

**2004**  
**Shaft Fitting**  
**Addendum**

**Chapter 2**  
**Current Shaft Data**

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<b>ACCUFLEX</b>
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Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>200 Series Wood Shaft</b>																			
S	82.6	.334	.606	23.50	21.81	11.54	330.7	203.1	51.0	76.6	268	46	26	1.8	5.75	5.95	44"-M2	88	113
<b>200 Series Iron Shaft</b>																			
R	76.2	.373	.602	19.44	17.88	8.02	381.8	260.5	51.0	70.3	283	71	50	1.4	4.39	4.65	38"	61	72
<b>Assassin II World Champ Wood Shaft</b>																			
S	65.9	.338	.600	23.63	22.44	11.32	310.2	196.8	51.0	62.4	244	36	17	2.1	5.43	5.55	45"-BB	84	95
<b>Icon v.2 Wood Shaft</b>																			
S	70.3	.338	.600	23.06	22.19	11.47	312.3	193.4	51.0	67.9	252	39	19	2.1	4.65	4.76	45"-BB	90	104
<b>Icon v.2 Iron Shaft</b>																			
R	75.2	.370	.602	19.44	17.88	7.98	381.1	260.5	51.0	69.6	278	68	50	1.4	4.41	4.62	38"	60	70
<b>Icon v.3 Wood Shaft</b>																			
R	66.3	.337	.602	23.38	22.94	11.49	312.7	197.1	51.0	64.6	240	33	15	2.2	5.43	5.54	45"-BB	83	86
<b>Icon Lite Wood Shaft</b>																			
S	42.7	.337	.577	22.75	21.75	10.24	294.1	201.9	51.0	41.2	226	28	14	2.0	5.94	5.96	45"-BB	77	76
<b>Pro Wood Shaft</b>																			
R	66.7	.337	.599	22.88	22.63	11.40	311.4	195.0	50.6	65.8	249	35	19	1.8	5.31	5.33	45"-BB	86	97
<b>Vizion Wood Shaft</b>																			
R	55.7	.334	.591	23.00	22.00	10.71	300.9	196.9	50.6	53.4	238	29	8	3.6	4.95	5.04	45"-BB	84	67

<b>ADVANCED CARBON DESIGN</b>
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<b>UL Series Wood Shafts</b>																			
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A-	67.3	.332	.583	24.44	22.69	11.38	310.9	198.2	50.6	62.1	225	28	7	4.0	5.56	5.80	45"-M2	77	60
A	70.0	.337	.584	24.25	22.44	11.56	313.7	198.4	50.6	64.7	229	32	7	4.6	5.41	5.76	45"-M2	79	67
A+	67.8	.333	.586	24.50	22.94	11.40	311.3	198.2	50.6	62.5	235	32	7	4.6	5.19	5.84	45"-M2	82	67
R-	72.6	.337	.594	24.31	22.25	11.66	315.4	198.4	50.6	66.4	243	37	9	4.1	4.39	4.52	45"-M2	87	79
R	71.8	.337	.596	24.69	22.81	11.71	316.4	199.8	50.6	66.0	247	38	12	3.2	4.07	4.45	45"-M2	90	86
R+	72.7	.338	.594	24.44	22.63	11.75	316.9	199.0	50.6	67.3	253	40	13	3.1	3.80	4.37	45"-M2	94	91

**ADVANCED CARBON DESIGN**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>UL Series Wood Shafts (continued)</b>																			
S-	68.8	.333	.595	25.63	23.75	11.50	313.1	200.5	50.6	62.0	243	38	8	4.8	3.51	3.60	45"-M2	91	79
S	70.9	.337	.601	25.63	23.69	11.71	316.4	200.7	50.6	65.1	250	41	8	5.1	3.32	3.56	45"-M2	95	84
S+	68.1	.333	.594	25.63	23.81	11.61	314.7	200.5	50.6	63.6	256	42	10	4.2	3.19	3.63	45"-M2	98	90
<b>LW Series Wood Shafts</b>																			
A-	81.2	.331	.585	24.81	22.50	11.41	328.3	204.7	50.6	73.0	226	33	8	4.1	5.61	5.82	44"-M2	75	65
A	81.7	.334	.581	24.50	22.13	11.49	329.6	205.5	50.6	73.5	229	35	10	3.5	5.23	5.76	44"-M2	77	71
A+	81.8	.332	.586	24.69	22.44	11.46	329.1	204.0	50.6	74.5	236	35	11	3.2	5.07	5.72	44"-M2	80	73
R-	82.7	.333	.600	25.13	22.81	11.51	329.9	204.9	50.6	74.4	237	37	10	3.7	4.85	5.00	44"-M2	81	74
R	83.4	.335	.598	24.88	22.56	11.60	331.8	206.1	50.6	75.1	241	39	10	3.9	4.51	4.95	44"-M2	83	77
R+	82.9	.333	.600	25.00	22.75	11.57	331.0	204.9	50.6	75.5	245	38	10	3.8	4.36	5.02	44"-M2	85	76
S-	83.3	.332	.604	25.38	23.00	11.51	330.1	205.5	50.6	74.0	245	40	11	3.6	3.66	3.77	44"-M2	88	80
S	85.3	.337	.605	25.25	22.81	11.63	332.3	204.9	50.6	76.8	251	41	11	3.7	3.41	3.80	44"-M2	92	82
S+	82.3	.333	.605	25.38	23.13	11.54	330.7	505.5	50.6	74.6	259	44	11	4.0	3.27	3.79	44"-M2	95	87
<b>LW Series Iron Shafts</b>																			
A-	85.2	.369	.592	22.31	19.56	8.58	383.2	258.5	50.6	74.1	260	60	39	1.5	3.81	4.20	38.5"	59	62
A	83.9	.368	.592	22.25	19.56	8.47	380.6	256.9	50.6	73.1	270	67	42	1.6	3.72	4.35	38.5"	61	68
A+	84.1	.368	.592	22.25	19.69	8.54	382.5	258.3	50.6	73.6	275	68	41	1.7	3.46	4.33	38.5"	63	68
R-	89.9	.371	.602	22.44	19.75	8.73	386.9	258.2	50.6	78.1	272	65	34	1.9	2.91	3.26	38.5"	65	62
R	88.6	.368	.602	22.44	19.84	8.67	385.6	257.3	50.6	77.7	284	70	37	1.9	2.76	3.26	38.5"	69	67
R+	89.0	.368	.598	22.50	19.81	8.73	387.0	258.0	50.6	78.4	291	73	35	2.1	2.63	3.21	38.5"	71	67
S-	90.0	.370	.600	22.31	19.69	8.75	387.5	258.0	50.6	78.9	289	74	37	2.0	2.35	2.64	38.5"	72	69
S	88.5	.369	.600	22.50	19.81	8.65	385.0	257.1	50.6	77.3	298	77	38	2.0	2.27	2.68	38.5"	75	72
S+	91.0	.372	.601	22.50	19.88	8.80	388.8	258.2	50.6	80.0	305	83	40	2.1	2.09	2.60	38.5"	78	77

**ALDILA**

<b>Excellerator 47" A&amp;L Wood Shaft</b>																			
L	73.5	.333	.589	23.63	20.94	9.91	306.8	199.8	41.9	65.1	236	36	13	2.8	5.81	6.13	43"-M2	75	70
A	76.9	.345	.590	23.50	21.38	11.13	323.5	203.2	50.6	69.7	236	36	13	2.8	5.41	6.23	44"-M2	79	77

**ALDILA continued**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Excelerator 47" R&amp;S Wood Shaft</b>																			
R	81.8	.348	.602	24.19	21.94	11.41	328.4	203.9	50.6	73.9	233	35	11	3.2	5.86	6.09	44"-M2	76	73
S	77.7	.332	.601	24.25	22.13	11.22	324.8	203.8	50.6	70.4	251	43	13	3.3	5.38	6.24	44"-M2	84	88
<b>Excelerator 42" A&amp;L Iron Shaft</b>																			
L	78.2	.367	.586	20.50	17.69	7.30	361.6	252.5	41.9	67.2	262	63	43	1.5	4.24	4.97	37.5"	56	60
A	78.5	.378	.583	20.56	18.19	8.19	374.3	255.5	50.6	68.2	259	59	36	1.6	3.90	4.87	38.5"	58	59
<b>Excelerator 42" R&amp;S Iron Shaft</b>																			
R	87.2	.382	.608	21.56	19.00	8.58	382.3	256.4	50.6	76.2	283	70	40	1.8	4.01	4.59	38.5"	63	68
S	84.6	.367	.605	21.63	19.25	8.53	382.1	256.8	50.6	74.7	303	77	41	1.9	3.66	4.61	38.5"	69	73
<b>Excelerator 60 Wood Shafts</b>																			
L	63.2	.333	.588	23.94	22.44	10.22	295.9	195.2	41.7	59.0	234	30	11	2.7	5.56	5.74	44"-BB	77	69
A	64.4	.332	.599	23.31	22.44	11.25	308.9	196.5	50.6	61.8	238	34	12	2.8	6.11	6.26	45"-BB	80	83
R	65.3	.332	.597	24.38	23.38	11.41	311.7	198.7	50.6	62.4	244	37	13	2.9	5.45	5.61	45"-BB	84	90
S	67.4	.334	.608	25.38	24.38	11.71	315.1	200.3	50.6	64.2	252	40	11	3.6	5.63	5.74	45"-BB	86	92
<b>HM-40 Tour Gold Wood Shafts</b>																			
R	93.3	.332	.610	25.38	23.44	12.14	341.6	206.3	50.6	84.7	255	43	13	3.3	3.34	3.41	44"-M2	93	88
S	96.1	.335	.616	25.56	23.69	12.24	343.7	205.9	50.6	87.2	268	47	17	2.8	3.30	3.40	44"-M2	98	101
<b>HM-2000 Tour 65 Wood Shafts</b>																			
R	63.6	.333	.604	23.19	22.09	11.16	307.5	196.6	50.2	60.7	249	35	15	2.3	4.15	4.15	45"-BB	91	90
S	63.9	.334	.606	23.19	22.13	11.16	307.7	196.5	50.2	61.0	255	37	17	2.2	4.04	4.14	45"-BB	93	97
<b>HM-2000 Tour 65 – 350 Wood Shaft</b>																			
S	67.0	.347	.601	22.69	21.41	11.29	309.5	195.9	50.2	63.4	256	39	23	1.7	3.92	4.04	45"-M2	94	107
<b>HM-2000 Tour 85 Wood Shafts</b>																			
R	83.7	.335	.597	24.31	22.69	11.43	328.6	200.8	50.2	77.6	248	39	15	2.6	3.62	3.71	44"-BB	89	89
S	86.9	.333	.599	24.41	22.88	11.60	331.7	200.6	50.2	80.9	263	44	19	2.3	3.54	3.64	44"-BB	95	104
<b>HM-2000 Tour 85 – 350 Wood Shaft</b>																			
S	88.5	.349	.596	23.94	22.13	11.71	333.7	201.9	50.2	81.6	265	46	26	1.8	3.39	3.50	44"-M2	97	114
<b>Longwood Wood Shaft (D-5)</b>																			
Std.	70.1	.334	.609	27.00	24.31	12.09	301.5	189.3	50.0	62.2	230	31	12	2.6	5.51	5.71	47"-M2	85	87

**ALDILA continued**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Longwood Tour Wood Shaft (D-3.5)</b>																			
Tour	69.4	.331	.599	27.00	24.50	12.32	301.1	189.3	50.0	61.8	244	37	14	2.6	5.15	5.23	47"-M2	91	103
<b>Longwood 50/50 Wood Shafts (D-3)</b>																			
R	53.3	.333	.590	25.88	23.56	11.53	287.7	189.3	50.0	48.4	247				6.16	6.44	47"-M2	89	
S	57.9	.335	.595	26.25	23.94	11.85	292.0	189.3	50.0	52.7	261				5.89	6.19	47"-M2	95	
X	60.4	.335	.602	26.44	24.00	11.89	293.7	189.3	50.0	54.4	265	37	16	2.3	5.98	6.34	47"-M2	96	107
<b>Aldila NV 65 Wood Shaft</b>																			
R	66.0	.333	.618	23.63	22.69	11.32	310.1	196.1	50.9	63.1	239	32	14	2.3	3.94	4.04	45"-BB	88	83
S	67.8	.332	.625	23.69	22.69	11.40	311.3	195.7	50.9	64.7	260	41	17	2.4	3.94	4.03	45"-BB	96	104
X	69.3	.335	.625	23.75	23.75	11.47	312.4	195.5	50.6	66.3	275	46	22	2.1	3.98	4.03	45"-BB	101	122
<b>Aldila NV 75 Wood Shaft</b>																			
S	77.5	.332	.623	23.81	22.72	11.80	317.9	193.2	50.9	73.8	258	40	18	2.2	3.44	3.51	45"-BB	98	104
X	80.1	.335	.625	23.84	22.50	12.07	322.8	196.7	50.6	75.5	273	44	26	1.7	3.30	3.42	45"-M2	104	115
<b>One (65 gram, Low Launch) Wood Shaft</b>																			
R	67.6	.332	.594	22.44	20.69	10.70	316.0	202.8	50.6	62.6	253	42	29	1.5	3.50	3.71	44"-M2	92	112
S	67.3	.333	.599	22.50	20.69	10.68	315.7	202.8	50.6	62.3	262	44	30	1.5	3.50	3.70	44"-M2	95	117
<b>One (65 gram, Mid Launch) Wood Shaft</b>																			
R	65.1	.334	.596	22.69	20.81	10.57	314.1	203.7	50.6	59.8	246	38	18	2.1	3.98	4.17	44"-M2	87	88
S	63.9	.334	.595	22.69	20.88	10.54	313.6	204.0	50.6	59.0	255	41	19	2.2	4.21	4.39	44"-M2	89	95
<b>One (65 gram, High Launch) Wood Shaft</b>																			
R	66.3	.332	.594	22.50	20.75	10.63	315.1	202.9	50.6	61.6	244	38	11	3.5	4.43	4.58	44"-M2	85	77
S	66.7	.333	.599	22.63	20.81	10.63	315.1	202.9	50.6	61.6	252	41	13	3.2	4.48	4.73	44"-M2	87	85
<b>One (85 gram, Low Launch) Wood Shaft</b>																			
R	87.6	.333	.598	23.56	21.88	11.68	333.1	201.2	50.6	81.3	250	41	27	1.5	2.65	2.76	44"-M2	96	107
S	81.8	.332	.595	23.38	21.69	11.38	327.8	201.5	50.6	75.7	259	43	27	1.6	2.69	2.74	44"-M2	99	110
<b>One (85 gram, Mid Launch) Wood Shaft</b>																			
R	85.7	.332	.598	23.75	22.13	11.62	332.1	202.2	50.6	79.3	243	38	19	2.0	3.17	3.30	44"-M2	90	90
S	82.6	.333	.596	23.38	21.75	11.41	328.4	201.3	50.6	76.5	262	47	19	2.5	3.11	3.26	44"-M2	97	104

