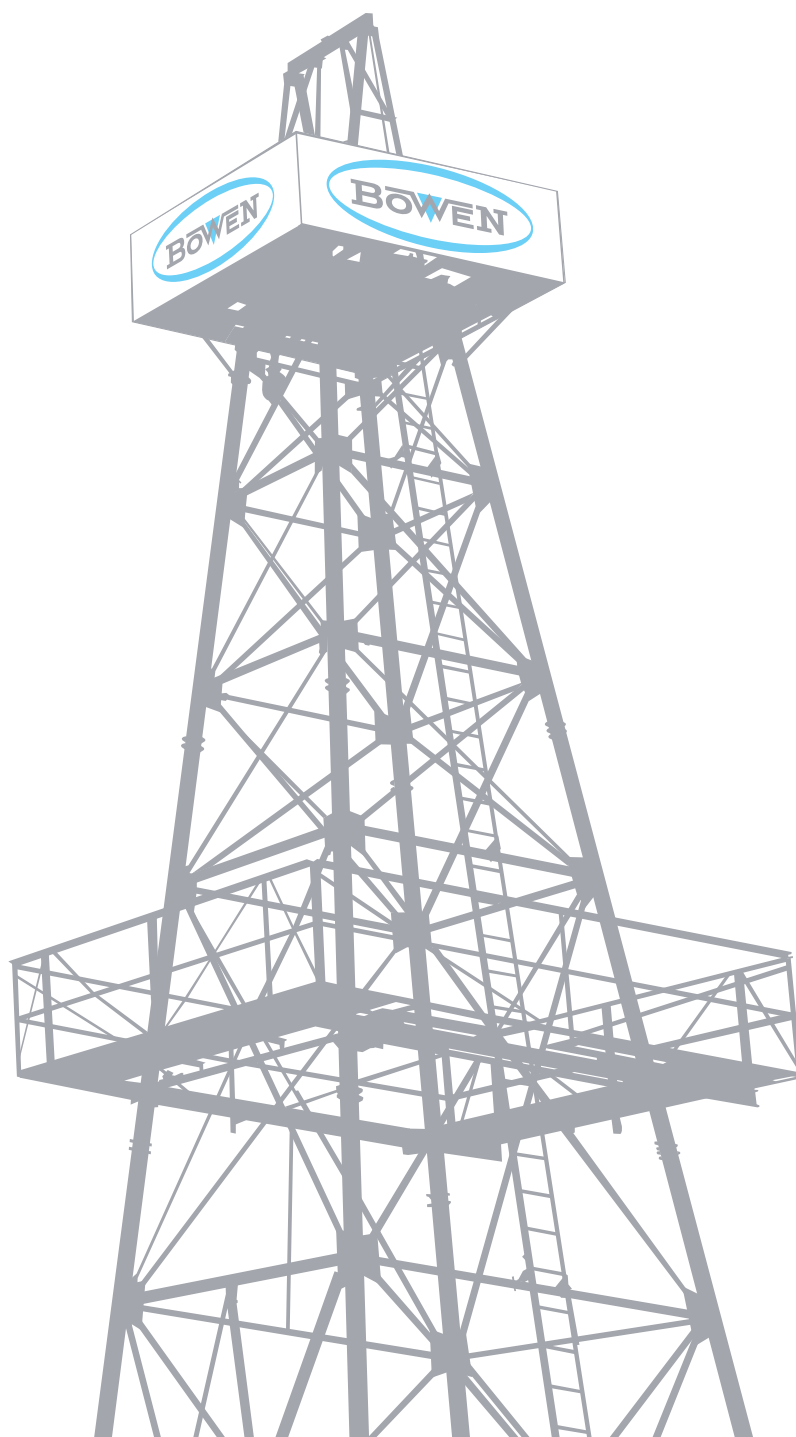


Bowen™ Series 150 Overshots Supplement

Instruction Manual 1150A



Bowen™ Series 150 Overshots Supplement

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Explanation

The lists of assemblies and accessories in Instruction Manual 1150 have been reduced to the most popular overshots and parts worldwide. This helps you quickly find the information you require and allows you to more easily transmit the electronic file.

The Bowen™ Series 150 overshot product line consists of many different sizes and types of assemblies and items. This instruction manual includes a list of more than 225 of these products. If a locally popular assembly is not listed in Manual 1150, it will probably be listed in Manual 1150A. However, this is still not a complete list. There are additional assemblies not listed.

The standard Series 150 overshot is a right-hand operation tool with right-hand threads, but there are many special types available. Some of the specialty overshots offered include:

- Right-Hand Tools with Left-Hand Threads
- Left-Hand Tools with Right Hand Threads
- Left-Hand Tools with Left Hand Threads
- Rated for H₂S Service
- Rated for CO₂ Service
- Rated for H₂s and CO₂ service
- Extreme High Strength
- Extreme Thin Wall
- Ranging in Size from 2-5/16" OD to above 42" OD

Even with all of the existing combinations, NOV continues to design new assemblies, enhancing a product line that has been around for almost a century.

The designs and specifications for the tools described in this instruction manual were in effect at the time this manual was approved for printing. National Oilwell Varco, whose policy is one of continuous improvement, reserves the right to discontinue models at any time, or to change designs and specifications without notice or without incurring obligation.

Bowen™ Series 150 Overshots Supplement

Specifications and Replacement Parts

Specifications

Maximum Catch Size (Spiral)		2 ½ in.	2 in.	2 ½ in.	2 in.	2 ½ in.	2 in.	2 ½ in.	2 in.	2 ½ in.
Maximum Catch Size (Basket)		1 ¾ in.	2 in.	1 ½ in.	1 ½ in.	1 ½ in.	2 ½ in.	2 ½ in.	2 ¾ in.	2 ¾ in.
Overshot O.D.		2 ½ in.	3 ½ in.	3 ¼ in.	3 ½ in.	4 ½ in.	3 in.	3 ¾ in.	4 in.	4 ½ in.
Standard Box Connection		Per Customer Order								
Type		SH	XSH	SH	FS	FS	XSH	SH	FS	FS
Complete Assembly (Dressed with Spiral Parts)	Part No.	16395	9305	C5072	C4741	1443	N9270	C1827	C4736	4390
	Weight	37 lbs	42 lbs	44 lbs	53 lbs	70 lbs	51 lbs	54 lbs	64 lbs	70 lbs

Replacement Parts

Top Sub	Part No.	16396	9311	A5073	B4742	1445	L9276	A1834	A4737	4391
	Weight	18 lbs	20 lbs	21 lbs	24 lbs	33 lbs	26 lbs	27 lbs	31 lbs	33 lbs
Bowl	Part No.	16397	9306	B5074	B4743	1446	M9271	B1828	B4738	4392
	Weight	8 lbs	9 lbs	10 lbs	13 lbs	18 lbs	11 lbs	12 lbs	15 lbs	18 lbs
Packer	Part No.	16398	9309	B5075	L1453	1453	M8550	A1831	L809RS	4398
	Weight	½ lb	½ lb	½ lb	½ lb	½ lb	¼ lb	¼ lb	¼ lb	¾ lb
Spiral Grapple	Part No.	16392	9307	B5077	B782	1448	M9272	A1829	M805	805
	Weight	¾ lb	¾ lb	¾ lb	¾ lb	¾ lb	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 ½ lbs
Spiral Grapple Control	Part No.	16393	9308	A5078	B783	1449	L9273	A1830	M806	806
	Weight	¾ lb	¾ lb	¾ lb	¾ lb	¾ lb	¾ lb	¾ lb	¾ lb	¾ lb
Standard Guide	Part No.	16394	9312	A5079	A4745	1450	L9275	A1833	A4740	4393
	Weight	10 lbs	11 lbs	11 lbs	14 lbs	17 lbs	11 lbs	12 lbs	16 lbs	17 lbs

Basket Parts

Basket Grapple	Part No.	16392	9307	B5077	B782	1448	M9272	A1829	M805	805
	Weight	3 ½ lbs	3 ¾ lbs	3 ¾ lbs	3 ¾ lbs	3 ¾ lbs	5 ½ lbs	5 ½ lbs	5 ½ lbs	5 ½ lbs
Basket Grapple Control	Part No.	16393	9308	A5078	B783	1449	L9273	A1830	M806	806
	Weight	2 lbs	2 ¼ lbs	2 ¼ lbs	2 ¼ lbs	2 ¼ lbs	2 ¼ lbs	2 ¼ lbs	2 ¼ lbs	2 ¼ lbs
Mill Control Packer	Part No.	16398R	9309R	B5075R	L1453R	1453R	8550R	A1831R	L809RS	4398R
	Weight	2 ½ lbs	3 lbs	3 lbs	3 lbs	3 lbs	3 lbs	3 lbs	3 lbs	3 lbs



How to Order

- Specify:
- (1) Name and number of assembly or part
 - (2) Size and type of fish to be caught
 - (3) Top connection
 - (4) OD, if other than standard



Recommended Spare Parts:

- Spiral:
- (1) 3 Packers
 - (2) 2 Grapples for each size
 - (3) 1 Control
- Basket:
- (1) 2 Grapples
 - (2) Mill Control Packers for each size
- Mill Control Packer:
- (1) 3 Inner and 3 Outer Seals



Abbreviations:

- FS (Full Strength) Engineered to withstand all pulling, torsional, and jarring strain.
 XFS (Extra Full Strength) Engineered for extreme abuse.
 SFS (Semi Full Strength) Engineered for special hole conditions commensurate with maximum strength.
 SH (Slim Hole) Engineered to withstand heavy pulling strain only.
 XSH (Extra Slim Hole) Engineered for pickup jobs only.

Bowen™ Series 150 Overshots Supplement

Specifications and Replacement Parts

Specifications

Maximum Catch Size (Spiral)		3 1/16 in.	3 1/8 in.	3 1/4 in.	3 1/2 in.	3 5/8 in.	3 3/4 in.	3 7/8 in.	3 15/16 in.	3 1/2 in.	3 5/8 in.
Maximum Catch Size (Basket)		2 1/32 in.	2 1/8 in.	2 1/4 in.	2 3/8 in.	2 1/2 in.	2 5/8 in.	2 3/4 in.	2 7/8 in.	2 1/2 in.	2 7/8 in.
Overshot O.D.		4 3/16 in.	4 in.	4 1/8 in.	4 1/4 in.	4 1/2 in.	4 5/8 in.	4 3/4 in.	4 7/8 in.	4 1/4 in.	4 3/8 in.
Standard Box Connection		Per Customer Order									
Type		FS	SH	FS	FS	FS	SH	FS	FS	SH	FS
Complete Assembly (Dressed with Spiral Parts)	Part No.	C5098	C5104	8220	N9105	C4822	C5115	9630	C5112	C5126	9635
	Weight	72 lbs	62 lbs	70 lbs	70 lbs	76 lbs	65 lbs	82 lbs	82 lbs	82 lbs	67 lbs

Replacement Parts

Top Sub	Part No.	A5099	A5105	8221	L9106	A4823	A5116	9631	A5113	A5127	9636
	Weight	33 lbs	31 lbs	33 lbs	33 lbs	35 lbs	32 lbs	38 lbs	38 lbs	33 lbs	36 lbs
Bowl	Part No.	B5100	B5106	8223	M9107	B4824	B5117	9632	B5114	B5128	9637
	Weight	18 lbs	15 lbs	18 lbs	18 lbs	19 lbs	16 lbs	21 lbs	21 lbs	17 lbs	20 lbs
Packer	Part No.	L7090	B5107	809	L809	L7090	B5118	1517	L1517	B4625	4185
	Weight	3/8 lb	3/8 lb	3/8 lb	3/8 lb	3/8 lb	3/8 lb	3/8 lb	3/8 lb	3/8 lb	3/8 lb
Spiral Grapple	Part No.	B4403	B5109	1741	M1741	B791	B5120	1518	B3205	B4627	4195
	Weight	1 1/2 lbs	1 1/2 lbs	1 1/2 lbs	1 1/2 lbs	1 1/2 lbs	1 1/2 lbs	1 1/2 lbs	1 1/2 lbs	1 1/2 lbs	1 1/2 lbs
Spiral Grapple Control	Part No.	B4404	A5110	1747	L1747	B792	A5121	1520	B3206	B4628	4196
	Weight	7/8 lb	1 lbs	1 lbs	1 lbs	1 lbs	1 lbs	1 1/8 lbs	1 1/8 lbs	1 1/8 lbs	1 1/4 lbs
Standard Guide	Part No.	A4405	A5111	1746	L1746	A793	A5122	1519	A3207	A4629	4197
	Weight	18 lbs	13 lbs	17 lbs	17 lbs	19 lbs	14 lbs	20 lbs	20 lbs	14 lbs	20 lbs

Basket Parts

Basket Grapple	Part No.	B4403	B5109	1741	M1741	B791	B5120	1518	B3205	B4627	4195
	Weight	7 1/2 lbs	7 1/2 lbs	7 1/2 lbs	7 1/2 lbs	7 1/2 lbs	7 1/2 lbs	7 1/2 lbs	7 1/2 lbs	7 1/2 lbs	7 1/2 lbs
Basket Grapple Control	Part No.	B4404	B5110	1747	L1747	B792	A5121	1520	B3206	B4628	4196
	Weight	2 3/8 lbs	3 lbs	3 lbs	3 lbs	3 lbs	3 lbs	3 3/8 lbs	3 3/8 lbs	3 3/8 lbs	3 3/4 lbs
Mill Control Packer	Part No.	L7090R	B5107R	809R	L809R	L7090R	B5118R	1517R	L1517R	B4625R	4185R
	Weight	3 1/2 lbs	4 lbs	4 lbs	4 lbs	4 lbs	4 lbs	4 1/2 lbs	4 1/2 lbs	4 1/2 lbs	5 lbs



How to Order

- Specify:
- (1) Name and number of assembly or part
 - (2) Size and type of fish to be caught
 - (3) Top connection
 - (4) OD, if other than standard



Recommended Spare Parts:

- Spiral:
- (1) 3 Packers
 - (2) 2 Grapples for each size
 - (3) 1 Control
- Basket:
- (1) 2 Grapples
 - (2) Mill Control Packers for each size
- Mill Control Packer:
- (1) 3 Inner and 3 Outer Seals



Abbreviations:

- FS (Full Strength) Engineered to withstand all pulling, torsional, and jarring strain.
 XFS (Extra Full Strength) Engineered for extreme abuse.
 SFS (Semi Full Strength) Engineered for special hole conditions commensurate with maximum strength.
 SH (Slim Hole) Engineered to withstand heavy pulling strain only.
 XSH (Extra Slim Hole) Engineered for pickup jobs only.

