

## RODE PERFORMANCE

	Stretch %	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
10-FT X 1.75 RODE	10-FT	11 FT	12-FT	13-FT	14-FT	15-FT	16-FT	17-FT	18-FT	19-FT	20-FT
RODE # 1	0	119	264	375	465	539	586	644	680	721	779
RODE # 2	0	86	231	340	429	501	538	595	631	673	730
AVERAGE LOAD	0	103	248	358	447	520	562	620	656	697	755
5-FT X 1.75	5-FT	5.5-FT	6-FT	6.5-FT	7-FT	7.5-FT	8-FT	8.5-FT	9-FT	9.5-FT	10-FT
AVERAGE LOAD	0	103	248	358	447	520	562	620	656	697	755
	Stretch %	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
10-FT X 1.38 RODE	10-FT	11-FT	12-FT	13-FT	14-FT	15-FT	16-FT	17-FT	18-FT	19-FT	20-FT
RODE # 1	0	65	166	244	307	359	397	436	465	494	533
RODE # 2	0	115	217	293	355	406	443	483	511	540	580
AVERAGE LOAD	0	90	191.5	268.5	331	382.5	420	459.5	488	517	556.5
5-FT X 1.38 RODE	5-FT	5.5-FT	6-FT	6.5-FT	7-FT	7.5-FT	8-FT	8.5-FT	9-FT	9.5-FT	10-FT
AVERAGE LOAD	0	90	191.5	268.5	331	382.5	420	459.5	488	517	556.5
3-FT X 1.38 RODE	3-FT	3.3-FT	3.6-FT	3.9-FT	4.2-FT	4.5-FT	4.8-FT	5.1-FT	5.4-FT	5.7-FT	6-FT
AVERAGE LOAD	0	90	191.5	268.5	331	382.5	420	459.5	488	517	556.5
10-FT X 1.75 Extendable Rodes has an average load application of 6.3-lbs/inch to 100% elongation.											
10-FT X 1.38 Extendable Rodes has an average load application of 4.6-lbs/inch to 100% elongation.											
5-FT X 1.75 Extendable Rodes has an average load application of 12.5-lbs/inch to 100% elongation.											
5-FT X 1.38 Extendable Rodes has an average load application of 9.2-lbs/inch to 100% elongation.											
3-FT X 1.38 Extendable Rodes has an average load application of 15-lbs/inch to 100% elongation.											
An estimated optimum performance set up would be to have the boat on a mooring start to load the extendable rodes at a 45-degree angle.											
The extendable rodes should be under full allowable load at close to 30-degree from horizontal.											
A good example would be a boat moored in 12-ft of water on a 10-ft rode and 5-ft spar buoy with 12-ft pendants.											



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**Superfloats EMS-C  
(Extendable Mooring System)**