

2019
**Shaft Fitting
Addendum**

**Chapter 2
Current Shaft Data
Alphabetical Listings by
Manufacturer**

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Flex	Raw Weight (g)	Tip Dia. (in.)	Butt Dia. (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
Velocity 45 Wood Shafts																	(no tip trimming)	
L	51.6	.336	.585	22.75	21.88	10.71	281.6	190.2	42.1	49.3	225	29	13	2.2	8.08	8.13	45.5 – M1	73
A	51.3	.337	.590	23.19	23.19	12.20	293.4	191.1	51.0	51.3	231	27	13	2.1	6.92	6.92	47 – M1	83
R	52.8	.337	.585	23.44	23.44	12.31	294.9	191.1	51.0	52.8	246	34	13	2.6	7.22	7.22	47 – M1	87
Velocity 46" A&L Wood Shafts																	(tip trimming L-flex 1", A-flex 2")	
L	66.1	.342	.588	24.75	23.44	10.61	302.0	198.2	42.1	61.7	234	25	4	6.3	6.00	6.54	44 -BB	76
A	68.3	.346	.580	23.25	22.50	11.45	312.0	195.9	51.0	65.1	231	26	7	3.7	6.69	7.13	45 -BB	76
Velocity 46" R&S Wood Shafts																	(tip trimming R-flex 1", S-flex 2")	
R	67.5	.337	.595	24.56	23.56	11.56	313.7	198.3	51.0	64.4	241	26	6	4.3	6.16	6.56	45 -BB	81
S	68.0	.337	.598	24.63	23.81	11.61	314.6	198.7	51.0	65.1	247	28	7	4.0	6.09	6.89	45 -BB	83
Velocity 40" A&L Iron Shafts																	(tip trimming L-flex 1", A-flex 2")	
L	61.8	.370	.574	20.19	18.06	6.91	353.1	256.5	42.1	54.5	247	48	35	1.4	4.05	4.50	37.5	66
A	63.5	.371	.573	20.00	18.63	7.89	367.5	258.7	51.0	57.8	251	50	30	1.7	4.29	4.72	38.5	68
Velocity 40" R&S Iron Shafts																	(tip trimming R-flex 1", S-flex 2")	
R	66.3	.371	.580	20.88	19.38	8.06	371.2	259.4	51.0	60.8	270	55	32	1.7	4.16	4.55	38.5	74
S	70.6	.372	.584	20.88	19.50	8.24	325.3	259.2	51.0	65.1	283	62	32	1.9	3.91	4.37	38.5	78

AEROTECH																		
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Claymore MX48 Wood Shaft																	(no tip trimming)	
S	48.3	.335	.607	22.00	21.00	10.37	295.8	198.4	51.0	46.4	232	24	18	1.3	5.23	5.34	45 – BB	81
Claymore MX60 Wood Shaft																	(no tip trimming)	
S	61.0	.337	.612	22.63	21.75	11.05	305.8	196.1	51.0	58.7	242	28	10	2.8	4.36	4.48	45 – BB	87
Powercoil RH50 Wood Shaft																	(no tip trimming)	
S	50.2	.332	.599	22.13	21.25	10.49	297.6	198.2	51.0	48.4	248	31	12	2.6	5.57	5.76	45 – BB	85
Powercoil RH65 Wood Shaft																	(no tip trimming)	
S	64.5	.338	.599	22.69	21.81	11.21	308.3	195.3	51.0	62.0	250	32	16	2.0	3.70	3.81	45 – BB	93
SteelFiber i70 Iron Shafts																	(1.5" tip trimming)	
R	74.5	.375	.601	20.00	18.13	8.18	373.8	255.8	51.0	67.0	283	63	41	1.5	2.91	3.28	38.5	83
S	74.8	.369	.605	20.25	18.25	8.21	374.6	256.1	51.0	67.5	298	67	42	1.6	2.87	3.26	38.5	88
SteelFiber i80 Iron Shafts																	(1.5" tip trimming)	
R	85.0	.371	.604	20.13	18.06	8.49	381.2	253.6	51.0	76.6	283	63	42	1.5	2.33	2.67	38.5	84
S	86.0	.373	.603	20.00	18.00	8.49	381.3	253.4	51.0	76.9	296	70	44	1.6	2.79	3.18	38.5	88

AEROTECH continued

Flex	Raw Weight (g)	Tip Dia. (in.)	Butt Dia. (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
SteelFiber i80 Taper 39.5" Iron Shafts																		
																	(no tip trimming)	
R	85.2	.356	.603	19.50	18.50	8.70	386.2	254.2	51.0	81.0	286	66	41	1.6	2.61	2.67	38.5	86
S	83.7	.357	.605	19.25	18.19	8.60	383.8	253.5	51.0	79.3	298	73	46	1.6	2.60	2.69	38.5	90
SteelFiber i95 Iron Shafts																		
																	(1.5" tip trimming)	
R	95.1	.373	.607	20.13	18.19	8.82	389.1	252.1	51.0	86.0	295	66	47	1.4	2.95	3.35	38.5	86
S	94.9	.377	.600	20.75	18.81	8.88	390.6	254.5	51.0	85.1	305	72	47	1.5	3.19	3.59	38.5	90
SteelFiber i95 Taper 39.5" Iron Shafts																		
																	(no tip trimming)	
R	95.5	.356	.604	20.31	19.31	9.13	397.0	255.3	51.0	90.7	285	65	46	1.4	3.08	3.18	38.5	83
S	96.1	.354	.602	19.75	18.81	9.07	395.5	253.4	51.0	91.1	303	74	45	1.6	3.00	3.05	38.5	89
SteelFiber i110 Iron Shafts																		
																	(1.5" tip trimming)	
R	110.6	.375	.604	21.56	19.50	9.45	405.4	254.7	51.0	99.7	288	69	48	1.4	2.77	3.11	38.5	85
S	109.1	.374	.602	21.25	19.19	9.36	403.0	253.6	51.0	98.4	300	72	53	1.4	2.83	3.20	38.5	89
SteelFiber i110 Taper 39.5" Iron Shafts																		
																	(no tip trimming)	
R	108.5	.355	.605	20.69	19.63	9.55	408.2	254.8	51.0	102.4	287	66	50	1.3	2.91	2.92	38.5	84
S	106.6	.356	.603	20.19	19.19	9.43	404.8	253.1	51.0	100.7	296	69	53	1.3	2.60	2.64	38.5	89

ALDILA

NV 55 Green Wood Shafts																		
																	(no tip trimming)	
L	53.4	.334	.610	23.13	21.63	9.91	291.4	199.4	42.1	49.9	219	25	10	2.5	5.19	5.48	44"-BB	73
R	55.4	.333	.622	23.44	22.50	10.85	302.8	199.0	50.9	52.9	240	30	15	2.0	5.20	5.26	45"-BB	83
S	57.3	.333	.620	23.63	22.69	10.96	304.5	198.9	50.9	54.7	253	36	17	2.1	5.02	5.10	45"-BB	89
NV 65 Green .335" Wood Shafts																		
																	(no tip trimming)	
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
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
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
NV 75 Green Wood Shafts																		
																	(no tip trimming)	
R	79.4	.335	.617	23.63	22.56	11.92	319.9	193.4	50.9	75.6	241	33	17	1.9	3.26	3.33	45"-BB	92
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	97
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
NV 85 Green Hybrid Utility Shafts																		
																	(no tip trimming)	
R	83.1	.369	.618	22.56	20.31	9.11	372.1	247.7	50.9	73.5	263	56	41	1.4	2.80	2.89	39.5"	81
S	82.9	.369	.619	22.50	20.25	9.09	371.9	247.5	50.9	73.5	276	61	43	1.4	2.73	2.86	39.5"	85
NVS 45 Pink Wood Shaft																		
																	(no tip trimming)	
L	46.6	.334	.609	23.75	22.19	9.64	287.5	201.9	42.1	43.5	219	24	9	2.7	6.33	6.69	44-BB"	71

