

# 2018 8-weight Reel Shootout Drag Data

Name	Price	Number of turns (drag)	Drag Hard Stop? (Min/Max)	Max Drag Strength (lbs)	Usable Drag Strength (lbs)	Average at half drag	Half Drag % of Max	Minimum Drag	Startup Inertia	Startup Inertia %	Drag Sealed ?
3-Tand TF-70	\$210	2.5	Yes/No	3.89	2.13	0.18	5%	0.08	0.16	4%	Yes
3-Tand TX-80	\$325	3.5	Yes/No	12.41	7.83	0.55	4%	0.09	Negligible	0%	Yes
3-Tand V-80	\$430	3.5	Yes/No	7.39	4.85	0.33	4%	0.05	0.10	1%	Yes
Abel SDS 7/8	\$895	2.3	Yes/No	<b>25.22</b>	10.67	2.52	10%	0.16	Negligible	0%	Yes
Abel Super 7/8	\$795	3.0	No/Yes	6.48	2.29	0.53	8%	0.06	<b>1.09</b>	17%	No
Bauer RX5	\$625	2.1	Yes/No	10.13	3.91	1.45	14%	0.19	Negligible	0%	Yes
Cheeky Boost 400	\$229	2.0	Yes/No	3.76	1.67	0.42	11%	<b>0.01</b>	0.16	4%	Yes
Einarsson 8Plus	\$698	1.6	Yes/No	4.30	2.19	0.82	19%	0.15	1.00	<b>23%</b>	Yes
Einarsson Invictus 8/10	<b>\$1,049</b>	3.0	Yes/Yes	9.23	9.23	3.36	36%	0.11	<b>0.00</b>	<b>0%</b>	Yes
Galvan Grip 8	\$535	2.8	Yes/No	10.59	5.35	1.90	18%	0.06	Negligible	0%	Yes
Hardy Fortuna XDS 6000	\$799	1.0	Yes/Yes	22.36	<b>22.36</b>	2.55	11%	0.16	Negligible	0%	Yes
Hardy SDSL 6000	\$399	1.0	Yes/Yes	10.05	10.05	0.92	9%	0.16	0.89	9%	Yes
Hardy Ultralite MTX 7000	\$499	0.8	Yes/No	4.43	1.50	0.57	13%	0.08	0.20	5%	No
Hatch Gen 2 Finatic 7 Plus	\$650	2.5	Yes/Yes	5.49	5.49	2.40	44%	0.26	Negligible	0%	Yes
Islander LX 3.8	\$649	3.0	No/Yes	4.56	4.25	2.15	47%	0.07	0.20	4%	No
Lamson Litespeed Micra 5 3.5	\$399	2.2	Yes/Yes	6.61	3.51	1.37	21%	0.10	Negligible	0%	Yes
Loop Evotec HD 8ten	\$545	0.8	Yes/Yes	4.44	3.28	2.75	62%	0.99	Negligible	0%	Yes
Loop Opti Speedrunner	\$705	0.8	Yes/Yes	4.43	2.48	1.89	43%	0.68	0.32	7%	Yes
Loop Opti Strike	\$705	0.8	Yes/Yes	5.94	3.50	2.52	42%	1.21	Negligible	0%	Yes
Nautilus CCF X2 6/8	\$435	5.0	Yes/No	10.75	4.84	1.43	13%	0.05	0.63	6%	Yes
Nautilus CCF X2 8/10	\$525	6.0	Yes/No	15.68	7.91	1.46	9%	0.06	Negligible	0%	Yes
Nautilus NV-G 7/8	\$645	2.3	Yes/No	10.89	6.06	0.65	6%	0.21	Negligible	0%	Yes
Nautilus NV-G 8/9	\$670	2.0	Yes/No	8.53	5.62	0.70	8%	0.18	Negligible	0%	Yes
Nautilus XL Max	\$345	3.3	Yes/No	6.29	2.28	0.64	10%	0.05	1.06	17%	Yes
Orvis Hydros SL IV	\$239	3.5	Yes/No	14.12	12.63	6.72	<b>48%</b>	0.19	Negligible	0%	Yes
Orvis Mirage USA IV	\$650	0.9	Yes/Yes	10.30	10.30	1.46	14%	<b>0.29</b>	Negligible	0%	Yes
Redington Behemoth 9/10	<b>\$129</b>	2.5	Yes/No	16.70	9.31	1.53	9%	0.02	0.20	1%	Yes
Ross Evolution R Salt 7/8	\$595	2.5	Yes/No	23.43	11.15	1.64	7%	0.15	Negligible	0%	Yes
Ross Evolution R Salt 9/10	\$695	2.5	Yes/No	21.34	9.98	1.66	8%	0.12	Negligible	0%	Yes