**ALDILA continued**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>One (85 gram, High Launch) Wood Shaft</b>																			
R	86.3	.333	.601	23.69	22.06	11.61	331.9	201.4	50.6	79.9	240	35	13	2.7	3.31	3.43	44"-M2	88	76
S	83.0	.333	.595	23.38	21.75	11.44	328.9	201.1	50.6	77.2	254	43	14	3.1	3.35	3.47	44"-M2	93	90
<b>Tour Gold 65 – ST Wood Shafts (formerly HM-40 Tour Gold UL)</b>																			
R	66.0	.333	.604	25.31	24.31	11.52	313.4	200.0	50.6	62.8	245	33	12	2.8	4.18	4.24	45"-BB	89	81
S	66.5	.333	.604	25.31	24.31	11.56	313.8	200.0	50.6	63.2	260	41	12	3.4	4.25	4.32	45"-BB	94	95
<b>Tour Gold 80-B Wood Shafts</b>																			
R	78.9	.333	.624	25.56	23.56	11.44	328.9	206.6	50.6	71.7	254	43	12	3.6	3.76	3.83	44"-M2	91	87
S	82.3	.336	.620	25.44	23.50	11.68	333.1	207.4	50.6	75.1	266	49	15	3.3	3.72	3.83	44"-M2	95	101
<b>Tour Gold 80-T Wood Shafts</b>																			
R	83.7	.332	.620	25.19	23.38	11.65	332.6	205.6	50.6	76.4	240	37	15	2.5	2.87	2.95	44"-M2	91	82
S	89.9	.337	.615	25.13	23.38	11.94	337.9	205.0	50.6	82.3	261	45	22	2.1	2.81	2.91	44"-M2	99	106
<b>V2000 Plus Wood Shafts</b>																			
R	72.8	.331	.599	22.94	21.75	11.12	323.1	203.5	50.6	69.0	232	34	11	3.1	5.83	5.98	44"-M2	76	71
S	74.3	.332	.600	23.00	21.84	11.17	324.1	203.3	50.6	70.2	249	42	14	3.0	5.64	5.75	44"-M2	82	88
<b>V2000 Plus Iron Shafts</b>																			
R	80.8	.366	.608	20.59	19.13	8.50	381.2	255.7	50.6	74.9	289	75	39	1.9	4.25	4.70	38.5"	64	71
S	80.3	.367	.605	20.56	19.16	8.48	380.9	255.7	50.6	74.6	301	81	40	2.0	3.88	4.48	38.5"	69	75
<b>VL 46" A&amp;L Combination Flex Wood Shaft</b>																			
L	78.2	.335	.584	24.63	21.38	10.09	326.8	212.9	47.1	66.8	237	36	15	2.4	6.25	6.45	42"-M2	71	65
A	77.5	.335	.585	24.69	22.25	10.71	333.8	214.7	50.0	69.1	246	35	13	2.7	5.21	6.05	43"-M2	80	69
<b>VL 41" A&amp;L Combination Flex Iron Shaft</b>																			
L	77.9	.370	.578	20.38	17.31	7.05	379.1	266.2	47.1	65.8	270	68	52	1.3	4.46	5.07	36.5"	56	61
A	78.4	.371	.584	20.38	18.00	7.59	383.7	265.6	50.0	68.1	274	70	52	1.4	4.04	5.14	37.5"	59	69
<b>VX 46" R&amp;S Combination Flex Wood Shaft</b>																			
R	86.1	.335	.595	25.00	22.31	11.03	339.6	214.1	50.0	75.5	250	43	14	3.1	6.26	6.52	43"-M2	78	82
S	85.5	.334	.595	25.00	22.44	11.08	340.6	214.1	50.0	76.5	265	51	15	3.4	5.49	6.38	43"-M2	85	94
<b>VX 41" R&amp;S Combination Flex Iron Shaft</b>																			
R	88.1	.370	.603	21.50	18.75	8.00	393.9	267.7	50.0	76.2	279	74	45	1.6	3.97	4.56	37.5"	61	67
S	88.3	.370	.603	21.50	18.94	8.06	395.3	267.7	50.0	77.6	292	80	49	1.6	3.59	4.61	37.5"	65	73

APOLLO

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Balistik Steel Wood Shaft</b>										<b>(Tip trimming: L-flex – 0”, A-flex – 1”, R-flex – 3”, S-flex – 4”)</b>									
L	137.4	.328	.599	24.25	20.44	11.62	357.4	200.1	42.0	115.3	246	44	21	2.1	2.92	3.12	42”-M2	87	83
A	138.4	.328	.601	24.25	20.88	12.58	371.8	201.6	50.6	119.6	247	42	18	2.3	2.86	3.14	43”-M2	90	86
R	140.5	.329	.598	24.25	20.94	12.66	373.4	201.4	50.6	121.4	258	46	21	2.2	2.69	3.12	43”-M2	95	96
S	139.9	.330	.599	24.25	21.00	12.66	373.5	201.7	50.6	121.2	265	46	22	2.1	2.59	3.11	43”-M2	99	97
<b>Balistik Steel Iron Shaft</b>										<b>(Tip trimming: L-flex – 1”, A-flex – 2”, R-flex – 4”, S-flex – 6”)</b>									
L	136.3	.365	.598	22.25	17.69	8.21	409.7	259.8	42.0	107.9	288	77	55	1.4	2.05	2.37	36.5”	69	67
A	136.8	.365	.598	22.28	18.13	9.08	423.4	261.5	50.6	111.3	289	76	48	1.6	2.04	2.36	37.5”	72	70
R	139.2	.365	.598	22.31	18.22	9.11	424.1	261.7	50.6	111.8	303	83	51	1.6	1.90	2.34	37.5”	76	76
S	139.7	.365	.598	22.25	18.19	9.18	426.2	261.2	50.6	114.4	316	87	54	1.6	1.77	2.31	37.5”	81	80
<b>Balistik Graphite Wood Shaft</b>																			
R	86.0	.334	.605	27.69	23.19	12.00	321.3	198.4	50.6	72.3	253	40	10	4.0	4.35	5.93	45”-M2	91	90
S	86.6	.334	.600	27.56	23.00	12.12	323.2	198.1	50.6	74.5	264	44	17	2.6	3.69	5.96	45”-M2	98	110
<b>Balistik Graphite Iron Shaft</b>																			
R	82.5	.367	.592	23.31	18.63	8.11	372.3	257.3	50.6	64.4	276	66	40	1.7	3.41	4.73	38.5”	64	66
S	85.2	.369	.593	23.38	18.75	8.21	374.4	257.5	50.6	66.3	291	75	45	1.7	2.89	4.66	38.5”	70	75
<b>Shadow 45” A&amp;L Wood Shaft</b>																			
L	123.0	.332	.575	23.84	21.44	11.57	356.3	204.7	42.0	109.6	253	46	17	2.7	3.05	3.13	42”-M2	89	81
A	124.2	.332	.575	23.88	22.06	12.61	372.2	207.1	50.6	114.5	255	46	15	3.1	2.93	3.13	43”-M2	93	87
<b>Shadow 47” R&amp;S Wood Shaft</b>																			
R	133.6	.332	.599	24.94	22.00	12.68	373.8	206.7	50.6	116.5	252	44	15	2.9	3.00	3.14	43”-M2	91	84
S	135.3	.333	.599	24.88	21.94	12.75	375.5	205.5	50.6	119.4	264	51	17	3.0	2.76	3.08	43”-M2	97	97
<b>Shadow 40” A&amp;L Iron Shaft</b>																			
L	109.6	.366	.575	21.00	18.38	8.02	404.4	266.8	42.0	95.6	283	78	44	1.8	2.25	2.53	36.5”	67	62
A	110.4	.367	.575	21.00	18.88	8.89	417.5	267.0	50.6	99.9	288	66	41	1.6	2.17	2.49	37.5”	71	61
<b>Shadow 42” R&amp;S Iron Shaft</b>																			
R	131.0	.367	.603	22.00	18.81	9.23	427.6	265.3	50.6	111.7	324	90	52	1.7	1.75	2.02	37.5”	83	80
S	130.0	.368	.601	21.94	18.81	9.24	427.8	265.1	50.6	112.1	335	97	55	1.8	1.62	2.01	37.5”	87	86

**APOLLO continued**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Spectre Lite 45" A&amp;L Wood Shaft</b>																			
L	105.4	.332	.578	23.69	21.44	10.98	343.9	207.5	41.8	94.6	230	38	14	2.7	3.40	3.54	42"-M2	78	67
A	108.2	.332	.579	23.63	21.94	12.04	359.7	208.9	50.6	100.2	234	40	14	2.9	3.27	3.48	43"-M2	83	77
<b>Spectre Lite 47" R&amp;S Wood Shaft</b>																			
R	115.9	.332	.602	24.69	21.94	12.09	361.0	208.6	50.6	101.8	233	38	14	2.7	3.26	3.40	43"-M2	83	74
S	114.8	.332	.599	24.88	21.91	12.09	360.9	208.2	50.6	102.1	243	42	15	2.8	3.07	3.43	43"-M2	87	82
<b>Spectre Lite 40" A&amp;L Iron Shaft</b>																			
L	94.9	.367	.578	20.94	18.19	7.58	392.4	267.9	42.0	82.5	269	67	44	1.5	2.40	2.68	36.5"	63	57
A	94.2	.367	.580	21.00	18.94	8.44	405.1	269.1	50.6	85.4	270	68	38	1.8	2.38	2.71	37.5"	65	60
<b>Spectre Lite 42" R&amp;S Iron Shaft</b>																			
R	104.0	.368	.600	21.94	18.75	8.54	408.0	268.5	50.6	88.9	257	62	38	1.6	2.50	2.77	37.5"	61	57
S	104.3	.368	.600	22.06	18.88	8.56	408.6	268.1	50.6	89.9	271	68	41	1.7	2.32	2.78	37.5"	66	62
<b>Standard Stepped Steel 45" A&amp;L Wood Shaft</b>																			
L	129.1	.335	.576	23.63	21.19	11.71	359.6	202.7	41.8	115.1	243	46	21	2.2	2.86	3.02	42"-M2	86	86
A	128.9	.335	.578	23.75	21.88	12.73	375.2	204.9	50.6	119.7	249	46	20	2.3	2.80	3.02	43"-M2	91	94
<b>Standard Stepped Steel 46" R&amp;S Wood Shaft</b>																			
R	134.1	.332	.598	24.50	22.13	12.78	376.2	205.4	50.6	120.2	259	48	19	2.5	2.81	2.90	43"-M2	95	96
S	133.8	.332	.597	24.31	21.88	12.82	377.0	204.3	50.6	122.1	268	52	23	2.3	2.62	2.88	43"-M2	99	107
<b>Standard Stepped Steel 39" A&amp;L Iron Shaft</b>																			
L	119.5	.370	.575	20.19	18.19	8.30	412.4	263.6	41.8	107.0	297	82	55	1.5	1.95	2.12	36.5"	72	70
A	119.5	.368	.577	20.38	18.81	9.15	425.3	263.8	50.6	110.9	301	76	49	1.6	1.92	2.16	37.5"	76	71
<b>Standard Stepped Steel 40" R&amp;S Iron Shaft</b>																			
R	126.0	.370	.601	20.63	18.56	9.22	427.2	263.1	50.6	113.5	303	81	52	1.6	1.84	2.04	37.5"	77	75
S	126.1	.367	.599	20.63	18.63	9.25	428.0	263.4	50.6	114.0	309	82	54	1.5	1.77	2.08	37.5"	79	77
<b>Standard Stepless Steel 45" A&amp;L Wood Shaft</b>																			
L	136.3	.330	.576	23.00	20.69	11.84	362.3	198.8	41.8	121.7	255	46	23	2.0	2.76	2.87	42"-M2	91	89
A	136.1	.330	.578	23.06	21.25	12.82	377.0	201.3	50.6	125.1	256	44	20	2.2	2.76	2.89	43"-M2	94	92