ALDILA continued																		
Flex	Raw Weight (g)	Tip Dia. (in.)	Butt Dia. (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
NVS 65 Orange Wood Shafts																		(no tip trimming)
R	66.4	.333	.625	24.06	23.00	11.41	311.7	197.3	50.9	63.5	236	32	11	2.9	4.01	4.03	45"-BB	86
S	67.5	.333	.623	24.06	23.00	11.47	312.5	197.1	50.9	64.5	251	36	16	2.3	3.91	3.95	45"-BB	92
NVS 85 Orange Hybrid Shafts																		(no tip trimming)
R	80.3	.368	.617	22.88	20.69	9.04	370.7	248.7	51.0	71.0	259	54	29	1.9	2.82	2.94	39.5"	79
S	84.3	.368	.624	22.81	20.63	9.17	373.6	248.0	51.0	74.6	278	58	34	1.7	2.67	2.80	39.5"	86
R.I.P. Alpha 60 Wood Shaft																		(no tip trimming)
S	62.0	.336	.602	23.75	22.81	11.20	308.3	198.0	51.0	59.3	259	36	16	2.3	3.59	3.62	45 - BB	97
VL 46" A&L Combination Flex Wood Shaft																		(tip trimming L-flex 0", A-flex 2")
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
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
VL 41" A&L Combination Flex Iron Shaft																		(tip trimming L-flex 2", A-flex 4")
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"	68
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"	73
VL Hybrid Shafts																		(no tip trimming)
L	72.5	.374	.582	20.81	18.25	7.66	347.7	241.9	42.1	63.7	262	56	30	1.9	3.44	3.65	38.5	74
A	74.3	.374	.588	20.94	18.81	8.66	362.2	244.5	51.0	66.7	263	54	27	2.0	3.52	3.71	39.5	77
VS Proto by You 60 Wood Shafts																		(no tip trimming)
R	62.1	.335	.620	23.69	22.63	11.18	307.9	197.6	51.0	59.3	244	35	15	2.3	4.06	4.10	45"-BB	89
S	61.4	.334	.620	23.63	22.56	11.14	307.3	197.6	51.0	58.7	258	39	18	2.2	3.66	3.85	45"-BB	96
VS Proto by You 70 Wood Shafts																		(no tip trimming)
R	68.8	.334	.623	23.75	22.69	11.40	311.3	196.6	51.0	63.7	246	34	16	2.1	3.37	3.51	45"-BB	93
S	71.4	.333	.625	23.56	22.50	11.59	314.3	195.1	51.0	68.2	257	37	18	2.1	3.23	3.29	45"-BB	98
VS Proto by You 80 Wood Shafts																		(no tip trimming)
R	81.3	.334	.626	24.13	23.06	12.10	322.8	194.1	51.0	77.7	247	32	14	2.3	2.77	2.83	45"-BB	97
S	81.5	.333	.623	24.00	22.94	12.09	322.7	193.8	51.0	77.9	257	40	17	2.4	2.57	2.65	45"-BB	103
VS Proto by You 80 Hybrid Shafts																		(no tip trimming)
R	83.4	.370	.628	21.69	19.62	9.07	371.3	245.3	51.0	75.0	271	56	38	1.5	2.03	2.17	39.5"	89
S	85.6	.370	.628	21.88	19.75	9.16	373.3	245.3	51.0	77.0	278	59	40	1.5	2.06	2.14	39.5"	91
VS Proto by You 95 Hybrid Shafts																		(no tip trimming)
R	92.1	.368	.627	22.00	19.88	9.38	378.5	244.8	51.0	82.7	269	55	33	1.7	1.67	1.74	39.5"	91
S	93.1	.370	.632	22.00	19.88	9.41	379.2	244.6	51.0	83.6	281	59	41	1.4	1.68	1.75	39.5"	95

ALDILA continued																		
Flex	Raw Weight (g)	Tip Dia. (in.)	Butt Dia. (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
VX 46" R&S Combination Flex Wood Shaft																(tip trimming R-flex 0", S-flex 2")		
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
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
VX 41" R&S Combination Flex Iron Shaft																(tip trimming R-flex 2", S-flex 4")		
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"	75
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"	80
VX Hybrid Shafts																(no tip trimming)		
R	75.8	.374	.591	21.06	19.00	8.71	363.5	244.4	51.0	68.1	272	58	30	1.9	3.43	3.61	39.5	80
S	78.3	.373	.595	21.31	19.06	8.83	366.1	244.8	51.0	70.3	284	63	32	2.0	3.45	3.62	39.5	83
APOLLO GOLF - GRAPHITE SHAFTS																		
Shadow Graphite A&L Wood Shaft																(tip trimming L-flex 1", A-flex 2")		
L	71.6	.332	.595	24.06	21.81	10.11	309.9	203.4	42.1	64.4	242	37	15	2.5	6.17	6.67	43"-M2	76
A	71.2	.332	.595	24.13	22.56	11.25	325.4	208.1	51.0	66.3	246	40	12	3.3	5.97	6.67	44"-M2	80
Shadow Graphite A&L Iron Shaft																(tip trimming L-flex 1", A-flex 2")		
L	74.9	.368	.591	20.81	18.63	7.39	363.5	254.7	42.1	66.7	268	62	44	1.6	4.05	4.43	37.5"	71
A	75.3	.369	.587	20.75	19.38	8.45	380.3	259.5	51.0	69.8	271	64	40	1.6	3.99	4.50	38.5"	75
Shadow Graphite R&S Wood Shaft																(tip trimming R-flex 1", S-flex 2")		
R	75.1	.332	.606	24.88	23.06	11.41	328.3	208.1	51.0	69.2	248	40	11	3.6	6.02	6.56	44"-M2	81
S	76.3	.336	.601	24.25	22.44	11.41	328.2	206.9	51.0	70.3	256	44	15	2.9	5.95	6.65	44"-M2	84
Shadow Graphite R&S Iron Shaft																(tip trimming R-flex 1", S-flex 2")		
R	81.4	.367	.597	21.31	19.69	8.66	385.4	259.3	51.0	75.1	284	70	43	1.6	4.22	4.62	38.5"	78
S	81.6	.367	.600	21.25	19.75	8.68	385.8	259.0	51.0	75.8	292	72	43	1.7	3.81	4.37	38.5"	81
Shadow FL 46" A/L Wood Shaft																(tip trimming L flex 0", A flex 1")		
L	55.2	.338	.583	23.94	22.38	9.99	292.6	199.2	42.1	51.3	235	32	12	2.7	7.67	7.84	44 - BB	73
A	55.2	.338	.579	23.94	23.00	10.92	303.8	199.9	51.0	52.9	237	33	11	3.0	7.36	7.82	45 - BB	77
Shadow FL 46" R/S Wood Shaft																(tip trimming R flex 0", S flex 1")		
R	56.2	.335	.580	24.88	23.88	11.11	306.8	201.0	51.0	54.8	250	39	11	3.5	7.23	7.44	45 - BB	81
S	56.2	.336	.580	24.81	23.88	11.00	305.0	201.1	51.0	53.9	258	40	10	4.0	7.06	7.46	45 - BB	84
Shadow FL 40" A/L Iron Shaft																(tip trimming L flex 1", A flex 2")		
L	56.4	.378	.586	19.69	17.81	6.79	350.4	258.2	42.1	50.1	254	54	34	1.6	4.92	5.35	37.5	65
A	57.5	.376	.587	19.94	18.81	7.76	364.5	259.9	51.0	52.6	261	58	31	1.9	4.53	5.09	38.5	70

