

## Series 10 Sucker Rod Overshot Calculated Strength Chart

Bowl Part Number		Grapple Maximum Catch Size (in.)		OD (in.)	Load Capacity at Yield (lbs.)			Maximum Bowl Thread Make-Up Torque (ft/lbs -- 50% of Yield)	
					Grapple Catch Size (in.)				
Logan	Bowen	Spiral	Basket		Spiral	Basket	Without Stop	Top	Bottom
B2001	17987	1-1/4	1-1/16	1-7/16	16500	Less than 1-1/16	11500	100	95
B20015	16492	1-3/8	1-3/16	1-21/32	39100	Greater than 1 up to 1-3/16	28500	235	145
						1 and less	18000		
B2002	13492	1-1/2	1-5/16	1-25/32	39500	Greater than 1 up to 1-5/16	28500	315	170
						1 and less	18000		
B2003	9991	1-1/2	1-5/16	1-29/32	83800	1-5/16 and less	38200	350	235
B2004	9342	1-5/8	1-7/16	1-29/32	39500	Greater than 1 up to 1-7/16	28500	375	225
						1 and less	18000		
B2005	9881	1-5/8	1-7/16	2-5/16	138100	Greater than 1 up to 1-7/16	93900	1750	535
						1 and less	59400		
B20051	36425	1-9/16	1-3/8	2-27/32	39500	Greater than 1 up to 1-3/8	28500	--	--
						1 and less	18000		
B20052	27767	1-13/16	1-5/8	2-9/64	55700	Greater than 1 up to 1-5/8	40100	575	175
						1 and less	25400		
B2006	11482	1-13/16	1-5/8	2-5/16	118100	Greater than 1-1/8 up to 1.660	85100	1050	445
						1-1/8 and less	53800		
B2007	16072	1-15/16	1-3/4	2-1/4	55700	Greater than 1-1/8 up to 1-3/4	40100	650	335
						1-1/8 and less	25400		
B2008	9402	2	1-13/16	2-5/16	55700	Greater than 1-1/8 up to 1-3/16	40100	740	240
						1-1/8 and less	25400		
B2009	9532	2	1-13/16	2-7/8	200400	Greater than 1-1/8 up to 1-3/16	144400	3200	1050
						1-1/8 and less	91300		
B2010	15861	2-3/8	2-3/16	2-27/32	70000	Greater than 1-1/8 up to 2-3/16	51100	1850	500
						1-1/8 and less	37700		

The information in this chart is for informational purposes. The calculated strengths are based on ideal conditions of new, undamaged equipment with proper make-up torque with linear direction and force pull on fully engaged round fish. Any conditions less than these (such as less than full grapple engagement, wrench or tong mark damage to equipment, under-torqued connections, etc.) may decrease the strength rating. Manufacturer's documentation should be referenced prior to use of any equipment.