**APOLLO continued**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Standard Stepless Steel 46" R&amp;S Wood Shaft</b>																			
R	138.6	.332	.597	23.44	21.13	12.77	375.8	200.5	50.6	124.7	261	46	20	2.3	2.65	2.81	43"-M2	97	94
S	139.3	.332	.599	23.50	21.19	12.80	376.8	200.7	50.6	125.5	270	47	23	2.0	2.54	2.79	43"-M2	101	100
<b>Standard Stepless Steel 40" A&amp;L Iron Shaft</b>																			
L	122.9	.368	.575	20.19	17.56	8.21	409.7	261.1	41.8	106.8	313	86	60	1.4	1.76	1.97	36.5"	78	75
A	123.6	.368	.575	20.25	18.00	9.14	425.0	264.2	50.6	110.2	315	86	59	1.5	1.72	1.99	37.5"	81	82
<b>Standard Stepless Steel 41" R&amp;S Iron Shaft</b>																			
R	130.8	.365	.599	20.81	18.25	9.20	426.7	261.1	50.6	115.0	334	94	63	1.5	1.57	1.77	37.5"	87	89
S	130.7	.365	.599	20.81	18.38	9.20	426.8	261.1	50.6	115.1	337	95	66	1.4	1.50	1.77	37.5"	89	91

**DYNACRAFT**

<b>Copperhead Filament Wound Wood Shafts (2001 version without bubble formation)</b>																			
R	83.7	.336	.592	22.88	21.78	11.56	330.8	200.5	50.2	80.1	258	40	12	3.3	5.32	5.69	44"-M2	86	82
S	83.7	.336	.591	22.78	21.69	11.52	330.4	200.0	50.2	80.2	268	44	14	3.1	5.34	5.65	44"-M2	89	92
<b>Copperhead Filament Wound Iron Shafts (2001 version without bubble formation)</b>																			
R	82.8	.373	.605	20.56	19.06	8.52	382.0	254.3	50.2	77.5	290	66	43	1.5	2.74	3.18	38.5"	69	68
S	81.0	.372	.601	20.38	18.91	8.58	383.4	257.4	50.2	75.8	305	79	46	1.7	3.06	3.48	38.5"	72	78
<b>Copperhead Wood Shafts (2001-present version)</b>																			
R	71.1	.336	.601	23.38	22.06	11.05	322.0	204.7	50.6	66.7	241	37	12	3.1	5.78	5.97	44"-M2	79	77
S	74.0	.336	.598	23.38	20.25	11.18	324.4	204.0	50.6	69.8	258	45	12	3.8	5.77	5.93	44"-M2	85	90
<b>Copperhead Iron Shafts (2001-present version)</b>																			
R	81.1	.369	.603	20.50	18.94	8.47	380.8	255.3	50.6	74.9	282	67	41	1.6	3.73	4.19	38.5"	64	67
S	80.3	.370	.608	20.75	19.25	8.48	380.9	256.4	50.6	73.9	301	73	46	1.6	3.95	4.44	38.5"	65	74
<b>Filament Wound Lite (FWL) Wood Shafts</b>																			
R	80.6	.335	.594	27.75	21.19	11.30	326.3	200.5	50.6	75.2	255	42	14	3.0	4.83	4.99	44"-M2	87	88
S	79.9	.334	.595	22.75	21.13	11.27	325.8	200.7	50.6	74.5	263	43	14	3.1	4.65	4.84	44"-M2	90	90
<b>Filament Wound Lite (FWL) Iron Shafts</b>																			
R	76.6	.367	.593	19.69	18.19	8.25	375.6	253.8	50.6	71.2	284	68	40	1.7	3.49	3.75	38.5"	65	67
S	79.3	.368	.598	19.75	18.19	8.35	377.9	253.2	50.6	74.1	294	71	44	1.6	3.54	3.87	38.5"	68	72

**DYNACRAFT continued**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Filament Wound Ultralight Wood Shaft</b>																			
R	66.9	.335	.597	22.50	21.69	11.23	308.7	193.4	51.0	64.3	252	38	18	2.1	4.87	4.98	45"-BB	89	101
S	69.0	.336	.598	22.63	21.81	11.36	310.8	193.1	51.0	66.7	262	43	18	2.4	4.64	4.71	45"-BB	93	110
<b>Lady Copperhead Wood Shaft</b>																			
L	64.2	.334	.583	22.25	20.59	9.65	302.4	200.9	41.8	59.7	226	32	10	3.2	6.20	6.44	43"-M2	71	60
<b>Lady Copperhead Iron Shaft</b>																			
L	76.1	.368	.592	19.81	17.81	7.34	362.3	252.3	41.8	68.2	254	54	35	1.5	3.92	4.46	37.5"	55	50
<b>Light Wood Shaft</b>																			
L	64.2	.334	.583	22.25	20.59	9.65	302.4	200.9	41.8	59.7	226	32	10	3.2	6.20	6.44	43"-M2	71	60
<b>Light Iron Shaft</b>																			
L	76.1	.368	.592	19.81	17.81	7.34	362.3	252.3	41.8	68.2	254	54	35	1.5	3.92	4.46	37.5"	55	50

**FUJIKURA**

<b>Speeder 757 Wood Shaft</b>																			
S	78.5	.338	.632	24.63	23.56	12.05	322.1	196.1	51.0	75.0	260	37	16	2.3	3.23	3.28	45"-BB	100	95
<b>Vista Pro 80 Wood Shaft</b>																			
X	82.9	.332	.602	24.31	22.56	11.52	330.4	203.6	50.6	76.2	280	53	26	2.0	3.92	4.08	44"-M2	99	125

**GRAFALLOY**

<b>Blue Wood Shafts</b>																			
R	64.3	.335	.603	22.94	22.06	11.14	307.4	195.7	50.6	61.1	256	40	19	2.1	3.32	3.40	45"-BB	97	106
S	61.6	.334	.603	23.00	22.15	11.11	306.7	196.9	50.6	59.2	261	40	20	2.0	3.39	3.48	45"-BB	99	108
X	62.2	.334	.602	22.88	22.00	11.07	306.3	196.0	50.6	59.7	271	46	22	2.1	3.31	3.39	45"-BB	103	122
<b>ProCustom 48" R&amp;S Combination Flex Wood Shaft</b>																			
R	72.8	.334	.607	24.31	22.38	11.47	312.4	194.7	51.0	66.7	246	37	8	4.6	5.88	6.18	45"-BB	84	81
S	73.3	.334	.608	24.44	22.88	11.47	312.5	195.1	51.0	66.4	260	42	10	4.2	5.11	6.11	45"-BB	91	93

**GRAFALLOY continued**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>ProLaunch 45 Wood Shafts</b>																			
R	46.1	.333	.595	23.25	22.13	10.28	294.5	200.1	51.0	43.4	240	31	12	2.6	5.62	5.83	45"-BB	82	77
S	45.0	.336	.590	22.97	22.31	10.36	295.7	200.4	51.0	44.3	247	33	13	2.5	5.71	5.89	45"-BB	84	83
<b>ProLaunch 55 Wood Shafts</b>																			
R	55.3	.333	.601	23.19	22.38	10.81	302.3	198.1	51.0	53.2	244	32	11	2.9	4.80	4.82	45"-BB	86	77
S	57.6	.335	.600	23.13	22.19	10.90	303.5	197.4	51.0	55.1	252	35	14	2.5	4.40	4.52	45"-BB	91	88
<b>ProLaunch 65 Wood Shafts</b>																			
R	64.6	.335	.602	22.81	21.94	11.18	307.8	195.2	51.0	61.6	248	37	13	2.9	3.53	3.69	45"-BB	93	90
S	65.8	.335	.603	23.03	22.19	11.25	309.0	195.0	51.0	63.0	259	39	17	2.3	3.31	3.60	45"-BB	99	101
<b>ProLaunch 75 Wood Shafts</b>																			
R	73.7	.337	.603	23.97	23.06	11.73	316.7	195.2	51.0	70.5	246	36	13	2.8	3.86	4.05	45"-BB	91	88
S	76.5	.335	.603	23.75	22.81	11.80	317.9	193.6	51.0	73.3	263	41	16	2.6	3.81	4.00	45"-BB	97	102
X	73.3	.335	.600	23.56	22.63	11.68	315.7	194.5	51.0	70.2	276	45	18	2.5	3.94	4.14	45"-BB	102	113
<b>ProLite Iron Shafts (standard butt diameter version)</b>																			
R	77.4	.371	.599	20.69	18.88	8.29	376.5	256.2	50.6	69.7	287	71	44	1.6	2.71	3.13	38.5"	70	72
S	79.1	.372	.599	20.22	18.44	8.25	375.6	254.0	50.6	71.0	295	76	47	1.6	3.09	3.53	38.5"	70	77
<b>ProLite Fairway Wood Shafts</b>																			
R	67.8	.334	.601	22.19	21.06	10.35	327.2	212.2	50.6	64.4	263	46	22	2.1	4.10	4.13	43"-M2	89	97
S	71.3	.334	.603	22.25	21.19	10.51	329.9	211.5	50.6	67.8	278	53	25	2.1	3.91	3.95	43"-M2	95	112
<b>ProLite 35 Wood Shafts</b>																			
R	61.3	.333	.601	23.63	22.75	10.98	304.9	195.8	50.0	59.1	250	35	13	2.7	3.74	3.76	45"-BB	93	86
S	64.8	.335	.602	22.94	22.06	11.05	305.8	193.4	50.0	62.4	261	41	19	2.2	4.14	3.55	45"-BB	95	108
X	68.7	.336	.610	23.88	23.00	11.36	310.6	194.5	50.0	66.1	270	47	26	1.8	3.43	3.45	45"-BB	102	131
<b>ProLite 35 .350" Tip Wood Shafts</b>																			
R	61.7	.353	.599	23.19	22.00	10.96	304.4	196.0	50.0	58.4	238	37	18	2.1	3.90	3.94	45"-M2	88	95
S	64.1	.350	.599	23.00	21.88	11.07	306.1	195.0	50.0	61.1	260	43	24	1.8	3.92	3.94	45"-M2	96	116
X	68.2	.353	.611	23.75	22.56	11.28	309.7	195.2	50.0	64.5	265	44	22	2.0	3.62	3.63	45"-M2	99	114

**GRAFALLOY continued**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>ProLite 45 Wood Shafts</b>																			
A	59.1	.334	.612	24.88	24.00	11.07	306.2	198.6	51.0	56.6	236	31	9	3.4	4.76	4.84	45"-BB	84	72
R	62.9	.334	.617	24.69	23.81	11.23	308.7	197.7	51.0	60.0	245	34	11	3.1	4.84	4.91	45"-BB	86	81
S	63.4	.333	.619	24.81	23.94	11.31	309.8	198.0	51.0	60.8	264				4.79	4.89	45"-BB	93	
<b>ProLogic Iron Shaft</b>																			
R	72.4	.370	.600	19.44	18.38	7.72	386.8	268.3	50.2	68.3	308	86	57	1.5	3.86	3.99	37.5"	67	81
S	73.6	.370	.600	19.50	18.44	7.75	387.6	268.1	50.2	69.3	313	88	57	1.5	4.16	4.21	37.5"	67	82

**GRAPHITE DESIGN**

<b>Purple Ice 85 V<sup>3</sup> Wood Shafts</b>																			
R	83.9	.334	.594	25.00	23.13	11.77	334.7	206.8	50.6	77.3	259	46	19	2.4	2.69	2.92	44"-M2	99	103
S	83.7	.334	.595	25.13	23.25	11.77	334.8	207.1	50.6	77.1	265	48	20	2.4	2.65	2.89	44"-M2	102	107
X	83.9	.335	.594	24.94	23.25	11.79	335.2	206.9	50.6	77.7	273	50	21	2.4	2.67	2.91	44"-M2	105	112
<b>YS-6 Wood Shafts</b>																			
R	63.6	.333	.599	24.25	23.38	11.31	309.9	198.9	50.6	60.4	241	33	10	3.3	3.77	3.93	45"-BB	89	77
S	63.0	.334	.598	24.06	23.19	11.25	308.9	198.5	50.6	59.8	249	37	14	2.6	3.73	3.93	45"-BB	93	92
SX	65.1	.334	.600	24.31	23.38	11.38	311.0	198.5	50.6	61.9	256	41	15	2.7	3.57	3.73	45"-BB	96	101
X	64.3	.333	.600	24.50	23.56	11.36	310.7	198.9	50.6	61.2	263	43	16	2.7	3.55	3.70	45"-BB	99	106
<b>YS-7 Wood Shafts</b>																			
R	76.5	.333	.600	24.31	23.38	11.93	320.2	196.6	50.6	73.0	236	32	12	2.6	3.19	3.77	45"-BB	91	79
S	75.6	.332	.598	24.25	23.31	11.90	319.4	196.5	50.6	72.3	244	35	14	2.5	3.21	3.37	45"-BB	94	88
SX	78.5	.334	.601	24.31	23.38	11.98	321.0	195.4	50.6	75.0	260	41	17	2.4	3.18	3.38	45"-BB	100	104
X	78.4	.334	.599	24.19	23.25	11.98	320.9	195.2	50.6	75.1	263	43	17	2.5	3.21	3.37	45"-BB	101	108
<b>YS-8.1 Wood Shafts</b>																			
S	83.3	.334	.600	25.00	23.25	11.73	339.9	206.9	50.6	76.4	250	41	15	2.7	2.65	2.89	44"-M2	96	87
SX	83.9	.333	.598	24.69	22.94	11.73	334.1	206.1	50.6	77.4	252	43	19	2.3	2.66	2.89	44"-M2	97	98
X	88.0	.334	.607	25.13	23.22	11.88	336.8	206.0	50.6	80.2	264	45	21	2.1	2.66	2.91	44"-M2	101	104
<b>YS-9.1 Wood Shaft</b>																			
S	88.4	.331	.605	24.91	23.06	11.85	336.2	205.1	50.6	80.5	262	45	19	2.4	3.08	3.36	44"-M2	98	101
SX	90.1	.334	.603	24.75	23.00	11.96	338.3	204.9	50.6	82.8	268	50	20	2.5	2.98	3.23	44"-M2	100	110
X	94.6	.333	.607	24.75	22.88	12.11	341.0	203.7	50.6	86.7	278	53	26	2.0	3.10	3.38	44"-M2	103	125

