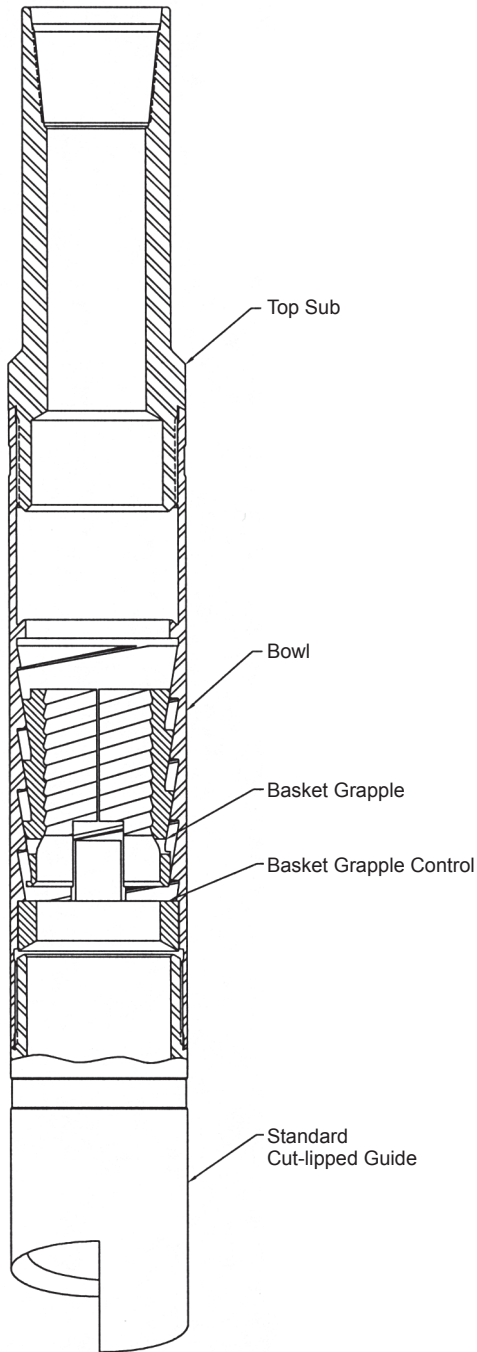
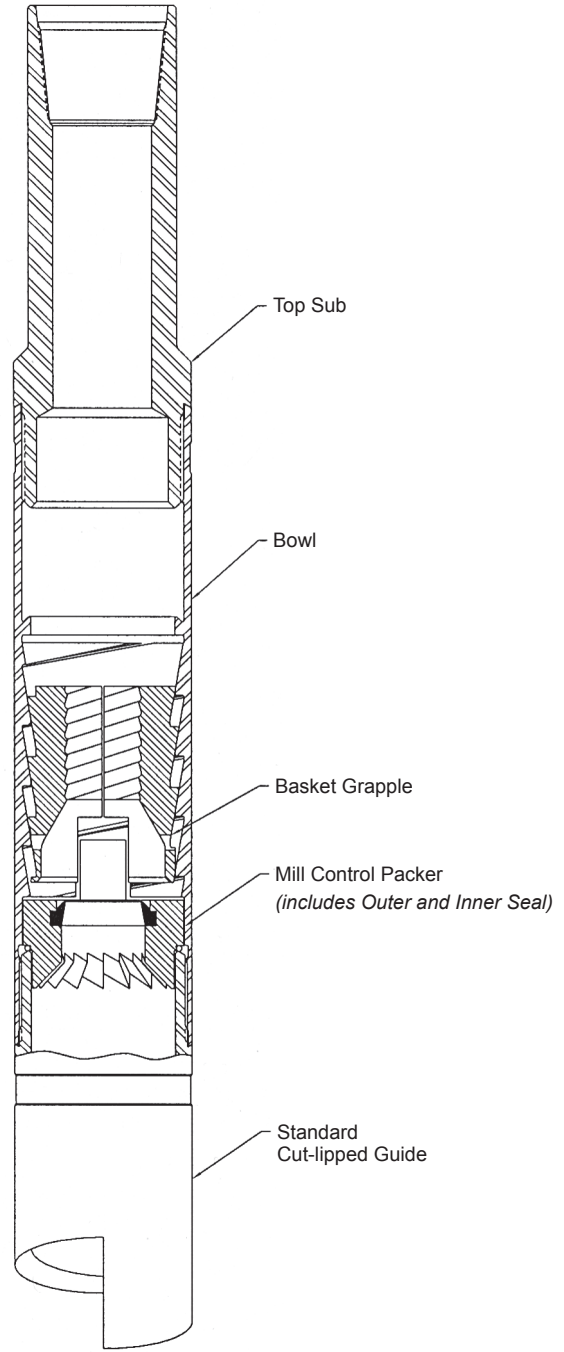


SERIES 150 RELEASING & CIRCULATING OVERSHOTS



**Basket Grapple
with Basket Grapple Control**



**Basket Grapple
with Mill Control Packer**



SERIES 150 RELEASING & CIRCULATING OVERSHOTS

SERIES 150 RELEASING & CIRCULATING OVERSHOTS

MAXIMUM CATCH SIZE (Spiral)	2	2-1/8	2-3/8	2-3/8	2-3/8	2-1/2	2-1/2
MAXIMUM CATCH SIZE (Basket)	1-3/4	1-3/4	2	1-7/8	1-7/8	2	2
OVERSHOT O.D.	2-5/16	2-5/8	3-1/8	3-1/2	4-1/8	3-3/8	3-5/8
TYPE	SH	SH	XSH	FS	FS	SH	FS
COMPLETE ASSEMBLY	150-231-D	150-263-D	150-313-E	150-350-A	150-414-A	150-338-D	150-363-A
Bowen No.	B-8919	C-10199	9305	C-4741	1443	C-4623	C-5080
TOP SUB	A0950	A1000	A1001	A1002	A10025	A1003	A1004
Bowen No.	A-8920	A-10200	9311	B-4742	1445	A-5083	A-5081
BOWL	A1950	A2000	A2001	A2002	A20025	A2003	A2004
Bowen No.	B-8921	B-10201	9306	B-4743	1446	B-5088	B-5082
STANDARD GUIDE (CUT-LIPPED)	B7008	A3000	A3001	A3002	A30025	A3003	A3004
Bowen No.	9404	A-10206	9312	A-4745	1450	A-5093	A-5087

SPIRAL COMPONENT PARTS

PACKER	A4950	A4000	A4001	A4002	A40025	A4003	A4004
Bowen No.	9407	B-10202	9309	L-1453	1453	B-5089	B-3395
SPIRAL GRAPPLE	B3008	A5000	A5001	A5002	A50025	A5003	A5004
Bowen No.	9403	B-10204	9307	B-782	1448	B-5091	B-5085
SPIRAL GRAPPLE CONTROL	A6950	A6000	A6001	A6002	A60025	A6003	A6004
Bowen No.	9405	A-10205	9308	B-783	1449	A-5092	A-5086