ALDILA continued

Flex	Raw Weight (g)	Tip Dia. (in.)	Butt Dia. (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
Shadow FL 40" R/S Iron Shaft																		
															(tip trimming R flex 1", S flex 2")			
R	58.0	.377	.588	20.06	18.81	7.78	364.2	259.7	51.0	53.5	271	62	32	1.9	4.55	4.93	38.5	73
S	58.0	.376	.590	20.38	19.19	7.78	364.9	260.6	51.0	53.3	280	64	31	2.1	4.36	4.88	38.5	76
Shadow UL Graphite A&L Wood Shaft																		
															(tip trimming L-flex 1", A-flex 2")			
L	63.3	.332	.593	24.38	22.88	10.43	299.2	198.5	42.1	58.6	234	30	9	3.3	5.77	6.21	44"-BB	77
A	62.7	.335	.595	24.44	23.56	11.32	310.2	199.3	51.0	59.9	236	33	11	3.0	5.59	6.36	45"-BB	81
Shadow UL Graphite A&L Iron Shaft																		
															(tip trimming L-flex 1", A-flex 2")			
L	63.6	.373	.575	20.06	18.06	7.01	354.9	256.2	42.1	56.6	250	55	39	1.4	3.94	4.37	37.5"	67
A	61.8	.370	.580	20.19	19.00	7.93	368.3	260.3	51.0	57.0	253	55	34	1.6	3.72	4.34	38.5"	71
Shadow UL Graphite R&S Wood																		
															(tip trimming R-flex 1", S-flex 2")			
R	63.9	.332	.593	24.63	23.63	11.38	310.9	199.2	51.0	60.7	246	36	7	5.1	5.98	6.47	45"-BB	83
S	63.3	.335	.595	24.63	23.75	11.38	310.9	199.5	51.0	60.4	252	40	9	4.4	5.69	6.40	45"-BB	86
Shadow UL Graphite R&S Iron Shaft																		
															(tip trimming R-flex 1", S-flex 2")			
R	63.9	.371	.578	20.56	19.13	7.99	369.8	260.3	51.0	58.5	273	63	35	1.8	3.87	4.16	38.5"	76
S	63.7	.371	.579	20.63	19.44	8.01	370.1	260.8	51.0	58.3	280	67	33	2.0	3.73	4.19	38.5"	78

APOLLO GOLF - STEEL SHAFTS

Acculite 75 Steel Iron Shaft																		
																	(tip trimming 1.5")	
R	84.0	.372	.597	20.88	19.06	8.37	390.3	262.7	51.0	76.6	265	52	32	1.6	2.57	2.85	38	75
S	84.1	.371	.599	20.88	19.06	8.37	390.4	262.7	51.0	76.7	275	57	35	1.6	2.42	2.67	38	78
Acculite 85 Steel Iron Shafts																		
																	(1.5" tip trimming)	
R	92.3	.370	.606	20.94	19.19	8.63	397.0	261.6	51.0	84.4	297	70	42	1.7	2.12	2.32	38	87
S	95.1	.370	.606	20.94	19.19	8.70	398.9	260.6	51.0	87.3	306	72	45	1.6	1.96	2.21	38	91
Acculite 95 Steel 42" R&S Iron Shaft																		
															(tip trimming R-flex 1.5", S-flex 3.5")			
R	107.5	.371	.599	22.00	19.13	8.94	405.2	261.3	51.0	92.9	286	67	40	1.7	2.21	2.47	38	83
S	107.3	.371	.601	22.00	19.16	9.00	406.7	261.2	51.0	94.5	295	70	44	1.6	2.02	2.47	38	87
Black Steel 41" R&S Steel Iron Shaft (also same as Blue PVD, Copper Steel and Red Steel shafts)																		
															(tip trimming R-flex 1" S-flex 3")			
R	127.4	.375	.605	21.13	18.81	9.59	423.5	257.7	51.0	114.8	306	71	46	1.5	1.92	2.10	38	91
S	130.0	.373	.608	21.13	18.81	9.66	425.6	257.5	51.0	117.1	318	76	51	1.5	1.79	2.09	38	96
Phantom 42" Stepless Lightweight Iron Shaft																		
															(tip trimming R-flex 1.5", S-flex 3.5")			
R	104.4	.372	.602	21.56	18.75	8.85	402.8	260.9	51.0	90.9	286	65	41	1.5	2.23	2.56	38	83
S	104.7	.372	.602	21.56	18.75	8.89	404.0	260.7	51.0	92.3	295	69	46	1.5	2.07	2.51	38	87

APOLLO GOLF USA - GRAPHITE continued

Flex	Raw Weight (g)	Tip Dia. (in.)	Butt Dia. (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
Shadow Lite 40" A&L Steel Iron Shaft																(tip trimming L-flex 1.5", A-flex 2.5")		
L	98.3	.370	.578	20.94	18.69	8.00	390.4	261.0	42.1	87.3	271	61	36	1.7	2.50	2.78	37"	74
A	103.8	.370	.580	21.19	19.38	9.06	408.4	262.8	51.0	94.6	277	62	34	1.8	2.38	2.69	38"	79
Shadow Lite 42" R&S Steel Iron Shaft																(tip trimming R-flex 1.5", S-flex 3.5")		
R	111.2	.372	.602	22.06	19.25	9.05	408.2	260.5	51.0	96.7	302	67	39	1.7	2.09	2.41	38	88
S	111.4	.370	.602	22.13	19.19	9.08	409.0	260.2	51.0	97.8	313	71	43	1.7	1.94	2.40	38	93
Spectre Lite 42" R&S Steel Iron Shaft																(tip trimming R-flex 1.5", S-flex 3.5")		
R	109.9	.369	.601	22.00	19.19	9.02	407.5	260.6	51.0	95.9	312	72	41	1.8	1.96	2.29	38"	93
S	110.3	.369	.601	22.00	19.13	9.10	409.7	260.3	51.0	98.4	324	75	47	1.6	1.78	2.22	38"	98
Standard Stepped 45" A&L Wood Shaft																(tip trimming L-flex 0", A-flex 1")		
L	125.7	.336	.578	23.44	21.75	12.32	351.0	193.6	42.1	115.3	243	34	17	2.0	3.08	3.12	43"-M2	87
A	129.9	.337	.579	23.63	22.44	13.48	369.4	195.2	51.0	123.2	250	36	16	2.3	2.93	3.10	44"-M2	94
Standard Stepped 46" R&S Wood Shaft																(tip trimming R-flex 0", S-flex 1")		
R	128.5	.335	.603	24.38	22.63	13.34	366.3	197.2	51.0	118.1	253	34	14	2.4	2.98	3.00	44"-M2	95
S	129.5	.335	.602	24.19	22.50	13.40	367.7	196.5	51.0	120.2	259	37	15	2.5	2.81	2.99	44"-M2	98
Standard Stepped 40" A&L Iron Shafts																(tip trimming L-flex 1", A-flex 2")		
L	115.1	.370	.582	21.06	18.63	8.39	400.7	257.3	42.1	101.3	282	65	44	1.5	2.20	2.43	37	79
A	115.6	.369	.582	20.94	19.00	9.35	416.5	259.5	51.0	106.0	285	65	40	1.6	2.12	2.36	38	84
Standard Stepped 40" R&S Iron Shaft																(tip trimming R-flex 1", S-flex 2")		
R	121.5	.370	.601	20.88	19.19	9.49	420.4	258.7	51.0	110.7	292	68	42	1.6	2.03	2.17	38"	86
S	124.0	.372	.603	21.00	19.19	9.61	424.1	258.9	51.0	114.2	302	69	44	1.6	1.90	2.14	38"	90
Standard Stepless 46" R&S Steel Wood Shaft																(tip trimming R-flex 0", S-flex 1")		
R	132.5	.335	.602	23.94	22.25	13.44	368.6	195.0	51.0	122.6	254	36	15	2.4	2.95	3.03	44"-M2	95
S	135.3	.335	.608	24.00	22.31	13.57	371.5	195.0	51.0	125.5	260	38	17	2.2	2.85	3.04	44"-M2	98
Standard Stepless 41" R&S Steel Iron Shaft																(tip trimming R-flex 1", S-flex 2")		
R	122.0	.372	.604	21.06	18.81	9.40	418.0	257.7	51.0	109.3	306	71	46	1.5	1.92	2.10	38"	91
S	123.4	.372	.605	20.94	18.69	9.44	418.9	257.4	51.0	110.5	316	73	50	1.5	1.81	2.06	38"	96