Bowen™ Series 150 Overshots Supplement

Specifications and Replacement Parts

Specifications

Maximum Catch Size (Spiral)		3 3/8 in.	3 3/8 in.	3 1/2 in.	3 1/2 in.	3 1/2 in.	3 1/2 in.	3 2 1/2 in.	3 2 1/2 in.	3 2 1/2 in.	3 2 1/2 in.	3 2 1/2 in.
Maximum Catch Size (Basket)		2 7/8 in.	2 7/8 in.	2 7/8 in.	3 in.	2 7/8 in.	2 7/8 in.	3 1/8 in.	3 1/8 in.	3 1/8 in.	3 1/8 in.	3 1/8 in.
Overshot O.D.		4 3/8 in.	4 1/2 in.	4 1/2 in.	4 3/8 in.	4 13/16 in.	5 1/8 in.	4 1/2 in.	4 1/2 in.	4 1 1/16 in.	4 1 1/16 in.	5 in.
Standard Box Connection		Per Customer Order										
Type		FS	FS	SH	FS	FS	FS	SH	SH	FS	FS	FS
Complete Assembly (Dressed with Spiral Parts)	Part No.	N9635	C5123	C3793	1255	C4732	C4561	17420	17201	N9109	12275	C5148
	Weight	77 lbs	86 lbs	86 lbs	90 lbs	99 lbs	118 lbs	77 lbs	77 lbs	83 lbs	83 lbs	107 lbs

Replacement Parts

Top Sub	Part No.	L9636	A5124	A3794	1246	A4733	A4562	17421	17202	L9110	12276	A5149
	Weight	36 lbs	40 lbs	40 lbs	42 lbs	45 lbs	48 lbs	30 lbs	30 lbs	40 lbs	40 lbs	49 lbs
Bowl	Part No.	M9637	B5125	A3795	1248	B4734	B4563	17422	17203	M9111	12277	B5150
	Weight	20 lbs	22 lbs	22 lbs	24 lbs	26 lbs	34 lbs	19 lbs	19 lbs	21 lbs	21 lbs	28 lbs
Packer	Part No.	L4185	L6515	L6515	1253	L168	L168	17423	L6665	L6665	6665	B3219
	Weight	3/8 lb	3/8 lb	3/8 lb	3/8 lb	3/8 lb	3/8 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lb
Spiral Grapple	Part No.	M4195	B3359	B3607	1249	M164	M164	17425	B4339	L6662	6662	B4410
	Weight	1 1/8 lbs	1 1/8 lbs	1 1/2 lbs	1 1/2 lbs	2 3/8 lbs	2 3/8 lbs	1 3/4 lbs	1 3/4 lbs	1 3/4 lbs	1 3/4 lbs	2 1/4 lbs
Spiral Grapple Control	Part No.	L4196	B3360	B3608	1250	M185	M185	17426	B4340	L6674	6674	B4411
	Weight	1 1/4 lbs	1 1/4 lbs	1 1/4 lbs	1 1/4 lbs	1 1/4 lbs	1 1/4 lbs	1 1/4 lbs	1 1/4 lbs	1 1/4 lbs	1 1/4 lbs	1 1/2 lbs
Standard Guide	Part No.	L4197	A3361	A3609	1252	A4735	A2176	17427	17204	L6667	6667	A4412
	Weight	20 lbs	21 lbs	21 lbs	23 lbs	24 lbs	32 lbs	16 lbs	16 lbs	18 lbs	18 lbs	26 lbs

Basket Parts

Basket Grapple	Part No.	M4195	B3359	B3607	1249	M164	M164	17425	B4339	L6662	6662	B4410
	Weight	7 1/2 lbs	7 1/2 lbs	7 1/2 lbs	7 1/2 lbs	11 7/8 lbs	11 7/8 lbs	8 3/4 lbs	8 3/4 lbs	8 3/4 lbs	8 3/4 lbs	11 1/4 lbs
Basket Grapple Control	Part No.	L4196	B3360	B3608	1250	M185	M185	17426	B4340	L6674	6674	B4411
	Weight	3 3/4 lbs	3 3/4 lbs	3 3/4 lbs	3 3/4 lbs	3 3/4 lbs	3 3/4 lbs	3 3/4 lbs	3 3/4 lbs	3 3/4 lbs	3 3/4 lbs	4 1/2 lbs
Mill Control Packer	Part No.	L4185R	L6515R	L6615R	1253R	L168R	L168R	17423R	L6665R	L6665R	6665R	B3219R
	Weight	5 lbs	5 lbs	5 lbs	5 lbs	5 lbs	5 lbs	5 lbs	5 lbs	5 lbs	5 lbs	6 lbs



How to Order

- Specify:
- (1) Name and number of assembly or part
 - (2) Size and type of fish to be caught
 - (3) Top connection
 - (4) OD, if other than standard



Recommended Spare Parts:

- Spiral:
- (1) 3 Packers
 - (2) 2 Grapples for each size
 - (3) 1 Control
- Basket:
- (1) 2 Grapples
 - (2) Mill Control Packers for each size
- Mill Control Packer:
- (1) 3 Inner and 3 Outer Seals



Abbreviations:

- FS (Full Strength) Engineered to withstand all pulling, torsional, and jarring strain.
 XFS (Extra Full Strength) Engineered for extreme abuse.
 SFS (Semi Full Strength) Engineered for special hole conditions commensurate with maximum strength.
 SH (Slim Hole) Engineered to withstand heavy pulling strain only.
 XSH (Extra Slim Hole) Engineered for pickup jobs only.

Bowen™ Series 150 Overshots Supplement

Specifications and Replacement Parts

Specifications

Maximum Catch Size (Spiral)		3 ¼ in.	3 ½ in.	3 ¾ in.	3 13/16 in.	3 7/8 in.	3 15/16 in.	3 7/8 in.	3 7/8 in.	3 7/8 in.	3 7/8 in.	4 in.
Maximum Catch Size (Basket)		3 ¼ in.	3 ½ in.	3 ¾ in.	3 7/8 in.	3 7/8 in.	3 7/8 in.	3 7/8 in.	3 7/8 in.	3 7/8 in.	3 7/8 in.	3 7/8 in.
Overshot O.D.		4 1/16 in.	5 in.	5 1/8 in.	4 7/16 in.	4 1/4 in.	5 1/8 in.	4 3/8 in.	4 3/8 in.	5 3/16 in.	5 1/4 in.	4 7/8 in.
Standard Box Connection		Per Customer Order										
Type		SFS	FS	XFS	SH	SH	FS	SH	SH	FS	FS	SH
Complete Assembly (Dressed with Spiral Parts)	Part No.	N9120	9725	C4686	C9773	C9296	C7497	C6230	C5139	C5136	9515	5168
	Weight	83 lbs	107 lbs	113 lbs	80 lbs	86 lbs	115 lbs	82 lbs	90 lbs	118 lbs	120 lbs	95 lbs

Replacement Parts

Top Sub	Part No.	L9110	9726	A4687	A9774	A9297	A7498	A6231	A5140	A5137	9516	5155
	Weight	40 lbs	49 lbs	53 lbs	38 lbs	44 lbs	54 lbs	24 lbs	46 lbs	56 lbs	57 lbs	48 lbs
Bowl	Part No.	M9121	9727	B4688	B9775	B9298	B7499	B6232	B5141	B5138	9517	5156
	Weight	21 lbs	28 lbs	29 lbs	16 lbs	21 lbs	29 lbs	20 lbs	22 lbs	30 lbs	31 lbs	24 lbs
Packer	Part No.	M9122	811	A811	L6163	B9299	B2196	60947	A1707	B972	856	5157
	Weight	½ lb	½ lb	½ lb	½ lb	½ lb	½ lb	½ lb	½ lb	½ lb	½ lb	½ lb
Spiral Grapple	Part No.	L9123	814	B814	B9777	B9301	B2192	B6234	B1709	M859	859	5159
	Weight	2 lbs	2 ¼ lbs	2 ¼ lbs	1 ¾ lbs	1 ¾ lbs	2 ¼ lbs	1 ¾ lbs	1 ¾ lbs	2 ¼ lbs	2 ¼ lbs	2 lbs
Spiral Grapple Control	Part No.	L9124	815	A815	A9778	A9302	B2193	A6235	A1710	L875	875	5160
	Weight	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 ¼ lbs	1 ¼ lbs	1 ½ lbs	1 ¼ lbs	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 ½ lbs
Standard Guide	Part No.	L9125	816	A816	A9779	A9309	A7501	A6236	A1711	L876	876	5169
	Weight	18 lbs	26 lbs	27 lbs	15 lbs	17 lbs	27 lbs	6 lbs	18 lbs	28 lbs	28 lbs	19 lbs

Basket Parts

Basket Grapple	Part No.	L9123	814	B814	B9777	B9301	B2192	B6234	B1709	M859	859	5159
	Weight	8 ¾ lbs	11 ¼ lbs	11 ¼ lbs	8 ¾ lbs	8 ¾ lbs	11 ¼ lbs	8 ¾ lbs	8 ¾ lbs	11 ¼ lbs	11 ¼ lbs	10 lbs
Basket Grapple Control	Part No.	L9124	815	A815	A9778	A9302	B2193	A6235	A1710	L875	875	5160
	Weight	3 ¾ lbs	4 ½ lbs	4 ½ lbs	3 ¾ lbs	3 ¾ lbs	4 ½ lbs	3 ¾ lbs	4 ½ lbs	4 ½ lbs	4 ½ lbs	4 ½ lbs
Mill Control Packer	Part No.	L9122R	811R	A811R	L6163R	B9299R	B2196R	A1707R	A1707R	B972R	856R	5157R
	Weight	5 lbs	6 lbs	6 lbs	5 lbs	5 lbs	6 lbs	5 lbs	6 lbs	6 lbs	6 lbs	6 lbs



How to Order

- Specify:
- (1) Name and number of assembly or part
 - (2) Size and type of fish to be caught
 - (3) Top connection
 - (4) OD, if other than standard



Recommended Spare Parts:

- Spiral:
- (1) 3 Packers
 - (2) 2 Grapples for each size
 - (3) 1 Control
- Basket:
- (1) 2 Grapples
 - (2) Mill Control Packers for each size
- Mill Control Packer:
- (1) 3 Inner and 3 Outer Seals



Abbreviations:

- FS (Full Strength) Engineered to withstand all pulling, torsional, and jarring strain.
- XFS (Extra Full Strength) Engineered for extreme abuse.
- SFS (Semi Full Strength) Engineered for special hole conditions commensurate with maximum strength.
- SH (Slim Hole) Engineered to withstand heavy pulling strain only.
- XSH (Extra Slim Hole) Engineered for pickup jobs only.

Bowen™ Series 150 Overshots Supplement

Specifications and Replacement Parts

Specifications

Maximum Catch Size (Spiral)		4 in.	4 ½ in.	4 ¾ in.	4 ¾ in.	4 ¾ in.	4 ¾ in.	4 ½ in.	4 ½ in.	4 ½ in.	4 ¾ in.	4 ¾ in.
Maximum Catch Size (Basket)		3 ¾ in.	3 ¾ in.	3 ½ in.	3 ¾ in.	3 ¾ in.	3 11/16 in.	3 ¾ in.	3 ¾ in.	3 ¾ in.	4 ¼ in.	4 in.
Overshot O.D.		5 5/16 in.	5 in.	5 7/16 in.	5 ½ in.	5 ½ in.	5 5/16 in.	5 ¾ in.	5 ¾ in.	5 13/16 in.	5 ¾ in.	5 15/16 in.
Standard Box Connection		Per Customer Order										
Type		FS	SH	FS	SH	SH	FS	SH	FS	FS	FS	FS
Complete Assembly (Dressed with Spiral Parts)	Part No.	C5142	C5428	C5425	C5162	4716	C4819	C5165	C3796	C4814	M5698	5737
	Weight	124 lbs	101 lbs	130 lbs	105 lbs	118 lbs	131 lbs	113 lbs	130 lbs	142 lbs	130 lbs	150 lbs

Replacement Parts

Top Sub	Part No.	A5143	A5429	A5426	A5163	4718	A4820	A5166	A3797	A4815	L5699	5738
	Weight	59 lbs	51 lbs	62 lbs	53 lbs	55 lbs	62 lbs	56 lbs	65 lbs	68 lbs	65 lbs	70 lbs
Bowl	Part No.	B5144	B5430	B5427	B5164	4717	B4821	B5167	B3798	B4816	M5700	5735
	Weight	32 lbs	26 lbs	34 lbs	26 lbs	30 lbs	34 lbs	28 lbs	33 lbs	36 lbs	33 lbs	38 lbs
Packer	Part No.	B1508	B4895	L1867	B4672	4672	L169	B2487	B2436	B21991	L1140	195
	Weight	½ lb	½ lb	¾ lb	½ lb	½ lb	¾ lb	¾ lb	¾ lb	¾ lb	¾ lb	¾ lb
Spiral Grapple	Part No.	B1505	B4897	B1997	B4674	4674	M165	B2489	B2489	B1987	M1135	196
	Weight	2 ¼ lbs	2 lbs	2 ¼ lbs	2 ¼ lbs	2 ¼ lbs	2 ½ lbs	2 ¼ lbs	2 ¼ lbs	2 ½ lbs	2 ¼ lbs	2 ¾ lbs
Spiral Grapple Control	Part No.	A1506	B4898	A1998	B4675	4675	L186	B2490	B2439	B1988	M1137	193
	Weight	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 ¾ lbs	1 ¾ lbs	2 lbs	2 lbs	2 lbs	2 lbs	1 ½ lbs	2 lbs
Standard Guide	Part No.	A1507	B4899	B1999	A4676	4719	L187	B2491	B3226	B1989	L1143	192
	Weight	29	20	20	21	25	30	24	36	33	27	36

