

# CASTING ANALYZER

CAST SUMMARY

Enter your  
(000) 000-0000

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

Cast Name: \_shr2

	Forward Cast			Back Cast		
	YOU	EXPERT	COMMENTS	YOU	EXPERT	COMMENTS
Cast Symmetry	97	100	Excellent			
Cast Arc	60	55	Excellent	60	55	Good
Creep	0	0	Good	0	0	Good
Smoothness Ratio	3.3	5.0	Excellent	15.1	5.0	Needs work
Peak Speed	209	230	Excellent	-216	-230	Excellent
Deceleration	-1536	-1900	Good	1696	1900	Excellent
Stop	41	30	Good	-58	-30	Needs work
Rod Load	38	30	Excellent	27	30	Excellent

**Symmetry**    **Cast Symmetry**    Your Score: 97    Expert Score: 100    Result: Excellent

Your cast exhibits 97% symmetry. This is very close to the expert's symmetry of 90% or greater. Symmetry this high is often a good indicator of good technique and casting efficiency. Peak rotation speed is 209 degrees/sec on the forward cast, -216 degrees/sec on the back cast.

**Cast Arc**    **Forward Cast**    Your Score: 60    Expert Score: 55    Result: Excellent

Your rod arc is 60 degrees, the expert's arc is 55 degrees. Your arc is very similar to that of the expert's arc indicating your loop is most likely good, assuming that your peak speed, smoothness, stop and rod load are also similar.

**Back Cast**    Your Score: 60    Expert Score: 55    Result: Good

Your rod arc is 60 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.

**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: 3.3    Expert Score: 5.0    Result: Excellent

Your smoothness ratio is 3.3. 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.

**Back Cast**    Your Score: 15.1    Expert Score: 5.0    Result: Needs work

Your smoothness ratio is 15.1. The expert's smoothness ratio is 5.0. This indicates abrupt power application, the kind that often causes tailing loops. High smoothness ratios indicate rod acceleration that starts too slowly, too soon, followed by hard acceleration later. Begin accelerate your rod slightly later, accelerate smoothly. Your goal is to make the curve as straight as possible.

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**Peak speed Forward Cast** Your Score: 209 Expert Score: 230 Result: Excellent

Your forward cast peak speed is 209 degrees/sec. Well done! Peak speeds in this range are usually an indicator of good, efficient casting at moderate speed.

**Back Cast** Your Score: -216 Expert Score: -230 Result: Excellent

Your back cast peak speed is -216 degrees/sec. Well done! Peak speeds in this range are usually an indicator of good, efficient casting at moderate speed.

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**Deceleration Forward Cast** Your Score: -1536 Expert Score: -1900 Result: Good

Your deceleration rate is -1536 d/s/s, the expert's deceleration rate is -1900 d/s/s. Your deceleration is moderate. Decelerating the rod more quickly will result in tighter loops.

**Back Cast** Your Score: 1696 Expert Score: 1900 Result: Excellent

Your deceleration rate is 1696 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.

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**Stop Forward Cast** Your Score: 41 Expert Score: 30 Result: Good

Your stop was fairly complete, reaching 41 d/s, compared to the expert's stop of 30 d/s or less. This is a very functional stop, but for tighter loops, stop the rod more completely.

**Back Cast** Your Score: -58 Expert Score: -30 Result: Needs work

Your stop was not very complete, reaching -58 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.

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**Rod Load Forward Cast** Your Score: 38 Expert Score: 30 Result: Excellent

Your rod load ratio is 38%, compared to 30% for the expert cast. This is a good ratio and indicates a good previous back 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.

**Back Cast** Your Score: 27 Expert Score: 30 Result: Excellent

Your rod load ratio is 27%, 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.

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