Sage 2280	\$149	1.0	Yes/Yes	3.59	3.59	1.21	34%	0.10	Negligible	0%	Yes
Sage Spectrum 7/8	\$299	1.0	Yes/Yes	<b>2.65</b>	2.65	0.52	20%	0.09	Negligible	0%	Yes
Sage Spectrum LT 7/8	\$349	1.0	Yes/Yes	3.26	3.26	0.83	25%	0.13	Negligible	0%	Yes
Sage Spectrum Max 7/8	\$499	1.0	Yes/Yes	3.60	3.60	0.91	25%	0.14	0.22	6%	Yes
Taylor Array 8/9/10	\$300	2.8	Yes/Yes	4.17	1.85	<b>0.08</b>	<b>2%</b>	0.05	Negligible	0%	Yes
Taylor Enigma ESD 6-8	\$189	2.0	Yes/Yes	3.65	<b>1.00</b>	0.27	7%	0.05	0.15	4%	Yes
Taylor Revolution 7-9wt	\$380	1.6	Yes/No	9.99	6.56	1.32	13%	0.28	Negligible	0%	Yes
Waterworks Force F3 SL II	\$550	2.0	Yes/Yes	4.13	4.13	1.34	32%	0.11	<i>Negligible*</i>	<i>0%</i>	Yes
Averages	\$508	2.2		9.05	5.76	1.45	0.19	0.19		0.03	
Min	\$129	0.8		2.65	1.00	0.08	0.02	0.01		0.00	
1rd Quartile	\$399	1.3		4.30	2.65	0.64	0.08	0.06		0.00	
3rd Quartile	\$684	3.0		10.75	7.91	1.89	0.25	0.18		0.04	
Max	\$1,049	6.0		25.22	22.36	6.72	0.62	1.21		0.23	
Standard Deviation	\$222	1.3		6.16	4.26	1.21	0.15	0.25		0.05	

## 2018 8-weight Reel Shootout Data (cont'd)

Name	Price	Arbor Size (in)	Retrieval Rate (in)	Retrieval Rate at Max Backing	Turns for 100'	Max Spool Diameter (in)	Spool Width (in)	Estimated Volume (cu. in.)	Estimated Backing Capacity with WF8F SA Bonefish	Estimated Backing Capacity with WF8F Tropical Punch	Advertised Weight (oz)	Actual Weight (oz)	Warranty Cost	Country of Manufacture
3-Tand TF-70	\$210	1.81	7.80	7.80	153.91	3.50	0.97	6.87	276	161	4.6	4.8	\$0	China
3-Tand TX-80	\$325	2.24	8.74	9.24	137.25	3.94	1.03	8.53	412	297	7.6	7.7	\$0	China
3-Tand V-80	\$430	2.63	9.72	10.88	123.45	4.38	1.05	10.08	538	424	7.7	7.8	\$0	China
Abel SDS 7/8	\$895	2.50	9.38	8.97	127.88	3.56	1.04	5.25	143	28	9.1	8.9	\$20	USA
Abel Super 7/8	\$795	2.38	9.27	8.86	129.40	3.62	0.91	5.34	150	36	6.7	6.8	\$20	USA
Bauer RX5	\$625	2.19	8.54	8.54	140.47	3.63	1.08	7.08	293	179	7.8	7.7	\$18	USA
Cheeky Boost 400	\$229	2.60	9.59	9.59	125.16	3.79	1.09	6.48	244	130	7.0	7.0	\$0	China
Einarsson 8Plus	\$698	2.52	9.21	9.46	130.26	3.84	1.24	8.17	382	268	7.9	8.0	Varies	Iceland
Einarsson Invictus 8/10	\$1,049	2.11	8.12	9.11	147.70	3.78	1.26	9.71	508	394	9.6	10.0	Varies	Iceland
Galvan Grip 8	\$535	2.35	8.76	8.76	137.02	3.61	1.24	7.36	316	201	7.8	8.3	\$0	USA
Hardy Fortuna XDS 6000	\$799	2.04	8.27	8.27	145.02	3.70	1.01	7.55	332	217	8.6	8.8	\$35	Korea
Hardy SDSL 6000	\$399	2.34	8.89	8.89	134.99	3.72	1.10	7.20	303	189	8.6	8.9	\$35	Korea
Hardy Ultralite MTX 7000	\$499	2.73	10.26	10.26	116.96	4.04	0.87	6.07	210	96	5.9	5.8	\$35	Korea