Basket Parts

Basket Grapple	Part No.	B1505	B4897	B1997	B4674	4674	M165	B2489	B2489	B1987	M1135	196
	Weight	11 ¼ lbs	10	11 ¼ lbs	11 ¼ lbs	11 ¼ lbs	12 ½ lbs	11 ¼ lbs	11 ¼ lbs	12 ½ lbs	11 ¼ lbs	14 ¾ lbs
Basket Grapple Control	Part No.	A1506	B4898	A1998	B4675	4675	L186	B2490	B2439	B1988	M1137	193
	Weight	4 ½ lbs	4 ½ lbs	4 ½ lbs	5 ¼ lbs	5 ¼ lbs	6 lbs	6 lbs	6 lbs	6 lbs	4 ½ lbs	6 lbs
Mill Control Packer	Part No.	A1508R	B4895R	L1867R	B4672R	4672R	L169R	B2487R	B2436R	B2199-1R	L1140R	195R
	Weight	6 lbs	6 lbs	6 lbs	7 lbs	7 lbs	8 lbs	8 lbs	8 lbs	8 lbs	6 lbs	8 lbs



How to Order

- Specify:
- (1) Name and number of assembly or part
 - (2) Size and type of fish to be caught
 - (3) Top connection
 - (4) OD, if other than standard



Recommended Spare Parts:

- Spiral:
- (1) 3 Packers
 - (2) 2 Grapples for each size
 - (3) 1 Control
- Basket:
- (1) 2 Grapples
 - (2) Mill Control Packers for each size
- Mill Control Packer:
- (1) 3 Inner and 3 Outer Seals



Abbreviations:

- FS (Full Strength) Engineered to withstand all pulling, torsional, and jarring strain.
 XFS (Extra Full Strength) Engineered for extreme abuse.
 SFS (Semi Full Strength) Engineered for special hole conditions commensurate with maximum strength.
 SH (Slim Hole) Engineered to withstand heavy pulling strain only.
 XSH (Extra Slim Hole) Engineered for pickup jobs only.

Bowen™ Series 150 Overshots Supplement

Specifications and Replacement Parts

Specifications

Maximum Catch Size (Spiral)		4 3/8 in.	4 1/2 in.	4 3/4 in.	4 7/8 in.	4 7/8 in.	4 7/8 in.	4 7/8 in.	4 7/8 in.	4 7/8 in.	5 in.	5 1/2 in.
Maximum Catch Size (Basket)		4 in.	4 1/4 in.	4 1/2 in.	4 3/4 in.	4 1/2 in.	4 1/4 in.	4 1/4 in.	4 1/4 in.	4 1/4 in.	4 1/4 in.	4 3/4 in.
Overshot O.D.		5 15/16 in.	5 3/4 in.	6 1/16 in.	6 1/16 in.	5 3/4 in.	6 in.	6 1/8 in.	6 3/16 in.	6 3/16 in.	6 3/8 in.	6 3/8 in.
Standard Box Connection		Per Customer Order										
Type		FS	FS	FS	FS	SH	FS	FS	FS	FS	FS	SH
Complete Assembly (Dressed with Spiral Parts)	Part No.	C4844	N8975	8940	C4829	C7096	9026	912	C7093	3061	C4825	4770
	Weight	150 lbs	138 lbs	138 lbs	153 lbs	135 lbs	138 lbs	170 lbs	176 lbs	175 lbs	192 lbs	176 lbs

Replacement Parts

Top Sub	Part No.	B4845	L8976	8941	A4830	A7097	9027	908	A7094	3062	B4826	4771
	Weight	70 lbs	64 lbs	65 lbs	71 lbs	64 lbs	65 lbs	70 lbs	75 lbs	70 lbs	78 lbs	78 lbs
Bowl	Part No.	B4846	M8977	8942	B4831	B7098	9028	905	B7095	3075	B4827	9199
	Weight	38 lbs	33 lbs	39 lbs	39 lbs	33 lbs	38 lbs	40 lbs	44 lbs	40 lbs	53 lbs	52 lbs
Packer	Part No.	L195	L6114	2362	B2362	B6387	9020	1189	B2455	1189	L4505	9203
	Weight	3/4 lb	3/4 lb	3/4 lb	3/4 lb	3/4 lb	3/4 lb	3/4 lb	3/4 lb	3/4 lb	7/8 lb	3/4 lb
Spiral Grapple	Part No.	M196	M6112	2364	B2364	B6389	9022	1182	B2457	1182	M1071	9201
	Weight	2 7/8 lbs	2 3/4 lbs	2 3/4 lbs	2 7/8 lbs	2 1/2 lbs	2 1/2 lbs	2 1/2 lbs	3 lbs	2 1/2 lbs	3 lbs	3 lbs
Spiral Grapple Control	Part No.	M193	L6113	2365	B2365	A6390	9023	1187	B2458	1187	M1072	9202
	Weight	2 lbs	2 1/4 lbs	2 lbs	2 lbs	2 lbs	2 lbs	2 1/4 lbs	2 lbs	2 1/4 lbs	2 1/2 lbs	2 1/2 lbs
Standard Guide	Part No.	L192	6121	6355	B2366	A6391	9024	1186	A2459	3077	L1074	4772
	Weight	36 lbs	34 lbs	35 lbs	37 lbs	33 lbs	34 lbs	42 lbs	51 lbs	42 lbs	54 lbs	39 lbs

Basket Parts

Basket Grapple	Part No.	M196	M6112	2364	B2364	B6389	9022	1182	B2457	1182	M1071	9201
	Weight	14 3/8 lbs	13 1/2 lbs	14 lbs	14 3/8 lbs	12 1/2 lbs	12 1/2 lbs	14 lbs	15 lbs	14 lbs	15 lbs	15 lbs
Basket Grapple Control	Part No.	M193	L6113	2365	B2365	A6390	9023	1187	B2458	1187	M1072	9202
	Weight	6 lbs	6 1/2 lbs	6 lbs	6 lbs	6 lbs	6 lbs	7 lbs	6 lbs	7 lbs	7 1/2 lbs	7 1/2 lbs
Mill Control Packer	Part No.	L195R	L6114R	2362R	B2362R	B6387R	9020R	1189R	B2455R	1189R	M4505RS	9203R
	Weight	8 lbs	8 lbs	8 lbs	8 lbs	8 lbs	8 lbs	9 lbs	8 lbs	9 lbs	10 lbs	10 lbs



How to Order

- Specify:
- (1) Name and number of assembly or part
 - (2) Size and type of fish to be caught
 - (3) Top connection
 - (4) OD, if other than standard



Recommended Spare Parts:

- Spiral:
- (1) 3 Packers
 - (2) 2 Grapples for each size
 - (3) 1 Control
- Basket:
- (1) 2 Grapples
 - (2) Mill Control Packers for each size
- Mill Control Packer:
- (1) 3 Inner and 3 Outer Seals



Abbreviations:

- FS (Full Strength) Engineered to withstand all pulling, torsional, and jarring strain.
 XFS (Extra Full Strength) Engineered for extreme abuse.
 SFS (Semi Full Strength) Engineered for special hole conditions commensurate with maximum strength.
 SH (Slim Hole) Engineered to withstand heavy pulling strain only.
 XSH (Extra Slim Hole) Engineered for pickup jobs only.

Bowen™ Series 150 Overshots Supplement

Specifications and Replacement Parts

Specifications

Maximum Catch Size (Spiral)		5 ¼ in.	5 ¼ in.	5 ½ in.	5 ½ in.	5 ½ in.	5 ¾ in.	5 ¾ in.	5 ¾ in.	5 ¾ in.	5 ¾ in.	5 ¾ in.
Maximum Catch Size (Basket)		4 ¾ in.	4 ½ in.	4 ¾ in.	4 ¾ in.	4 ¾ in.	4 13/16 in.	4 13/16 in.	4 13/16 in.	5 in.	5 ½ in.	5 in.
Overshot O.D.		6 ¾ in.	6 ¾ in.	6 ¾ in.	6 ¾ in.	7 ½ in.	6 11/16 in.	6 13/16 in.	7 ¼ in.	6 ¾ in.	6 ¾ in.	6 ¾ in.
Standard Box Connection		Per Customer Order										
Type		SH	FS	SH	SH	FS	SH	FS	FS	XSH	SH	SH
Complete Assembly (Dressed with Spiral Parts)	Part No.	N6655	C5174	4776	C5178	C5176	C5185	8943	C3810	9038	8978	C5193
	Weight	176 lbs	211 lbs	185 lbs	185 lbs	225 lbs	189 lbs	190 lbs	228 lbs	194 lbs	203 lbs	203 lbs

Replacement Parts

Top Sub	Part No.	L6656	A5175	4777	B4826	A5177	A5186	8944	A3811	9039	8979	A5194
	Weight	78 lbs	85 lbs	78 lbs	78 lbs	89 lbs	79 lbs	80 lbs	92 lbs	81 lbs	82 lbs	82 lbs
Bowl	Part No.	M4503	B4519	9211	B5179	B2791	B5187	8945	B3812	9040	8980	B5195
	Weight	52 lbs	60 lbs	54 lbs	54 lbs	64 lbs	55 lbs	60 lbs	65 lbs	56 lbs	58 lbs	58 lbs
Packer	Part No.	L4505	B4520	9215	B5180	A756	B5188	8947	L113	L9033	6697	B3479
	Weight	¾ lb	1 lb	¾ lb	¾ lb	1 lb	¾ lb	¾ lb	1 ¼ lb	1 lb	1 lb	1 lb
Spiral Grapple	Part No.	M4498	B4472	9213	B5182	B759	B5190	103	M103	M9035	6699	B3481
	Weight	3 lbs	4 lbs	4 lbs	4 lbs	5 lbs	4 lbs	5 lbs	5 lbs	4 ½ lbs	5 lbs	5 lbs
Spiral Grapple Control	Part No.	L4499	A4473	9214	A5183	B760	B5191	129	M129	M9036	6700	A3482
	Weight	2 ½ lbs	3 lbs	2 ½ lbs	2 ½ lbs	3 lbs	2 ½ lbs	2 ½ lbs	3 lbs	2 ½ lbs	3 lbs	3 lbs
Standard Guide	Part No.	L4504	A4474	4778	A5184	A761	A5192	8946	A3813	9037	6701	A3483
	Weight	39 lbs	58 lbs	45 lbs	45 lbs	63 lbs	47 lbs	48 lbs	61 lbs	48 lbs	54 lbs	54 lbs

Basket Parts

Basket Grapple	Part No.	M4498	B4472	9213	B5182	B759	B5190	103	M103	9035	6699	B3481
	Weight	15 lbs	20 lbs	20 lbs	20 lbs	25 lbs	20 lbs	21 lbs	25 lbs	21 lbs	25 lbs	25 lbs
Basket Grapple Control	Part No.	L4499	A4473	9214	B5183	B760	B5191	129	M129	9036	6700	A3482
	Weight	7 ½ lbs	9 lbs	7 ½ lbs	7 ½ lbs	9 lbs	7 ½ lbs	7 ½ lbs	9 lbs	8 lbs	9 lbs	9 lbs
Mill Control Packer	Part No.	L4505R	B4520R	9215R	B5180R	A756R	B5188R	8947R	L113R	9033R	6697R	B3479R
	Weight	10 lbs	12 lbs	10 lbs	10 lbs	12 lbs	10 lbs	10 lbs	12 lbs	11 lbs	12 lbs	12 lbs



How to Order

- Specify:
- (1) Name and number of assembly or part
 - (2) Size and type of fish to be caught
 - (3) Top connection
 - (4) OD, if other than standard



Recommended Spare Parts:

- Spiral:
- (1) 3 Packers
 - (2) 2 Grapples for each size
 - (3) 1 Control
- Basket:
- (1) 2 Grapples
 - (2) Mill Control Packers for each size
- Mill Control Packer:
- (1) 3 Inner and 3 Outer Seals



Abbreviations:

- FS (Full Strength) Engineered to withstand all pulling, torsional, and jarring strain.
- XFS (Extra Full Strength) Engineered for extreme abuse.
- SFS (Semi Full Strength) Engineered for special hole conditions commensurate with maximum strength.
- SH (Slim Hole) Engineered to withstand heavy pulling strain only.
- XSH (Extra Slim Hole) Engineered for pickup jobs only.