FST

FST 90 41" A/R Combination Flex Iron Shaft																(tip trimming A flex 1", R flex 2")		
A	99.7	.373	.602	21.25	19.00	8.83	402.2	262.9	51.0	88.3	279	63	38	1.7	2.33	2.58	38	80
R	101.5	.373	.602	21.25	19.00	8.90	404.1	262.5	51.0	90.6	287	65	41	1.6	2.22	2.52	38	83

FST continued																		
Flex	Raw Weight (g)	Tip Dia. (in.)	Butt Dia. (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
FST Pro 115 43" A/R Combination Flex Iron Shaft															(tip trimming A flex 2.5", R flex 3.5")			
A	114.7	.370	.599	21.81	18.44	9.05	408.1	259.0	51.0	98.1	279	63	41	1.5	2.28	2.63	38	81
R	117.2	.371	.598	21.56	18.38	9.09	409.3	258.4	51.0	99.9	288	67	43	1.6	2.18	2.59	38	84
FST Pro 115 43" S/X Combination Flex Iron Shaft															(tip trimming S flex 2.5", X flex 4.5")			
S	112.0	.370	.598	21.75	18.44	8.97	405.9	259.5	51.0	95.4	296	68	44	1.5	2.09	2.49	38	87
X	113.9	.370	.598	21.75	18.50	9.02	407.5	259.5	51.0	97.0	303	73	46	1.6	1.99	2.50	38	90
FST 115 43" A/R Combination Flex Iron Shaft															(tip trimming A flex 2.5", R flex 3.5")			
A	115.6	.370	.600	22.56	19.19	9.15	410.9	262.1	51.0	97.8	296	72	41	1.8	2.16	2.55	38	86
R	116.5	.371	.600	22.50	19.06	9.18	411.8	261.4	51.0	99.4	302	74	43	1.7	2.07	2.54	38	89
FST 115 43" S/X Combination Flex Iron Shafts															(tip trimming S flex 2.5", X flex 4.5")			
S	113.8	.371	.598	22.50	19.13	9.10	409.5	262.1	51.0	96.4	301	75	42	1.8	2.08	2.48	38	89
X	114.2	.370	.598	22.50	19.13	9.15	411.0	261.9	51.0	98.1	312	78	46	1.7	1.91	2.45	38	93
FST 125 43" S/X Combination Flex Iron Shaft															(tip trimming S flex 2.5", X flex 4.5")			
S	123.6	.370	.599	22.44	19.06	9.35	416.4	260.5	51.0	104.9	313	79	48	1.6	1.86	2.27	38	94
X	126.7	.371	.601	22.50	19.06	9.45	419.4	259.9	51.0	108.5	328	83	53	1.6	1.72	2.21	38	100
FST Pro 125 43" S/X Combination Flex Iron Shaft															(tip trimming S flex 2.5", X flex 4.5")			
S	122.1	.373	.599	21.75	18.50	9.17	411.6	256.8	51.0	103.8	298	72	46	1.6	2.05	2.39	38	88
X	122.2	.371	.600	21.69	18.44	9.18	411.8	256.5	51.0	104.3	306	76	47	1.6	1.98	2.44	38	91
GRAFALLOY																		
ProCustom 48" A&L Combination Wood Shaft															(tip trimming L-flex 0.5", A-flex 3")			
L	68.8	.335	.601	24.25	21.69	10.50	300.1	196.5	42.1	61.5	238	32	11	2.9	5.53	5.90	44"-BB	77
A	68.4	.336	.601	24.06	22.31	11.27	309.2	196.3	51.0	61.9	241	32	12	2.7	4.94	5.83	45"-BB	82
ProCustom 48" R&S Combination Flex Wood Shaft															(tip trimming R-flex 0.5", S-flex 3")			
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
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
ProCustom 43" A&L Combination Iron Shaft															(tip trimming L-flex 2", A-flex 4")			
L	72.8	.369	.597	21.38	18.19	7.20	359.3	256.8	42.1	60.4	275	63	33	1.9	3.25	3.85	37.5"	77
A	73.2	.370	.597	21.44	18.97	8.09	371.9	258.9	51.0	62.0	278	63	35	1.8	2.91	3.79	38.5"	80
ProCustom 43" R&S Combination Iron Shaft															(tip trimming R-flex 2", S-flex 4")			
R	74.7	.369	.598	21.44	18.75	8.12	372.4	257.7	51.0	63.7	283	66	35	1.9	3.45	4.03	38.5"	82
S	76.2	.369	.600	21.50	18.94	8.18	373.9	258.5	51.0	64.4	293	70	39	1.8	3.14	4.03	38.5"	85

GRAFFALOY continued

Flex	Raw Weight (g)	Tip Dia. (in.)	Butt Dia. (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
ProLaunch Blue 45 Wood Shafts																		
																	(no tip trimming)	
L	46.9	.337	.594	23.31	21.75	9.59	287.0	201.1	42.1	43.8	213	23	8	2.9	5.38	5.61	44"-BB	71
A	44.4	.335	.592	23.00	21.97	10.26	294.3	200.9	51.0	42.4	221	26	9	2.9	5.87	6.11	45"-BB	75
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
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
ProLaunch Blue 65 Wood Shafts																		
																	(no tip trimming)	
R	66.7	.336	.608	23.00	21.94	11.30	307.9	195.1	51.0	63.6	250	-	-	-	3.50	3.65	45 - BB	90
S	68.2	.338	.607	23.00	21.94	11.36	310.7	194.8	51.0	64.9	259	-	-	-	3.63	3.81	45 - BB	97
X	67.1	.337	.605	23.00	21.94	11.32	310.1	195.0	51.0	64.1	266	-	-	-	3.27	3.43	45 - BB	102
ProLaunch Blue Iron Shafts																		
																	(2" tip trimming)	
R	81.8	.371	.599	20.38	18.63	8.45	380.1	255.1	51.0	74.0	286	65	33	2.0	2.39	2.81	38.5"	87
S	83.4	.370	.603	20.31	18.50	8.47	380.7	254.6	51.0	75.1	301	77	43	1.8	2.40	2.88	38.5"	92
ProLaunch Red Wood Shafts																		
																	(no tip trimming)	
R	64.3	.333	.600	23.19	22.19	11.22	308.4	196.3	51.0	61.1	249	32	18	1.8	3.73	3.80	45"-BB	93
S	65.4	.335	.605	23.31	22.28	11.29	309.6	196.1	51.0	62.5	260	39	19	2.1	3.89	4.01	45"-BB	96

GRAMAN

Crossfire 46" A/L Wood Shaft																		
																	(tip trimming L-flex 0", A-flex 1")	
L	79.8	.340	.595	25.06	23.31	11.21	311.7	196.4	42.1	73.2	225	27	7	3.9	7.99	8.16	44 - BB	69
A	80.3	.341	.591	25.00	24.06	12.19	324.4	196.9	51.0	76.5	226	26	6	4.3	7.65	8.22	45 - BB	73
Crossfire 46" R/S Wood Shaft																		
																	(tip trimming R-flex 0", S-flex 1")	
R	88.9	.341	.600	25.19	24.13	12.55	330.8	195.5	51.0	84.3	245	34	10	3.4	6.88	6.95	45 - BB	81
S	89.8	.343	.602	25.19	24.13	12.61	331.9	195.2	51.0	85.7	251	36	12	3.0	6.47	6.84	45 - BB	84
Crossfire 40" A/L Iron Shaft																		
																	(tip trimming L-flex 0.5", A-flex 1.5")	
L	79.4	.374	.610	21.31	19.13	7.64	369.1	257.3	42.1	69.7	268	61	37	1.6	5.15	5.48	37.5	68
A	79.0	.375	.603	21.19	19.75	8.56	382.8	259.5	51.0	72.3	270	60	34	1.8	4.99	5.59	38.5	71
Crossfire 40" R/S Iron Shaft																		
																	(tip trimming R-flex 0.5", S-flex 1.5")	
R	83.6	.372	.607	21.56	19.88	8.71	386.4	259.4	51.0	76.0	291	70	40	1.8	4.96	5.31	38.5	77
S	84.2	.372	.607	21.56	20.06	8.76	387.8	259.9	51.0	76.9	299	73	42	1.7	4.61	5.20	38.5	80
M65 47" A/L Wood Shaft																		
																	(tip trimming L-flex 0", A-flex 1")	
L	64.1	.337	.598	25.63	23.31	10.43	299.1	199.6	42.1	57.4	234	29	6	4.8	5.79	5.88	44 - BB	77
A	65.3	.337	.602	25.63	24.13	11.43	311.8	200.3	51.0	60.5	237	30	6	5.0	5.45	5.78	45 - BB	82
M65 47" R/S Wood Shaft																		
																	(tip trimming R-flex 0", S-flex 1")	
R	70.3	.338	.608	25.75	24.00	11.61	314.8	199.2	51.0	64.6	242	32	7	4.6	5.23	5.38	45 - BB	84
S	70.5	.339	.608	25.81	24.25	11.68	315.9	199.5	51.0	65.4	248	35	9	3.9	5.05	5.43	45 - BB	87