**GRAMAN**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>CF 310 46" A&amp;L Flex Wood Shaft</b>																			
L	73.1	.335	.591	25.06	21.88	9.85	322.7	213.1	47.4	62.2	222	34	11	3.1	5.20	5.43	42"-M2	69	55
A	71.2	.334	.590	25.19	22.81	10.48	329.3	215.8	50.2	63.3	219	32	10	3.2	5.03	5.47	43"-M2	71	60
<b>CF 310 46" R&amp;S Flex Wood Shaft</b>																			
R	75.7	.334	.595	25.25	22.69	10.62	331.9	215.0	50.2	66.7	244	43	15	2.9	5.59	5.84	43"-M2	77	83
S	77.1	.336	.595	25.19	22.81	10.67	332.9	214.5	50.2	68.2	252	47	18	2.6	5.41	5.87	43"-M2	81	93
<b>CF 310 40" A&amp;L Flex Iron Shaft</b>																			
L	68.5	.370	.586	20.69	18.13	6.88	374.7	268.8	47.4	58.5	269	69	47	1.5	4.27	4.69	36.5"	56	59
A	68.5	.370	.584	20.69	18.94	7.46	380.4	269.4	50.2	60.8	268	68	42	1.6	4.09	4.69	37.5"	58	62
<b>CF 310 40" R&amp;S Flex Iron Shaft</b>																			
R	72.6	.371	.588	20.94	19.00	7.60	383.8	269.2	50.2	64.4	295	76	51	1.5	4.71	5.20	37.5"	62	72
S	72.3	.369	.592	20.94	19.19	7.60	383.9	269.4	50.2	64.3	303	82	52	1.6	4.47	5.32	37.5"	64	76
<b>TP 540 Wood Shafts</b>																			
S	70.6	.337	.604	24.44	23.38	11.59	314.4	197.1	50.6	66.7	257	40	13	3.1	3.78	3.87	45"-BB	95	95
X	72.7	.338	.604	24.56	23.50	11.71	316.5	196.8	50.6	69.1	269	44	16	2.8	3.51	3.56	45"-BB	101	108

**HARMON TOUR DESIGN****CB-65 Series Wood Shafts (formerly CB Series)**

R	66.9	.339	.599	25.56	24.56	11.56	313.9	199.7	50.6	63.6	247	38	10	3.8	3.78	3.82	45"-BB	92	86
S	68.4	.340	.603	25.50	24.50	11.59	314.4	198.8	50.6	65.0	262	42	14	3.0	3.80	3.86	45"-BB	97	101
X	70.3	.339	.606	25.75	24.75	11.78	317.5	199.7	50.6	67.2	277	48	15	3.2	3.78	3.84	45"-BB	103	113

**CB-70 Series Wood Shafts**

S	72.3	.338	.606	25.25	24.31	11.82	318.2	198.0	51.0	69.2	265	42	15	2.8	3.69	3.77	45"-BB	99	102
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**HARRISON****Boron Gold 46" R&F Combination Flex Wood Shaft**

R	94.2	.336	.617	25.06	22.69	11.00	339.2	209.8	46.0	83.4	256	45	17	2.6	3.79	3.93	43"-M2	88	89
Firm	93.7	.333	.616	24.88	22.50	11.00	339.2	209.2	46.0	84.0	261	48	18	3.0	3.58	3.90	43"-M2	91	92

**HARRISON continued**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Boron Gold 46" F&amp;S Combination Flex Wood Shaft</b>																			
Firm	99.9	.335	.623	25.25	22.75	11.24	343.6	210.5	46.0	87.1	265	49	18	2.7	3.80	-----	43"-M1	91	91
<b>Boron Gold 40" R&amp;F Combination Flex Iron Shaft</b>																			
R	93.4	.370	.610	21.25	19.38	8.07	395.5	264.9	46.0	84.6	299	77	49	1.6	2.93	3.28	37.5"	69	71
Firm	93.1	.370	.610	21.25	19.31	8.09	396.1	265.2	46.0	84.9	302	79	53	1.5	2.90	3.25	37.5"	70	75
<b>Boron Tour 46" R&amp;F Combination Flex Wood Shaft</b>																			
R	95.8	.335	.614	25.00	22.38	11.41	347.0	212.4	50.6	84.0	257	51	20	2.6	2.88	-----	43"-M1	94	96
<b>Boron Tour 46" F&amp;S Combination Flex Wood Shaft</b>																			
Firm	97.5	.335	.618	24.88	22.38	11.47	348.1	212.1	50.6	85.4	267	55	21	2.6	2.86	-----	43"-M1	97	109
<b>Premier Lite 41" R&amp;S Combination Flex Iron Shaft</b>																			
R	99.9	.369	.600	21.44	18.81	8.48	406.3	268.4	50.6	87.3	286	70	43	1.6	2.22	2.56	37.5"	70	64
S	100.7	.369	.600	21.50	18.94	8.52	407.4	267.3	50.6	89.5	300	79	46	1.7	2.05	2.55	37.5"	74	71
<b>Pro 2.5 FL Lite R&amp;F Combination Flex Wood Shaft</b>																			
R	63.4	.337	.620	22.44	21.88	11.00	308.9	196.6	50.2	62.1	253	38	14	2.7	3.56	3.58	44.75"-BB	94	92
F	64.2	.339	.616	22.38	21.94	11.00	309.0	196.2	50.2	62.6	263	40	14	2.9	3.48	3.62	44.75"-BB	103	95
<b>Pro 2.5 Low Launch 46" R&amp;F Wood Shaft</b>																			
R	71.2	.340	.611	23.00	22.13	11.54	313.5	194.1	50.6	68.8	251	32	15	2.1	3.22	3.25	45"-BB	96	85
<b>Pro 2.5 Low Launch 46" F&amp;S Wood Shaft</b>																			
F	69.7	.340	.610	23.00	22.13	11.45	312.2	194.6	50.6	67.0	259	34	16	2.1	3.25	3.29	45"-BB	99	90
<b>Pro 2.5 Titanium 46" R&amp;F Wood Shaft</b>																			
R	73.2	.337	.613	22.75	21.88	11.59	314.3	193.1	50.6	70.6	256	38	11	3.5	4.14	4.22	45"-BB	93	88
F	70.6	.339	.611	22.75	21.69	11.40	311.3	193.4	50.6	67.3	261	39	14	2.8	3.80	4.04	45"-BB	97	95
<b>Pro 2.5 Titanium 46" F&amp;S Wood Shaft</b>																			
F	71.7	.336	.616	22.88	21.94	11.50	313.1	193.7	50.6	68.8	264	39	18	2.2	3.73	3.79	45"-BB	98	102
<b>Pro 2.5 Ultra Lite F&amp;S Combination Flex Wood Shaft</b>																			
F	80.6	.338	.608	23.25	22.75	11.85	323.0	194.2	50.2	78.6	269	42	16	2.6	3.29	3.32	44.75"-BB	106	104
S	76.7	.336	.607	23.13	22.63	11.68	320.2	194.7	50.2	75.3	273	46	20	2.3	3.13	3.30	44.75"-BB	108	119

**HARRISON continued**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Professional 46" R&amp;F Combination Flex Wood Shaft</b>																			
R	97.1	.335	.622	25.13	22.50	11.15	341.8	210.8	46.0	85.0	260	48	15	3.2	3.64	-----	43"-M1	90	85
<b>Professional 46" F&amp;S Combination Flex Wood Shaft</b>																			
Firm	102.1	.338	.623	25.25	22.75	11.40	346.7	211.1	46.0	89.6	269	49	19	2.6	3.69	-----	43"-M1	93	93
<b>Striper 46" R&amp;F Combination Flex Wood Shaft</b>																			
R	68.6	.338	.618	22.81	21.81	11.32	310.2	194.0	50.6	65.6	257	38	15	2.5	4.26	4.28	45"-BB	93	95
F	68.2	.336	.618	22.75	21.88	11.32	310.1	194.1	50.6	65.4	262	42	15	2.8	4.11	4.28	45"-BB	96	102
<b>Striper J 46" R&amp;F Combination Flex Wood Shaft</b>																			
R	63.1	.339	.598	21.75	20.88	11.07	306.1	193.6	50.6	61.9	254	39	11	3.6	4.33	4.62	45"-BB	92	90
F	63.8	.341	.596	21.75	20.88	11.07	306.3	193.6	50.6	62.1	259	40	11	3.6	4.22	4.68	45"-BB	94	92
<b>Striper J 46" F&amp;S Combination Flex Wood Shaft</b>																			
F	65.1	.344	.601	21.69	20.81	11.07	306.2	192.9	50.6	62.7	262	41	14	2.9	3.97	4.14	45"-BB	96	99
S	64.9	.342	.604	21.69	20.81	11.03	305.6	193.0	50.6	62.0	270	43	15	2.9	3.84	4.12	45"-BB	100	104
<b>Titanium Lite 46" R&amp;F Wood Shaft</b>																			
R	71.7	.341	.616	23.06	22.09	11.61	314.7	195.6	50.6	68.5	250	35	11	3.2	3.21	3.31	45"-BB	96	83
<b>Titanium Lite 46" F&amp;S Wood Shaft</b>																			
F	73.4	.336	.622	23.69	22.63	11.73	316.6	196.1	50.6	69.9	264	39	15	2.6	3.26	3.36	45"-BB	101	97
<b>Tour Classic II 46" A&amp;R Combination Flex Wood Shaft</b>																			
A	93.3	.336	.611	24.81	22.38	10.96	338.3	209.2	46.0	83.1	244	41	14	2.9	4.82	4.90	43"-M2	80	79
R	94.5	.337	.613	24.81	22.44	11.05	340.0	209.2	46.0	84.8	250				4.64	5.06	43"-M2	83	
<b>Tour Classic II 39" A&amp;R Combination Flex Iron Shaft</b>																			
A	89.7	.371	.612	21.13	19.13	7.89	390.9	264.4	46.0	80.5	281	72	47	1.5	3.14	3.45	37.5"	64	67
R	89.5	.371	.614	21.13	19.13	7.89	391.0	264.2	46.0	80.8	287	77	48	1.6	3.06	3.45	37.5"	66	71
<b>Tour Classic II 46" R&amp;F Combination Flex Wood Shaft</b>																			
R	97.2	.336	.618	25.00	22.50	11.12	341.2	210.0	46.0	85.2	256	48	16	3.0	4.59	-----	43"-M1	85	87
<b>Tour Classic II 46" F&amp;S Combination Flex Wood Shaft</b>																			
Firm	100.7	.338	.624	25.25	22.75	11.33	345.4	210.4	46.0	89.0	266				4.61	-----	43"-M1	88	

**INNOVATIVE SPORTS TECHNOLOGY**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Compression 35 Wood Shafts</b>																			
R	78.7	.331	.597	25.31	22.88	10.93	337.7	217.4	50.6	69.7	240	44	15	2.9	6.04	6.19	43"-M1	75	80

**MCC / APACHE**

<b>MFS 58+ Wood Shafts (formerly Micro 58)</b>																			
R	62.4	.336	.592	24.06	23.25	11.14	307.3	197.4	50.2	59.7	249	37	17	2.2	4.73	4.86	45"-BB	88	97
S	63.2	.337	.593	24.19	23.44	11.18	308.0	197.4	50.2	60.4	262	45	17	2.6	4.78	4.92	45"-BB	93	111
<b>MFS 58+ Wood Shaft (formerly Micro 58 Professional)</b>																			
S	66.7	.336	.602	23.38	22.25	11.25	309.0	195.0	50.2	63.8	260	42	20	2.1	4.26	4.47	45"-BB	94	111
<b>MFS-65N Wood Shafts</b>																			
R	66.8	.334	.598	24.13	23.09	11.45	312.0	197.8	50.6	63.6	248	35	12	2.9	4.08	4.26	45"-BB	91	85
S	69.1	.334	.600	24.15	23.19	11.59	314.3	197.8	50.6	65.9	261	42	16	2.6	4.03	4.25	45"-BB	96	104
<b>MFS 30+ Wood Shaft (formerly PM30+)</b>																			
R	85.0	.336	.599	24.88	22.63	11.00	339.1	212.9	50.2	76.0	258	48	18	2.7	5.14	5.64	43"-M2	84	94
S	88.9	.336	.606	25.00	22.69	11.18	342.4	212.8	50.2	79.4	269	52	24	2.2	4.90	5.37	43"-M2	88	109
<b>MFS 30+ Iron Shaft (formerly PM30+)</b>																			
R	83.8	.371	.606	21.25	19.38	8.00	393.9	269.0	50.2	74.7	304	82	50	1.6	3.48	3.77	37.5"	68	75
S	84.2	.372	.604	21.13	19.19	8.00	393.8	268.4	50.2	75.2	310	88	56	1.6	3.43	3.83	37.5"	69	82
<b>MFS 40+ Wood Shaft (formerly PM40+)</b>																			
R	89.7	.337	.603	24.94	22.63	11.15	341.9	211.8	50.2	79.9	255	47	22	2.1	3.67	4.14	43"-M2	88	99
S	92.3	.337	.609	25.13	22.81	11.28	344.5	211.6	50.2	82.7	267	52	23	2.3	3.73	4.13	43"-M2	92	107
<b>MFS 40+ Iron Shaft (formerly PM40+)</b>																			
R	89.7	.373	.612	21.25	19.25	8.17	398.1	267.9	50.2	80.0	300	79	54	1.5	2.24	2.48	37.5"	73	75
S	92.8	.373	.618	21.31	19.25	8.27	400.5	267.1	50.2	83.2	314	81	56	1.4	2.19	2.46	37.5"	77	78
<b>MFS 50+ Wood Shaft (formerly PM50+)</b>																			
S	87.8	.336	.605	25.00	22.63	11.11	341.1	212.7	50.2	78.2	264	52	23	2.3	3.75	4.15	43"-M2	91	107