BASKET COMPONENT PARTS

BASKET GRAPPLE	B5008	A7000	A7001	A7002	A70025	A7003	A7004
Bowen No.	9403	B-10204	9307	B-782	1448	B-5091	B-5085
BASKET GRAPPLE CONTROL	B6008	A8000	A8001	A8002	A80025	A8003	A8004
Bowen No.	9405	A-10205	9308	B-783	1449	A-5092	A-5086
MILL CONTROL PACKER	A9950	A9000	A9001	A9002	A90025	A9003	A9004
Bowen No.	9407M	B-10202-R	9309-R	L-1453-R	1453-R	B-5089-R	B-3395-R

Coding

A = FS Full Strength – For all pulling torsional and jarring strain
 B = XFS Extra Full Strength – For extreme abuse
 C = SFS Semi Full Strength – Maximum strength for special hole conditions
 D = SH Slim Hole – For heavy pulling strains only
 E = XSH Extra Slim Hole – For pick up jobs only

When ordering, please specify:

- (1) Complete assembly or part number
- (2) Top Sub connection
- (3) Size and type of fish to be caught
- (4) O.D., if other than standard

Recommended Spare Parts:

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



SERIES 150 RELEASING & CIRCULATING OVERSHOTS

SERIES 150 RELEASING & CIRCULATING OVERSHOTS

MAXIMUM CATCH SIZE (Spiral)		2-7/8	3-1/16	3-1/8	2-7/8	2-7/8	3-1/16	3-1/16
MAXIMUM CATCH SIZE (Basket)		2-1/2	2-11/16	2-5/8	2-3/8	2-3/8	2-9/16	2-9/16
OVERSHOT O.D.		3-5/8	3-3/4	3-7/8	3-3/4	4	3-15/16	4-3/16
TYPE		XSH	SH	SH	SH	FS	SH	FS
COMPLETE ASSEMBLY		150-363-E	150-375-D	150-388-D	150-376-D	150-400-A	150-393-D	150-419-A
	Bowen No.	9270	37585	C-1835	C-1827	C-4736	C-5101	C-5098
TOP SUB		A1005	A10055	A10056	A10057	A1006	A1007	A1008
	Bowen No.	9276	37586	A-1842	A-1834	A-4737	A-5102	A-5099
BOWL		A2005	A20055	A20056	A20057	A2006	A2007	A2008
	Bowen No.	9271	37587	B-1836	B-1828	B-4738	B-5103	B-5100
STANDARD GUIDE (CUT-LIPPED)		A3005	A30055	A30056	A30057	A3006	A3007	A3008
	Bowen No.	9275	37592	A-1841	A-1833	A-4740	A-3598	A-4405

SPIRAL COMPONENT PARTS

PACKER		A4005	A40055	A40056	A40057	A4006	A4007	A4008
	Bowen No.	8550	37588	B-1839	A-1831	L-809	B-3594	L-7090
SPIRAL GRAPPLE		A5005	A50055	A50056	A50057	A5006	A5007	A5008
	Bowen No.	9272	37590	B-1837	A-1829	M-805	B-3596	B-4403
SPIRAL GRAPPLE CONTROL		A6005	A60055	A60056	A60057	A6006	A6007	A6008
	Bowen No.	9273	37591	A-1838	A-1830	M-806	B-3597	B-4403

BASKET COMPONENT PARTS

BASKET GRAPPLE		A7005	A70055	A70056	A70057	A7006	A7007	A7008
	Bowen No.	9272	37590	B-1837	A-1829	M-805	B-3596	B-4403
BASKET GRAPPLE CONTROL		A8005	A80055	A80056	A80057	A8006	A8007	A8008
	Bowen No.	9273	37591	A-1838	A-1830	M-806	B-3597	B-4404
MILL CONTROL PACKER		A9005	A90055	A90056	A90057	A9006	A9007	A9008
	Bowen No.	8550-R	37588-R	B-1839-R	A-1831-R	L-809-RS	B-3594-R	L-7090-R

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- (2) Basket: 2 Grapples, 2 Control Packers or Mill Control Packers for each size
- (3) Mill Control Packers: 3 Inner Seals and Outer Seals

SERIES 150 RELEASING & CIRCULATING OVERSHOTS

MAXIMUM CATCH SIZE (Spiral)		3-1/8	3-1/8	3-1/8	3-1/8	3-1/4	3-1/4	3-1/4
MAXIMUM CATCH SIZE (Basket)		2-5/8	2-5/8	2-5/8	2-5/8	2-3/4	2-3/4	2-3/4
OVERSHOT O.D.		4	4-1/8	4-1/8	4-1/4	4-1/8	4-3/8	4-3/8
TYPE		SH	FS	FS	FS	SH	FS	FS
COMPLETE ASSEMBLY	Logan Part No.	150-400-D	150-413-A	150-412-A	150-425-A	150-413-D	150-437-A	150-438-A
	Bowen No.	C-5104	9105	8220	C-4822	C-5115	9630	C-5112
TOP SUB	Logan Part No.	A1009	A1010	A10105	A1011	A1012	A10125	A1013
	Bowen No.	A-5105	9106	8221	A-4823	A-5116	9631	A-5113
BOWL	Logan Part No.	A2009	A2010	A20105	A2011	A2012	A20125	A2013
	Bowen No.	B-5106	9107	8223	B-4824	B-5117	9632	B-5114
STANDARD GUIDE (CUT-LIPPED)	Logan Part No.	A3009	A3010	A3010	A3011	A3012	A30125	A3013
	Bowen No.	A-5111	1746	1746	A-793	A-5122	1519	A-3207

SPIRAL COMPONENT PARTS

PACKER	Logan Part No.	A4009	A4010	A4010	A4011	A4012	A40125	A4013
	Bowen No.	B-5107	809	809	L-7090	B-5118	1517	L-1517
SPIRAL GRAPPLE	Logan Part No.	A5009	A5010	A5010	A5011	A5012	A50125	A5013
	Bowen No.	B-5109	1741	1741	B-791	B-5120	1518	B-3205
SPIRAL GRAPPLE CONTROL	Logan Part No.	A6009	A6010	A6010	A6011	A6012	A60125	A6013
	Bowen No.	A-5110	1747	1747	B-792	A-5121	1520	B-3206

BASKET COMPONENT PARTS

BASKET GRAPPLE	Logan Part No.	A7009	A7010	A7010	A7011	A7012	A70125	A7013
	Bowen No.	B-5109	1741	1741	B-791	B-5120	1518	B-3205
BASKET GRAPPLE CONTROL	Logan Part No.	A8009	A8010	A8010	A8011	A8012	A80125	A8013
	Bowen No.	B-5110	1747	1747	B-792	A-5121	1520	B-3206
MILL CONTROL PACKER	Logan Part No.	A9009	A9010	A9010	A9011	A9012	A90125	A9013
	Bowen No.	B-5107-R	809-R	809-R	L-7090-R	B-5118-R	1517-R	L-1517-R

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- (3) Mill Control Packers: 3 Inner Seals and Outer Seals