GRAMAN continued

Flex	Raw Weight (g)	Tip Dia. (in.)	Butt Dia. (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
															(tip trimming L-flex 0.5", A-flex 1.5")			
M65 41" A/L Iron Shaft																		
L	65.1	.376	.598	21.50	18.75	7.05	355.9	258.4	42.1	55.4	283	68	39	1.7	3.98	4.31	37.5	76
A	65.3	.376	.598	21.50	19.50	7.99	369.6	261.0	51.0	57.6	284	66	37	1.8	3.87	4.28	38.5	78
															(tip trimming R-flex 0.5", S-flex 1.5")			
M65 41" R/S Iron Shaft																		
R	72.7	.375	.604	21.69	19.50	8.24	375.3	260.0	51.0	64.3	287	70	41	1.7	4.39	4.65	38.5	79
S	72.4	.376	.605	21.75	19.63	8.25	375.6	260.3	51.0	64.3	295	73	42	1.7	4.06	4.51	38.5	81
															(tip trimming LL-flex 0", L-flex 1")			
M70 47" LL/L Wood Shaft																		
LL	73.1	.343	.590	25.25	22.94	10.79	304.8	197.2	42.1	65.5	206	21	6	3.5	5.56	5.75	44 – BB	68
L	72.9	.344	.591	25.25	23.13	10.81	305.1	197.6	42.1	65.4	214	23	7	3.3	5.26	5.75	44 – BB	72
															(tip trimming L-flex 0", A-flex 1")			
M70 47" A/L Wood Shaft																		
L	75.9	.341	.599	25.75	23.38	10.97	307.6	197.7	42.1	67.8	221	24	7	3.4	5.08	5.28	44 – BB	74
A	76.3	.339	.598	25.69	24.13	11.82	318.2	196.5	51.0	70.7	221	25	5	5.0	5.08	5.28	45 – BB	77
															(tip trimming A-flex 0", R-flex 1")			
M70 47" A/R Wood Shaft																		
A	76.2	.335	.597	25.81	24.13	11.90	319.5	198.3	51.0	70.2	229	30	6	5.0	5.06	5.17	45 – BB	80
R	76.0	.338	.596	25.81	24.19	11.92	319.9	198.4	51.0	70.5	236	32	7	4.6	4.76	5.15	45 – BB	84
															(tip trimming R-flex 0", S-flex 1")			
M70 47" R/S Wood Shaft																		
R	76.7	.335	.598	26.13	24.56	11.97	320.6	199.2	51.0	70.4	242	33	7	4.7	5.22	5.13	45 – BB	84
S	76.8	.336	.598	26.00	24.44	11.98	320.8	198.8	51.0	71.0	248	33	8	4.1	4.85	5.19	45 – BB	87
															(tip trimming LL-flex 0.5", L-flex 1.5")			
M70 41" LL/L Iron Shaft																		
LL	68.7	.377	.590	24.56	18.81	7.17	358.6	258.1	42.1	58.4	254	53	32	1.7	4.10	4.41	37.5	67
L	69.3	.373	.588	21.63	19.06	7.22	359.7	258.7	42.1	58.9	262	55	32	1.7	3.83	4.32	37.5	71
															(tip trimming L-flex 0.5", A-flex 1.5")			
M70 41" A/L Iron Shaft																		
L	70.6	.372	.591	21.56	18.75	7.24	360.0	257.6	42.1	60.3	268	59	37	1.6	4.29	4.61	37.5	71
A	71.6	.371	.593	21.81	19.75	8.20	374.4	260.3	51.0	63.1	271	58	33	1.8	4.11	4.63	38.5	74
															(tip trimming A-flex 0.5", R-flex 1.5")			
M70 41" A/R Iron Shaft																		
A	73.4	.371	.599	21.94	19.63	8.24	375.3	259.8	51.0	64.5	274	65	36	1.8	4.36	4.68	38.5	74
R	73.1	.372	.599	21.88	19.88	8.27	376.1	260.5	51.0	64.6	284	68	37	1.8	4.04	4.47	38.5	78
															(tip trimming R-flex 0.5", S-flex 1.5")			
M70 41" R/S Iron Shaft																		
R	77.1	.375	.601	21.94	19.63	8.36	378.0	259.3	51.0	67.7	286	68	39	1.7	4.14	4.39	38.5	78
S	77.3	.374	.602	22.00	19.88	8.42	379.6	260.5	51.0	68.1	296	70	40	1.8	3.89	4.39	38.5	82
															(tip trimming L-flex 0", A-flex 1")			
R70 46" A/L Wood Shaft																		
L	69.4	.339	.590	25.13	23.31	10.74	304.0	198.4	42.1	63.5	225	29	6	4.8	5.70	5.75	44 – BB	74
A	69.9	.340	.590	25.06	24.06	11.71	316.3	198.1	51.0	66.4	224	27	5	5.4	5.43	5.77	45 – BB	77

GRAMAN continued

Flex	Raw Weight (g)	Tip Dia. (in.)	Butt Dia. (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
R70 40" A/L Iron Shaft															(tip trimming L-flex 0.5", A-flex 1.5")			
L	67.5	.374	.589	20.94	20.94	7.19	358.9	257.6	42.1	59.2	270	60	36	1.7	4.60	4.91	37.5	70
A	67.7	.374	.589	20.94	20.94	8.15	373.2	260.5	51.0	61.7	270	61	34	1.8	4.41	4.80	38.5	73
R70 40" R/S Iron Shaft															(tip trimming R-flex 0.5", S-flex 1.5")			
R	75.2	.375	.599	21.44	19.75	8.41	379.4	260.2	51.0	68.2	287	66	37	1.8	4.31	4.55	38.5	78
S	76.8	.376	.599	21.25	19.88	8.50	381.3	260.2	51.0	70.1	298	75	41	1.8	4.17	4.62	38.5	82