Bowen™ Series 150 Overshots Supplement

Specifications and Replacement Parts

Specifications

Maximum Catch Size (Spiral)		5 ½ in.	5 ½ in.	5 ½ in.	6 in.	6 in.	6 in.	6 in.	6 in.	6 ½ in.	6 ½ in.	6 ½ in.
Maximum Catch Size (Basket)		5 in.	5 in.	5 in.	5 ½ in.	5 ¼ in.	5 ¼ in.	5 ¼ in.	5 ¼ in.	5 ½ in.	5 ¾ in.	5 ¾ in.
Overshot O.D.		7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ½ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ¼ in.	7 ¾ in.	7 ¾ in.
Standard Box Connection		Per Customer Order										
Type		FS	FS	FS	SH	FS	FS	F.S.	F.S.	S.H.	F.S.	S.H.
Complete Assembly (Dressed with Spiral Parts)	Part No.	6150	D6150	C4689	C5196	9996	247	C3364	7572	C5206	C5204	12567
	Weight	239 lbs	239 lbs	239 lbs	209 lbs	215 lbs	245 lbs	245 lbs	245 lbs	213 lbs	257 lbs	216 lbs

Replacement Parts

Top Sub	Part No.	6151	L6151	A4690	A5197	9997	248	A3365	7573	A5207	A5205	7573
	Weight	98 lbs	98 lbs	98 lbs	84 lbs	90 lbs	95 lbs	95 lbs	95 lbs	86 lbs	103 lbs	87 lbs
Bowl	Part No.	6152	M6152	B3522	B5198	9998	249	B3366	7574	B5208	B4218	12568
	Weight	69 lbs	69 lbs	69 lbs	60 lbs	69 lbs	73 lbs	73 lbs	73 lbs	61 lbs	75 lbs	62 lbs
Packer	Part No.	110	L110	L110	B5199	223	223	L223	223	B5209	L1642	9689
	Weight	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 lbs	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 lbs	1 ½ lbs	1 ½ lbs
Spiral Grapple	Part No.	104	M104	M104	B5201	220	220	M220	220	B5211	B2063	9687
	Weight	5 ½ lbs	5 ½ lbs	5 ½ lbs	5 lbs	5 ½ lbs	5 ½ lbs	5 ½ lbs	5 ½ lbs	5 lbs	5 ½ lbs	5 lbs
Spiral Grapple Control	Part No.	130	L130	L130	A5202	219	219	L219	219	A5212	B2064	9688
	Weight	3 ½ lbs	3 ½ lbs	3 ½ lbs	3 lbs	3 ½ lbs	3 ½ lbs	3 ¼ lbs	3 ¼ lbs	3 lbs	3 ½ lbs	3 lbs
Standard Guide	Part No.	120	L120	L120	A5203	218	218	L218	218	A5213	A2065	9691
	Weight	61 lbs	61 lbs	61 lbs	56 lbs	61 lbs	67 lbs	67 lbs	67 lbs	57 lbs	68 lbs	58 lbs

Basket Parts

Basket Grapple	Part No.	104	M104	M104	B5201	220	220	M220	220	B5211	B2063	9687
	Weight	27 ½ lbs	27 ½ lbs	27 ½ lbs	25 lbs	27 ½ lbs	27 ½ lbs	27 ½ lbs	27 ½ lbs	25 lbs	27 ½ lbs	25 lbs
Basket Grapple Control	Part No.	130	L130	L130	A5202	219	219	L219	219	A5212	B2064	9688
	Weight	10 ½ lbs	10 ½ lbs	10 ½ lbs	9 lbs	10 ½ lbs	9 ¾ lbs	9 ¾ lbs	9 ¾ lbs	9 lbs	10 ½ lbs	9 lbs
Mill Control Packer	Part No.	110R	L110R	L110R	B5199R	223R	223R	L223R	223R	B5209R	L1642R	9689R
	Weight	14 lbs	14 lbs	14 lbs	12 lbs	14 lbs	13 lbs	13 lbs	13 lbs	12 lbs	13 lbs	12 lbs



How to Order

- Specify:
- (1) Name and number of assembly or part
 - (2) Size and type of fish to be caught
 - (3) Top connection
 - (4) OD, if other than standard



Recommended Spare Parts:

- Spiral:
- (1) 3 Packers
 - (2) 2 Grapples for each size
 - (3) 1 Control
- Basket:
- (1) 2 Grapples
 - (2) Mill Control Packers for each size
- Mill Control Packer:
- (1) 3 Inner and 3 Outer Seals



Abbreviations:

- FS (Full Strength) Engineered to withstand all pulling, torsional, and jarring strain.
 XFS (Extra Full Strength) Engineered for extreme abuse.
 SFS (Semi Full Strength) Engineered for special hole conditions commensurate with maximum strength.
 SH (Slim Hole) Engineered to withstand heavy pulling strain only.
 XSH (Extra Slim Hole) Engineered for pickup jobs only.

Bowen™ Series 150 Overshots Supplement

Specifications and Replacement Parts

Specifications

Maximum Catch Size (Spiral)		6 ¼ in.	6 ¼ in.	6 ¼ in.	6 ¼ in.	6 ¼ in.	6 ¼ in.	6 ¼ in.	6 ¼ in.	6 ¼ in.	6 ¼ in.	6 ¼ in.
Maximum Catch Size (Basket)		5 ½ in.	5 ½ in.	5 ½ in.	5 ¾ in.	5 ¾ in.	5 ¾ in.	5 ¾ in.	5 ¾ in.	5 ¾ in.	5 ½ in.	5 ¾ in.
Overshot O.D.		7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.
Standard Box Connection		Per Customer Order										
Type		SH	SH	SH	SFS	SFS	SFS	FS	FS	FS	FS	FS
Complete Assembly (Dressed with Spiral Parts)	Part No.	12565	C4691	N9692	1873	19090	N8741	7791	9678	9983	C8841	D7791
	Weight	216 lbs	216 lbs	216 lbs	241 lbs	241 lbs	241 lbs	261 lbs	261 lbs	261 lbs	261 lbs	261 lbs

Replacement Parts

Top Sub	Part No.	118	A4692	L9693	118	19091	L8742	7793	7922	118	A8842	L7793
	Weight	87 lbs	87 lbs	87 lbs	99 lbs	99 lbs	99 lbs	105 lbs	105 lbs	105 lbs	105 lbs	105 lbs
Bowl	Part No.	12566	B4693	M9694	1875	19092	M1641	1657	9749	9984	C2205	M1657
	Weight	62 lbs	62 lbs	62 lbs	69 lbs	69 lbs	69 lbs	76 lbs	76 lbs	76 lbs	76 lbs	76 lbs
Packer	Part No.	9689	L1642	L9689	1642	1642	L1642	1680	1680	1680	L1680	L1680
	Weight	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 ½ lbs
Spiral Grapple	Part No.	9687	B4694	M9687	1644	1644	M1644	1659	1659	1659	B2073	M1659
	Weight	5 lbs	5 lbs	5 lbs	5 ¼ lbs	5 ¼ lbs	5 ¼ lbs	5 ¾ lbs	5 ¾ lbs	5 ¾ lbs	5 ¾ lbs	5 ¾ lbs
Spiral Grapple Control	Part No.	9688	B4695	L9688	1645	1645	L1645	1660	1660	1660	A2074	L1660
	Weight	3 lbs	3 lbs	3 lbs	3 ¼ lbs	3 ¼ lbs	3 ¼ lbs	3 ½ lbs	3 ½ lbs	3 ½ lbs	3 ½ lbs	3 ½ lbs
Standard Guide	Part No.	9691	A4696	L9691	5525	5525	L5525	1493	1493	1493	A2075	L1493
	Weight	58 lbs	58 lbs	58 lbs	63 lbs	63 lbs	63 lbs	69 lbs	69 lbs	69 lbs	69 lbs	69 lbs

Basket Parts

Basket Grapple	Part No.	9687	B4694	M9687	1644	1644	M1644	1659	1659	1659	B2073	M1659
	Weight	25 lbs	25 lbs	25 lbs	27 lbs	27 lbs	27 lbs	28 ¾ lbs	28 ¾ lbs	28 ¾ lbs	28 ¾ lbs	28 ¾ lbs
Basket Grapple Control	Part No.	9688	B4695	L9688	1645	1645	L1645	1660	1660	1660	A2074	L1660
	Weight	9 lbs	9 lbs	9 lbs	10 lbs	10 lbs	10 lbs	10 ½ lbs	10 ½ lbs	10 ½ lbs	10 ½ lbs	10 ½ lbs
Mill Control Packer	Part No.	9689R	L1642R	L9689R	1642R	1642	L1642R	1680R	1680	1680	L1680R	1680R
	Weight	12 lbs	13 lbs	12 lbs	13 lbs	13 lbs	13 lbs	14 lbs	14 lbs	14 lbs	14 lbs	14 lbs



How to Order

- Specify:
- (1) Name and number of assembly or part
 - (2) Size and type of fish to be caught
 - (3) Top connection
 - (4) OD, if other than standard



Recommended Spare Parts:

- Spiral:
- (1) 3 Packers
 - (2) 2 Grapples for each size
 - (3) 1 Control
- Basket:
- (1) 2 Grapples
 - (2) Mill Control Packers for each size
- Mill Control Packer:
- (1) 3 Inner and 3 Outer Seals



Abbreviations:

- FS (Full Strength) Engineered to withstand all pulling, torsional, and jarring strain.
 XFS (Extra Full Strength) Engineered for extreme abuse.
 SFS (Semi Full Strength) Engineered for special hole conditions commensurate with maximum strength.
 SH (Slim Hole) Engineered to withstand heavy pulling strain only.
 XSH (Extra Slim Hole) Engineered for pickup jobs only.

Bowen™ Series 150 Overshots Supplement

Specifications and Replacement Parts

Specifications

Maximum Catch Size (Spiral)		6 ½ in.	6 ½ in.	6 ½ in.	6 ½ in.	6 ½ in.	6 ½ in.	6 ½ in.	6 ½ in.	6 ½ in.	6 ½ in.	6 ½ in.
Maximum Catch Size (Basket)		5 ¾ in.	5 ¾ in.	5 ¾ in.	5 ¾ in.	5 ¾ in.	5 ¾ in.	5 ¾ in.	5 ¾ in.	6 in.	6 in.	5 ¾ in.
Overshot O.D.		7 ½ in.	7 ½ in.	7 ½ in.	7 ¾ in.	7 ¾ in.	8 ½ in.	8 ¼ in.	8 ¼ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.
Standard Box Connection		Per Customer Order										
Type		SH	SH	SH	SFS	SH	FS	FS	FS	SH	SH	SH
Complete Assembly (Dressed with Spiral Parts)	Part No.	9009	M9009	9746	9163	C5344	9677	2380	7796	N4785	B11322	C5214
	Weight	211 lbs	211 lbs	211 lbs	232 lbs	221 lbs	250 lbs	280 lbs	280 lbs	235 lbs	235 lbs	236 lbs

Replacement Parts

Top Sub	Part No.	9010	L9010	7922	9165	A5345	7922	2381	7798	L9133	A3365	A5215
	Weight	84 lbs	84 lbs	84 lbs	93 lbs	89 lbs	100 lbs	120 lbs	120 lbs	100 lbs	100 lbs	101 lbs
Bowl	Part No.	9011	M9011	9747	9164	B5346	9748	2382	7797	M9134	B11323	B5216
	Weight	63 lbs	63 lbs	63 lbs	68 lbs	64 lbs	70 lbs	80 lbs	80 lbs	67 lbs	67 lbs	67 lbs
Packer	Part No.	9005	L9005	9005	5508	B5347	9865	2372	2372	L9136	L9136	B5217
	Weight	1 ¼ lbs	1 ¼ lbs	1 ¼ lbs	1 ¼ lbs	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 ½ lbs
Spiral Grapple	Part No.	9003	M9003	9003	5503	B5349	9863	5652	5652	M9137	M9137	B5219
	Weight	5 ¾ lbs	5 lbs	5 lbs	5 lbs	5 lbs	5 ½ lbs	5 ¾ lbs	5 ¾ lbs	5 ½ lbs	5 ½ lbs	5 ½ lbs
Spiral Grapple Control	Part No.	9004	L9004	9004	5504	B5350	9864	5653	5653	L9138	L9138	A5220
	Weight	3 lbs	3 lbs	3 lbs	3 lbs	3 lbs	3 ½ lbs	3 ½ lbs	3 ½ lbs	3 lbs	3 lbs	3 lbs
Standard Guide	Part No.	9007	L9007	9007	5506	A5351	9867	5655	5655	L9139	L9139	A5221
	Weight	58 lbs	58 lbs	58 lbs	62 lbs	59 lbs	60 lbs	80 lbs	80 lbs	60 lbs	60 lbs	60 lbs

Basket Parts

Basket Grapple	Part No.	9003	M9003	9003	5503	B5349	9863	5652	5652	M9137	M9137	B5219
	Weight	25 lbs	25 lbs	25 lbs	25 lbs	25 lbs	25 lbs	30 lbs	30 lbs	26 lbs	26 lbs	27 ½ lbs
Basket Grapple Control	Part No.	9004	L9004	9004	5504	B5350	9864	5653	5653	L9138	L9138	A5220
	Weight	9 lbs	9 lbs	9 lbs	9 lbs	9 lbs	9 ½ lbs	12 lbs	12 lbs	8 ½ lbs	8 ½ lbs	9 lbs
Mill Control Packer	Part No.	9005R	L9005R	9005R	5508R	B5347R	9865R	2372R	2372R	L9136R	L9136R	B5217R
	Weight	12 lbs	12 lbs	12 lbs	12 lbs	12 lbs	11 lbs	14 lbs	14 lbs	11 ½ lbs	11 ½ lbs	12 lbs



How to Order

- Specify:
- (1) Name and number of assembly or part
 - (2) Size and type of fish to be caught
 - (3) Top connection
 - (4) OD, if other than standard



Recommended Spare Parts:

- Spiral:
- (1) 3 Packers
 - (2) 2 Grapples for each size
 - (3) 1 Control
- Basket:
- (1) 2 Grapples
 - (2) Mill Control Packers for each size
- Mill Control Packer:
- (1) 3 Inner and 3 Outer Seals



Abbreviations:

- FS (Full Strength) Engineered to withstand all pulling, torsional, and jarring strain.
 XFS (Extra Full Strength) Engineered for extreme abuse.
 SFS (Semi Full Strength) Engineered for special hole conditions commensurate with maximum strength.
 SH (Slim Hole) Engineered to withstand heavy pulling strain only.
 XSH (Extra Slim Hole) Engineered for pickup jobs only.