SERIES 150 RELEASING & CIRCULATING OVERSHOTS

MAXIMUM CATCH SIZE (Spiral)		3-3/8	3-3/8	3-3/8	3-3/8	3-1/2	3-1/2	3-1/2
MAXIMUM CATCH SIZE (Basket)		2-7/8	2-7/8	2-7/8	2-7/8	2-7/8	2-7/8	2-7/8
OVERSHOT O.D.		3-7/8	4-1/4	4-3/8	4-1/2	4-3/8	4-13/16	4-1/2
TYPE		XSH	SH	FS	FS	SH	FS	SH
COMPLETE ASSEMBLY	Logan Part No.	150-388-E	150-425-D	150-4375-A	150-450-A	150-438-D	150-482-A	150-450-D
	Bowen No.	21300	C-5126	9635	C-5123	C-4619	C-4732	C-3793
TOP SUB	Logan Part No.	A10135	A1014	A10145	A1015	A1016	A1017	A10161
	Bowen No.	21301	A-5127	9636	A-5124	A-4620	A-4733	A-3794
BOWL	Logan Part No.	A20135	A2014	A20145	A2015	A2016	A2017	A20161
	Bowen No.	21302	B-5128	9637	B-5125	B-4621	B-4734	A-3795
STANDARD GUIDE (CUT-LIPPED)	Logan Part No.	A30135	A3014	A30145	A3015	A3016	A3017	A30161
	Bowen No.	21307	A-4629	4197	A-3361	A-4622	A-4735	A-3609

SPIRAL COMPONENT PARTS

PACKER	Logan Part No.	A40135	A4014	A40145	A4015	A4016	A4017	A4015
	Bowen No.	21303	B-4625	4185	L-6515	L-7065	L-168	L-6515
SPIRAL GRAPPLE	Logan Part No.	A50135	A5014	A50145	A5015	A5016	A5017	A5016
	Bowen No.	21305	B-4627	4195	B-3359	B-3607	M-164	B-3607
SPIRAL GRAPPLE CONTROL	Logan Part No.	A60135	A6014	A60145	A6015	A6016	A6017	A6016
	Bowen No.	21306	B-4628	4196	B-3360	B-3608	M-185	B-3608

BASKET COMPONENT PARTS

BASKET GRAPPLE	Logan Part No.	A70135	A7014	A70145	A7015	A7016	A7017	A7016
	Bowen No.	21305	B-4627	4195	B-3359	B-3607	M-164	B-3607
BASKET GRAPPLE CONTROL	Logan Part No.	A80135	A8014	A80145	A8015	A8016	A8017	A8016
	Bowen No.	21306	B-4628	4196	B-3360	B-3608	M-185	B-3608
MILL CONTROL PACKER	Logan Part No.	A90135	A9014	A90145	A9015	A9016	A9017	A9015
	Bowen No.	21303-R	B-4625-R	4185-R	L-6515-R	L-7065-R	L-168-R	L-6515-R

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SERIES 150 RELEASING & CIRCULATING OVERSHOTS

MAXIMUM CATCH SIZE (Spiral)		3-21/32	3-21/32	3-21/32	3-21/32	3-3/4	3-3/4	3-13/16
MAXIMUM CATCH SIZE (Basket)		3-1/8	3-1/8	3.220	3-1/8	3-7/32	3-1/4	3-5/16
OVERSHOT O.D.		4-1/2	4-9/16	4-11/16	5	4-5/8	4-11/16	4-7/16
TYPE		SH	SH	SFS	FS	SH	SFS	SH
COMPLETE ASSEMBLY	Logan Part No.	150-450-D	150-456-D	150-469-C	150-500-A	150-463-D	150-468-C	150-444-D
	Bowen No.	17201	C-5151	9109	C-5148	C-5129	9120	C-9773
TOP SUB	Logan Part No.	A10175	A1018	A1019	A1020	A1021	A1019	A10217
	Bowen No.	17202	A-5152	9110	A-5149	A-5130	9110	A-9774
BOWL	Logan Part No.	A20175	A2018	A2019	A2020	A2021	A20215	A20217
	Bowen No.	17203	B-5153	9111	B-5150	B-5131	9121	B-9775
STANDARD GUIDE (CUT-LIPPED)	Logan Part No.	A30175	A3018	A3019	A3020	A3021	A30215	A30217
	Bowen No.	17204	A-4341	6667	A-4412	A-5135	9125	A-9779

SPIRAL COMPONENT PARTS

PACKER	Logan Part No.	A4018	A4018	A4019	A4020	A4021	A40215	A40217
	Bowen No.	L-6665	L-6665	6665	B-3219	B-5538	9122	L-6163
SPIRAL GRAPPLE	Logan Part No.	A5018	A5018	A5019	A5020	A5021	A50215	A50217
	Bowen No.	B-4339	B-4339	6662	B-4410	B-5133	9123	B-9777
SPIRAL GRAPPLE CONTROL	Logan Part No.	A6018	A6018	A6019	A6020	A6021	A60215	A60217
	Bowen No.	B-4340	B-4340	6674	B-4411	A-5134	9124	A-9778

BASKET COMPONENT PARTS

BASKET GRAPPLE	Logan Part No.	A7018	A7018	A7019	A7020	A7021	A70215	A70217
	Bowen No.	B-4339	B-4339	6662	B-4410	B-5133	9123	B-9777
BASKET GRAPPLE CONTROL	Logan Part No.	A8018	A8018	A8019	A8020	A8021	A80215	A80217
	Bowen No.	B-4340	B-4340	6674	B-4411	A-5134	9124	A-9778
MILL CONTROL PACKER	Logan Part No.	A9018	A9018	A9019	A9020	A9021	A90215	A90217
	Bowen No.	L-6665-R	L-6665-R	6665-R	B-3219-R	B-5538-R	9122-R	L-6163-R

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SERIES 150 RELEASING & CIRCULATING OVERSHOTS

MAXIMUM CATCH SIZE (Spiral)		3-3/4	3-7/8	3-7/8	4	4	4-1/8	4-1/8
MAXIMUM CATCH SIZE (Basket)		3-1/8	3-1/4	3-3/8	3-1/2	3-3/8	3-5/8	3-1/2
OVERSHOT O.D.		5-1/8	5-1/4	4-5/8	4-7/8	5-5/16	5	5-7/16
TYPE		FS	FS	SH	SH	FS	SH	FS
COMPLETE ASSEMBLY	Logan Part No.	150-513-A	150-525-A	150-462-D	150-488-D	150-531-A	150-500-D	150-544-A
	Bowen No.	C-4686	9515	C-6230	C-5154	C-5142	C-5428	C-5425
TOP SUB	Logan Part No.	A1022	A1023	A10235	A1024	A1025	A1026	A1027
	Bowen No.	A-4687	9516	A-6231	A-5155	A-5143	A-5429	A-5426
BOWL	Logan Part No.	A2022	A2023	A20235	A2024	A2025	A2026	A2027
	Bowen No.	B-4688	9517	B-6232	B-5156	B-5144	B-5430	B-5427
STANDARD GUIDE (CUT-LIPPED)	Logan Part No.	A3022	A3023	A30235	A3024	A3025	A3026	A3027
	Bowen No.	A-816	876	A-6236	A-5161	A-1507	B-4899	B-1999