**PARAGON**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Lite Touch A&amp;L Combination Flex Wood Shaft</b>																			
L	66.4	.335	.582	24.25	21.38	9.69	319.7	214.8	47.1	57.8	245	41	20	2.1	7.13	7.67	42"-M2	72	74
A	66.7	.334	.582	24.25	21.94	10.27	325.7	216.2	50.0	59.5	241	39	16	2.4	6.98	7.61	43"-M2	74	79
<b>Lite Touch A&amp;L Combination Flex Iron Shaft</b>																			
L	61.1	.371	.581	20.19	17.75	6.66	369.7	269.1	47.1	53.5	280	74	51	1.5	5.86	6.21	36.5"	55	64
A	61.2	.371	.581	20.25	18.44	7.21	374.4	269.4	50.0	55.0	283	75	49	1.5	5.70	6.12	37.5"	57	70
<b>Lite Touch R&amp;S Combination Flex Wood Shaft</b>																			
R	68.8	.335	.585	24.31	21.94	10.33	326.8	215.7	50.0	61.1	255	46	19	2.4	7.56	7.95	43"-M2	77	93
S	68.9	.336	.585	24.25	22.00	10.36	327.4	215.7	50.0	61.7	256	48	19	2.5	7.04	7.77	43"-M2	78	96
<b>Lite Touch R&amp;S Combination Flex Iron Shaft</b>																			
R	66.0	.371	.588	20.63	18.63	7.36	378.1	268.9	50.0	59.2	286	76	51	1.5	5.83	6.01	37.5"	58	72
S	65.6	.370	.589	20.69	18.75	7.34	377.7	269.1	50.0	58.6	292	79	53	1.5	5.38	5.94	37.5"	60	75
<b>Low Torque EX Wood Shafts</b>																			
L	76.9	.334	.598	24.31	22.19	10.40	314.9	203.9	41.7	69.3	238	36	9	4.0	4.11	4.34	43"-M2	81	64
R	86.7	.334	.599	24.88	22.81	11.77	334.9	205.9	51.0	78.0	247	42	16	2.6	5.13	5.29	44"-M2	83	92
S	82.3	.334	.610	24.50	22.50	11.57	331.0	205.9	51.0	74.1	264	48	20	2.4	4.44	4.62	44"-M2	91	107
<b>Low Torque EX Iron Shafts</b>																			
L	72.8	.372	.596	19.94	18.06	7.30	361.5	253.8	41.7	66.0	281	72	41	1.8	3.24	3.48	37.5"	64	64
R	82.0	.368	.598	21.25	19.75	8.65	384.9	257.5	51.0	76.4	283	73	43	1.7	3.30	3.45	38.5"	66	72
S	81.7	.367	.608	21.44	19.94	8.66	385.2	258.1	51.0	76.1	296	80	48	1.7	3.40	3.52	38.5"	69	80
<b>Parasonic Wood Shafts</b>																			
R	91.5	.336	.612	24.75	22.63	11.49	348.3	214.0	50.6	83.7	259	47	22	2.1	3.91	-----	43"-M1	89	94
S	95.8	.337	.623	25.00	22.75	11.31	345.0	211.7	46.2	87.1	282				3.99	-----	43"-M1	96	
<b>Parasonic Iron Shafts</b>																			
R	81.7	.372	.601	20.63	19.25	8.01	394.2	268.0	50.6	75.6	304	86	54	1.6	3.43	-----	37.5"	68	79
S	86.1	.370	.603	20.75	19.38	8.10	396.4	265.9	50.6	79.9	326	93	57	1.6	3.35	-----	37.5"	73	85
<b>Pro Player's Edition Wood Shaft</b>																			
R	72.2	.336	.585	23.25	22.44	11.68	315.7	195.4	50.6	69.3	251	37	10	3.7	3.39	3.53	45"-BB	95	85
S	78.0	.334	.591	23.88	22.88	11.90	319.5	194.3	51.0	74.2	264	44	11	4.0	3.33	3.47	45"-BB	100	99

**PARAGON continued**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Pro X2 A&amp;L Combination Wood Shaft</b>																			
A	83.6	.337	.590	23.69	22.00	11.62	331.9	203.0	51.0	77.9	221	29	9	3.2	8.63	9.25	44"-M2	67	60
<b>Pro X2 R&amp;S Combination Wood Shaft</b>																			
R	89.9	.333	.596	24.13	22.44	11.97	338.6	204.2	51.0	83.4	254	45	13	3.5	8.76	9.03	44"-M2	77	92
<b>PV Wood Shafts</b>																			
R	70.5	.336	.592	23.88	22.06	10.46	329.2	214.2	50.2	64.8	244	42	16	2.6	7.16	7.35	43"-M2	74	83
S	72.6	.336	.597	24.31	22.44	10.56	330.9	214.5	50.2	66.2	250	47	17	2.8	7.75	7.98	43"-M2	75	92
<b>PV Iron Shafts</b>																			
R	69.2	.373	.597	20.31	18.88	7.57	383.1	269.1	50.2	63.8	293	74	48	1.5	5.12	5.38	37.5"	61	69
S	69.3	.370	.593	20.25	18.88	7.59	383.6	269.1	50.2	64.3	291	76	48	1.6	5.17	5.42	37.5"	60	70
<b>VST Wood Shafts</b>																			
R	62.4	.332	.580	24.06	22.69	11.14	307.3	198.2	50.6	58.5	250	37	10	3.7	4.13	4.30	45"-BB	91	85
S	64.0	.332	.582	24.13	22.75	11.25	309.0	198.2	50.6	60.2	258	41	12	3.4	4.12	4.27	45"-BB	94	95

**PENLEY**

<b>ETA Wood Shaft</b>																			
S	69.0	.334	.601	25.00	23.56	11.52	313.2	198.2	50.6	64.4	261	37	19	1.9	3.79	3.97	45"-BB	97	101
<b>G2-85 Wood Shaft</b>																			
S	87.3	.331	.619	24.13	21.81	11.01	339.4	210.4	50.2	78.8	253	45	25	1.7	4.41	4.87	43"-M2	85	100
<b>Graphite Light Wood Shafts</b>																			
A	69.0	.336	.590	23.00	22.19	11.45	312.1	195.6	50.2	66.3	222	18	11	1.6	6.19	6.49	45"-BB	75	52
S	77.2	.332	.600	23.31	22.38	11.76	317.1	192.7	50.2	74.2	253	34	18	1.9	6.14	6.45	45"-BB	85	93
<b>John Daly Wood Shaft</b>																			
R	71.2	.333	.607	23.94	22.88	11.61	314.6	196.1	50.6	67.9	248	32	14	2.3	3.68	3.86	45"-BB	92	83
<b>Stealth 70 Wood Shafts</b>																			
R	71.9	.334	.603	24.06	22.25	11.13	323.6	207.0	50.6	66.0	250	36	14	2.6	4.50	4.58	44"-M2	86	79
S	73.2	.333	.614	24.19	22.38	11.22	325.0	207.2	50.6	67.2	263	38	14	2.7	4.42	4.50	44"-M2	91	82
X	73.9	.335	.616	24.44	22.56	11.27	325.7	207.5	50.6	67.6	281	45	21	2.1	4.25	4.43	44"-M2	98	104

**PENLEY continued**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Tour Light Wood Shafts</b>																			
A	64.0	.333	.599	24.81	23.31	11.27	309.2	198.8	50.6	59.8	222	23	6	3.8	4.55	4.72	45"-BB	79	52
R	63.3	.334	.603	24.75	23.25	11.22	308.5	198.9	50.6	59.0	233	28	11	2.5	4.59	4.66	45"-BB	83	70
S	68.8	.333	.606	24.50	22.94	11.45	312.0	197.0	50.6	64.4	246	30	14	2.1	4.68	4.78	45"-BB	87	79
X	64.7	.335	.606	24.88	23.44	11.32	310.1	198.9	50.6	60.6	253	36	14	2.6	4.44	4.59	45"-BB	91	90

**RAPPORT COMPOSITES**

<b>Advent Wood Shafts</b>																			
L	87.9	.338	.577	22.69	21.25	11.31	330.8	201.0	47.6	82.2	245	37	16	2.3	4.62	4.80	43"-M2	81	76
A	82.3	.336	.595	22.94	21.81	11.62	332.0	203.2	50.6	78.2	245	36	11	3.3	5.07	5.22	44"-M2	83	74
R	83.8	.335	.592	22.94	21.88	11.67	332.7	203.2	50.6	78.9	250	36	13	3.0	5.12	5.26	44"-M2	84	77
S	83.6	.336	.592	22.69	21.63	11.62	332.0	202.6	50.6	78.8	262	41	14	2.9	5.48	5.58	44"-M2	87	87
<b>Advent Iron Shafts</b>																			
L	86.4	.374	.585	20.25	18.47	8.24	383.6	256.9	47.6	79.1	277	62	43	1.4	2.89	3.23	37.5"	64	59
A	83.1	.372	.605	20.75	19.31	8.71	386.6	258.6	50.6	77.4	276	62	32	1.9	2.84	3.11	38.5"	66	58
R	81.6	.372	.605	20.56	19.06	8.64	384.7	258.0	50.6	76.1	286	64	41	1.6	2.92	3.20	38.5"	68	65
S	84.1	.371	.604	20.56	19.13	8.73	387.0	257.6	50.6	78.8	290	69	40	1.7	3.00	3.27	38.5"	69	68
<b>Cirrus OS .365" Wood Shafts</b>																			
R	63.5	.366	.573	22.06	21.38	11.23	308.7	196.2	50.6	61.9	226	30	18	1.7	5.03	5.06	45"-M2	79	83
S	67.8	.369	.578	22.31	21.63	11.36	310.7	194.2	50.6	65.9	243	32	22	1.5	4.89	4.99	45"-M2	86	95
<b>Cirrus Pro Wood Shafts</b>																			
R	64.1	.339	.590	22.38	21.56	11.14	307.2	194.9	50.6	61.7	245	30	17	1.8	3.84	3.90	45"-BB	91	85
S	66.4	.336	.595	22.56	21.63	11.25	308.9	194.4	50.6	63.9	261	42	21	2.0	3.87	3.92	45"-BB	96	113
X	68.6	.337	.601	23.06	22.13	11.41	311.5	194.9	50.6	66.0	274	45	23	2.0	3.81	3.85	45"-BB	101	122
<b>Hyperflex Tour Wood Shafts</b>																			
R	92.9	.337	.607	24.81	23.06	12.02	339.3	203.8	50.6	84.9	272	45	16	2.8	4.30	4.51	44"-M2	95	96
S	99.4	.338	.615	25.00	23.31	12.30	344.8	203.3	50.6	90.9	282	50	17	2.9	4.22	4.32	44"-M2	99	106
<b>Ni-271 Wood Shaft</b>																			
R	93.7	.333	.599	23.38	22.25	12.12	341.4	201.6	50.6	89.2	255	38	16	2.4	5.03	5.10	44"-M2	86	85

**RAPPORT COMPOSITES**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Ni-271 Iron Shafts</b>																			
L	82.4	.372	.598	20.31	17.81	7.10	380.2	267.8	39.7	72.7	278	71	53	1.3	3.31	3.76	36.5"	62	64
A	81.9	.373	.597	20.25	18.25	7.94	392.1	267.6	50.2	74.3	284	70	48	1.5	3.46	4.11	37.5"	63	67
R	87.8	.370	.604	20.81	18.69	8.23	399.6	269.5	50.2	79.9	294	78	51	1.5	3.13	3.73	37.5"	67	73
S	87.6	.372	.602	20.63	18.50	8.22	399.4	269.5	50.2	79.7	301	81	53	1.5	3.22	3.71	37.5"	68	76
<b>Oracle Plus 46.5" A&amp;L Wood Shafts</b>																			
L	86.5	.336	.593	24.06	21.81	11.20	328.9	203.4	47.6	77.9	242	35	12	2.9	5.17	5.39	43"-M2	78	67
A	85.5	.334	.593	23.94	22.06	11.68	333.2	203.7	50.6	78.9	240	37	13	2.8	5.00	5.46	44"-M2	81	79
<b>Oracle Plus 40.5" A&amp;L Iron Shafts</b>																			
L	79.2	.371	.594	20.44	18.25	7.94	376.1	257.5	47.6	71.0	278	63	41	1.5	3.05	3.45	37.5"	64	59
A	77.2	.370	.592	20.31	18.56	8.39	378.8	257.4	50.6	70.8	276	63	39	1.6	2.92	3.39	38.5"	66	63
<b>Oracle Plus 46.5" R&amp;S Wood Shafts</b>																			
R	82.5	.335	.588	23.69	21.81	11.52	330.4	203.9	50.6	75.9	257	40	13	3.1	5.69	5.91	44"-M2	85	84
S	81.8	.335	.590	23.69	21.81	11.49	329.7	203.7	50.6	75.4	261	44	16	2.8	5.52	5.95	44"-M2	87	95
<b>Oracle Plus 40.5" R&amp;S Iron Shafts</b>																			
R	77.6	.368	.594	20.38	18.63	8.41	379.3	257.2	50.6	71.5	291	71	36	2.0	3.36	3.70	38.5"	68	67
S	78.9	.372	.597	20.38	18.63	8.45	380.3	257.0	50.6	72.7	298	73	35	2.1	3.13	3.60	38.5"	70	67
<b>ProWound Wood Shafts</b>																			
R	76.1	.337	.588	23.06	21.50	11.13	323.4	201.8	50.6	71.0	255	40	17	2.4	3.69	3.88	44"-M2	92	90
S	78.7	.344	.588	23.06	21.56	11.27	325.8	201.7	50.6	73.5	270	44	19	2.3	3.75	3.92	44"-M2	97	99
<b>SL Ultralite Wood Shafts</b>																			
R	65.2	.338	.597	22.75	22.38	11.40	311.4	196.6	50.6	64.2	242	30	17	1.8	3.97	4.03	45"-BB	89	85
S	65.3	.338	.594	22.69	22.38	11.41	311.6	196.6	50.6	64.4	252	34	18	1.9	4.15	4.22	45"-BB	92	93
<b>SL Ultralite .350" Wood Shafts</b>																			
R	68.3	.354	.602	22.63	22.06	11.45	312.1	194.9	50.6	66.6	241	31	21	1.5	3.67	3.74	45"-M2	90	93
S	67.6	.354	.599	22.50	21.94	11.40	311.3	194.8	50.6	65.9	252	34	21	1.6	3.82	3.87	45"-M2	93	99
<b>Synsor Lite Wood Shafts</b>																			
L	64.0	.340	.567	22.31	20.50	10.18	311.0	204.6	47.6	58.8	215	29	16	1.8	8.18	8.49	43"-M2	64	64
A	67.4	.341	.592	23.75	22.50	11.09	322.5	208.3	50.6	63.6	242	37	14	2.6	7.01	7.19	44"-M2	76	80