Bowen™ Series 150 Overshots Supplement

Specifications and Replacement Parts

Specifications

Maximum Catch Size (Spiral)		6 ½ in.	6 ½ in.	6 ¾ in.	6 ¾ in.	6 ¾ in.	6 ¾ in.	6 ¾ in.	7 in.	7 in.	7 in.	7 in.
Maximum Catch Size (Basket)		5 ½ in.	5 ½ in.	6 ½ in.	6 in.	6 in.	6 ¼ in.	6 ¼ in.	6 ¾ in.	6 ¼ in.	6 ¾ in.	6 ¼ in.
Overshot O.D.		8 ½ in.	8 ½ in.	7 ¾ in.	8 ¾ in.	8 ¾ in.	8 in.	8 in.	8 ½ in.	8 ½ in.	8 ¾ in.	8 ¾ in.
Standard Box Connection		Per Customer Order										
Type		SFS	SFS	SH	FS	FS	SH	SH	SH	SH	SH	FS
Complete Assembly (Dressed with Spiral Parts)	Part No.	9339	M9339	16500	275	C3833	8995	N8995	9815	C3263	17028	6140
	Weight	270 lbs	270 lbs	243 lbs	284 lbs	284 lbs	245 lbs	245 lbs	251 lbs	253 lbs	260 lbs	297 lbs

Replacement Parts

Top Sub	Part No.	9338	L9338	16501	276	A-3834	8996	L-8996	9816	A-3033	276	6141
	Weight	115 lbs	115 lbs	102 lbs	120 lbs	120 lbs	103 lbs	103 lbs	107 lbs	107 lbs	115 lbs	130 lbs
Bowl	Part No.	9337	M9337	16502	277	B3816	8997	M8997	9817	B3264	17209	6142
	Weight	75 lbs	75 lbs	69 lbs	79 lbs	79 lbs	68 lbs	68 lbs	69 lbs	70 lbs	79 lbs	80 lbs
Packer	Part No.	1634	L1634	B5225	207	L207	8985	L8985	9224	L6310	9224	111
	Weight	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 ½ lbs	1 ¼ lbs	1 ¼ lbs	1 ¼ lbs	1 ¼ lbs	1 ¼ lbs	1 ¾ lbs
Spiral Grapple	Part No.	84	M84	B5227	209	M209	8987	M8987	9222	B3267	9222	105
	Weight	6 lbs	6 lbs	5 ¾ lbs	6 ½ lbs	6 ½ lbs	5 ¾ lbs	5 ¾ lbs	5 ¾ lbs	5 ¾ lbs	5 ¾ lbs	6 lbs
Spiral Grapple Control	Part No.	89	L89	B5228	208	L208	8988	M8988	9223	B3268	9223	131
	Weight	3 lbs	3 lbs	3 lbs	4 lbs	4 lbs	3 ½ lbs	3 ½ lbs	1 ¼ lbs	3 ½ lbs	3 ½ lbs	4 lbs
Standard Guide	Part No.	4174	L4174	16503	205	L205	8989	L8989	9226	A3269	9226	121
	Weight	69 lbs	69 lbs	62 lbs	73 lbs	73 lbs	62 lbs	62 lbs	62 lbs	62 lbs	63 lbs	75 lbs

Basket Parts

Basket Grapple	Part No.	84	M84	B5227	209	M209	8987	M8987	9222	B3267	9222	105
	Weight	30 lbs	30 lbs	28 ¾ lbs	30 ¾ lbs	30 ¾ lbs	28 ¾ lbs	28 ¾ lbs	28 lbs	28 ¾ lbs	28 lbs	30 lbs
Basket Grapple Control	Part No.	89	L89	B5228	208	L208	8988	M8988	9223	B3268	9223	131
	Weight	9 lbs	9 lbs	9 lbs	12 lbs	12 lbs	10 ½ lbs	10 ½ lbs	10 lbs	10 ½ lbs	10 lbs	12 lbs
Mill Control Packer	Part No.	1634R	L1634R	B5225R	207R	L207R	8985R	L8985R	9224R	L6310R	9224R	111R
	Weight	12 lbs	12 lbs	12 lbs	16 lbs	16 lbs	14 lbs	14 lbs	13 ½ lbs	14 lbs	13 ½ lbs	16 lbs



How to Order

- Specify:
- (1) Name and number of assembly or part
 - (2) Size and type of fish to be caught
 - (3) Top connection
 - (4) OD, if other than standard



Recommended Spare Parts:

- Spiral:
- (1) 3 Packers
 - (2) 2 Grapples for each size
 - (3) 1 Control
- Basket:
- (1) 2 Grapples
 - (2) Mill Control Packers for each size
- Mill Control Packer:
- (1) 3 Inner and 3 Outer Seals



Abbreviations:

- FS (Full Strength) Engineered to withstand all pulling, torsional, and jarring strain.
 XFS (Extra Full Strength) Engineered for extreme abuse.
 SFS (Semi Full Strength) Engineered for special hole conditions commensurate with maximum strength.
 SH (Slim Hole) Engineered to withstand heavy pulling strain only.
 XSH (Extra Slim Hole) Engineered for pickup jobs only.

Bowen™ Series 150 Overshots Supplement

Specifications and Replacement Parts

Specifications

Maximum Catch Size (Spiral)		7 in.	7 in.	7 ½ in.	7 ½ in.	7 ½ in.	7 ½ in.	7 ½ in.	7 ½ in.	7 ½ in.	7 ½ in.	7 ½ in.
Maximum Catch Size (Basket)		6 ¼ in.	6 ¼ in.	6 ½ in.	6 ¾ in.	6 ½ in.	6 ½ in.	6 ¾ in.	6 ¾ in.	6 ¾ in.	6 ¾ in.	6 ¾ in.
Overshot O.D.		8 ¾ in.	8 ¾ in.	8 ¾ in.	8 ¾ in.	8 ¾ in.	8 ½ in.	8 ½ in.	9 in.	8 ¾ in.	8 ¾ in.	9 ¼ in.
Standard Box Connection		Per Customer Order										
Type		FS	FS	SH	FS	FS	SH	SH	FS	SH	SH	SFS
Complete Assembly (Dressed with Spiral Parts)	Part No.	7800	C4817	9570	7805	C5352	4793	C5233	C5230	12692	C7101	9290
	Weight	297 lbs	297 lbs	260 lbs	301 lbs	301 lbs	262 lbs	265 lbs	306 lbs	260 lbs	263 lbs	275 lbs

Replacement Parts

Top Sub	Part No.	7802	B4818	9544	7807	A5353	4794	A5234	A5231	12693	A7102	9296
	Weight	130 lbs	130 lbs	111 lbs	132 lbs	132 lbs	117 lbs	118 lbs	135 lbs	118 lbs	121 lbs	124 lbs
Bowl	Part No.	7801	B3819	9571	7806	M10261	9233	B5235	B5232	12694	B7103	9291
	Weight	80 lbs	80 lbs	72 lbs	80 lbs	80 lbs	70 lbs	71 lbs	81 lbs	70 lbs	71 lbs	72 lbs
Packer	Part No.	111	L111	9231	1025	L1025	9237	B5236	B4154	12695	B7104	9298
	Weight	1 ¾ lbs	1 ¾ lbs	1 ¼ lbs	1 ½ lbs	1 ½ lbs	1 ¼ lbs	1 ¼ lbs	1 ½ lbs	1 ¼ lbs	1 ¼ lbs	1 ½ lbs
Spiral Grapple	Part No.	105	N105	9229	1027	M1027	9235	B5238	C4156	12697	B7106	9292
	Weight	6 lbs	6 lbs	5 ¾ lbs	6 ½ lbs	6 ½ lbs	5 ½ lbs	6 lbs	7 lbs	5 ½ lbs	6 lbs	6 lbs
Spiral Grapple Control	Part No.	131	M131	9230	1031	M1031	9236	B5239	B4157	12698	A7107	9293
	Weight	4 lbs	4 lbs	3 ½ lbs	4 lbs	4 lbs	3 ½ lbs	3 ½ lbs	4 lbs	3 ½ lbs	3 ½ lbs	3 ½ lbs
Standard Guide	Part No.	121	M121	4792	1029	M1029	4795	A5240	A4158	12699	A7108	9295
	Weight	75 lbs	75 lbs	64 lbs	77 lbs	77 lbs	64 lbs	65 lbs	77 lbs	64 lbs	66 lbs	67 lbs

Basket Parts

Basket Grapple	Part No.	105	N105	9229	1027	M1027	9235	B5238	C4156	12697	B7106	9292
	Weight	30 lbs	30 lbs	28 lbs	32 ½ lbs	32 ½ lbs	28 ½ lbs	30 lbs	35 lbs	30 lbs	30 lbs	30 lbs
Basket Grapple Control	Part No.	131	M131	9230	1031	M1031	9236	B5239	B4157	12698	A7107	9293
	Weight	12 lbs	12 lbs	10 lbs	12 lbs	12 lbs	10 lbs	10 ½ lbs	12 lbs	10 ½ lbs	10 ½ lbs	10 ½ lbs
Mill Control Packer	Part No.	111R	L111R	9231R	1025R	L1025R	9237R	B5236R	B4154R	12695R	B7104R	9298R
	Weight	16 lbs	16 lbs	14 lbs	16	16 lbs	13 ½ lbs	14 lbs	16 lbs	14 lbs	14 lbs	14 lbs



How to Order

- Specify:
- (1) Name and number of assembly or part
 - (2) Size and type of fish to be caught
 - (3) Top connection
 - (4) OD, if other than standard



Recommended Spare Parts:

- Spiral:
- (1) 3 Packers
 - (2) 2 Grapples for each size
 - (3) 1 Control
- Basket:
- (1) 2 Grapples
 - (2) Mill Control Packers for each size
- Mill Control Packer:
- (1) 3 Inner and 3 Outer Seals



Abbreviations:

- FS (Full Strength) Engineered to withstand all pulling, torsional, and jarring strain.
 XFS (Extra Full Strength) Engineered for extreme abuse.
 SFS (Semi Full Strength) Engineered for special hole conditions commensurate with maximum strength.
 SH (Slim Hole) Engineered to withstand heavy pulling strain only.
 XSH (Extra Slim Hole) Engineered for pickup jobs only.

Bowen™ Series 150 Overshots Supplement

Specifications and Replacement Parts

Specifications

Maximum Catch Size (Spiral)		7 ½ in.	7 in.	7 in.	7 in.	7 in.	7 in.	7 in.	7 in.	7 in.	7 in.	7 in.
Maximum Catch Size (Basket)		6 ¾ in.	6 ¾ in.	7 in.	6 ¾ in.	7 ½ in.	7 ½ in.	7 in.	7 in.	7 in.	7 in.	7 ¼ in.
Overshot O.D.		9 ½ in.	8 ¾ in.	8 ¾ in.	9 ¼ in.	8 ¾ in.	8 ¾ in.	8 ¾ in.	9 ¾ in.	9 ¾ in.	9 ¾ in.	9 in.
Standard Box Connection		Per Customer Prder										
Type		FS	SH	SH	FS	SH	SH	SH	FS	FS	FS	SH
Complete Assembly (Dressed with Spiral Parts)	Part No.	C7099	4796	C5249	C5241	9850	5257	C5257	1665	7810	C1500	4816
	Weight	314 lbs	271 lbs	275 lbs	319 lbs	278 lbs	275 lbs	281 lbs	328 lbs	328 lbs	328 lbs	289 lbs

Replacement Parts

Top Sub	Part No.	A7100	4797	A5250	A5242	9851	5258	A5258	1666	7812	B1502	4835
	Weight	140 lbs	124 lbs	124 lbs	145 lbs	128 lbs	128 lbs	128 lbs	152 lbs	152 lbs	152 lbs	133 lbs
Bowl	Part No.	B4516	9239	B5251	B5243	9852	5259	B5259	1283	7811	B1501	9245
	Weight	81 lbs	71 lbs	72 lbs	82 lbs	73 lbs	73 lbs	73 lbs	83 lbs	83 lbs	83 lbs	76 lbs
Packer	Part No.	L98	9243	B5252	B5244	9855	5260	B5260	98	98	L-98	9250
	Weight	2 lbs	1 ½ lbs	1 ½ lbs	1 ¾ lbs	4 ½ lbs	4 ½ lbs	4 ½ lbs	1 ¾ lbs	1 ¾ lbs	1 ¾ lbs	2 lbs
Spiral Grapple	Part No.	B3454	9241	B5254	B5246	9853	5262	B5262	85	85	N85	9248
	Weight	7 lbs	5 ½ lbs	6 lbs	7 lbs	6 lbs	6 lbs	6 lbs	7 lbs	7 lbs	7 lbs	7 lbs
Spiral Grapple Control	Part No.	B3455	9242	B5255	B5247	9854	5263	A5263	100	100	M100	9249
	Weight	4 lbs	3 ½ lbs	3 ½ lbs	4 lbs	3 ½ lbs	3 ½ lbs	3 ½ lbs	4 lbs	4 lbs	4 lbs	4 lbs
Standard Guide	Part No.	A3456	4798	A5256	A5248	9857	5264	A5264	88	88	M88	4836
	Weight	79 lbs	65 lbs	67 lbs	79 lbs	66 lbs	68 lbs	68 lbs	80 lbs	80 lbs	80 lbs	69 lbs

Basket Parts

Basket Grapple	Part No.	B3454	9241	B5254	B5246	9853	5262	B5262	85	85	N85	9248
	Weight	35 lbs	29 lbs	30 lbs	35 lbs	29 lbs	30 lbs	30 lbs	35 lbs	35 lbs	35 lbs	35 lbs
Basket Grapple Control	Part No.	B3455	9242	B5255	B5247	9854	5263	A5263	100	100	M100	9249
	Weight	12 lbs	10 lbs	10 ½ lbs	12 lbs	10 lbs	10 lbs	10 ½ lbs	12 lbs	12 lbs	12 lbs	12 lbs
Mill Control Packer	Part No.	M98RS	9243R	B5252R	B5244R	9855R	5260R	B5260R	98R	98R	L98R	9250R
	Weight	16 lbs	14 lbs	14 lbs	16 lbs	14 lbs	14 lbs	14 lbs	16 lbs	16 lbs	16 lbs	16 lbs



How to Order

- Specify:
- (1) Name and number of assembly or part
 - (2) Size and type of fish to be caught
 - (3) Top connection
 - (4) OD, if other than standard



Recommended Spare Parts:

- Spiral:
- (1) 3 Packers
 - (2) 2 Grapples for each size
 - (3) 1 Control
- Basket:
- (1) 2 Grapples
 - (2) Mill Control Packers for each size
- Mill Control Packer:
- (1) 3 Inner and 3 Outer Seals



Abbreviations:

- FS (Full Strength) Engineered to withstand all pulling, torsional, and jarring strain.
 XFS (Extra Full Strength) Engineered for extreme abuse.
 SFS (Semi Full Strength) Engineered for special hole conditions commensurate with maximum strength.
 SH (Slim Hole) Engineered to withstand heavy pulling strain only.
 XSH (Extra Slim Hole) Engineered for pickup jobs only.

