs	kgs
10202201252	1 1/4"	2	1.187"	15/16" - 10	12.8	14	3.34	1.51
10202201254		4			14.8	18	3.8	1.7
10202201256		6			16.8	22	4.42	2.0
10202201258		8			18.8	26	4.96	2.25
10202201502	1 1/2"	2	1.375"	15/16" - 10	12.25	14	4.41	2
10202201504		4			14.25	18	5.1	2.3
10202201506		6			16.37	22	5.8	2.65
10202201508		8			18.37	26	6.61	3
10202201752	1 3/4"	2	1.750"	1 1/16" - 10	12.96	14.96	7.39	3.35
10202201754		4			14.96	18.96	8.6	3.93
10202201756		6			16.96	22.96	9.4	4.3
10202201758		8			18.96	26.96	10.81	4.9
10202201872	1 7/8"	2	1.750"	1 1/16" - 10	12.96	14.96	7.39	3.35
10202201874		4			14.96	18.96	8.6	3.93
10202201876		6			16.96	22.96	9.4	4.3
10202201878		8			18.96	26.96	10.81	4.9
10202202124	2 1/8"	4	1.750"	1 1/16" - 10	14.96	18.96	9.13	4.14
10202202126		6			16.96	22.96	10.35	4.69
10202202504	2 1/2"	4	2.313"	1 1/16" - 10	15.44	19.44	10.65	4.83
10202202506		6			17.44	23.44	12.03	5.46
10202202514		4		1 9/16" - 10	15.84	19.84	10.7	4.85
10202202516		6			17.84	23.84	12.1	5.49

ASSEMBLY NUMBER	MAX OD	STROKE LENGTH (Inches)	FISHING NECK	CONNECTION	LENGTH (Inches)		WEIGHT	
					Closed	Open	lbs	kgs
10202031504	1 1/2"	4	1.375"	'RQLD'	19.75	23.38	6.6	3
10202031506		6			21.75	27.38	7.18	3.26
10202031874	1 7/8"	4	1.750"	'RQLD'	19.75	23.75	10.6	4.8
10202031876		6			21.75	27.75	11.75	5.33
10202032124	2 1/8"	4	1.750"	'RQLD'	19.94	23.94	12.96	5.88
10202032126		6			21.94	27.94	14.26	6.47
10202032504	2 1/2"	4	2.313"	'RQLD'	20.44	24.44	20.03	9.1
10202032506		6			22.44	28.44	22	9.98

Rebco Type 'CS' Knuckle Jar with 'RQLS' connection is available

Rebco Type 'CD'
Knuckle Jar



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REBCO

Type 'DO' and 'DD' Tubular Jar Assembly: 1/2" – 2 1/2"

Rebco Tubular Jar consists of a perforated tube for fluid by-pass, and a mandrel connected to the fishing neck. A telescoping mandrel is extended or collapsed within the tube by manipulating the Wireline at the surface, thus jarring action is produced. As in Type 'AO' Link Jars, the intensity of jarring impact depends on the weight of Stem and wellbore conditions.

Rebco offers Tubular Jars with various Stroke lengths, Tool String Connections, and added feature of the double Fishing Neck.

Type 'DO' - Threaded Connection



NOM SIZE	STROKE	ASSEMBLY NUMBER	ENGINEERING				
			MAX OD	CONNECTION	FISHING NECK	LENGTH	WEIGHT Lbs (kgs)
1/2"	6"	10203200500	.50"	3/8" - 16	NONE	13.5"	.6 (.27)
3/4"	6.0"	10203200750	.75"	1/2" - 13	.687"	14.0"	1.2 (.54)
	10.0"	10203200751				18.0"	1.54 (.7)
1"	6.0"	10203201000	1.00"	5/8" - 11	.750"	14.2"	2.1 (.95)
	10.0"	10203201001				18.0"	2.7 (1.25)
	14.0"	10203201002				26.0"	3.9 (1.77)
1 1/4"	20.0"	10203201252	1.25"	15/16" - 10	1.187"	32.12"	8.2 (3.70)
	30.0"	10203201253				42.12"	10.75 (4.88)
1 1/2"	20.0"	10203201502	1.50"	15/16" - 10	1.375"	35.48"	13.2 (6.0)
	24.0"	10203201524				39.48"	15.8 (7.18)
	30.0"	10203201503				45.48"	19.8 (8.98)
1 3/4"	20.0"	10203201752	1.75"	1 1/16" - 10	1.750"	35.48"	17.0 (7.7)
	30.0"	10203201753				45.48"	21.8 (9.90)
1 7/8"	20.0"	10203201872	1.88"	1 1/16" - 10	1.750"	36.52"	18.8 (8.53)
	24.0"	10203201824				40.52"	21.07 (9.56)
	30.0"	10203201873				46.52"	24.19 (10.97)
2 1/8"	20.0"	10203202122	2.12"	1 9/16" - 10	2.313"	43.54"	33.0 (14.99)
	30.0"	10203202123				53.54"	43.3 (19.65)
2 1/2"	20.0"	10203202502	2.50"	1 9/16" - 10	2.313"	34.22"	34.0 (15.42)
		10203202512		1 1/16" - 10		44.22"	42.37 (19.40)
	30.0"	10203202503		1 9/16" - 10			
		10203202513		1 9/16" - 10			