SPIRAL COMPONENT PARTS

PACKER	Logan Part No.	A4022	A4023	A40235	A4024	A4025	A4026	A4027
	Bowen No.	A-811	856	A-1707	B-5157	B-1508	B-4895	L-1867
SPIRAL GRAPPLE	Logan Part No.	A5022	A5023	A50235	A5024	A5025	A5026	A5027
	Bowen No.	B-814	859	B-6234	B-5159	B-1505	B-4897	B-1997
SPIRAL GRAPPLE CONTROL	Logan Part No.	A6022	A6023	A60235	A6024	A6025	A6026	A6027
	Bowen No.	B-815	875	A-6235	B-5160	A-1506	B-4898	A-1998

BASKET COMPONENT PARTS

BASKET GRAPPLE	Logan Part No.	A7022	A7023	A70235	A7024	A7025	A7026	A7027
	Bowen No.	B-814	859	B-6234	B-5159	B-1505	B-4897	B-1997
BASKET GRAPPLE CONTROL	Logan Part No.	A8022	A8023	A80235	A8024	A8025	A8026	A8027
	Bowen No.	B-815	875	A-6235	B-5160	A-1506	B-4898	A-1998
MILL CONTROL PACKER	Logan Part No.	A9022	A9023	A90235	A9024	A9025	A9026	A9027
	Bowen No.	811-R	856-R	60947R	B-5157-R	A-1508-R	B-4895-R	L-1867-R

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- (2) Basket: 2 Grapples, 2 Control Packers or Mill Control Packers for each size
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SERIES 150 RELEASING & CIRCULATING OVERSHOTS

MAXIMUM CATCH SIZE (Spiral)		4-1/4	4-1/4	4-1/4	4-1/4	4-1/2	4-1/2	4-5/8
MAXIMUM CATCH SIZE (Basket)		3-3/4	3-3/4	3-11/16	3-11/16	3-7/8	3-7/8	4-1/8
OVERSHOT O.D.		5-1/8	5-1/8	5-9/16	5-9/16	5-3/8	5-13/16	5-1/2
TYPE		SH	SH	FS	FS	SH	FS	SH
COMPLETE ASSEMBLY	Logan Part No.	150-513-D	150-512-D	150-556-A	150-555-A	150-538-D	150-581-A	150-550-D
	Bowen No.	C-5162	4716	5896	C-4819	C-5165	C-4814	C-4969
TOP SUB	Logan Part No.	A1028	A10285	A1029	A10295	A1030	A1031	A10315
	Bowen No.	A-5163	4718	5897	A-4820	A-5166	A-4815	A-4970
BOWL	Logan Part No.	A2028	A20285	A2029	A20295	A2030	A2031	A20315
	Bowen No.	B-5164	4717	5898	B-4821	B-5167	B-4816	B-4971
STANDARD GUIDE (CUT-LIPPED)	Logan Part No.	A3028	A30285	A3029	A30295	A3030	A3031	A30315
	Bowen No.	A-4676	4719	187	L-187	B-2491	B-1989	M-1138

SPIRAL COMPONENT PARTS

PACKER	Logan Part No.	A40285	A40285	A4029	A4029	A4030	A4031	A4032
	Bowen No.	B-4672	4672	169	169	B-2487	B-2199-1	1140
SPIRAL GRAPPLE	Logan Part No.	A50285	A50285	A5029	A5029	A5030	A5031	A5032
	Bowen No.	B-4674	4674	165	165	B-2489	B-1987	1135
SPIRAL GRAPPLE CONTROL	Logan Part No.	A60285	A60285	A6029	A6029	A6030	A6031	A6032
	Bowen No.	A-4675	4675	186	186	B-2490	B-1988	1137

BASKET COMPONENT PARTS

BASKET GRAPPLE	Logan Part No.	A70285	A70285	A7029	A7029	A7030	A7031	A7032
	Bowen No.	B-4674	4674	165	165	B-2489	B-1987	1135
BASKET GRAPPLE CONTROL	Logan Part No.	A80285	A80285	A8029	A8029	A8030	A8031	A8032
	Bowen No.	A-4675	4675	186	186	B-2490	B-1988	1137
MILL CONTROL PACKER	Logan Part No.	A90285	A90285	A9029	A9029	A9030	A9031	A9032
	Bowen No.	B-4672-R	4672-R	169-R	169-R	B-2487-R	B-2199-1R	1140-R

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Logan Coding

- A = FS Full Strength – For all pulling torsional and jarring strain
- B = XFS Extra Full Strength – For extreme abuse
- C = SFS Semi Full Strength – Maximum strength for special hole conditions
- D = SH Slim Hole – For heavy pulling strains only
- E = XSH Extra Slim Hole – For pick up jobs only

When ordering, please specify:

- (1) Complete assembly or part number
- (2) Top Sub connection
- (3) Size and type of fish to be caught
- (4) O.D., if other than standard

Recommended Spare Parts:

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

SERIES 150 RELEASING & CIRCULATING OVERSHOTS

MAXIMUM CATCH SIZE (Spiral)		4-5/8	4-5/8	4-3/4	4-3/4	4-3/4	4-7/8	4-7/8
MAXIMUM CATCH SIZE (Basket)		4-1/8	4	4-1/4	4-1/4	4-1/8	4-1/4	4-1/4
OVERSHOT O.D.		5-5/8	5-15/16	5-5/8	5-3/4	6-1/16	5-3/4	6-1/8
TYPE		FS	FS	SH	FS	FS	SH	FS
COMPLETE ASSEMBLY	Logan Part No.	150-563-A	150-594-A	150-563-D	150-575-A	150-606-A	150-575-D	150-613-A
	Bowen No.	5698	5737	C-5168	8975	C-4829	C-7096	912
TOP SUB	Logan Part No.	A1032	A1033	A1034	A1035	A1036	A1037	A10375
	Bowen No.	5699	5738	A-5169	8976	A-4830	A-7097	908
BOWL	Logan Part No.	A2032	A2033	A2034	A2035	A2036	A2037	A20375
	Bowen No.	5700	5735	B-5170	8977	B-4831	B-7098	905
STANDARD GUIDE (CUT-LIPPED)	Logan Part No.	A3032	A3033	A3034	A3035	A3036	A3037	A30375
	Bowen No.	1143	192	B-2203	6121	B-2366	A-6391	1186

SPIRAL COMPONENT PARTS

PACKER	Logan Part No.	A4032	A4033	A4034	A4035	A4036	A4037	A40375
	Bowen No.	1140	195	B-2199	6114	B-2362	B-6387	1189
SPIRAL GRAPPLE	Logan Part No.	A5032	A5033	A5034	A5035	A5036	A5037	A50375
	Bowen No.	1135	196	B-2201	6112	B-2364	B-6389	1182
SPIRAL GRAPPLE CONTROL	Logan Part No.	A6032	A6033	A6034	A6035	A6036	A6037	A60375
	Bowen No.	1137	193	B-2202	6113	B-2365	A-6390	1187