**RAPPORT COMPOSITES**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Synsor Lite Iron Shafts</b>																			
L	60.5	.375	.578	18.81	17.44	7.34	362.4	258.7	47.6	56.1	262	59	44	1.3	4.12	4.54	37.5"	57	58
A	63.0	.374	.587	19.31	18.38	7.98	369.4	258.9	50.6	59.9	279	64	42	1.5	4.73	4.97	38.5"	60	66

**ROYAL PRECISION**

<b>Lightweight Rifle Graphite 46" Wood Shafts (for Drivers)</b>																			
R65	65.7	.334	.605	24.06	22.97	11.32	310.1	197.0	50.6	62.5	247	37	18	2.1	3.83	3.99	45"-BB	91	99
S65	66.2	.333	.605	24.06	22.94	11.34	310.5	197.2	50.6	62.7	260	43	20	2.2	4.16	4.31	45"-BB	95	113
X65	69.3	.334	.604	23.75	22.72	11.50	312.9	196.3	50.6	66.0	275	47	25	1.9	3.99	4.10	45"-BB	101	129
R75	73.7	.334	.604	24.25	23.19	11.76	317.3	196.6	50.6	70.1	246	38	16	2.4	4.54	4.56	45"-BB	88	97
S75	73.0	.334	.603	24.19	23.00	11.71	316.4	196.3	50.6	69.5	257	42	19	2.2	4.27	4.32	45"-BB	93	110
X75	76.4	.334	.605	24.31	23.25	11.87	319.0	195.9	50.6	72.5	274	45	21	2.1	4.27	4.29	45"-BB	99	119
<b>Lightweight Rifle Graphite 45" Wood Shafts (for 3-woods)</b>																			
R65	65.8	.332	.605	23.81	22.72	10.83	318.4	205.5	50.6	62.3	257	39	19	2.1	3.87	3.94	44"-BB	91	96
S65	65.6	.333	.606	23.63	22.50	10.83	318.3	205.1	50.6	62.6	270	44	23	1.9	3.99	4.04	44"-BB	95	111
R75	72.6	.335	.605	23.19	22.06	11.05	322.1	202.5	50.6	69.0	255	39	23	1.7	4.01	4.05	44"-BB	91	102
S75	73.2	.334	.604	23.25	22.15	11.10	322.9	202.8	50.6	69.5	272	44	26	1.7	3.86	3.91	44"-BB	97	116
<b>Lightweight Rifle Graphite 44" Wood Shafts (for 5 and 7 woods)</b>																			
R65	63.4	.334	.606	23.00	21.94	10.15	323.8	213.2	50.6	60.0	267	49	25	2.0	3.78	3.89	43"-BB	92	111
S65	64.8	.332	.606	23.00	21.94	10.22	324.9	213.0	50.6	61.3	276	52	27	1.9	3.83	3.92	43"-BB	95	119
R75	75.9	.334	.606	22.69	21.66	10.67	332.7	210.0	50.6	72.1	266	46	23	2.0	4.11	4.25	43"-BB	90	104
S75	73.2	.334	.604	23.28	22.19	10.65	332.4	212.1	50.6	69.7	283	53	25	2.1	4.18	4.27	43"-BB	96	117
<b>Lightweight Rifle Graphite 38" Iron Shaft</b>																			
R75	71.9	.370	.604	19.56	19.09	8.38	378.6	258.1	50.6	69.9	297	75	46	1.6	3.96	4.09	38.5"	67	75
<b>Precision Lite 46" A&amp;L Combination Wood Shaft</b>																			
A	117.1	.334	.556	24.19	21.88	12.24	364.1	207.7	50.6	105.8	236	39	13	3.0	3.24	3.58	43"-M2	84	74

**ROYAL PRECISION continued**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Precision Lite 47" R&amp;S Combination Wood Shaft</b>																			
R	119.8	.333	.600	24.88	22.00	12.21	363.4	207.6	50.6	105.2	246	40	13	3.1	3.10	3.42	43"-M2	88	76
S	120.4	.334	.600	24.84	21.94	12.25	364.2	206.5	50.6	107.1	258	45	17	2.6	2.88	3.36	43"-M2	94	89
<b>Precision Lite 42" A&amp;L Combination Iron Shaft</b>																			
A	118.3	.369	.558	20.88	17.94	8.71	412.6	262.1	50.6	99.9	292	77	50	1.5	1.96	2.31	37.5"	73	72
<b>Precision Lite 43" R&amp;S Combination Iron Shaft</b>																			
R	126.0	.367	.598	21.63	18.13	8.85	416.6	262.0	50.6	104.0	300	78	50	1.6	1.92	2.24	37.5"	75	72
S	126.3	.367	.598	21.63	18.13	8.87	417.0	262.0	50.6	104.4	311	83	53	1.6	1.80	2.25	37.5"	79	80
<b>Precision SuperLite 41" Iron Shaft</b>																			
R	102.2	.370	.601	20.19	17.69	8.32	401.9	262.7	50.6	88.6	298	75	50	1.5	1.97	2.19	37.5"	75	71
S	107.3	.370	.600	20.19	17.69	8.46	405.7	262.3	50.6	92.8	306	77	53	1.5	1.84	2.06	37.5"	78	74
<b>Project X Iron Shafts</b>																			
5.5	118.3	.367	.598	19.75	17.78	8.84	416.1	259.1	50.6	106.4	321	89	64	1.4	1.60	1.71	37.5"	84	87
6.5	123.8	.366	.598	19.81	17.97	9.04	422.2	259.1	50.6	112.5	332	92	67	1.4	1.50	1.62	37.5"	88	90
<b>Rifle Wood Shafts</b>																			
4.5	109.0	.333	.598	23.69	21.94	11.91	357.3	205.3	51.0	101.0	247	40	16	2.5	3.16	3.33	43"-M2	88	80
5.5	122.5	.332	.597	24.19	22.06	12.33	365.9	203.2	51.0	111.7	266	44	17	2.6	2.80	2.96	43"-M2	97	87
6.0	126.2	.331	.599	23.75	21.88	12.48	369.3	201.8	51.0	116.5	273	47	19	2.5	2.64	2.87	43"-M2	101	94
6.5	130.5	.333	.597	24.13	22.06	12.64	373.1	202.9	51.0	119.2	274	50	20	2.5	2.64	2.85	43"-M2	102	100
7.0	130.3	.331	.599	23.88	21.94	12.61	372.2	201.6	51.0	119.6	276	52	21	2.5	2.62	2.81	43"-M2	102	103
<b>Rifle Iron Shafts</b>																			
4.5	123.4	.367	.602	21.56	18.31	8.78	414.4	259.0	51.0	104.4	307	80	52	1.5	1.86	2.22	37.5"	78	75
5.5	124.8	.367	.599	21.38	18.50	8.90	418.0	259.3	51.0	107.7	319	83	55	1.5	1.78	2.10	37.5"	81	78
6.0	129.9	.369	.600	21.38	18.50	9.02	421.6	258.9	51.0	111.7	323	86	58	1.5	1.70	1.99	37.5"	83	82
6.5	132.1	.371	.600	21.44	18.63	9.12	424.3	258.9	51.0	114.4	328	90	60	1.5	1.66	1.97	37.5"	85	85
7.0	143.4	.370	.599	21.41	18.28	9.36	431.4	258.9	50.6	121.9	335	95	62	1.5	1.55	1.84	37.5"	88	89

<b>SK FIBER</b>
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Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Lite Revolution I Wood Shaft</b>																			
R	63.8	.335	.602	25.56	23.50	11.16	307.5	199.1	50.6	57.8	244	35	11	3.2	4.63	4.72	45"-BB	87	83
S	69.3	.336	.608	25.69	23.63	11.34	310.3	196.6	50.6	63.1	260	42	11	3.8	4.07	4.19	45"-BB	95	95
<b>Pure Energy Wood Shaft</b>																			
R	60.7	.335	.603	25.94	23.88	11.03	305.7	199.9	50.6	55.2	242	34	8	4.3	4.78	4.89	45"-BB	86	76
S	64.5	.336	.603	25.69	23.56	11.25	308.9	199.8	50.6	58.5	254	37	10	3.7	4.73	4.89	45"-BB	90	85
<b>Tri-Tec 38.5" Iron Shaft</b>																			
S	79.4	.371	.607	20.88	20.13	8.67	385.6	259.0	50.6	76.0	302	81	45	1.8	2.94	2.99	38.5"	72	78
<b>Tour Performance Taper Tip Iron Shaft</b>																			
R	73.4	.352	.601	21.38	19.81	8.34	377.5	259.4	50.6	67.5	280	70	41	1.7	3.17	3.26	38.5"	66	69
S	77.9	.353	.608	21.56	19.94	8.48	380.9	259.1	50.6	71.2	290	74	42	1.8	3.35	3.39	38.5"	67	72
<b>Tour Trac 80 Wood Shaft</b>																			
R	80.0	.335	.605	25.06	23.84	11.70	333.4	207.7	50.6	75.1	246	41	9	4.6	4.70	4.75	44"-M2	84	79
S	80.9	.334	.604	24.94	23.63	11.76	334.6	208.0	50.6	76.0	257	44	12	3.7	4.54	4.63	44"-M2	89	88
<b>Tour Trac 80 Iron Shafts</b>																			
R	73.0	.370	.599	21.31	19.88	8.30	376.8	259.2	50.6	67.0	284	71	39	1.8	3.42	3.69	38.5"	66	68
S	75.2	.370	.602	21.56	20.13	8.41	379.2	259.5	50.6	69.1	292	76	41	1.9	3.15	3.45	38.5"	69	73
<b>Tour Trac 90 Wood Shaft</b>																			
S	90.1	.335	.602	25.63	23.81	11.99	338.7	206.1	50.6	82.0	259	45	15	3.0	4.15	4.23	44"-M2	91	95
<b>Tour Trac 100 Wood Shaft</b>																			
S	97.0	.336	.610	25.88	24.12	12.30	344.6	205.7	50.6	88.3	263	46	13	3.5	3.48	3.54	44"-M2	96	93
<b>SK Fiber V.I.P. Wood Shaft</b>																			
A	65.0	.335	.579	23.88	23.50	11.41	311.7	197.1	50.6	64.0	227	29	6	4.8	5.57	5.59	45"-BB	78	63

<b>TRUE TEMPER</b>
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<b>BiMatrx Wood Shafts</b>																			
R	74.8	.333	.601	21.31	19.25	10.87	318.9	199.6	50.6	68.7	240	34	16	2.1	3.81	3.91	44"-M2	86	79
S	77.2	.333	.608	21.69	19.56	10.98	321.0	199.9	50.6	70.5	251	40	17	2.4	3.67	3.75	44"-M2	90	90