Bowen™ Series 150 Overshots Supplement

Specifications and Replacement Parts

Specifications

Maximum Catch Size (Spiral)		8 in.	8 in.	8 in.	8 ½ in.	8 ½ in.	8 ½ in.	8 ½ in.	8 ½ in.	8 ½ in.	8 ½ in.	8 ½ in.
Maximum Catch Size (Basket)		7 ¾ in.	7 ¼ in.	7 ¼ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	8 in.	7 ¾ in.	7 ¾ in.	8 in.
Overshot O.D.		9 ½ in.	9 ¾ in.	9 ¾ in.	10 ¼ in.	9 ¾ in.	10 ¼ in.	10 ¼ in.	9 ¾ in.	10 ¼ in.	11 in.	10 ½ in.
Standard Box Connection		Per Customer Order										
Type		SH	FS	FS	FS	SH	FS	FS	XSH	SH	FS	FS
Complete Assembly (Dressed with Spiral Parts)	Part No.	C5265	N264	C4179	C1230	C5284	M8960	C5281	4837	C5297	C5292	8963
	Weight	294 lbs	337 lbs	337 lbs	351 lbs	325 lbs	358 lbs	358 lbs	325 lbs	369 lbs	456 lbs	390 lbs

Replacement Parts

Top Sub	Part No.	A5266	L265	B4180	B1235	A5285	L8961	A5282	4838	A5298	A5293	8964
	Weight	137 lbs	158 lbs	158 lbs	162 lbs	159 lbs	165 lbs	165 lbs	159 lbs	168 lbs	182 lbs	174 lbs
Bowl	Part No.	B5267	M266	B2716	B1231	B5286	M8962	B5283	9098	B5299	B5294	8965
	Weight	75 lbs	84 lbs	84 lbs	86 lbs	78 lbs	87 lbs	87 lbs	78 lbs	88 lbs	118 lbs	94 lbs
Packer	Part No.	B5268	L235	M235	L1060	B5287	L8956	L1060	9103	B5300	A1966	1966
	Weight	1 ½ in.	1 ½ in.	1 ½ in.	1 ¾ lbs	1 ½ in.	1 ¾ lbs	1 ¾ lbs	1 ½ in.	1 ¾ lbs	2 ½ lbs	1 ¾ lbs
Spiral Grapple	Part No.	B5270	M238	M238	C1232	B5289	M8957	B4430	9101	B5302	B1962	8966
	Weight	6 ½ lbs	7 ¾ lbs	7 ¾ lbs	8 ½ in.	7 ½ in.	9 lbs	9 lbs	7 ½ in.	10 lbs	12 lbs	10 ½ in.
Spiral Grapple Control	Part No.	B5271	M239	M239	B1233	A5290	L8958	A4431	9102	B5303	B1963	8967
	Weight	3 ½ in.	4 lbs	4 lbs	4 ¾ lbs	4 lbs	4 ¾ lbs	4 ¾ lbs	4 lbs	5 lbs	6 lbs	5 ½ in.
Standard Guide	Part No.	A5272	M240	M240	B1236	A5291	L8959	B4432	4839	A5304	A5296	8968
	Weight	70 lbs	81 lbs	81 lbs	87 lbs	74 lbs	90 lbs	90 lbs	74 lbs	96 lbs	135 lbs	103 lbs

Basket Parts

Basket Grapple	Part No.	B5270	M238	M238	C1232	B5289	M8957	B4430	9101	B5302	B1962	8966
	Weight	32 ½ in.	37 ¾ lbs	37 ¾ lbs	42 ½ in.	37 ½ in.	45 lbs	45 lbs	37 ½ in.	50 lbs	60 lbs	52 lbs
Basket Grapple Control	Part No.	B5271	M239	M239	B1233	B5290	L8958	A4431	9102	B5303	B1963	8967
	Weight	10 ½ in.	12 lbs	12 lbs	13 ¼ lbs	12 lbs	13 ¼ lbs	13 ¼ lbs	12 lbs	15 lbs	18 lbs	15 ½ in.
Mill Control Packer	Part No.	B5268R	L235R	L235R	L1060R	B5287R	L8956R	L1060R	9103R	B5300R	A1966R	1966R
	Weight	14 lbs	16 lbs	16 lbs	19 lbs	16 lbs	19 lbs	19 lbs	16 lbs	20 lbs	24 lbs	21 lbs



How to Order

- Specify:
- (1) Name and number of assembly or part
 - (2) Size and type of fish to be caught
 - (3) Top connection
 - (4) OD, if other than standard



Recommended Spare Parts:

- Spiral:
- (1) 3 Packers
 - (2) 2 Grapples for each size
 - (3) 1 Control
- Basket:
- (1) 2 Grapples
 - (2) Mill Control Packers for each size
- Mill Control Packer:
- (1) 3 Inner and 3 Outer Seals



Abbreviations:

- FS (Full Strength) Engineered to withstand all pulling, torsional, and jarring strain.
 XFS (Extra Full Strength) Engineered for extreme abuse.
 SFS (Semi Full Strength) Engineered for special hole conditions commensurate with maximum strength.
 SH (Slim Hole) Engineered to withstand heavy pulling strain only.
 XSH (Extra Slim Hole) Engineered for pickup jobs only.

Bowen™ Series 150 Overshots Supplement

Specifications and Replacement Parts

Specifications

Maximum Catch Size (Spiral)		8 7/8 in.	8 7/8 in.	9 in.	9 in.	9 1/2 in.	10 in.	10 1/2 in.	10 1/2 in.	16 3/4 in.
Maximum Catch Size (Basket)		8 7/8 in.	8 7/8 in.	8 1/4 in.	8 in.	8 3/4 in.	9 1/4 in.	9 3/8 in.	9 1/8 in.	16 in.
Overshot O.D.		10 1/2 in.	11 1/4 in.	10 3/8 in.	11 3/8 in.	11 3/8 in.	11 7/8 in.	11 3/4 in.	12 1/2 in.	20 3/4 in.
Standard Box Connection		Per Customer Order								
Type		FS	FS	FS	FS	FS	FS	FS	XFS	
Complete Assembly (Dressed with Spiral Parts)	Part No.	C5305	C1870	5321	C5313	15250	8969	C5329	C1880	31653
	Weight	386 lbs	386 lbs	401 lbs	533 lbs	530 lbs	670 lbs	642 lbs	847 lbs	—

Replacement Parts

Top Sub	Part No.	A5306	B1877	5322	A5314	15251	8970	A5330	B1885	31654
	Weight	173 lbs	173 lbs	178 lbs	223 lbs	220 lbs	388 lbs	375 lbs	460 lbs	500 lbs
Bowl	Part No.	B5307	B1871	5323	B5315	15252	8971	B5331	B1881	31655
	Weight	93 lbs	93 lbs	97 lbs	134 lbs	130 lbs	122 lbs	115 lbs	180 lbs	570 lbs
Packer	Part No.	B5308	A1966	5324	B5316	15255	1969	B5332	A1969	31656
	Weight	1 3/4 in.	1 3/4 in.	2 lbs	2 1/4 lbs	2 1/4 lbs	2 1/2 in.	2 1/2 in.	2 3/8 lbs	32 lbs
Spiral Grapple	Part No.	B5310	B1874	5326	B5318	15253	8972	B5334	B1971	31658
	Weight	10 lbs	10 lbs	10 lbs	12 1/2 in.	12 1/2 in.	12 lbs	12 lbs	15 lbs	125 lbs
Spiral Grapple Control	Part No.	B5311	B1875	5327	B5319	15254	8973	A5335	B1972	31659
	Weight	5 lbs	5 lbs	5 lbs	6 lbs	6 lbs	7 lbs	7 lbs	10 lbs	—
Standard Guide	Part No.	A5312	B1876	5328	A5320	15257	8974	A5336	B1973	31660
	Weight	102 lbs	102 lbs	108 lbs	154 lbs	150 lbs	138 lbs	130 lbs	178 lbs	170 lbs

Basket Parts

Basket Grapple	Part No.	B5310	B1874	5326	B5318	15253	8972	B5334	B1971	31658
	Weight	50 lbs	50 lbs	50 lbs	62 1/2 in.	62 lbs	60 lbs	60 lbs	75 lbs	250 lbs
Basket Grapple Control	Part No.	B5311	B1875	5327	B5319	15254	8973	A5335	B1972	31659
	Weight	15 lbs	15 lbs	15 lbs	18 lbs	17 lbs	21 lbs	21 lbs	30 lbs	25 lbs
Mill Control Packer	Part No.	B5308R	A1966R	5324R	B5316R	15255R	1969R	B5332R	A1969R	31656R
	Weight	20 lbs	24 lbs	20 lbs	24 lbs	21 lbs	28 lbs	28 lbs	40 lbs	32 lbs



How to Order

- Specify:
- (1) Name and number of assembly or part
 - (2) Size and type of fish to be caught
 - (3) Top connection
 - (4) OD, if other than standard



Recommended Spare Parts:

- Spiral:
- (1) 3 Packers
 - (2) 2 Grapples for each size
 - (3) 1 Control
- Basket:
- (1) 2 Grapples
 - (2) Mill Control Packers for each size
- Mill Control Packer:
- (1) 3 Inner and 3 Outer Seals



Abbreviations:

- FS (Full Strength) Engineered to withstand all pulling, torsional, and jarring strain.
 XFS (Extra Full Strength) Engineered for extreme abuse.
 SFS (Semi Full Strength) Engineered for special hole conditions commensurate with maximum strength.
 SH (Slim Hole) Engineered to withstand heavy pulling strain only.
 XSH (Extra Slim Hole) Engineered for pickup jobs only.

Bowen™ Series 150 Overshots Supplement

Bowen Series Course Thread (CT) 150 Overshots Specifications and Replacement Parts

Specifications

Maximum Catch Size (Spiral)		3 1/8 in.	3 1/2 in.	3 3/4 in.	4 1/4 in.	6 1/4 in.	7 in.	8 in.	10 1/8 in.
Maximum Catch Size (Basket)		2 1/16 in.	2.702 in.	3.220 in.	4 1/4 in.	5 3/8 in.	6 3/8 in.	7 1/4 in.	9 3/8 in.
Overshot O.D.		3 3/4 in.	4 1/8 in.	4 1/16 in.	5 3/4 in.	7 3/8 in.	8 1/8 in.	9 3/8 in.	11 3/4 in.
Standard Box Connection		Per Customer Order							
Type		CT	CT	CT	CT	CT	CT	CT	CT
Complete Assembly	Part No.	80602	79957	79937	79908	79946	79942	79951	80252

Replacement Parts

Top Sub	Part No.	80603	79958	79938	79909	79947	79943	79952	80253
Bowl	Part No.	80604	79959	79939	79910	79948	79944	79953	80254
P.O. Rubber	Part No.	37588*	809	6665	6114	9689	9224	235	5332
P.O. Seat Ring	Part No.	37589	1748	43496	6120	9690	9225	241	5333
Grapple	Part No.	37590	1741	6662	6112	9687	9222	238	5334
Grapple Control	Part No.	37591	1747	6674	6113	9688	9223	239	5335
Guide	Part No.	80605	79960	79940	79911	79949	79945	79954	80255
Packer	Part No.	—	—	—	—	9689	9224	—	—
Basket Grapple	Part No.	—	—	—	—	—	9222	—	—

Optional

Lock Ring Set	Part No.	67480	67484	67504	65280	67617	67695	65179	65331
Spacer	Part No.	67481	67485	67505	65373	67652	67696	A-5335	B-1972
Lock Ring Breakout Tool	Part No.	65912	65912	65912	65912	65912	65912	65912	65912
High Pressure Pack-off Ass'y	Part No.	70857	10255	10260	10265	—	61204	65321	65333
Small Spacer Seal	Part No.	568-40	30-14	30-18	6230-27	—	30-42	6230-46	PRP568-275
Large Spacer Seal	Part No.	568-42	—	—	—	—	—	—	—
Packer	Part No.	37588HP	809HP	6665HP	6114HP	—	9224HP	235HP	5332HP
Pack-off Adapter	Part No.	70858	—	—	—	—	—	—	—
Spacer	Part No.	70859	—	—	—	67652	—	65381**	—
Bushing	Part No.	—	10256	10261	10266	—	61205	65322	65334
Mill Extension	Part No.	—	—	—	79912	—	—	79955	80256

*For Type D Packer use No. 3594-D

**Use with Type A Packer



How to Order

- Specify:
- (1) Name and number of assembly or part
 - (2) Size and type of fish to be caught
 - (3) Top connection
 - (4) OD, if other than standard



Recommended Spare Parts:

- Spiral:
- (1) 3 Packers
 - (2) 2 Grapples for each size
 - (3) 1 Control
- Basket:
- (1) 2 Grapples
 - (2) Mill Control Packers for each size
- Mill Control Packer:
- (1) 3 Inner and 3 Outer Seals



Abbreviations:

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- SFS (Semi Full Strength) Engineered for special hole conditions commensurate with maximum strength.
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- XSH (Extra Slim Hole) Engineered for pickup jobs only.

Bowen™ Series 150 Overshots Supplement

Overshot Accessories

Two types of top subs are available for Bowen™ Overshots: SS, short sub with shoulder; and LS, elevator sub with shoulder. Type-SS top subs are furnished as part of the assembly, unless otherwise specified.