BASKET COMPONENT PARTS

BASKET GRAPPLE	Logan Part No.	A7032	A7033	A7034	A7035	A7036	A7037	A70375
	Bowen No.	1135	196	B-2201	6112	B-2364	B-6389	1182
BASKET GRAPPLE CONTROL	Logan Part No.	A8032	A8033	A8034	A8035	A8036	A8037	A80375
	Bowen No.	1137	193	B-2202	6113	B-2365	A-6390	1187
MILL CONTROL PACKER	Logan Part No.	A9032	A9033	A9034	A9035	A9036	A9037	A90375
	Bowen No.	1140-R	195-R	B-2199-R	6114-R	B-2362-R	B-6387-R	1189-R

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B = XFS	Extra Full Strength – For extreme abuse
C = SFS	Semi Full Strength – Maximum strength for special hole conditions
D = SH	Slim Hole – For heavy pulling strains only
E = XSH	Extra Slim Hole – For pick up jobs only

When ordering, please specify:

- (1) Complete assembly or part number
- (2) Top Sub connection
- (3) Size and type of fish to be caught
- (4) O.D., if other than standard

Recommended Spare Parts:

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

SERIES 150 RELEASING & CIRCULATING OVERSHOTS

MAXIMUM CATCH SIZE (Spiral)		4-7/8	5	5	5	5-1/8	5-1/4	5-3/8
MAXIMUM CATCH SIZE (Basket)		4-1/4	4-1/2	4-3/8	4-1/4	4-5/8	4-5/8	4-3/4
OVERSHOT O.D.		6-3/16	5-7/8	6-1/8	6-5/8	5-3/4	6-3/8	6-1/2
TYPE		FS	SH	SFS	FS	SH	SH	SH
COMPLETE ASSEMBLY	Logan Part No.	150-619-A	150-588-D	150-612-C	150-663-A	150-576-D	150-638-D	150-650-D
	Bowen No.	C-7093	C-5171	7787	C-4825	C-11823	6655	4773
TOP SUB	Logan Part No.	A1038	A1039	A10395	A1040	A10402	A10405	A10407
	Bowen No.	A-7094	A-5172	7789	B-4826	A-11824	6656	4774
BOWL	Logan Part No.	A2038	A2039	A20395	A2040	A20402	A20405	A20407
	Bowen No.	B-7095	B-5173	7788	B-4827	B-11825	4503	9205
STANDARD GUIDE (CUT-LIPPED)	Logan Part No.	A3038	A3039	A30395	A3040	A30402	A30405	A30407
	Bowen No.	A-2459	B-4371	5946	L-1074	A-11830	4504	4775

SPIRAL COMPONENT PARTS

PACKER	Logan Part No.	A4038	A4039	A40395	A4040	A40402	A40405	A40407
	Bowen No.	B-2455	L-5950	5950	L-4505	B-11826	4505	9209
SPIRAL GRAPPLE	Logan Part No.	A5038	A5039	A50395	A5040	A50402	A50405	A50407
	Bowen No.	B-2457	B-4369	5942	M-1071	B-11828	4498	9207
SPIRAL GRAPPLE CONTROL	Logan Part No.	A6038	A6039	A60395	A6040	A60402	A60405	A60407
	Bowen No.	B-2458	B-4370	5944	M-1072	A-11829	4499	9208

BASKET COMPONENT PARTS

BASKET GRAPPLE	Logan Part No.	A7038	A7039	A70395	A7040	A70402	A70405	A70407
	Bowen No.	B-2457	B-4369	5942	M-1071	B-11828	4498	9207
BASKET GRAPPLE CONTROL	Logan Part No.	A8038	A8039	A80395	A8040	A80402	A80405	A80407
	Bowen No.	B-2458	B-4370	5944	M-1072	A-11829	4499	9208
MILL CONTROL PACKER	Logan Part No.	A9038	A9039	A90395	A9040	A90402	A90405	A90407
	Bowen No.	B-2455-R	L-5950-R	5950-R	M-4505-RS	11826-R	4505-R	9209-R

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- E = XSH Extra Slim Hole – For pick up jobs only

When ordering, please specify:

- (1) Complete assembly or part number
- (2) Top Sub connection
- (3) Size and type of fish to be caught
- (4) O.D., if other than standard

Recommended Spare Parts:

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

SERIES 150 RELEASING & CIRCULATING OVERSHOTS

MAXIMUM CATCH SIZE (Spiral)		5-1/2	5-1/2	5-3/4	5-3/4	6	6-1/8	6-1/8
MAXIMUM CATCH SIZE (Basket)		4-7/8	4-3/4	5-1/8	5	5-1/4	5-1/2	5-3/8
OVERSHOT O.D.		6-5/8	7-1/8	6-7/8	7-3/8	7-5/8	7-1/4	7-3/4
TYPE		SH	FS	SH	FS	FS	SH	FS
COMPLETE ASSEMBLY	Logan Part No.	150-663-D	150-713-A	150-688-D	150-738-A	150-763-A	150-725-D	150-775-A
	Bowen No.	8625	C-5176	8978	C-4689	7572	C-5206	C-5204
TOP SUB	Logan Part No.	A1041	A1042	A1043	A1044	A1045	A1046	A1047
	Bowen No.	8626	A-5177	8979	A-4690	7573	A-5207	A-5205
BOWL	Logan Part No.	A2041	A2042	A2043	A2044	A2045	A2046	A2047
	Bowen No.	8617	B-2791	8980	B-3522	7574	B-5208	B-4218
STANDARD GUIDE (CUT-LIPPED)	Logan Part No.	A3041	A3042	A3043	A3044	A3045	A3046	A3047
	Bowen No.	8621	A-761	6701	L-120	218	A-5213	A-2065

SPIRAL COMPONENT PARTS

PACKER	Logan Part No.	A4041	A4042	A4043	A4044	A4045	A4046	A4047
	Bowen No.	8618	A-756	6697	L-110	223	B-5209	L-1642
SPIRAL GRAPPLE	Logan Part No.	A5041	A5042	A5043	A5044	A5045	A5046	A5047
	Bowen No.	8619	B-759	6699	M-104	220	B-5211	B-2063
SPIRAL GRAPPLE CONTROL	Logan Part No.	A6041	A6042	A6043	A6044	A6045	A6046	A6047
	Bowen No.	8620	B-760	6700	L-130	219	A-5212	B-2064

BASKET COMPONENT PARTS

BASKET GRAPPLE	Logan Part No.	A7041	A7042	A7043	A7044	A7045	A7046	A7047
	Bowen No.	8619	B-759	6699	M-104	220	B-5211	B-2063
BASKET GRAPPLE CONTROL	Logan Part No.	A8041	A8042	A8043	A8044	A8045	A8046	A8047
	Bowen No.	8620	B-760	6700	L-130	219	A-5212	B-2064
MILL CONTROL PACKER	Logan Part No.	A9041	A9042	A9043	A9044	A9045	A9046	A9047
	Bowen No.	L-8618-R	A-756-R	6697-R	L-110-R	223-R	B-5209-R	L-1642-R

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- E = XSH Extra Slim Hole – For pick up jobs only

When ordering, please specify:

- (1) Complete assembly or part number
- (2) Top Sub connection
- (3) Size and type of fish to be caught
- (4) O.D., if other than standard

Recommended Spare Parts:

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

SERIES 150 RELEASING & CIRCULATING OVERSHOTS

MAXIMUM CATCH SIZE (Spiral)		6-1/4	6-1/4	6-1/4	6-1/4	6-1/4	6-3/8	6-3/8
MAXIMUM CATCH SIZE (Basket)		5-5/8	5-9/16	5-9/16	5-9/16	5-1/2	5-3/4	5-5/8
OVERSHOT O.D.		7-3/8	7-5/8	7-5/8	7-7/8	7-7/8	7-1/2	7-3/4
TYPE		SH	SFS	SFS	FS	FS	SH	SFS
COMPLETE ASSEMBLY	Logan Part No.	150-738-D	150-762-C	150-763-C	150-777-A	150-788-A	150-750-D	150-775-C
	Bowen No.	9692	1873	8741	7791	C-2108	9009	9163
TOP SUB	Logan Part No.	A1048	A10485	A1049	A10495	A1050	A1051	A1052
	Bowen No.	9693	118	8742	7793	B-2106	9010	9165
BOWL	Logan Part No.	A2048	A20485	A2049	A20495	A2050	A2051	A2052
	Bowen No.	9694	1875	1641	1657	B-2109	9011	9164
STANDARD GUIDE (CUT-LIPPED)	Logan Part No.	A3048	A3049	A3049	A30495	A3050	A3051	A3052
	Bowen No.	9691	5525	5525	1493	A-2075	9007	5506

SPIRAL COMPONENT PARTS

PACKER	Logan Part No.	A4048	A4049	A4049	A40495	A4050	A4051	A4052
	Bowen No.	9689	1642	1642	1680	L-1680	9005	5508
SPIRAL GRAPPLE	Logan Part No.	A5048	A5049	A5049	A50495	A5050	A5051	A5052
	Bowen No.	9687	1644	1644	1659	B-2073	9003	5503
SPIRAL GRAPPLE CONTROL	Logan Part No.	A6048	A6049	A6049	A60495	A6050	A6051	A6052
	Bowen No.	9688	1645	1645	1660	A-2074	9004	5504

BASKET COMPONENT PARTS

BASKET GRAPPLE	Logan Part No.	A7048	A7049	A7049	A70495	A7050	A7051	A7052
	Bowen No.	9687	1644	1644	1659	B-2073	9003	5503
BASKET GRAPPLE CONTROL	Logan Part No.	A8048	A8049	A8049	A80495	A8050	A8051	A8052
	Bowen No.	9688	1645	1645	1660	A-2074	9004	5504
MILL CONTROL PACKER	Logan Part No.	A9048	A9049	A9049	A90495	A9050	A9051	A9052
	Bowen No.	9689-R	1642-R	1642-R	1680-R	L-1680-R	9005-R	5508-R

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When ordering, please specify:

- (1) Complete assembly or part number
- (2) Top Sub connection
- (3) Size and type of fish to be caught
- (4) O.D., if other than standard

Recommended Spare Parts:

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

SERIES 150 RELEASING & CIRCULATING OVERSHOTS

MAXIMUM CATCH SIZE (Spiral)		6-1/2	6-1/2	6-5/8	6-5/8	6-3/4	6-3/4	6-7/8
MAXIMUM CATCH SIZE (Basket)		5-7/8	5-3/4	6	5-7/8	6-1/8	6	6-1/4
OVERSHOT O.D.		7-5/8	8-1/8	7-3/4	8-1/4	7-7/8	8-3/8	8
TYPE		SH	FS	SH	FS	SH	FS	SH
COMPLETE ASSEMBLY	Logan Part No.	150-763-D	150-813-A	150-775-D	150-825-A	150-788-D	150-838-A	150-800-D
	Bowen No.	9860	C-5342	4785	C-3032	C-5222	275	N-8995
TOP SUB	Logan Part No.	A1053	A1054	A1055	A1056	A1057	A1058	A10587
	Bowen No.	9861	A-5343	9133	A-3033	A-5223	276	L-8996
BOWL	Logan Part No.	A2053	A2054	A2055	A2056	A2057	A2058	A20587
	Bowen No.	9862	B-3711	9134	B-3034	B-5224	277	M-8997
STANDARD GUIDE (CUT-LIPPED)	Logan Part No.	A3053	A3054	A3055	A3056	A3057	A3058	A30587
	Bowen No.	9867	A-2376	9139	A-1818	A-5229	205	L-8989

SPIRAL COMPONENT PARTS

PACKER	Logan Part No.	A4053	A4054	A4055	A4056	A4057	A4058	A40587
	Bowen No.	9865	2372	9136	A-1814	B-5225	207	L-8985
SPIRAL GRAPPLE	Logan Part No.	A5053	A5054	A5055	A5056	A5057	A5058	A50587
	Bowen No.	9863	B-2374	9137	N-84	B-5227	209	M-8987
SPIRAL GRAPPLE CONTROL	Logan Part No.	A6053	A6054	A6055	A6056	A6057	A6058	A60587
	Bowen No.	9864	B-2375	9138	M-89	A-5228	208	M-8988

BASKET COMPONENT PARTS

BASKET GRAPPLE	Logan Part No.	A7053	A7054	A7055	A7056	A7057	A7058	A70587
	Bowen No.	9863	B-2374	9137	N-84	B-5227	209	M-8987
BASKET GRAPPLE CONTROL	Logan Part No.	A8053	A8054	A8055	A8056	A8057	A8058	A80587
	Bowen No.	9864	B-2375	9138	M-89	A-5228	208	M-8988
MILL CONTROL PACKER	Logan Part No.	A9053	A9054	A9055	A9056	A9057	A9058	A90587
	Bowen No.	9865-R	L-6635-R	9136-R	A-1814-R	B-5225-R	207-R	L-8985-R

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When ordering, please specify:

- (1) Complete assembly or part number
- (2) Top Sub connection
- (3) Size and type of fish to be caught
- (4) O.D., if other than standard

Recommended Spare Parts:

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

SERIES 150 RELEASING & CIRCULATING OVERSHOTS

MAXIMUM CATCH SIZE (Spiral)		7	7	7	7	7	7-1/8	7-1/4
MAXIMUM CATCH SIZE (Basket)		6-3/8	6-3/8	6-1/4	6-3/8	6-1/4	6-1/2	6-5/8
OVERSHOT O.D.		8-1/8	8-1/8	8-1/8	8-3/8	8-5/8	8-1/4	8-3/8
TYPE		SH	SH	SH	SH	FS	SH	SH
COMPLETE ASSEMBLY	Logan Part No.	150-814-D	150-813-D	150-812-D	150-837-D	150-863-A	150-825-D	150-838-D
	Bowen No.	9815	9217	C-3263	17208	C-4817	9570	C-5354
TOP SUB	Logan Part No.	A10590	A1059	A10595	A1058	A1060	A10605	A1061
	Bowen No.	9816	9218	A-3033	276	B-4818	9544	A-5355
BOWL	Logan Part No.	A20590	A2059	A20595	A20598	A2060	A20605	A2061
	Bowen No.	9817	9219	B-3264	17209	B-3819	9571	B-5356
STANDARD GUIDE (CUT-LIPPED)	Logan Part No.	A3059	A3059	A30595	A3059	A3060	A30605	A3061
	Bowen No.	9226	9226	A-3269	9226	M-121	4792	A-5361