**TRUE TEMPER continued**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Crossfire Fairway Wood Shafts</b>																			
R	98.6	.337	.601	23.19	22.25	11.66	351.7	206.9	51.0	93.8	248	40	14	2.9	3.09	3.23	43"-BB	89	81
S	98.3	.338	.600	23.13	22.19	11.64	351.5	206.7	51.0	93.8	253	42	17	2.5	2.88	2.98	43"-BB	92	89
<b>Crossfire Hybrid Iron Shafts</b>																			
R	100.9	.373	.605	21.31	19.91	9.72	386.6	241.9	51.0	93.7	278	62	37	1.7	2.31	2.39	39.5"	72	67
S	102.6	.374	.604	21.38	20.00	9.77	387.7	241.6	51.0	95.1	285	65	40	1.6	2.20	2.24	39.5"	74	71
<b>Custom Lite 43" Iron Shaft</b>																			
Soft R	118.7	.369	.610	21.75	18.44	8.76	414.0	263.7	50.6	99.7	303	77	49	1.6	1.95	2.33	37.5"	76	71
Firm R	119.3	.369	.609	21.75	18.44	8.77	414.3	263.7	50.6	100.0	310	82	52	1.6	1.86	2.32	37.5"	78	76
Soft S	119.5	.369	.616	21.75	18.44	8.77	414.3	263.7	50.6	100.0	316	84	55	1.5	1.79	2.32	37.5"	81	79
Firm S	120.5	.370	.612	21.69	18.38	8.79	414.8	263.5	50.6	100.7	322	87	60	1.5	1.67	2.30	37.5"	83	83
<b>Dynalite Steel 46" A&amp;L Combination Flex Wood Shafts</b>																			
L	110.3	.334	.580	24.50	21.63	11.32	351.0	207.2	47.3	96.5	233	38	13	2.9	3.47	3.74	42"-M2	79	62
A	110.1	.333	.578	22.25	11.93	11.93	357.6	207.1	51.1	99.4	232	35	13	2.7	3.46	3.91	43"-M2	81	69
<b>Dynalite Steel 40" A&amp;L Combination Flex Iron Shafts</b>																			
L	----	----	----	----	17.56	8.26	411.2	265.7	50.6	94.9	290	79	50	1.6	2.06	----	36.5"	70	66
A	----	----	----	----	18.44	8.87	416.9	263.4	50.6	98.0	290	75	47	1.6	2.02	----	37.5"	72	69
<b>Dynalite Steel 47" R&amp;S Combination Flex Wood Shaft</b>																			
R	117.0	.334	.603	23.88	21.19	11.93	357.6	203.3	51.0	103.3	256	43	17	2.5	2.87	3.09	43"-M2	93	86
S	117.3	.334	.603	23.88	21.25	11.97	358.4	203.5	51.0	103.9	265	46	19	2.4	2.68	3.05	43"-M2	98	93
<b>Dynalite Steel 41" R&amp;S Combination Flex Iron Shaft</b>																			
R	----	----	----	----	18.25	8.90	418.0	264.3	50.6	103.1	304	83	51	1.6	1.89	----	37.5"	77	76
S	----	----	----	----	18.44	8.87	416.9	263.4	50.6	102.9	317	87	55	1.6	1.79	----	37.5"	81	80
<b>Dynalite Gold with SensiCore Wood Shafts</b>																			
R300	118.1	.334	.600	22.94	21.31	12.16	362.4	203.0	50.0	109.4	254	42	18	2.3	2.88	3.06	43"-M2	93	86
S300	117.6	.334	.600	23.13	21.50	12.18	363.0	203.9	50.0	109.1	263	45	18	2.5	2.69	3.01	43"-M2	97	90
<b>Dynalite Gold with Sensicore Iron Shafts</b>																			
R300	122.2	.369	.601	20.31	18.38	8.99	420.3	259.8	50.0	110.5	297				2.02	2.21	37.5"	74	
S300	122.6	.369	.600	20.31	18.50	9.01	421.2	260.1	50.0	111.1	311	81	53	1.5	1.91	2.12	37.5"	78	76

**TRUE TEMPER continued**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Dynalite Gold Steel Wood Shafts</b>																			
R300	112.0	.334	.602	23.00	21.31	12.00	358.8	204.5	51.0	103.3	258	42	17	2.5	2.82	3.09	43"-M2	94	84
S300	111.9	.334	.601	22.88	21.19	11.94	357.9	203.6	51.0	103.3	266	45	18	2.5	2.64	2.82	43"-M2	99	90
X100	117.3	.334	.602	22.75	21.13	12.10	361.2	201.4	51.0	108.6	278	47	23	2.0	2.41	2.59	43"-M2	105	100
<b>Dynalite Gold Steel Iron Shafts</b>																			
R300	117.6	.368	.600	20.31	18.44	8.83	416.0	259.9	50.6	105.5	298	79	50	1.6	1.93	----	37.5"	75	74
S300	117.5	.368	.600	20.25	18.38	8.83	416.0	259.9	50.6	105.8	308	84	51	1.6	1.79	----	37.5"	78	76
X100	117.0	.369	.600	20.00	18.13	8.78	414.6	258.4	50.6	105.6	322	89	57	1.6	1.63	----	37.5"	84	83
<b>Dynalite Gold 40" Taper Tip Iron Shafts</b>																			
R300	116.3	.335	.579	19.94	17.94	8.80	415.1	259.0	51.1	105.0	295	75	55	1.4	1.95	2.06	37.5"	74	74
S300	119.6	.356	.601	19.88	17.94	8.86	416.8	258.5	50.2	108.1	307	81	57	1.3	1.82	1.91	37.5"	78	78
<b>Dynamic Steel 47" R&amp;S Combination Flex Wood Shaft</b>																			
R	131.2	.333	.601	25.13	22.25	12.56	371.2	205.3	51.0	114.9	250	44	16	2.8	2.94	3.19	43"-M2	91	86
S	131.4	.333	.602	25.13	22.25	12.62	372.4	204.8	51.0	116.6	261	47	16	2.9	2.80	3.21	43"-M2	96	90
<b>Dynamic Steel 41" R&amp;S Combination Flex Iron Shaft</b>																			
R	128.9	.365	.598	20.81	18.44	9.04	422.0	258.5	50.6	112.9	310	84	54	1.6	1.76	----	37.5"	79	78
S	128.5	.365	.598	20.88	18.63	9.06	422.8	259.6	50.6	112.6	323	94	59	1.6	1.64	----	37.5"	84	87
<b>Dynamic Gold .335" Steel Wood Shafts</b>																			
R200	120.6	.334	.600	24.06	22.25	12.39	367.5	205.3	51.0	111.2	248	42	15	2.8	2.99	3.23	43"-M2	90	80
R300	121.7	.335	.600	24.13	22.31	12.42	368.1	205.1	51.0	112.0	249	42	15	2.8	2.98	3.23	43"-M2	90	80
R400	124.0	.334	.601	24.00	22.19	12.49	369.6	204.2	51.0	114.4	250	43	15	2.9	2.93	3.18	43"-M2	91	83
S200	121.8	.333	.601	24.13	22.31	12.47	369.1	205.6	51.0	112.5	259	46	16	2.9	2.80	3.01	43"-M2	95	89
S300	123.8	.335	.601	24.00	22.25	12.49	369.7	204.4	51.0	114.3	261	47	16	2.9	2.75	2.97	43"-M2	95	90
S400	125.6	.336	.600	23.69	22.06	12.49	369.7	202.6	51.0	116.1	262	47	17	2.8	2.72	2.92	43"-M2	97	90
X100	120.5	.334	.599	23.94	22.19	12.39	367.4	205.2	51.0	111.2	269	49	18	2.7	2.67	2.89	43"-M2	99	96
<b>Dynamic Gold .350" Steel Wood Shafts</b>																			
R300	124.0	.352	.602	23.75	21.94	12.51	370.0	205.5	50.6	113.9	248	44	19	2.3	2.80	2.99	43"-M2	91	90
S300	127.3	.351	.600	23.81	22.00	12.61	372.2	204.5	50.6	117.1	261	49	21	2.3	2.62	2.80	43"-M2	97	100

**TRUE TEMPER continued**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Dynamic Gold Steel 40" Iron Shafts</b>																			
R200	121.9	.368	.599	20.06	18.19	8.94	419.0	258.6	50.6	109.8	302	82	52	1.6	1.83	2.02	37.5"	77	76
R300	123.5	.368	.600	20.13	18.25	8.99	420.6	259.1	50.6	110.9	304	83	53	1.6	1.80	2.02	37.5"	77	77
R400	125.4	.368	.600	20.06	18.25	9.04	422.0	258.2	50.6	113.2	307	84	53	1.6	1.79	2.04	37.5"	78	78
S200	125.4	.369	.600	20.19	18.31	9.04	422.0	258.7	50.6	112.7	318	90	55	1.6	1.67	1.89	37.5"	82	82
S300	127.1	.369	.599	20.19	18.38	9.08	423.4	258.4	50.6	114.4	320	91	56	1.6	1.66	1.87	37.5"	83	83
S400	128.6	.369	.600	20.25	18.38	9.11	424.2	258.2	50.6	115.4	322	91	56	1.6	1.66	1.88	37.5"	83	83
X100	127.4	.369	.600	20.13	18.25	9.09	423.5	258.0	50.6	114.9	329	93	58	1.6	1.62	1.80	37.5"	86	85
<b>Dynamic Gold 39" Taper Tip Iron Shafts</b>																			
R300	125.0	.355	.578	19.38	17.94	9.22	427.3	260.5	51.2	115.6	295	80	59	1.4	1.75	1.84	37.5"	76	79
S300	130.9	.356	.603	19.56	18.06	9.35	431.2	260.0	50.2	121.0	321	88	65	1.4	1.58	1.63	37.5"	84	87
<b>Dynamic Gold w/ SensiCore Steel Wood Shafts</b>																			
R300	120.7	.334	.600	24.00	22.13	12.40	367.8	206.2	51.0	110.6	241	42	16	2.6	3.12	3.27	43"-M2	86	83
S300	120.8	.334	.602	24.13	22.25	12.46	368.9	207.0	51.0	110.9	252	45	15	3.0	2.93	3.16	43"-M2	91	86
X100	118.6	.334	.601	24.06	22.25	12.29	365.2	206.3	50.0	108.9	259	44	19	2.3	2.79	2.92	43"-M2	95	90
<b>Dynamic Gold w/ SensiCore Steel Iron Shafts</b>																			
R300	123.4	.367	.600	20.25	18.38	9.05	422.3	259.6	51.0	111.7	303	83	53	1.6	1.92	2.12	37.5"	76	77
S300	127.0	.369	.599	20.25	18.38	9.15	425.3	259.2	51.0	115.1	319	87	58	1.5	1.71	1.91	37.5"	82	82
X100	127.3	.370	.599	20.25	18.44	9.15	425.5	258.7	51.0	115.8	329	90	58	1.6	1.67	1.89	37.5"	85	84
<b>Dynamic Gold w/ SensiCore 39" Taper Tip Iron Shafts</b>																			
R300	125.0	.357	.579	19.56	18.13	9.25	428.0	261.2	51.2	115.6	298	80	58	1.4	1.78	1.84	37.5"	76	78
S300	126.5	.352	.602	19.69	18.25	9.26	428.7	261.4	50.2	117.1	317	87	60	1.5	1.65	1.64	37.5"	82	83
<b>Dynamic Gold Lite Iron Shafts</b>																			
R	108.4	.371	.612	20.75	18.31	8.53	407.7	263.0	50.2	94.5	282				2.34	2.53	37.5"	68	
S	108.7	.369	.611	20.81	18.44	8.56	408.6	263.4	50.2	95.0	294	74	42	1.8	2.16	2.41	37.5"	72	66
X	111.2	.369	.613	20.81	18.25	8.62	410.1	262.9	50.2	97.0	308	82	52	1.6	1.97	2.16	37.5"	77	75
<b>Dynamic Gold Lite w/ SensiCore Iron Shafts</b>																			
R	113.6	.370	.611	21.00	18.63	8.75	413.6	263.9	50.2	99.5	282	68	44	1.5	2.36	2.55	37.5"	68	63
S	114.1	.369	.613	20.94	18.44	8.73	413.1	262.8	50.2	100.1	295	76	46	1.7	2.10	2.34	37.5"	73	69
X	113.7	.369	.614	21.00	18.56	8.76	413.9	263.9	50.2	99.8	307	80	49	1.6	2.03	2.24	37.5"	76	73

**TRUE TEMPER continued**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Dynamic Gold Lite 39" Taper Tip Iron Shafts</b>																			
R	109.2	.354	.613	19.69	18.13	8.69	411.8	261.2	50.2	100.4	289	73	48	1.5	2.15	2.19	37.5"	71	68
S	109.7	.356	.613	19.69	18.19	8.74	413.4	261.9	50.2	101.3	304	79	51	1.5	2.00	2.04	37.5"	76	74
X	110.8	.355	.614	19.50	18.06	8.74	413.3	260.7	50.2	102.4	316	84	57	1.5	1.83	1.91	37.5"	80	80
<b>EI-70 Wood Shafts (1999-present)</b>																			
S	86.3	.335	.582	23.50	21.88	11.76	334.4	203.2	51.0	80.2	268	48	20	2.4	3.73		44"-M2	96	107
Tour S	82.3	.335	.606	23.75	22.06	11.63	332.3	204.8	51.0	76.5	267	49	22	2.2	4.13		44"-M2	94	112
<b>Release Steel Wood Shafts</b>																			
Ladies	107.4	.334	.582	22.38	20.69	11.23	349.0	202.8	47.3	98.9	232	37	16	2.3	3.31	3.58	42"-M2	79	68
Men's	110.0	.334	.602	22.88	21.25	11.82	355.2	202.4	51.0	101.8	234	35	16	2.2	3.20	3.34	43"-M2	83	73
<b>Release Iron Shafts</b>																			
Ladies	100.6	.369	.579	19.56	17.69	7.82	399.0	261.5	47.3	90.2	270	69	45	1.5	2.41	2.69	36.5"	63	58
Men's	105.4	.370	.600	19.88	18.06	8.46	405.8	260.9	50.6	94.3	275	74	49	1.5	2.18	2.39	37.5"	67	70
<b>Release 38" Taper Tip Iron Shaft</b>																			
Men's	106.4	.352	.601	19.06	18.13	8.67	411.5	259.8	50.6	101.1	284	71	50	1.4	2.01	2.08	37.5"	71	68
<b>Release with SensiCore Wood Shafts</b>																			
Ladies	113.3	.334	.577	22.31	20.75	11.45	353.8	201.8	47.1	104.9	230	36	17	2.1	3.36	3.58	42"-M2	78	68
Men's	118.0	.332	.602	23.00	21.44	12.22	363.6	203.2	51.0	109.4	233				3.21	3.45	43"-M2	83	
<b>Release with SensiCore Iron Shafts</b>																			
Ladies	109.6	.369	.580	19.44	17.56	8.12	407.0	260.7	47.1	99.2	274	70	45	1.6	2.38	2.59	36.5"	64	59
Men's	112.5	.369	.600	19.94	18.19	8.75	413.6	260.5	51.0	102.1	276	67	45	1.5	2.24	2.44	37.5"	67	63
<b>Rocket BiMatrix Wood Shafts</b>																			
R	76.7	.332	.595	22.13	20.44	10.92	319.8	198.4	50.6	70.8	256	44	16	2.8	4.84	5.03	44"-M2	87	95
S	78.4	.333	.599	22.19	20.50	11.09	322.5	199.8	50.6	72.1	262	46	15	3.1	4.65	4.83	44"-M2	90	96
<b>TT Lite Steel 46" A&amp;L Combination Flex Wood Shaft</b>																			
L	112.5	.335	.580	24.50	21.63	11.37	352.1	206.4	47.3	98.4	241	38	15	2.5	3.27	3.53	42"-M2	83	68
A	112.4	.334	.581	24.44	22.19	12.04	359.8	206.7	51.1	102.0	239	39	13	3.0	3.23	3.56	43"-M2	85	74