150 Series Overshot Type LS Top Subs

Complete Assembly No.	9305	C5072	C4741	C4623	C5080	9270	C1827	C4736	C5101	C5098	C5104	9105	C4822	C5115
O.D. of Overshot	3 ½ in.	3 ¼ in.	3 ½ in.	3 ¾ in.	3 ¾ in.	3 ¾ in.	3 ¾ in.	4 in.	3 ½ in.	4 ¾ in.	4 in.	4 ½ in.	4 ¼ in.	4 ½ in.
Part No.	9311LS	A5073G	A4742G	A5083G	A5081G	9276LS	A1834G	A4737G	A5102G	A5099G	A5105G	9106LS	A4823G	A5116G
Weight	78 lbs	81 lbs	84 lbs	83 lbs	86 lbs	86 lbs	84 lbs	88 lbs	87 lbs	90 lbs	87 lbs	88 lbs	90 lbs	107
Length	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.
Complete Assembly No.	No. C5112	C5126	9635	C5123	C4619	C4732	C5151	9109	C5148	C5129	9120	C4686	C9296	C7497
O.D. of Overshot	4 ¾ in.	4 ¼ in.	4 ¾ in.	4 ½ in.	4 ¾ in.	4 ½ in.	4 ¾ in.	4 ½ in.	5 in.	4 ¾ in.	4 ½ in.	5 ½ in.	4 ½ in.	5 ½ in.
Part No.	A5113G	A5127G	9636LS	A5124G	A4620G	A4733G	A5152G	9110LS	A5149G	A5130G	9110LS	A4687G	A9297G	A7498G
Weight	112 lbs	109 lbs	111 lbs	114 lbs	111 lbs	116 lbs	113 lbs	116 lbs	118 lbs	115 lbs	117 lbs	120 lbs	114 lbs	120 lbs
Length	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.
Complete Assembly No.	C5139	C5136	9515	C5154	C5142	C5428	C5425	C5162	C4819	5896	C5165	C4814	C4969	5698
O.D. of Overshot	4 ¾ in.	5 ¾ in.	5 ¼ in.	4 ¾ in.	5 ¾ in.	5 in.	5 ¾ in.	5 ½ in.	5 ¾ in.	5 ¾ in.	5 ¾ in.	5 ¾ in.	5 ½ in.	5 ¾ in.
Part No.	A5140G	A5137G	9516LS	A5155G	A5143G	A5249G	A5426G	A5163G	A4820G	5897LS	A5166G	B4815G	A4970G	5699LS
Weight	117 lbs	122 lbs	124 lbs	119 lbs	124 lbs	121 lbs	126 lbs	170 lbs	175 lbs	175 lbs	175 lbs	180 lbs	180 lbs	182 lbs
Length	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.
Complete Assembly No.	C4844	5737	C5168	8975	C4829	C7096	C7093	C5171	7787	C4825	6655	C5174	4773	8625
O.D. of Overshot	5 ½ in.	5 ½ in.	5 ¾ in.	5 ¾ in.	6 ½ in.	5 ¾ in.	6 ¾ in.	5 ¾ in.	6 ½ in.	6 ¾ in.	6 ¾ in.	6 ¾ in.	6 ½ in.	5 ¾ in.
Part No.	B4845G	5738LS	A5169G	8976LS	A4830G	A7097G	A7094G	A5172G	7789LS	A4826G	6656LS	A5175G	4774LS	8628LS
Weight	185 lbs	185 lbs	185 lbs	180 lbs	190 lbs	180 lbs	190 lbs	190 lbs	190 lbs	195 lbs	195 lbs	200 lbs	215 lbs	220 lbs
Length	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.	46 in.
Complete Assembly No.	C5178	C5176	C5185	B3810	9038	C5193	8978	C4689	6150	C5196	C3364	7572	C5206	C5204
O.D. of Overshot	6 ¾ in.	7 ½ in.	6 ½ in.	7 ¼ in.	6 ¾ in.	6 ¾ in.	6 ¾ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.
Part No.	A4826G	A5177G	A5186G	B3811G	9039LS	A5194G	8979LS	A4690G	6151LS	A5197G	A3365G	7573LS	A5207G	A5205G
Weight	220 lbs	230 lbs	235 lbs	235 lbs	225 lbs	230 lbs	230 lbs	240 lbs	240 lbs	235 lbs	245 lbs	245 lbs	240 lbs	250 lbs
Length	48 in.	48 in.	48 in.	48 in.	48 in.	48 in.	48 in.	48 in.	48 in.	48 in.	48 in.	48 in.	48 in.	48 in.
Complete Assembly No.	C4691	9692	8741	C2108	7791	9009	9163	C5344	9860	C5342	C5214	4785	9339	C3032
O.D. of Overshot	7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ½ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	8 ½ in.	7 ¾ in.	7 ¾ in.	8 ½ in.	8 ½ in.
Part No.	A4692G	9693LS	8742LS	B2106G	7793LS	9010LS	9165LS	A5345G	9861LS	A5343G	A5215G	9133LS	9338LS	A3033G
Weight	245 lbs	245 lbs	245 lbs	255 lbs	255 lbs	240 lbs	250 lbs	250 lbs	250 lbs	260 lbs	255 lbs	255 lbs	260 lbs	265 lbs
Length	48 in.	48 in.	48 in.	48 in.	48 in.	48 in.	48 in.	48 in.	48 in.	48 in.	48 in.	48 in.	48 in.	48 in.
Complete Assembly No.	C5222	275	C3833	8995	C3263	9217	C4817	7800	9570	C5354	C5352	4793	C5233	C5230
O.D. of Overshot	7 ¾ in.	8 ¾ in.	8 ¾ in.	8 in.	8 ½ in.	8 ½ in.	8 ¾ in.	8 ¾ in.	8 ¾ in.	8 ¾ in.	8 ¾ in.	8 ½ in.	8 ½ in.	9 in.
Part No.	A5223G	276LS	A3834G	8996LS	A3033G	9218LS	B4818G	7802LS	9544LS	A5355G	A5353G	4794LS	A5234G	A5231G
Weight	410 lbs	420 lbs	420 lbs	410 lbs	415 lbs	415 lbs	425 lbs	425 lbs	420 lbs	420 lbs	430 lbs	425 lbs	425 lbs	435 lbs
Length	50 in.	50 in.	50 in.	50 in.	50 in.	50 in.	50 in.	50 in.	50 in.	50 in.	50 in.	50 in.	50 in.	50 in.
Complete Assembly No.	C7101	C7099	4796	C5249	C5241	C5257	9850	C1500	1665	4816	C5265	264	C4179	4834
O.D. of Overshot	8 ¾ in.	9 ½ in.	8 ¾ in.	8 ¾ in.	9 ¼ in.	8 ¾ in.	8 ¾ in.	9 ¾ in.	9 ¾ in.	9 in.	9 ¾ in.	9 ¾ in.	9 ¾ in.	9 ½ in.
Part No.	A7102G	A7100G	4797LS	A2550G	A5242G	A5258G	9851LS	B1502G	1666LS	4835LS	A5266G	265LS	B4180G	9063LS
Weight	430 lbs	437 lbs	430 lbs	430 lbs	440 lbs	640 lbs	640 lbs	650 lbs	650 lbs	640 lbs	645 lbs	655 lbs	655 lbs	650 lbs
Length	54 in.	54 in.	50 in.	50 in.	50 in.	54 in.	54 in.	54 in.	54 in.	54 in.	54 in.	54 in.	54 in.	54 in.
Complete Assembly No.	C1230	C5284	8960	C5297	C5292	8963	C5305	C5321	8969	C5329	C1880	15800	—	—
O.D. of Overshot	10 in.	9 ¾ in.	10 ½ in.	10 ¼ in.	11 in.	10 ½ in.	10 ½ in.	10 ¾ in.	11 ¾ in.	11 ¾ in.	12 ½ in.	12 ¾ in.	—	—
Part No.	B1235G	A5285G	8961LS	A5298G	A5293G	8964LS	A5306G	A5322G	8970LS	A5330G	B1885G	15801LS	—	—
Weight	660 lbs	655 lbs	665 lbs	670 lbs	700 lbs	675 lbs	680 lbs	680 lbs	900 lbs	895 lbs	925 lbs	975 lbs	—	—
Length	54 in.	54 in.	54 in.	54 in.	54 in.	54 in.	54 in.	54 in.	54 in.	54 in.	54 in.	54 in.	—	—

Bowen™ Series 150 Overshots Supplement

Bowen Type D Collar Packer Assemblies for Tubing Overshots

Use with Overshot No.		9305	C4741	C4623	C5080	9270	C4736	C9237	C5101	C5104	C4822
Overshot Maximum Catch		2 3/8 in.	2 3/8 in.	2 1/2 in.	2 1/2 in.	2 7/8 in.	2 7/8 in.	3 in.	3 1/16 in.	3 1/8 in.	3 1/8 in.
Maximum Size to Pack-off:		1.660 in.	1.660 in.	1.990 in.	1.990 in.	2 3/8 in. OD	2 3/8 in. OD	2 3/8 in. OD	2 3/8 in. OD	2 3/8 in. OD	2 3/8 in. OD
Tubing		O.D.	O.D.	O.D.	O.D.	NON	NON	NON	E.U.E.	E.U.E.	E.U.E.
Collar		E.U.E.	E.U.E.	E.U.E.	E.U.E.	UPSET	UPSET	UPSET	—	—	—
Complete Assembly	Part No.	39380	39381	39382	39383	39384	39385	47390	24046	39388	39390
	Weight	2 1/8 lbs	2 1/8 lbs	2 7/8 lbs	2 7/8 lbs	3 3/16 lbs	3 3/8 lbs	5 1/4 lbs	3 3/8 lbs	4 3/8 lbs	4 3/8 lbs

Replacement Parts

Packer Insert	Part No.	9309D	1453D	B5089D	B3395D	8550D	L809D	B9240D	B3594D	B5107D	7090D
	Weight	2 1/2 lbs	2 1/2 lbs	2 3/4 lbs	2 3/4 lbs	3 lbs	3 1/2 lbs	5 lbs	3 1/4 lbs	4 1/2 lbs	4 1/2 lbs
Spring	Part No.	39412	39412	26154	26154	8539	8539	47391	24044	24044	24044
	Weight	1/8 lb	1/8 lb	1/8 lb	1/8 lb	3/16 lb	1/8 lb	1/4 lb	1/8 lb	1/8 lb	1/8 lb
O-Ring	Part No.	30-3	30-3	30-4	30-4	30-6	30-6	27-35	30-10	27-35	27-35
	Weight	1/32 lb	1/32 lb	1/32 lb	1/32 lb	1/32 lb	1/32 lb	1/32 lb	1/32 lb	1/32 lb	1/32 lb

Bowen Type D Collar Packer Assemblies for Tubing Overshots

Use with Overshot No.		9105	C5112	5115	C5126	C5123	9635	C4619	C4732	9109	C5151
Overshot Maximum Catch		3 1/8 in.	3 1/4 in.	3 1/4 in.	3 3/8 in.	3 3/8 in.	3 3/8 in.	3 1/2 in.	3 1/2 in.	3 21/32 in.	3 21/32 in.
Maximum Size to Pack-off		2 3/8 OD in.	2 3/8 OD in.	2 3/8 OD in.	2 3/8 OD in.	2 3/8 OD in.	2 7/8 OD in.	2 7/8 OD in.	2 7/8 OD in.	2 7/8 OD in.	2 7/8 OD in.
Tubing		E.U.E.	E.U.E.	E.U.E.	E.U.E.	E.U.E.	NON	NON	NON	E.U.E.	E.U.E.
Collar		—	—	—	UPSET	UPSET	UPSET	—	—	—	—
Complete Assembly	Part No.	9095	39391	39224	39392	39347	9639	39393	39394	6653	6653
	Weight	4 3/8 lbs	6 lbs	4 1/4 lbs	5 3/8 lbs	5 3/4 lbs	4 3/8 lbs	5 3/4 lbs	4 1/4 lbs	4 3/8 lbs	4 3/8 lbs

Replacement Parts

Packer Insert	Part No.	809D	1517D	B5118D	B4625D	6515D	4185D	7065D	168D	6665D	6665D
	Weight	4 3/8 lbs	5 3/4 lbs	4 lbs	5 1/2 lbs	5 1/2 lbs	4 1/8 lbs	5 1/2 lbs	4 lbs	4 3/8 lbs	4 3/8 lbs
Spring	Part No.	808	39194	39194	24044	808	4183	4183	4183	6654	6654
	Weight	1/4 lb	1/4 lb	1/4 lb	1/8 lb	1/4 lb	1/4 lb	1/4 lb	1/4 lb	1/4 lb	1/4 lb
O-Ring	Part No.	27-35	30-9	30-9	27-35	27-35	30-10	30-10	30-10	30-10	30-10
	Weight	1/32 lb	1/32 lb	1/32 lb	1/32 lb	1/32 lb	1/32 lb	1/32 lb	1/32 lb	1/32 lb	1/32 lb



Type D Packer Assembly



How to Order

Specify:

- (1) Name and number of overshot
- (2) Size of fish to be caught
- (3) Any desired spares, by name and part number



Recommended Spare Parts:

- (1) 3 O-Rings

Miscellaneous O-Ring Seals are normally furnished in sealed plastic bags of 10, 25, or 100 pieces each to prevent deterioration. Other quantities will be furnished in unsealed packages. Packing Sets, however, will always be furnished in sealed plastic bags.