Type 'DD' - QLS Connection

NOM SIZE	STROKE	ASSEMBLY NUMBER	ENGINEERING				
			MAX OD	CONNECTION	FISHING NECK	LENGTH	WEIGHT Lbs (kgs)
1 1/4"	20.0"	10203141252	1.25"	'RQLS'	1.187"	33.88"	10.2 (4.63)
	30.0"	10203031253				43.87"	13.75 (6.24)
1 1/2"	20.0"	10203031502	1.50"	'RQLD'	1.375"	38.48"	16.2 (7.35)
	24.0"	10203031524				42.48"	18.8 (8.53)
	30.0"	10203031503				48.48"	22.8 (10.34)
1 3/4"	20.0"	10203031752	1.75"	'RQLD'	1.750"	37.23"	20.0 (9.07)
	30.0"	10203031753				47.25"	24.8 (11.25)
1 7/8"	20.0"	10203031872	1.88"	'RQLD'	1.750"	38.27"	21.8 (9.89)
	24.0"	10203031824				42.28"	24.07 (10.92)
	30.0"	10203031873				46.52"	27.19 (12.33)
2 1/8"	20.0"	10203032122	2.12"	'RQLD'	2.313"	48.27"	36.0 (16.33)
	30.0"	10203032123				55.29"	46.3 (21.0)
2 1/2"	20.0"	10203032502	2.50"	'RQLD'	2.313"		
		10203032512				38.13"	37.4 (16.96)



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REBCO

Type 'SO' and 'SD' Spring Jar Assembly: 1 1/2" – 2 1/2"

Rebco Spring Jar is a telescoping up-stroke Jar installed below the Stem. The impact force can be predetermined at surface by the Operator with the Calibration Unit shown below.

Rebco offers Spring Jars with Threaded or **QLS** Connections.

Type 'SO' - Threaded Connection

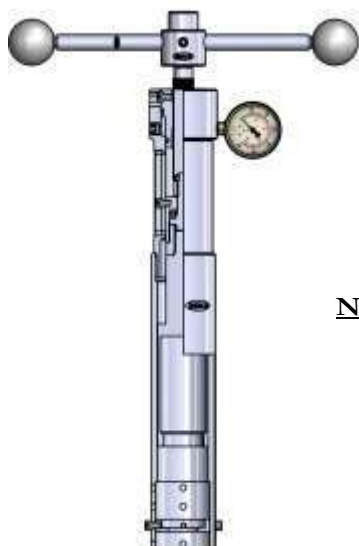
NOM SIZE	ASSEMBLY NUMBER	ENGINEERING				
		MAX OD	CONNECTION	FISHING NECK	LENGTH	WEIGHT Lbs (kgs)
1 1/2"	10214201500	1.50"	15/16" - 10	1.375"	35.68"	14.20 (6.94)
1 3/4"	10214201750	1.75"	1 1/16" - 10	1.750"	37.55"	19.28 (8.75)
1 7/8"	10214201870	1.88"				22.45 (10.18)
2 1/8"	10214202120	2.12"				29.56 (13.41)
2 1/2"	10214202500	2.50"	1 9/16" - 10	2.313"	38.65"	43.36 (21.97)
	10214202501				38.90"	

Type 'SD' - QLS Connection

NOM SIZE	ASSEMBLY NUMBER	ENGINEERING				
		MAX OD	CONNECTION	FISHING NECK	LENGTH	WEIGHT Lbs (kgs)
1 1/2"	10214031500	1.50"	'RQLD'	1.375"	42.38"	16.01 (7.26)
1 3/4"	10214031750	1.75"		1.750"	43.40"	22.21 (10.07)
1 7/8"	10214031870	1.88"				25.75 (11.68)
2 1/8"	10214032120	2.12"				33.83 (15.35)
2 1/2"	10214032500	2.50"		2.313"	44.00"	48.43 (21.97)

ACCESSORIES: Shown Tools are necessary to set the Jars for desired Impact. Tools are priced separately. Order by **PART NUMBER** shown.

Calibration Unit



TOOL	SIZE	PART NUMBER
CALIBRATION UNIT	1 1/2" - 2 1/8"	10202161
	2 1/2"	10202162
ADJUSTMENT WRENCH	1 1/2"	1021433
	1 3/4" - 2 1/8"	1021434
	2 1/2"	1021451
RELEASE WRENCH	1 1/2"	1021413
	1 3/4" - 2 1/8"	1021435
	2 1/2"	1021449
		1021450

NOTE: See **Rebco** 'DOM' (Design and Operating Manual) for proper Service and Setting of **Rebco** Type 'SO' and Type 'SD' Jars.

Adjustment Wrench



Release Wrench