SPIRAL COMPONENT PARTS

PACKER	Logan Part No.	A4059	A4059	A40595	A4059	A4060	A40605	A4061
	Bowen No.	9224	L-9224	L-6310	9224	L-111	9231	B-5357
SPIRAL GRAPPLE	Logan Part No.	A5059	A5059	A50595	A5059	A5060	A50605	A5061
	Bowen No.	9222	9222	B-3267	9222	N-105	9229	B-5359
SPIRAL GRAPPLE CONTROL	Logan Part No.	A6059	A6059	A60595	A6059	A6060	A60605	A6061
	Bowen No.	9223	9223	B-3268	9223	M-131	9230	B-5360

BASKET COMPONENT PARTS

BASKET GRAPPLE	Logan Part No.	A7059	A7059	A70595	A7059	A7060	A70605	A7061
	Bowen No.	9222	9222	B-3267	9222	N-105	9229	B-5359
BASKET GRAPPLE CONTROL	Logan Part No.	A8059	A8059	A80595	A8059	A8060	A80605	A8061
	Bowen No.	9223	9223	B-3268	9223	M-131	9230	B-5360
MILL CONTROL PACKER	Logan Part No.	A9059	A9059	A90595	A9059	A9060	A90605	A9061
	Bowen No.	92240-R	9224-R	L-6310R	9224-R	L-111-R	9231-R	B-5357-R

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When ordering, please specify:

- (1) Complete assembly or part number
- (2) Top Sub connection
- (3) Size and type of fish to be caught
- (4) O.D., if other than standard

Recommended Spare Parts:

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

SERIES 150 RELEASING & CIRCULATING OVERSHOTS

MAXIMUM CATCH SIZE (Spiral)		7-1/4	7-3/8	7-3/8	7-1/2	7-1/2	7-5/8	7-5/8
MAXIMUM CATCH SIZE (Basket)		6-1/2	6-3/4	6-5/8	6-7/8	6-3/4	7	6-7/8
OVERSHOT O.D.		8-7/8	8-1/2	9	8-5/8	9-1/8	8-3/4	9-1/4
TYPE		FS	SH	FS	SH	FS	SH	FS
COMPLETE ASSEMBLY	Logan Part No.	150-888-A	150-850-D	150-900-A	150-863-D	150-913-A	150-875-D	150-762-A
	Bowen No.	C-5352	4793	C-5230	C-7101	C-7099	4796	C-5241
TOP SUB	Logan Part No.	A1062	A1063	A1064	A1065	A1066	A1067	A10675
	Bowen No.	A-5353	4794	A-5231	A-7102	A-7100	4797	A-5242
BOWL	Logan Part No.	A2062	A2063	A2064	A2065	A2066	A2067	A20675
	Bowen No.	M-1026-1	9233	B-5232	B-7103	B-4516	9239	B-5243
STANDARD GUIDE (CUT-LIPPED)	Logan Part No.	A3062	A3063	A3064	A3065	A3066	A3067	A30675
	Bowen No.	M-1029	4795	A-4158	A-7108	A-3456	4798	A-5248

SPIRAL COMPONENT PARTS

PACKER	Logan Part No.	A4062	A4063	A4064	A4065	A4066	A4067	A40675
	Bowen No.	L-1025	9237	B-4154	B-7104	L-98	9243	B-5244
SPIRAL GRAPPLE	Logan Part No.	A5062	A5063	A5064	A5065	A5066	A5067	A50675
	Bowen No.	M-1027	9235	C-4156	B-7106	B-3454	9241	B-5246
SPIRAL GRAPPLE CONTROL	Logan Part No.	A6062	A6063	A6064	A6065	A6066	A6067	A60675
	Bowen No.	M-1031	9236	B-4157	A-7107	B-3455	9242	B-5247

BASKET COMPONENT PARTS

BASKET GRAPPLE	Logan Part No.	A7062	A7063	A7064	A7065	A7066	A7067	A70675
	Bowen No.	M-1027	9235	C-4156	B-7106	B-3454	9241	B-5246
BASKET GRAPPLE CONTROL	Logan Part No.	A8062	A8063	A8064	A8065	A8066	A8067	A80675
	Bowen No.	M-1031	9236	B-4157	A-7107	B-3455	9242	B-5247
MILL CONTROL PACKER	Logan Part No.	A9062	A9063	A9064	A9065	A9066	A9067	A90675
	Bowen No.	L-1025-R	9237-R	B-4154-R	B-7104-R	M-98-RS	9243-R	B-5244-R

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Logan Coding

A = FS	Full Strength – For all pulling torsional and jarring strain
B = XFS	Extra Full Strength – For extreme abuse
C = SFS	Semi Full Strength – Maximum strength for special hole conditions
D = SH	Slim Hole – For heavy pulling strains only
E = XSH	Extra Slim Hole – For pick up jobs only

When ordering, please specify:

- (1) Complete assembly or part number
- (2) Top Sub connection
- (3) Size and type of fish to be caught
- (4) O.D., if other than standard

Recommended Spare Parts:

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

SERIES 150 RELEASING & CIRCULATING OVERSHOTS

MAXIMUM CATCH SIZE (Spiral)		7-3/4	7-3/4	7-3/4	7-3/4	8	8	8-3/8
MAXIMUM CATCH SIZE (Basket)		7-1/8	7	7	7	7-3/8	7-1/4	7-3/4
OVERSHOT O.D.		8-7/8	8-7/8	9-3/8	9-3/8	9-1/8	9-5/8	9-1/2
TYPE		SH	SH	FS	FS	SH	FS	SH
COMPLETE ASSEMBLY	Logan Part No.	150-888-D	150-889-D	150-937-A	150-938-A	150-913-D	150-963-A	150-950-D
	Bowen No.	9850	C-5257	1665	C-1500	C-5265	264	4834
TOP SUB	Logan Part No.	A1068	A1069	A10695	A1070	A1071	A1072	A1073
	Bowen No.	9851	A-5258	1666	B-1502	A-5266	265	9063
BOWL	Logan Part No.	A2068	A2069	A20695	A2070	A2071	A2072	A2073
	Bowen No.	9852	B-5259	1283	B-1501	B-5267	266	9062
STANDARD GUIDE (CUT-LIPPED)	Logan Part No.	A3068	A3069	A30695	A3070	A3071	A3072	A3073
	Bowen No.	9857	A-5264	88	M-88	A-5272	240	9059