Bowen™ Series 150 Overshots Supplement

Bowen Type D Collar Packer Assemblies for Tubing Overshots

Use with Overshot No.		5148	C5129	C4686	C5139	C5154	C5142	C5428	C5425	9515	5896	—
Overshot Maximum Catch		3 3/2 in.	3 3/4 in.	3 3/4 in.	3 7/8 in.	4 in.	4 in.	4 1/8 in.	4 1/8 in.	4 1/4 in.	4 1/4 in.	—
Maximum Size to Pack-off:		2 7/8 in. OD	2 7/8 in. OD	2 7/8 in. OD	2 7/8 in. OD	2 7/8 in. OD	2 7/8 in. OD	2 7/8 in. OD	2 7/8 in. OD	3 1/2 in. OD	3 1/2 in. OD	—
Tubing		E.U.E.	E.U.E.	E.U.E.	E.U.E.	E.U.E.	E.U.E.	E.U.E.	E.U.E.	NON	NON	—
Collar		—	—	—	—	—	—	UPSET	UPSET	—	—	—
Complete Assembly	Part No.	39225	39397	39398	39399	39401	39402	39403	39404	9538	5895	—
	Weight	4 3/8 lbs	4 3/4 lbs	7 1/4 lbs	8 1/8 lbs	8 3/8 lbs	8 3/8 lbs	7 3/8 lbs	7 3/8 lbs	5 3/8 lbs	8 1/2 lbs	—

Replacement Parts

Packer Insert	Part No.	3219D	5538D	A811D	A1707D	B5157D	B1506D	B4895D	1867D	856D	189D	—
	Weight	4 3/8 lbs	4 1/2 lbs	7 lbs	7 3/4 lbs	8 lbs	8 lbs	7 lbs	7 lbs	5 1/2 lbs	8 lbs	—
Spring	Part No.	6654	6654	6654	914	914	914	914	914	914	6129	—
	Weight	1/4 lb	1/4 lb	1/4 lb	3/8 lb	3/8 lb	3/8 lb	3/8 lb	3/8 lb	3/8 lb	1/2 lb	—
O-Ring	Part No.	30-10	30-10	30-10	30-14	30-14	30-14	30-14	30-14	30-14	30-16	—
	Weight	1/2 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lb	—

Bowen Type D Collar Packer Assemblies for Tubing Overshots

Use with Overshot No.		5162	8975	C5165	C4814	5737	5698	C5168	C4829	C7096	C7093	4825
Overshot Maximum Catch		4 1/4 in.	4 1/2 in.	4 1/2 in.	4 1/2 in.	4 3/8 in.	4 3/8 in.	4 3/4 in.	4 3/4 in.	4 7/8 in.	4 7/8 in.	5 in.
Maximum Size to Pack-off		3 1/2 in. OD	3 1/2 in. OD	3 1/2 in. OD	3 1/2 in. OD	3 1/2 in. OD	3 1/2 in. OD	4 in. OD	4 in. OD	4 in. OD	4 in. OD	4 in. OD
Tubing		NON	E.U.E.	E.U.E.	E.U.E.	E.U.E.	E.U.E.	NON	NON	NON	NON	E.U.E.
Collar		UPSET	—	—	—	—	—	UPSET	UPSET	UPSET	UPSET	—
Complete Assembly	Part No.	35696	6104	B-13548	39405	39406	18661	39407	39408	39409	39410	39226
	Weight	8 3/8 lbs	7 1/2 lbs	9 lbs	8 lbs	8 lbs	9 lbs	8 1/2 lbs	8 1/2 lbs	5 1/2 lbs	12 1/2 lbs	10 1/2 lbs

Replacement Parts

Packer Insert	Part No.	4672D	6114D	A2487D	B2199-1D	195D	1140D	B2199D	B2362D	B6387D	B2455D	4505D
	Weight	8 lbs	7 lbs	8 1/2 lbs	7 1/2 lbs	7 1/2 lbs	8 1/2 lbs	8 lbs	8 lbs	10 lbs	12 lbs	10 lbs
Spring	Part No.	914	6129	6129	6129	6129	18662	6129	6129	39236	39236	39236
	Weight	3/8 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lbs
O-Ring	Part No.	30-14	30-15	30-15	30-15	30-15	30-15	30-15	30-15	30-19	30-19	30-19
	Weight	1/2 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lb	1/2 lbs



Type D Packer Assembly



How to Order

- Specify:
- (1) Name and number of overshot
 - (2) Size of fish to be caught
 - (3) Any desired spares, by name and part number



Recommended Spare Parts:

- (1) 3 O-Rings

Miscellaneous O-Ring Seals are normally furnished in sealed plastic bags of 10, 25, or 100 pieces each to prevent deterioration. Other quantities will be furnished in unsealed packages. Packing Sets, however, will always be furnished in sealed plastic bags.

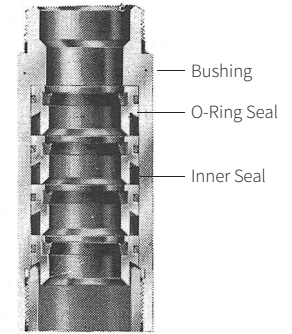
Bowen™ Series 150 Overshots Supplement

High Pressure Pack-off Assemblies

The high pressure pack-off assembly is a special assembly for use in areas of extreme pressure. It consists of a bushing and four packing elements. It is normally installed between the bowl and the guide of the overshoot.

High Pressure Pack-off Assemblies for Series 150 Overshots

Use with Overshot No.	9105	9109	5896	8975	6655	8741	9163	9163	
Overshot Catch Size	3 1/8 in.	3 21/32 in.	4 1/4 in.	4 3/4 in.	5 1/4 in.	6 1/4 in.	6 3/8 in.	6 3/8 in.	
Overshot O.D.	4 1/8 in.	4 11/16 in.	5 5/16 in.	5 3/4 in.	6 3/8 in.	7 7/8 in.	7 3/4 in.	7 3/4 in.	
Complete Assembly	Part No.	10255	10260	10357	10265	13595	21091	*22118	13770
	Weight	34 lbs	41 lbs	66 lbs	65 lbs	92 lbs	121 lbs	116 lbs	116 lbs



High Pressure Pack-off Assembly

Replacement Parts

Bushings	Part No.	10256	10261	10358	10266	13596	21092	22119	13771
	Weight	18 lbs	21 lbs	34 lbs	33 lbs	52 lbs	9 lbs	68 lbs	68 lbs
Packer (Includes O-Ring) (4 Req'd.)	Part No.	809HP	6665HP	169HP	6114HP	4505HP	1642HP	223HP	5508HP
	Weight	4 lbs	5 lbs	8 lbs	8 lbs	10 lbs	13 lbs	12 lbs	12 lbs
O-Ring Seal (4 Req'd., 1 per Packer)	Part No.	30-14	30-18	30-27	30-27	30-32	30-38	30-38	30-39
	Weight	1/100 lbs	1/100 lbs	1/100 lbs	1/100 lbs	1/50 lbs	1/50 lbs	1/50 lbs	1/50 lbs

* This assembly is installed between Top Sub and Bowl. All others are installed between Bowl and Guide.



How to Order

- Specify:
- (1) Name and number of overshoot
 - (2) Size of fish to be caught



Recommended Spare Parts:

- (1) 2 Sets of Packers (4 per Set)
- (2) 8 O-Rings

Miscellaneous O-Ring Seals are normally furnished in sealed plastic bags of 10, 25, or 100 pieces each to prevent deterioration. Other quantities will be furnished in unsealed packages. Packing Sets, however, will always be furnished in sealed plastic bags.

Bowen™ Series 150 Overshots Supplement

Type R Replaceable Outer Seals for Mill Control Packers. Listed in Numerical Order of Mill Control Packer Part Numbers:

Packer No.		—	98R	98RS	110R	111R	113R	168R	169R	195R	207R	223R	235R	A756R
Outer Seal	Part No.	—	30-43	30-42	27-62	27-68	30-33	30-18	30-22	27-52	30-39	27-64	27-72	30-32
Packer No.		—	809R	L809R	811R	A811R	856R	B972R	1025R	1060R	1140R	1189R	1253R	1453R
Outer Seal	Part No.	—	30-11	30-11	30-18	30-18	30-19	30-19	30-41	30-46	30-25	30-28	30-17	30-6
Packer No.		—	L1453R	A1508R	1517R	L1517R	1634R	1642R	1680R	A1707R	A1814R	A1831R	A1867R	1966R
Outer Seal	Part No.	—	30-6	30-24	30-14	30-14	30-38	30-37	27-65	30-19	30-38	30-11	30-21	27-74
Packer No.		—	A1966R	1969R	A1969R	A2196R	B2199R	B2199-1R	2362R	2372R	B2436R	B2455R	B2487R	L3064R
Outer Seal	Part No.	—	27-74	27-74	27-76	30-19	30-26	30-24	30-26	30-38	30-24	30-27	30-24	30-24
Packer No.		—	B3219R	B3395R	B3479R	B3594R	B4154R	4185R	4398R	4505R	4505RS	B4520R	B4625R	4672R
Outer Seal	Part No.	—	30-17	30-8	30-34	30-12	30-41	30-19	30-11	30-30	30-28	30-30	30-15	30-22
Packer No.		—	B4672R	B4895R	B5075R	B5089R	B5107R	B5118R	5157R	B5157R	B5180R	B5188R	B5199R	B5209R
Outer Seal	Part No.	—	30-22	30-20	30-6	30-7	30-12	30-14	30-20	30-20	30-32	30-33	30-36	30-37
Packer No.		—	B5217R	B5225R	B5236R	B5244R	B5252R	5260R	B5260R	B5268R	B5287R	B5300R	B5308R	B5316R
Outer Seal	Part No.	—	30-39	30-39	30-42	30-43	30-43	30-43	30-43	30-44	30-44	30-47	30-48	27-64
Packer No.		—	5324R	B5324R	5332R	B5347R	B5357R	5508R	B5538R	5950R	L5950R	6114R	L6163R	6310R
Outer Seal	Part No.	—	30-48	30-47	30-52	30-38	30-41	30-38	30-18	30-28	30-28	30-25	30-18	30-40
Packer No.		—	B6364R	B6387R	6515R	B6635R	6665R	L6665R	6697R	L7065R	L7090R	B7104R	8550R	8618R
Outer Seal	Part No.	—	30-46	30-27	30-15	27-66	30-17	30-17	30-33	30-16	30-13	30-42	30-11	30-31
Packer No.		—	8947R	8956R	8985R	9005R	9020R	9033R	9055R	9103R	9122R	9136R	9203R	9209R
Outer Seal	Part No.	—	30-30	30-46	30-39	30-37	30-27	30-33	30-45	30-46	30-17	30-38	30-32	30-30
Packer No.		9215R	9224R	L9224R	9231R	9237R	B9240R	9243R	9250R	9298R	B9299R	9309R	9407M	9689R
Outer Seal	Part No.	30-32	30-39	30-39	30-40	30-41	30-12	30-41	30-43	30-42	30-19	30-6	MS9021-32	30-36
Packer No.		9855R	9865R	B10202R	10368R	B11826R	12695R	B12825R	15255R	15805R	16398R	17423R	21303R	26260R
Outer Seal	Part No.	30-42	30-37	30-5	30-1	30-29	30-42	30-49	30-50	27-78	30-4	30-17	30-15	30-51

Type R Replaceable Inner Seals for Control Packers

Listed in Order of Fish Size:

Fish Size		1 ½ in.	2 in.	2 ½ in.	2 ¾ in.	2 ¾ in.	2 ¾ in.	2 ¾ in.	2 ¾ in.	2 ¾ in.	3 in.
Inner Seal	Part No.	A10803	A10804	A10805	A10806	A10807	A10808	A10809	A10810	A10811	A10812
	Weight	½ lb	½ lb	½ lb	½ lb	½ lb	½ lb	½ lb	½ lb	½ lb	¼ lb
Fish Size		3 ½ in.	3 ¾ in.	3 ¾ in.	3 ¾ in.	3 ¾ in.	3 ¾ in.	3 ¾ in.	4 in.	4 ½ in.	4 ½ in.
Inner Seal	Part No.	A10813	A10814	A10815	A10816	A10817	A10819	A10820	A10821	A10822	A10823
	Weight	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb
Fish Size		4 ¾ in.	4 ½ in.	4 ¾ in.	4 ¾ in.	4 ¾ in.	5 in.	5 ½ in.	5 ½ in.	5 ¾ in.	5 ½ in.
Inner Seal	Part No.	A10824	A10825	A10826	A10827	A10828	A10829	A10830	A10831	A10832	A10833
	Weight	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb
Fish Size		5 ¾ in.	5 ¾ in.	5 ¾ in.	6 in.	6 ¼ in.	6 ¼ in.	6 ¾ in.	6 ½ in.	6 ¾ in.	6 ¾ in.
Inner Seal	Part No.	A10834	A10835	A10836	A10837	A10838	A10839	A10840	A10841	A10842	A10843
	Weight	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb
Fish Size		6 ¾ in.	7 in.	7 ½ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	7 ¾ in.	8 in.
Inner Seal	Part No.	A10844	A10845	A10846	A10847	A10848	A10849	A10850	A10851	A10852	A10853
	Weight	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb
Fish Size		8 ½ in.	8 ¾ in.	8 ¾ in.	8 ¾ in.	8 ¾ in.	8 ¾ in.	8 ¾ in.	9 in.	9 ½ in.	9 ½ in.
Inner Seal	Part No.	A10854	A10855	A10856	A10857	A10858	A10859	A10860	A10861	A10862	A10863
	Weight	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb	¼ lb

Inner Seals to Pass Upset and Pack-off Pipe

Pack-off Pipe Size		1 ¼ in.	1 ½ in.	2 ¼ in.	2 ¾ in.	2 ¾ in.	2 ¾ in.	2 ¾ in.	3 ½ in.	3 ½ in.	3 ½ in.	4 ½ in.	4 ½ in.
Pass Upset Size		1 ¾ in.	1.900 in.	2.330 in.	2 ¾ in.	2 ¾ in.	3 ¾ in.	3 ¾ in.	3 ¾ in.	3 ¾ in.	3 ¾ in.	5 in.	5 ½ in.
Inner Seal	Part No.	A13366	A13317	A13285	A11690	A11690	A11691	A11692	A11693	A11693	A11694	A11695	A11696

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nov.com/patents

Corporate Headquarters

7909 Parkwood Circle Drive
Houston, Texas 77036, USA
Phone: 713 375 3700
Fax: 713 346 7687

For a complete list of NOV Wellbore Technologies locations, visit us online:

nov.com/locations