GRAPHITE DESIGN

G-Tech 47" A&L Wood Shafts															(tip trimming L-flex 0", A-flex 2")			
L	65.2	.333	.592	24.50	22.19	10.35	297.9	197.1	42.1	58.7	231	28	9	3.1	6.75	6.95	44 – BB	74
A	67.5	.333	.595	24.63	23.19	11.44	312.0	197.8	51.0	63.2	239	31	11	2.8	6.34	6.84	45 – BB	80
G-Tech 47" R&S Wood Shafts															(tip trimming R-flex 0", S-flex 2")			
R	70.2	.334	.605	25.19	23.81	11.62	314.9	198.6	51.0	65.3	250	33	11	3.3	5.89	6.01	45 – BB	85
S	70.2	.334	.605	25.19	23.75	11.63	315.0	198.4	51.0	65.6	260	36	14	2.6	5.31	6.01	45 – BB	90
G-Tech 41" A&L Iron Shafts															(tip trimming L-flex 1", A-flex 2.5")			
L	73.3	.370	.590	20.00	17.75	7.28	360.8	253.9	42.1	64.8	267	53	31	1.7	3.56	3.93	37.5	73
A	74.4	.372	.591	19.75	17.94	8.16	373.5	255.3	51.0	67.2	270	52	36	1.4	3.44	3.85	38.5	77
G-Tech 41" R&S Iron Shafts															(tip trimming R-flex 1", S-flex 2.5")			
R	77.9	.370	.601	20.69	18.75	8.37	378.2	256.9	51.0	70.3	289	62	35	1.8	3.44	3.73	38.5	82
S	79.3	.370	.601	20.69	18.81	8.43	379.6	256.8	51.0	71.8	303	66	36	1.8	3.20	3.65	38.5	87
Tour AD BB 5 Wood Shafts															(no tip trimming)			
R2	55.8	.336	.600	23.75	22.81	10.91	303.8	199.4	51.0	53.4	230	18	9	2.0	4.29	4.48	45 – BB	83
R1	56.0	.336	.598	23.75	22.81	10.92	304.0	199.4	51.0	53.6	242	20	10	2.0	4.29	4.43	45 – BB	87
S	57.8	.336	.600	23.88	22.94	11.02	305.5	199.2	51.0	55.3	255	22	13	1.7	4.32	4.51	45 – BB	93
Tour AD BB 6 Wood Shafts															(no tip trimming)			
SR	64.5	.336	.596	23.75	22.81	11.32	310.1	197.4	51.0	61.7	247	22	11	2.0	3.10	3.24	45 – BB	95
S	64.9	.336	.599	23.88	22.94	11.36	310.7	197.5	51.0	62.1	258	23	13	1.8	3.13	3.28	45 – BB	99
X	67.0	.336	.602	24.00	23.06	11.47	312.4	197.3	51.0	64.1	270	25	16	1.6	3.12	3.25	45 – BB	104
Tour AD BB 7 Wood Shafts															(no tip trimming)			
S	74.4	.335	.603	24.25	23.28	11.83	318.3	196.1	51.0	71.2	263	28	15	1.9	2.92	3.07	45 – BB	103
X	75.8	.335	.610	24.31	23.31	11.90	319.4	195.9	51.0	72.5	278	31	14	2.2	2.99	3.14	45 – BB	108
Tour AD DI 5 Wood Shafts															(no tip trimming)			
R2	53.9	.336	.594	23.81	22.88	10.83	302.5	200.0	51.0	51.6	230	23	10	2.3	4.83	5.03	45 – BB	81
R1	53.6	.337	.594	23.69	22.75	10.80	302.1	199.8	51.0	51.3	237	25	12	2.1	4.71	4.91	45 – BB	84
S	57.2	.337	.598	24.00	23.00	11.00	305.2	199.4	51.0	54.7	250	27	14	1.9	4.74	4.94	45 – BB	89

GRAPHITE DESIGN continued

Flex	Raw Weight (g)	Tip Dia. (in.)	Butt Dia. (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
Tour AD DI 6 Wood Shafts																		
SR	64.7	.337	.600	24.00	23.00	11.35	310.6	197.7	51.0	61.9	247	26	14	1.9	3.33	3.48	(no tip trimming) 45 – BB	94
S	64.5	.338	.597	24.00	23.00	11.35	310.5	197.8	51.0	61.7	258	29	15	1.9	3.36	3.53	45 – BB	98
X	66.0	.336	.603	24.06	23.06	11.42	311.7	197.5	51.0	63.2	267	31	18	1.7	3.24	3.34	45 – BB	102
Tour AD DI 7 Wood Shafts																		
S	73.8	.337	.607	24.44	23.44	11.83	318.3	196.6	51.0	70.6	266	29	17	1.7	3.05	3.18	(no tip trimming) 45 – BB	103
X	75.1	.337	.607	24.44	23.44	11.88	319.2	196.4	51.0	71.9	278	34	20	97	2.97	3.12	45 – BB	108
Tour AD DI 75 Hybrid Shafts																		
R	78.2	.373	.609	22.06	20.44	9.65	362.1	238.6	51.0	72.5	268	-	-	-	2.75	2.91	(no tip trimming) 40.5	85
S	78.8	.373	.610	22.13	20.50	9.67	362.7	238.6	51.0	73.1	274	-	-	-	2.73	2.88	40.5	87
X	80.1	.374	.612	22.19	20.56	9.73	363.9	238.6	51.0	74.3	287	-	-	-	2.78	2.94	40.5	91
Tour AD DI 85 Hybrid Shafts																		
R	87.5	.372	.611	22.63	21.00	10.04	370.7	238.6	51.0	81.1	267	-	-	-	2.17	2.27	(no tip trimming) 40.5	89
S	87.8	.373	.608	22.63	21.00	10.05	370.1	238.6	51.0	81.4	282	-	-	-	2.15	2.20	40.5	94
X	88.7	.373	.612	22.63	21.00	10.08	371.7	238.4	51.0	82.3	292	-	-	-	2.16	2.30	40.5	97
Tour AD DI 95 Hybrid Shafts																		
S	98.9	.374	.622	22.88	21.25	10.46	380.4	237.7	51.0	91.7	282	-	-	-	2.20	2.34	(no tip trimming) 40.5	94
X	99.8	.373	.623	22.88	21.25	10.49	381.2	237.6	51.0	92.6	292	-	-	-	2.11	2.25	40.5	98
Tour AD DI 105 Hybrid Shafts																		
S	106.8	.374	.628	23.06	21.38	10.74	387.2	237.2	51.0	99.0	281	-	-	-	2.07	2.13	(no tip trimming) 40.5	95
X	109.8	.375	.630	23.13	21.44	10.85	389.9	237.1	51.0	101.8	289	-	-	-	2.11	2.20	40.5	97
Tour AD GP 5 Wood Shafts																		
R2	55.6	.337	.600	23.94	23.00	10.93	304.0	199.8	51.0	53.2	235	-	-	-	4.34	4.47	(no tip trimming) 45 – BB	85
R1	56.7	.337	.601	23.94	23.00	10.98	304.8	199.5	51.0	54.3	245	-	-	-	4.24	4.39	45 – BB	89
S	58.3	.338	.603	24.00	23.06	11.06	306.1	199.3	51.0	55.8	257	-	-	-	4.31	4.45	45 – BB	93
Tour AD GP 6 Wood Shafts																		
SR	65.3	.337	.600	23.88	22.94	11.37	310.9	197.5	51.0	62.5	245	-	-	-	3.02	3.17	(no tip trimming) 45 – BB	95
S	65.6	.338	.601	23.88	22.94	11.39	311.2	197.4	51.0	62.8	260	-	-	-	3.02	3.14	45 – BB	101
X	68.4	.338	.605	24.13	23.16	11.54	313.7	197.2	51.0	65.5	273	-	-	-	3.01	3.16	45 – BB	106
Tour AD GP 7 Wood Shafts																		
S	75.6	.338	.603	24.38	23.58	11.90	319.5	196.1	51.0	72.3	265	-	-	-	2.83	2.94	(no tip trimming) 45 – BB	104
X	76.9	.338	.610	24.50	23.50	11.97	320.7	196.1	51.0	73.6	279	-	-	-	2.89	2.98	45 – BB	109
Tour AD GP 8 Wood Shafts																		
S	84.7	.338	.611	24.63	23.63	12.33	326.9	194.8	51.0	81.1	264	-	-	-	2.71	2.82	(no tip trimming) 45 – BB	105
X	84.5	.337	.615	24.63	23.63	12.32	326.7	194.8	51.0	80.9	279	-	-	-	2.68	2.78	45 – BB	111

