

CASTING ANALYZER

CAST SUMMARY

Enter your
(000) 000-0000

Rod model: Reel model: Line: Cast: 30'

Cast Name: Mike1

	Forward Cast			Back Cast		
	YOU	EXPERT	COMMENTS	YOU	EXPERT	COMMENTS
Cast Symmetry	67	100	Needs work			
Cast Arc	64	55	Good	70	55	Needs work
Creep	0	0	Good	0	0	Good
Smoothness Ratio	3.0	5.0	Excellent	7.3	5.0	Excellent
Peak Speed	224	230	Excellent	-298	-230	Needs work
Deceleration	-870	-1900	Needs work	2496	1900	Excellent
Stop	224	30	Needs work	-15	-30	Excellent
Rod Load	-100	30	Needs work	30	30	Excellent

Symmetry **Cast Symmetry** Your Score: 67 Expert Score: 100 Result: Needs work

Your cast exhibits 67% symmetry. This is not as symmetrical as the expert's symmetry of 90% or greater. Peak rotation speed is 224 degrees/sec on the forward cast, -298 degrees/sec on the back cast. Compare your cast with the expert's.

Cast Arc **Forward Cast** Your Score: 64 Expert Score: 55 Result: Good

Your rod arc is 64 degrees, the expert's arc is 55 degrees. Your arc is slightly larger than the expert's. Try to rotate the rod just a little bit less to close the casting arc slightly.

Back Cast Your Score: 70 Expert Score: 55 Result: Needs work

Your rod arc is 70 degrees, the expert's arc is 55 degrees. Your arc is significantly wider than the expert's arc indicating you are probably casting an open loop. Rotate the rod less to close the casting arc significantly.

Creep **Forward Cast** Your Score: 0 Expert Score: 0 Result: Good

No creep detected.

Back Cast Your Score: 0 Expert Score: 0 Result: Good

No creep detected.

Smoothness Ratio **Forward Cast** Your Score: 3.0 Expert Score: 5.0 Result: Excellent

Your smoothness ratio is 3.0. The expert's smoothness ratio is 5.0. This indicates very smooth power application, usually an indication of good loops and efficient power application. Working to make your smoothness ratio even lower will yield worthwhile results. Very good.

Back Cast Your Score: 7.3 Expert Score: 5.0 Result: Excellent

Your smoothness ratio is 7.3. The expert's smoothness ratio is 5.0. This indicates very smooth power application, usually an indication of good loops and efficient power application. Working to make your smoothness ratio even lower will yield worthwhile results. Very good.

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Peak speed Forward Cast Your Score: 224 Expert Score: 230 Result: Excellent

Your forward cast peak speed is 224 degrees/sec. Well done! Peak speeds in this range are usually an indicator of good, efficient casting at moderate speed.

Back Cast Your Score: -298 Expert Score: -230 Result: Needs work

Your back cast peak speed is -298 degrees/sec and the expert's is -230 degrees/sec. Your peak is much larger than the expert's and you should decrease it substantially.

Deceleration Forward Cast Your Score: -870 Expert Score: -1900 Result: Needs work

Your deceleration rate is -870 d/s/s, the expert's deceleration rate is -1900 d/s/s. Your deceleration is relatively slow. Decelerating the rod more quickly will result in tighter loops.

Back Cast Your Score: 2496 Expert Score: 1900 Result: Excellent

Your deceleration rate is 2496 d/s/s, the expert's deceleration rate is 1900 d/s/s. Your deceleration is excellent and will help to make very good, tight loops.

Stop Forward Cast Your Score: 224 Expert Score: 30 Result: Needs work

Your stop was not very complete, reaching 224 d/s, compared to the expert's stop of 30 d/s. Relatively incomplete stops like this will result in rounded, less efficient loops. For tighter loops, stop the rod more completely.

Back Cast Your Score: -15 Expert Score: -30 Result: Excellent

Your stop was complete, reaching -15 d/s, compared to the expert's stop of -30 d/s. Good effective stop.

Rod Load Forward Cast Your Score: 100 Expert Score: 30 Result: Needs work

Your rod load ratio is -100%, compared to 30% for the expert cast. This is a low ratio and indicates a poor previous back loop. Usually the reason for the poor loop can be found by comparing the back cast rod arc, peak speed, smoothness ratio and stop data to the expert cast.

Back Cast Your Score: 30 Expert Score: 30 Result: Excellent

Your rod load ratio is 30%, compared to 30% for the expert cast. This is a good ratio and indicates a good previous forward loop. The good loop resulted in a straight line that offered good resistance to rod acceleration, causing more rod load, and resulting high load ratio.