**TRUE TEMPER continued**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>TT Lite Steel 40" A&amp;L Combination Flex Iron Shaft</b>																			
L	110.5	.371	.580	20.13	17.58	8.35	417.2	268.2	53.1	95.9	298	83	58	1.6	1.83	----	36.5"	73	72
A	110.5	.371	.582	20.13	18.06	8.84	416.3	265.2	52.6	98.5	297	81	54	1.5	1.81	----	36.5"	76	76
<b>TT Lite XL 48" R&amp;S Combination Wood Shafts</b>																			
R	125.0	.333	.600	25.69	22.31	12.18	362.9	205.7	50.0	107.2	244	43	14	3.1	3.04	3.51	43"-M2	88	82
S	126.0	.334	.599	25.63	22.25	12.26	364.6	204.8	50.0	109.8	258	46	15	3.0	2.88	3.53	43"-M2	94	87
<b>TT Lite XL 43" R&amp;S Combination Flex Iron Shafts</b>																			
R	126.4	.367	.600	21.75	18.38	8.85	416.6	260.7	50.0	105.9	315	86	55	1.6	1.87	2.30	37.5"	80	80
S	126.3	.368	.599	21.81	18.50	8.89	417.5	261.4	50.0	106.1	325	90	57	1.6	1.75	2.31	37.5"	83	83
<b>TT Lite XL 38" Taper Tip Iron Shafts</b>																			
R	107.5	.353	.622	19.19	18.19	8.54	407.9	259.6	46.3	102.0	312	82	54	1.5	2.05	2.11	37.5"	77	80
S	113.6	.354	.620	19.06	18.19	8.72	413.0	258.6	46.3	108.1	333	89	60	1.5	1.79	1.86	37.5"	85	84
<b>TX-90 Wood Shafts</b>																			
A	102.3	.334	.608	24.25	22.09	11.64	351.6	208.5	50.6	92.5	268	49	16	3.1	2.76	3.01	43"-M2	98	93
R	104.7	.334	.612	24.25	22.00	11.74	353.5	208.1	50.6	94.8	275	49	20	2.5	2.57	2.84	43"-M2	102	99
S	107.3	.333	.609	24.25	21.94	11.83	355.5	207.8	50.6	97.1	281	51	22	2.3	2.42	2.67	43"-M2	106	104
<b>TX-90 Iron Shafts</b>																			
A	100.0	.370	.597	20.06	17.75	8.30	401.3	263.0	50.6	87.5	291	75	47	1.6	2.08	2.37	37.5"	72	69
R	104.0	.370	.597	20.06	17.78	8.37	403.5	261.8	50.6	91.1	300	79	50	1.6	1.95	2.21	37.5"	75	73
S	107.0	.369	.602	20.50	18.50	8.51	407.0	262.7	50.6	93.7	310	84	52	1.6	1.84	2.11	37.5"	79	77
<b>TX-90 Tour Iron Shafts</b>																			
R	105.8	.368	.602	20.44	18.19	8.51	407.0	263.1	51.0	92.9	292	77	46	1.7	2.09	2.35	37.5"	72	70
S	108.4	.367	.602	20.50	18.22	8.59	409.4	263.1	51.0	95.3	305	81	51	1.6	1.90	2.18	37.5"	77	75

**UNITED SPORTS TECHNOLOGIES**

<b>Accra SC 65 Wood Shafts</b>																			
R	69.4	.341	.604	23.81	22.94	11.45	312.0	195.0	50.6	66.4	251	37	11	3.4	2.98	3.07	45"-BB	98	86
S	70.2	.338	.606	23.94	23.06	11.49	312.8	195.0	50.6	67.2	262	40	15	2.7	2.95	3.00	45"-BB	102	99
X	75.5	.341	.610	24.09	23.19	11.71	316.5	193.7	50.6	72.2	274	44	15	2.9	2.91	2.98	45"-BB	107	106

**UNITED SPORTS TECHNOLOGIES continued**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Competition Pro 47" A&amp;L Combination Flex Wood Shaft</b>																			
L	80.8	.336	.592	24.50	21.44	10.23	311.8	199.9	41.8	70.1	245	40	18	2.2	5.75	6.03	43"-M2	78	83
A	82.4	.337	.597	24.56	22.28	11.35	327.2	203.2	50.6	73.4	244	39	15	2.6	5.75	6.23	44"-M2	80	85
<b>Competition Pro 47" R&amp;S Combination Flex Wood Shaft</b>																			
R	86.2	.338	.600	24.75	22.34	11.51	330.1	202.8	50.6	76.7	257	43	17	2.5	5.84	6.03	44"-M2	84	95
S	86.9	.337	.600	24.81	22.44	11.62	331.9	203.7	50.6	77.6	264	48	20	2.4	5.00	6.02	44"-M2	89	107
<b>Competition Pro 42" A&amp;L Combination Flex Iron Shaft</b>																			
L	79.0	.372	.596	20.88	17.94	7.29	361.3	253.5	41.8	66.0	283	73	49	1.5	4.31	5.05	37.5"	60	69
A	78.5	.373	.597	20.91	18.75	8.23	375.2	257.6	50.6	67.0	278	71	41	1.7	4.18	5.16	38.5"	62	70
<b>Competition Pro 42" R&amp;S Combination Flex Iron Shaft</b>																			
R	81.4	.372	.604	21.31	19.00	8.34	377.6	256.5	50.6	70.5	296	77	48	1.6	4.28	4.99	38.5"	65	78
S	82.1	.371	.602	21.38	19.25	8.39	378.7	256.8	50.6	71.3	306	81	49	1.7	4.04	4.99	38.5"	68	81
<b>iRoD Hybrid Utility Shaft</b>																			
R	80.0	.374	.598	20.69	19.31	8.90	367.6	243.7	50.9	73.0	264	59	41	1.4	2.64	2.87	39.5"	66	68
S	82.9	.375	.604	20.81	19.31	9.02	370.2	243.3	50.9	76.0	275	65	45	1.4	2.56	2.80	39.5"	70	74
<b>iRoD Hybrid Long Iron Shaft</b>																			
R	77.1	.374	.598	20.53	19.50	8.71	363.5	240.7	50.9	71.9	261	56	30	1.9	2.74	2.89	39.5"	65	58
S	79.6	.374	.600	20.63	19.59	8.83	366.1	241.0	50.9	74.2	270	59	34	1.7	2.68	2.85	39.5"	68	63
<b>iRoD Utility Fairway Wood Shaft</b>																			
R	72.5	.338	.610	23.13	22.22	10.62	331.9	211.9	50.9	69.1	256	45	19	2.4	3.99	4.06	43"-BB	87	96
S	71.3	.339	.607	23.13	22.13	10.57	331.1	212.1	50.9	68.1	266	50	23	2.2	4.07	4.16	43"-BB	90	110
<b>ProForce 55 Wood Shafts</b>																			
R	62.8	.340	.609	24.16	23.25	11.14	307.3	197.1	50.2	60.0	245	30	10	3.0	5.65	5.70	45"-BB	84	72
S	62.8	.339	.611	24.38	23.38	11.16	307.5	197.2	50.2	60.1	266	36	14	2.6	5.49	5.56	45"-BB	92	90
<b>Proforce 65 Wood Shafts</b>																			
R	70.5	.339	.605	23.56	22.63	11.47	312.3	194.2	50.2	67.9	242	33	14	2.4	3.73	4.48	45"-BB	90	85
S	70.0	.340	.613	23.88	22.94	11.57	314.2	196.9	50.2	67.1	257	37	16	2.3	3.57	4.26	45"-BB	96	95
X	73.9	.341	.618	24.00	23.03	11.71	316.3	195.0	50.6	70.7	268	42	16	2.6	3.86	3.93	45"-BB	99	104

**UNITED SPORTS TECHNOLOGIES continued**

Flex	Raw Weight (g)	Tip Diam. (in.)	Butt Diam. (in.)	BP1 (in.)	BP2 (in.)	BP3 (in.)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (g)	Freq. (cpm)	Butt Deflect. (oz.)	Tip Deflect. (.oz.)	T/B Ratio	Torque Cut (deg)	Torque Raw (deg)	Length -Bore Type	DSFI F / T method	DSFI Deflect. method
<b>Proforce 75 Wood Shafts</b>																			
R	79.9	.342	.613	24.31	22.56	11.46	329.2	204.9	50.9	73.4	254	42	18	2.3	3.72	3.80	44"-M2	91	85
S	80.8	.339	.615	24.56	22.75	11.51	330.1	205.2	50.9	74.0	266	47	19	2.5	3.70	3.79	44"-M2	96	104
X	83.3	.340	.618	24.63	22.75	11.59	331.5	204.6	50.6	76.3	276	49	23	2.1	3.70	3.81	44"-M2	99	114
<b>ProForce 75 Rv2 Iron Shaft</b>																			
R	78.9	.374	.600	20.25	18.75	8.10	383.8	261.6	51.0	71.2	284	73	41	1.8	2.99	3.42	38"	66	68
S	82.4	.370	.604	20.56	19.00	8.18	385.8	260.1	51.0	74.7	306	80	48	1.7	2.94	3.32	38"	72	76
<b>ProForce 95 Rv2 Iron Shaft</b>																			
R	97.0	.375	.600	20.38	18.81	8.67	398.0	258.3	51.0	88.7	299	80	48	1.7	2.54	2.99	38"	72	76
S	98.5	.374	.602	20.41	18.75	8.73	399.8	258.1	51.0	90.7	305	80	52	1.5	2.58	3.04	38"	73	78
<b>ProForce 115 Rv2 Iron Shaft</b>																			
R	109.4	.373	.603	20.69	19.06	9.07	408.7	256.7	51.0	101.0	299	79	50	1.6	2.28	2.71	38"	74	77
S	112.1	.373	.601	20.69	19.13	9.19	412.0	257.1	51.0	103.9	314	84	56	1.5	2.17	2.68	38"	78	83
<b>ProForce ATR Wood Shafts</b>																			
L	71.3	.339	.588	23.19	22.31	11.19	311.3	192.4	50.6	68.3	224	30	8	3.8	4.31	4.40	44"-BB	78	63
A	71.1	.340	.590	23.63	22.75	11.49	312.6	194.1	50.6	67.9	227	29	8	3.6	4.19	4.26	45"-BB	82	67
R	71.7	.338	.615	23.81	22.94	11.56	313.8	194.4	50.6	68.8	238	32	11	2.9	4.00	4.07	45"-BB	87	77
S	76.5	.340	.619	24.06	23.19	11.78	317.6	193.9	50.6	73.1	254	39	14	2.8	3.94	4.02	45"-BB	93	95
<b>ProForce Fairway Wood Shafts</b>																			
R	81.6	.341	.606	23.19	21.97	11.12	341.2	213.8	50.6	76.8	265	49	22	2.2	3.26	3.33	43"-M2	94	102
S	84.0	.338	.610	23.38	22.19	11.24	343.6	213.6	50.6	79.4	276	50	24	2.1	3.14	3.22	43"-M2	99	106
<b>ProForce LD Wood Shaft (D-5 swingweight)</b>																			
X	87.1	.342	.620	26.50	24.38	13.26	319.2	189.3	50.6	79.3	264	39	12	3.3	3.99	4.17	47"-M2	104	103
<b>ProForce XL Wood Shaft</b>																			
A	55.8	.333	.597	23.88	22.88	10.88	303.5	199.8	50.6	53.1	224	27	6	4.5	4.84	4.86	45"-BB	79	59
R	57.5	.335	.601	23.94	22.88	10.96	304.6	199.3	50.6	54.7	240	34	10	3.4	4.65	4.73	45"-BB	85	79
S	59.8	.337	.601	23.88	23.00	11.07	306.2	198.3	50.6	57.3	259	41	15	2.7	4.56	4.64	45"-BB	93	101
<b>Super 47 Wood Shafts</b>																			
R	48.6	.334	.608	23.94	23.00	10.36	295.8	199.4	50.0	46.4	233	32	10	3.2	5.45	5.49	45"-BB	80	76
S	49.6	.335	.614	24.25	23.31	10.42	296.5	199.2	50.0	47.3	247	37	11	3.4	5.37	5.42	45"-BB	85	86