GRAPHITE DESIGN continued

Flex	Raw Weight (g)	Tip Dia. (in.)	Butt Dia. (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
Tour AD M9003 6 Wood Shafts																		(no tip trimming)
S	69.5	.339	.607	24.19	23.25	11.61	314.7	197.2	51.0	66.5	262	-	-	-	3.17	3.23	45 – BB	101
X	68.8	.339	.606	24.06	23.13	11.56	313.9	197.1	51.0	65.8	274	-	-	-	3.15	3.21	45 – BB	105
Tour AD M9003 7 Wood Shafts																		(no tip trimming)
S	76.5	.340	.603	24.38	23.38	11.94	320.1	195.9	51.0	73.2	266	-	-	-	2.47	2.52	45 – BB	107
X	78.1	.339	.607	24.50	23.50	12.03	321.6	195.9	51.0	74.7	275	-	-	-	2.43	2.48	45 – BB	111
Tour AD MJ 5 Wood Shafts																		(no tip trimming)
R2	53.6	.335	.598	24.25	23.25	10.86	302.9	200.6	51.0	51.3	226	-	-	-	4.70	4.85	45 – BB	80
R1	53.8	.335	.598	24.25	23.25	10.87	303.1	200.6	51.0	51.5	239	-	-	-	4.69	4.91	45 – BB	85
S	55.4	.335	.602	24.44	23.44	10.97	304.6	200.6	51.0	53.0	250	-	-	-	4.70	4.85	45 – BB	89
Tour AD MJ 6 Wood Shafts																		(no tip trimming)
SR	61.3	.335	.596	24.19	23.25	11.23	308.6	199.0	51.0	58.7	244	-	-	-	3.31	3.44	45 – BB	93
S	64.3	.337	.597	24.19	23.25	11.37	310.8	198.3	51.0	61.5	255	-	-	-	3.29	3.44	45 – BB	97
X	65.7	.335	.600	24.25	23.31	11.44	312.0	198.1	51.0	62.9	267	-	-	-	3.24	3.41	45 – BB	102
Tour AD MJ 7 Wood Shafts																		(no tip trimming)
S	73.2	.336	.600	24.56	23.56	11.82	318.1	197.0	51.0	70.1	263	-	-	-	3.11	3.24	45 – BB	101
X	72.8	.335	.600	24.63	23.63	11.81	317.9	197.3	51.0	69.7	276	-	-	-	3.14	3.31	45 – BB	106
Tour AD MJ 8 Wood Shafts																		(no tip trimming)
S	86.0	.338	.600	24.81	23.81	12.41	328.3	195.0	51.0	82.3	261	-	-	-	2.65	2.76	45 – BB	104
X	84.8	.335	.600	24.94	23.91	12.38	327.7	195.5	51.0	81.2	276	-	-	-	2.71	2.80	45 – BB	109
Tour AD MT 5 Wood Shafts																		(no tip trimming)
R2	55.6	.336	.595	23.81	22.88	10.91	303.8	199.6	51.0	53.2	227	22	9	2.4	4.68	4.92	45 – BB	81
R1	55.1	.338	.592	23.69	22.75	10.87	303.2	199.5	51.0	52.7	239	25	11	2.3	4.68	4.87	45 – BB	85
S	57.8	.336	.597	24.00	23.00	11.03	305.6	199.3	51.0	55.3	251	27	14	1.9	4.68	4.85	45 – BB	89
Tour AD MT 6 Wood Shafts																		(no tip trimming)
SR	62.2	.337	.596	24.00	23.00	11.24	308.8	198.3	51.0	59.5	246	26	11	2.4	3.33	3.47	45 – BB	94
S	65.0	.337	.602	24.13	23.13	11.39	311.1	197.9	51.0	62.2	256	29	15	1.9	3.28	3.46	45 – BB	98
X	65.1	.335	.602	24.13	23.13	11.39	311.2	197.9	51.0	62.3	266	29	18	1.6	3.24	3.43	45 – BB	102
Tour AD MT 7 Wood Shafts																		(no tip trimming)
S	73.0	.335	.603	24.50	23.50	11.80	317.8	196.9	51.0	69.9	264	31	14	2.2	3.18	3.33	45 – BB	101
X	74.6	.336	.608	24.63	23.63	11.89	319.3	196.9	51.0	71.4	277	32	17	1.9	3.11	3.28	45 – BB	107
Tour AD SL II 4 Wood Shafts																		(no tip trimming)
RR2	49.6	.336	.598	23.81	22.88	10.62	299.4	201.0	51.0	47.5	200	11	5	2.2	5.30	5.50	45 – BB	69
RR1	50.3	.336	.600	23.81	22.81	10.65	299.9	200.8	51.0	48.1	212	15	6	2.5	5.33	5.55	45 – BB	73

GRAPHITE DESIGN continued

Flex	Raw Weight (g)	Tip Dia. (in.)	Butt Dia. (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
Tour AD SL II 5 Wood Shafts																		
																	(no tip trimming)	
R2	58.0	.336	.598	24.25	23.31	11.08	306.3	199.8	51.0	55.5	221	14	7	2.0	4.82	5.00	45 – BB	78
R1	59.4	.335	.601	24.06	23.13	11.12	307.0	199.2	51.0	56.8	236	19	9	2.1	4.72	4.91	45 – BB	84
SR	59.7	.335	.601	24.13	23.19	11.14	307.3	199.2	51.0	57.1	248	27	12	2.3	4.69	4.84	45 – BB	88
YS-Reloaded Five Wood Shafts																		
																	(no tip trimming)	
R	56.7	.338	.599	23.31	22.38	10.91	303.7	198.4	51.0	54.3	229	-	-	-	4.57	4.74	45 – BB	82
S	58.7	.338	.602	23.44	22.50	11.01	305.3	198.2	51.0	56.2	241	-	-	-	4.48	4.68	45 – BB	86
YS-Reloaded Six Wood Shafts																		
																	(no tip trimming)	
R	66.2	.337	.604	24.31	23.31	11.46	312.4	198.0	51.0	63.4	242	-	-	-	3.52	3.63	45 – BB	91
S	68.1	.338	.607	24.38	23.38	11.56	313.9	197.7	51.0	65.2	254	-	-	-	3.49	3.65	45 – BB	96
X	68.9	.338	.610	24.44	23.44	11.60	314.6	197.7	51.0	65.9	266	-	-	-	3.45	3.60	45 – BB	100
YS-Reloaded Seven Wood Shafts																		
																	(no tip trimming)	
R	76.6	.337	.602	24.31	23.31	11.93	320.0	195.7	51.0	73.3	242	-	-	-	3.27	3.37	45 – BB	92
S	76.5	.338	.604	24.38	23.38	11.94	320.1	195.9	51.0	73.2	254	-	-	-	3.28	3.37	45 – BB	97
X	78.1	.337	.606	24.44	23.44	12.02	321.5	195.7	51.0	74.7	264	-	-	-	3.31	3.43	45 – BB	101

HOUSE OF FORGED

Flex	Raw Weight (g)	Tip Dia. (in.)	Butt Dia. (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
Express Wood Shafts																		
																	(no tip trimming)	
R	60.2	.346	.585	22.94	21.94	11.00	305.1	196.8	51.0	57.3	246	-	-	-	5.44	5.70	45 – BB	85
S	62.7	.342	.586	23.25	22.25	11.16	307.6	196.8	51.0	59.8	259	-	-	-	5.42	5.61	45 – BB	89
Platinum Wood Shafts																		
																	(no tip trimming)	
R	63.0	.342	.634	23.81	22.94	11.27	309.3	198.0	51.0	60.3	245	-	-	-	4.15	4.26	45 – BB	89
S	63.4	.340	.629	23.88	22.81	11.26	309.1	197.7	51.0	60.4	257	-	-	-	4.01	4.20	45 – BB	94

IBELLA

Obsession Wood Shaft (2013-16 version)																		
																	(no tip trimming)	
L	63.6	.332	.584	24.19	21.75	9.57	301.5	203.3	41.7	56.5	229	31	9	3.4	6.21	6.51	43 ^{1/2} -M2	72
Obsession Iron Shafts (2013-16 version)																		
																	(1" tip trimming)	
L	64.8	.375	.583	20.25	18.00	7.02	355.2	256.2	42.9	56.9	255	-	-	-	3.88	4.31	37.5	65

