

CALCULATED STRENGTHS LOGAN SERIES 150 OVERSHOT

All strengths listed are calculated theoretical yield points and are accurate within 20%. It should be noted, however, that all strengths assume a straight, steady pull and full grapple engagement of a round fish. Anything less than full engagement or straight pulling will reduce the listed strength substantially. This includes tong marks or other damage to the bowl surface.

BOWL NO	MAXIMUM CATCH SIZE (W/ SPIRAL GRAPPLE)	O.D. IN INCHES	LOAD CAPACITY AT YIELD POINT - LBS			MAXIMUM MAKE UP TORQUE 50% OF YIELD IN FT/ LBS	
			SPIRAL GRAPPLE	BASKET GRAPPLE		TOP SUB TO BOWL	BOWL TO GUIDE
				WITHOUT STOP	WITH STOP		
A2000 (B10201)	2 1/8	2 5/8	101,600	86,400	61,000	1,000	250
A2001 (9306)	2 3/8	3 1/8	193,500	173,200	118,000	2,600	400
A2005 (9271)	2 7/8	3 5/8	193,500	157,400	78,700	2,600	500
A20055 (37587)	3 1/16	3 3/4	217,700	221,200	179,700	2,800	500
A20056 (B1836)	3 1/8	3 7/8	155,100	144,200	98,000	2,500	700
A2010 (9107)	3 1/8	4 1/8	310,200	255,000	170,000	4,400	1,200
A20135 (21302)	3 3/8	3 7/8	102,500	97,500	66,500	3,150	1,100
A2016 (B4621)	3 1/2	4 3/8	267,400	220,700	144,300	4,600	1,200
A2019 (9111)	3 21/32	4 11/16	332,000	279,000	199,500	5,000	1,300
A 2019 (9111)	Turned to	4 5/8	303,700	254,850	182,000	4,900	1,200
A2019 (9111)	Turned to	4 9/16	274,400	231,141	165,101	4,700	1,000
A2019 (9111)	Turned to	4 1/2	247,606	207,787	148,419	4,500	1,000
A20215 (9121)	3 3/4	4 11/16	261,300	233,000	116,600	5,000	1,000
A2028 (B5164)	4 1/4	5 1/8	356,800	301,000	232,200	5,000	1,200
A20285 (4717)	4 1/4	5 1/8	312,500	264,000	196,000	5,000	1,500
A2029 (5898)	4 1/4	5 9/16	526,600	494,300	362,500	9,500	4,500
A2035 (8977)	4 3/4	5 3/4	432,900	411,600	303,275	7,600	1,700
A2035 (8977)	Turned to	5 5/8	358,978	336,957	247,100	7,500	1,500
A2035 (8977)	Turned to	5 9/16	279,125	262,000	192,100	7,300	1,200
A2037 (B7098)	4 7/8	5 3/4	360,424	N/A	N/A	5,700	1,500
A2037 (B7098)	Turned to	5.700	310,968	N/A	N/A	5,500	1,400
A2039 (B5173)	5	5 7/8	323,500	238,500	218,500	7,400	2,100
A20395 (7788)	5	6 1/8	468,000	440,000	322,000	8,100	2,700
A20402 (B11825)	5 1/8	5 3/4	135,000	115,000	71,500	5,300	1,300
A20405 (4503)	5 1/4	6 3/8	403,000	356,000	256,000	9,900	3,200
A20407 (9205)	5 3/8	6 1/2	523,000	456,000	346,500	10,100	3,300
A20407 (9205)	Turned to	6 3/8	298,700	252,000	180,000	9,900	3,200
A2041 (8617)	5 1/2	6 5/8	386,000	325,000	232,000	15,500	4,000
A2048 (9694)	6 1/4	7 3/8	450,400	427,283	327,900	12,600	3,800
A2052 (9164)	6 3/8	7 3/4	523,500	456,000	346,500	15,800	4,200
A2052 (9164)	Turned to	7 5/8	451,200	393,100	298,400	12,700	3,900
A2053 (9862)	6 1/2	7 5/8	418,200	396,700	322,900	19,600	9,000
A2055 (9134)	6 5/8	7 3/4	422,000	400,000	318,000	19,700	9,000
A2055 (9134)	Turned to	7 5/8	362,200	343,600	271,800	15,200	7,500
A2059 (9219)	7	8 1/8	453,000	429,500	329,500	23,300	9,800
A2063 (9233)	7 3/8	8 1/2	422,000	400,000	309,000	24,200	10,000
A2063 (9233)	Turned to	8 3/8	365,700	347,000	266,300	18,800	8,500
A2068 (9852)	7 3/4	8 7/8	458,000	435,000	333,000	26,100	12,300
A20695 (1283)	7 3/4	9 3/8	637,000	542,250	408,250	13,300	7,000
A2072 (266)	8	9 5/8	602,700	510,750	398,600	24,700	9,700
A2073 (9062)	8 3/8	9 1/2	422,000	402,000	309,000	29,900	9,900
A2073 (9062)	Turned to	9 3/8	275,000	260,000	N/A	22,000	8,700
A2076 (8962)	8 1/2	10 1/8	602,700	492,000	391,000	33,500	10,200
A2079 (B5323)	9	10 5/8	586,800	515,600	426,500	36,000	12,700
A2082 (5331)	10 1/8	11 3/4	616,000	528,000	435,000	50,200	14,500
A2083 (15802)	11 1/4	12 3/4	605,000	562,250	444,000	55,400	17,000
A2084 (33008)	12	13 3/4	1,022,314	745,564	N/A	80,800	22,400
A2085 (68030)	14	16	1,164,000	1,175,000	N/A	121,200	27,500