SPIRAL COMPONENT PARTS

PACKER	Logan Part No.	A4068	A4069	A40695	A40695	A4071	A4072	A4073
	Bowen No.	9855	B-5260	98 & L-98	98 & L-98	B-5268	235	9055
SPIRAL GRAPPLE	Logan Part No.	A5068	A5069	A50695	A5070	A5071	A5072	A5073
	Bowen No.	9853	B-5262	85 & N-85	N-85	B-5270	238	9057
SPIRAL GRAPPLE CONTROL	Logan Part No.	A6068	A6069	A60695	A60695	A6071	A6072	A6073
	Bowen No.	9854	A-5263	100 & M-100	100 & M-100	B-5271	239	9058

BASKET COMPONENT PARTS

BASKET GRAPPLE	Logan Part No.	A7068	A7069	A70695	A7070	A7071	A7072	A7073
	Bowen No.	9853	B-5262	85 & N-85	N-85	B-5270	238	9057
BASKET GRAPPLE CONTROL	Logan Part No.	A8068	A8069	A80695	A80695	A8071	A8072	A8073
	Bowen No.	9854	A-5263	100 & M-100	100 & M-100	B-5271	239	9058
MILL CONTROL PACKER	Logan Part No.	A9068	A9069	A90695	A90695	A9071	A9072	A9073
	Bowen No.	9855-R	B-5260-R	98-R & L-98-R	98-R & L-98-R	B-5268-R	235-R	9055-R

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- E = XSH Extra Slim Hole – For pick up jobs only

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- (2) Top Sub connection
- (3) Size and type of fish to be caught
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Recommended Spare Parts:

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- (2) Basket: 2 Grapples, 2 Control Packers or Mill Control Packers for each size
- (3) Mill Control Packers: 3 Inner Seals and Outer Seals

SERIES 150 RELEASING & CIRCULATING OVERSHOTS

MAXIMUM CATCH SIZE (Spiral)		8-3/8	8-1/2	8-1/2	8-5/8	8-7/8	9	9-5/8
MAXIMUM CATCH SIZE (Basket)		7-5/8	7-7/8	7-3/4	7-7/8	8-1/8	8-1/4	8-7/8
OVERSHOT O.D.		10-1/16	9-5/8	10-1/8	10-1/4	10-1/2	10-5/8	11-1/4
TYPE		FS	SH	FS	SH	FS	FS	FS
COMPLETE ASSEMBLY	Logan Part No.	150-1006-A	150-963-D	150-1013-A	150-1025-D	150-1050-A	150-1063-A	150-1125-A
	Bowen No.	C-1230	C-5284	8960	C-5297	C-5305	C-5321	C-12822
TOP SUB	Logan Part No.	A1074	A1075	A1076	A1077	A1078	A1079	A1080
	Bowen No.	B-1235	A-5285	8961	A-5298	A-5306	A-5322	A-12823
BOWL	Logan Part No.	A2074	A2075	A2076	A2077	A2078	A2079	A2080
	Bowen No.	B-1231	B-5286	8962	B-5299	B-5307	B-5323	B-12824
STANDARD GUIDE (CUT-LIPPED)	Logan Part No.	A3074	A3075	A3076	A3077	A3078	A3079	A3080
	Bowen No.	B-1236	A-5291	8959	A-5304	A-5312	A-5328	A-12829

SPIRAL COMPONENT PARTS

PACKER	Logan Part No.	A4074	A4075	A4076	A4077	A4078	A4079	A4080
	Bowen No.	L-1060	B-5287	8956	B-5300	B-5308	B-5324	B-12825
SPIRAL GRAPPLE	Logan Part No.	A5074	A5075	A5076	A5077	A5078	A5079	A5080
	Bowen No.	C-1232	B-5289	8957	B-5302	B-5310	B-5326	B-12827
SPIRAL GRAPPLE CONTROL	Logan Part No.	A6074	A6075	A6076	A6077	A6078	A6079	A6080
	Bowen No.	B-1233	A-5290	8958	B-5303	B-5311	B-5327	B-12828

BASKET COMPONENT PARTS

BASKET GRAPPLE	Logan Part No.	A7074	A7075	A7076	A7077	A7078	A7079	A7080
	Bowen No.	C-1232	B-5289	8957	B-5302	B-5310	B-5326	B-12827
BASKET GRAPPLE CONTROL	Logan Part No.	A8074	A8075	A8076	A8077	A8078	A8079	A8080
	Bowen No.	B-1233	B-5290	8958	B-5303	B-5311	B-5327	B-12828
MILL CONTROL PACKER	Logan Part No.	A9074	A9075	A9076	A9077	A9078	A9079	A9080
	Bowen No.	L-1060-R	B-5287-R	8956-R	B-5300-R	B-5308-R	B-5324-R	B-12825-R

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SERIES 150 RELEASING & CIRCULATING OVERSHOTS

MAXIMUM CATCH SIZE (Spiral)		9-3/4	10-1/8	11-1/4	12	14	14-3/4	16-3/4
MAXIMUM CATCH SIZE (Basket)		9	9-3/8	10-1/2	11-1/4	13-1/4	14	16
OVERSHOT O.D.		11-3/8	11-3/4	12-3/4	13-3/4	16	16-3/4	20-1/4
TYPE		FS	FS	FS
COMPLETE ASSEMBLY	Logan Part No.	150-1138-A	150-1175-A	150-1275-A	150-1375	150-1600	150-1675	150-2075
	Bowen No.	26255	C-5329	15800	33006	68028	64553	31653
TOP SUB	Logan Part No.	A1081	A1082	A1083	A1084	A1085	A1086	A1087
	Bowen No.	26256	5330	15801	33007	68029	64554	31654
BOWL	Logan Part No.	A2081	A2082	A2083	A2084	A2085	A2086	A2087
	Bowen No.	26257	5331	15802	33008	68030	64555	31655
STANDARD GUIDE (CUT-LIPPED)	Logan Part No.	A3081	A3082	A3083	A3084	A3085	A3086	A3087
	Bowen No.	26261	5336	15806	33012	68035	64560	31660

SPIRAL COMPONENT PARTS

PACKER	Logan Part No.	A4081	A4082	A4083	A4084	A4085	A4086	A4087
	Bowen No.	26260	B-5332	15805	33011	68031	64556	31656
SPIRAL GRAPPLE	Logan Part No.	A5081	A5082	A5083	A5084	A5085	A5086	A5087
	Bowen No.	26258	5334	15803	33009	68033	64558	31658
SPIRAL GRAPPLE CONTROL	Logan Part No.	A6081	A6082	A6083	A6084	A6085	A6086	A6087
	Bowen No.	26259	5335	15804	33010	68034	64559	31659

BASKET COMPONENT PARTS

BASKET GRAPPLE	Logan Part No.	A7081	A7082	A7083	A7084	A7085	A7086	A7087
	Bowen No.	26258	5334	15803	33009	68033	64558	31658
BASKET GRAPPLE CONTROL	Logan Part No.	A8081	A8082	A8083	A8084	A8085	A8086	A8087
	Bowen No.	26259	5335	15804	33010	68034	64559	31659
MILL CONTROL PACKER	Logan Part No.	A9081	A9082	A9083	A9084	A9085	A9086	A9087
	Bowen No.	26260-R	5332-R	15805-R	33011-R	68031-R	64556-R	31656-R

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