Hatch Gen 2 Finatic 7 Plus	\$650	2.46	9.22	9.22	130.15	3.76	1.10	6.97	284	169	8.4	8.6	\$0	USA
Islander LX 3.8	\$649	1.95	8.27	7.93	145.13	3.41	0.90	5.51	164	50	7.8	8.0	\$0	Canada
Lamson Litespeed Micra 5 3.5	\$399	2.18	8.41	9.22	142.75	3.86	1.15	9.23	469	355	5.7	5.9	\$30	USA
Loop Evotec HD 8ten	\$545	2.76	9.75	10.32	123.11	4.01	1.38	9.17	464	350	8.7	9.7	\$30	Korea
Loop Opti Speedrunner	\$705	3.38	11.88	12.06	101.02	4.88	0.96	8.02	370	255	9.1	9.1	\$30	Korea
Loop Opti Strike	\$705	2.07	8.06	9.76	148.90	4.25	1.23	11.28	637	522	9.4	9.2	\$30	Korea
Nautilus CCF X2 6/8	\$435	2.50	9.44	9.31	127.06	3.68	1.00	5.72	182	67	7.6	7.9	\$45	USA
Nautilus CCF X2 8/10	\$525	2.65	9.86	10.02	121.76	4.15	0.99	7.94	363	249	8.6	9.3	\$45	USA
Nautilus NV-G 7/8	\$645	2.50	9.34	9.34	128.44	3.67	1.08	6.12	214	100	6.6	7.9	\$45	USA
Nautilus NV-G 8/9	\$670	2.70	9.84	9.84	122.00	3.91	1.12	6.97	284	169	7.2	8.4	\$45	USA
Nautilus XL Max	\$345	2.09	8.45	8.45	142.08	3.70	0.98	7.17	300	185	4.7	4.8	\$45	USA
Orvis Hydros SL IV	\$239	2.76	10.19	10.19	117.75	3.94	0.96	5.97	202	88	7.4	7.7	\$30	China
Orvis Mirage USA IV	\$650	2.74	9.94	9.94	120.69	3.92	1.12	6.91	279	164	8.9	9.1	\$30	USA
Redington Behemoth 9/10	\$129	2.15	9.00	9.00	133.33	4.10	1.45	7.66	340	226	10.8	10.8	\$15	Korea
Ross Evolution R Salt 7/8	\$595	2.63	9.67	9.67	124.04	3.78	1.09	6.32	230	116	7.5	7.6	\$30	USA
Ross Evolution R Salt 9/10	\$695	2.74	9.87	10.35	121.56	4.12	1.18	8.74	429	314	8.0	8.2	\$30	USA
Sage 2280	\$149	2.25	8.74	8.74	137.37	3.70	1.05	7.11	296	181	6.6	6.4	\$40	Korea
Sage Spectrum 7/8	\$299	2.25	8.79	8.79	136.51	3.74	1.02	7.11	295	181	6.4	6.6	\$40	Korea
Sage Spectrum LT 7/8	\$349	2.25	8.76	8.76	136.95	3.74	1.03	7.20	303	188	6.0	6.1	\$40	Korea
Sage Spectrum Max 7/8	\$499	2.38	9.01	9.01	133.21	3.79	1.09	7.44	322	207	7.5	7.7	\$40	Korea
Taylor Array 8/9/10	\$300	2.24	8.64	8.89	138.91	3.79	1.11	8.10	376	262	7.0	7.1	\$50	Korea
Taylor Enigma ESD 6-8	\$189	2.21	8.82	8.82	136.11	3.86	0.94	6.44	241	126	5.6	5.5	\$50	Korea
Taylor Revolution 7-9wt	\$380	2.68	9.81	9.97	122.38	4.06	1.09	7.97	366	251	7.0	7.6	\$50	Korea
Waterworks Force F3 SL II	\$550	2.69	9.64	10.18	124.47	4.01	1.29	8.96	447	332	3.7	3.8	\$30	USA
Averages	\$508	2.4	9.2	9.4	131.5	3.9	1.1	7.5	323	209	7.4	7.6		
Min	\$129	1.8	7.8	7.8	101.0	3.4	0.9	5.2	143	28	3.7	3.8		
1rd Quartile	\$399	2.2	8.7	8.8	123.4	3.7	1.0	6.5	244	130	6.6	6.8		
3rd Quartile	\$684	2.6	9.7	9.9	141.3	4.0	1.1	8.1	376	261	8.7	9.0		
Max	\$1,049	3.4	11.9	12.1	153.9	4.9	1.4	11.3	637	522	10.8	10.8		
Standard Deviation	\$222	0.3	0.8	0.8	10.7	0.3	0.1	1.4	111	111	1.5	1.5		