KBS STEEL

Flex	Raw Weight (g)	Tip Dia. (in.)	Butt Dia. (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
C-Taper 39.5" Taper Tip Iron Shaft																		
																	(no tip trimming)	
R	108.5	.356	.600	20.00	18.50	9.03	407.7	256.2	51.0	100.5	309	69	50	1.4	1.76	1.87	38	94
R+	115.2	.353	.598	19.94	18.50	9.22	412.8	255.1	51.0	106.7	309	68	49	1.4	1.78	1.89	38	94
S	119.2	.353	.603	19.94	18.50	9.32	415.7	254.4	51.0	110.3	321	73	54	1.4	1.63	1.72	38	99
S+	122.6	.354	.604	19.94	18.44	9.40	418.1	253.5	51.0	113.6	323	73	54	1.4	1.63	1.71	38	100
X	127.5	.352	.600	19.94	18.50	9.54	422.1	253.0	51.0	118.1	332	77	56	1.4	1.56	1.66	38	103
C-Taper 43" Parallel Tip Iron Shafts																		
																	(2 7/16" tip trimming)	
R	122.0	.372	.604	21.63	18.44	9.17	411.5	256.6	51.0	103.9	286	69	46	1.5	2.09	2.44	38	84
S	134.7	.372	.602	21.75	18.56	9.50	420.7	255.1	51.0	114.6	307	72	51	1.4	1.88	2.22	38	92
X	138.1	.374	.604	21.75	18.56	9.58	423.2	254.6	51.0	117.6	315	80	53	1.5	1.80	2.10	38	95
C-Taper Lite 39.5" Taper Iron Shafts																		
																	(no tip trimming)	
R	104.4	.357	.602	20.06	18.56	9.00	406.9	259.0	51.0	96.9	299	71	51	1.4	1.96	2.01	38	89
S	107.1	.355	.601	19.88	18.44	9.07	408.8	258.0	51.0	99.8	300	72	53	1.4	1.91	1.96	38	90
X	113.3	.353	.601	19.81	18.44	9.24	413.5	257.0	51.0	105.5	311	76	55	1.4	1.79	1.83	38	94
C-Taper Lite Parallel Tip Iron Shafts																		
																	(2.5" tip trimming)	
R	105.3	.370	.601	21.06	18.38	8.83	402.2	259.1	51.0	92.1	285	-	-	-	2.20	2.57	38"	83
S	116.1	.369	.599	21.13	18.44	9.12	410.0	257.7	51.0	101.3	298	-	-	-	1.95	2.33	38"	89
X	122.0	.370	.600	21.13	18.44	9.27	414.4	256.8	51.0	106.6	309	-	-	-	1.86	2.16	38"	93
Hybrid 43" Steel Shaft																		
																	(tip trimming 1.5")	
R	100.1	.371	.601	21.69	19.13	9.53	382.2	243.2	51.0	88.0	276	55	39	1.4	2.19	2.52	39.5"	84
S	105.5	.369	.602	21.81	19.19	9.68	385.8	242.4	51.0	92.4	284	57	40	1.4	2.41	2.08	39.5"	87
KBS Tour 43.5" Parallel Tip Iron Shafts																		
																	(3 1/8" tip trimming)	
R	117.9	.370	.602	22.75	19.13	9.16	411.3	261.0	51.0	99.3	293	-	-	-	2.08	2.54	38	86
S	128.3	.369	.600	22.69	19.13	9.44	419.0	259.6	51.0	108.4	310	-	-	-	1.92	2.30	38	93
X	132.8	.369	.601	22.75	19.19	9.55	422.2	259.1	51.0	112.1	321	-	-	-	1.81	2.19	38	97
KBS Tour 39.5" Taper Iron Shafts																		
																	(no tip trimming)	
R	-	-	-	-	19.00	9.14	410.6	260.4	51.0	99.2	306	74	50	1.5	2.01	-	38	91
S	-	-	-	-	19.06	9.48	420.2	259.0	51.0	110.2	322	79	55	1.4	1.76	-	38	98
KBS Tour 90 41.25" Parallel Tip Iron Shafts																		
																	(2" tip trimming)	
R	100.7	.370	.604	21.50	19.06	8.84	402.5	262.2	51.0	89.3	274	-	-	-	2.41	2.69	38	78
S	100.4	.369	.604	21.50	19.06	8.83	402.4	262.2	51.0	89.2	289	-	-	-	2.17	2.51	38	85
Tour-V 39" Taper Iron Shafts																		
																	(no tip trimming)	
R	101.3	.356	.599	20.13	18.88	8.99	406.6	260.6	51.0	95.0	306	72	51	1.4	1.84	1.98	38	92
S	108.3	.355	.598	20.13	18.94	9.21	412.5	259.8	51.0	101.7	318	79	54	1.5	1.77	1.81	38	97
X	117.5	.358	.600	20.25	19.00	9.47	419.9	258.8	51.0	110.1	330	84	58	1.4	1.61	1.66	38	102

PROJECT X STEEL																		
Flex	Raw	Tip	Butt	BP1	BP2	BP3	Static	Head	Grip	Shaft	Freq.	Butt	Tip	T/B	Torque	Torque	Length	DSFI
	Weight	Dia.	Dia.	(in.)	(in.)	(in.)	Weight	Weight	Weight	Weight	(cpm)	Deflect.	Deflect.	Ratio	Cut	Raw	-Bore	
	(g)	(in.)	(in.)				(g)	(g)	(g)	(g)		(oz.)	(.oz.)		(deg)	(deg)	Type	
Project X Steel Iron Shafts																	(no tip trimming)	
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	98
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	103
SK FIBER																		
SK Fiber Tour Trac 55 47" Wood Shafts																	(no tip trimming)	
A	59.3	.338	.600	24.06	22.38	10.94	304.3	198.3	51.0	55.0	222	-	-	-	5.74	5.92	45 – BB	76
R	61.8	.337	.602	24.25	22.56	11.08	306.4	198.0	51.0	57.4	236	-	-	-	5.89	5.93	45 – BB	80
S	61.7	.336	.603	24.19	22.56	11.08	306.3	198.0	51.0	57.3	254	-	-	-	5.80	5.98	45 – BB	86
SK Fiber Tour Trac 55 47" Wood Shafts																	(1" tip trimming)	
A	59.4	.338	.600	24.06	22.63	10.97	304.7	198.7	51.0	55.0	227	-	-	-	5.55	5.90	45 – BB	78
R	61.7	.336	.599	24.13	22.75	11.10	306.6	198.3	51.0	57.3	243	-	-	-	5.53	5.94	45 – BB	83
S	61.7	.337	.601	24.25	22.81	11.11	306.8	198.5	51.0	57.3	260	-	-	-	5.50	5.92	45 – BB	89
SK Fiber Tour Trac 55 47" Wood Shafts																	(2" tip trimming)	
A	59.5	.338	.600	24.06	22.88	11.00	305.1	199.1	51.0	55.0	232	-	-	-	5.21	5.88	45 – BB	81
R	61.6	.336	.600	24.19	22.94	11.11	306.8	198.7	51.0	57.1	246	-	-	-	5.37	6.03	45 – BB	85
S	62.1	.336	.602	24.19	22.94	11.13	307.1	198.6	51.0	57.5	266	-	-	-	5.20	5.94	45 – BB	93
SK Fiber Tour Trac 65 47" Wood Shafts																	(no tip trimming)	
A	67.6	.339	.600	24.88	23.31	11.44	312.0	198.1	51.0	62.9	221	-	-	-	5.07	5.21	45 – BB	77
R	68.6	.339	.603	24.94	23.31	11.48	312.6	197.9	51.0	63.7	236	-	-	-	5.04	5.17	45 – BB	83
S	69.2	.337	.602	25.06	23.50	11.53	313.5	198.2	51.0	64.3	255	-	-	-	4.91	5.07	45 – BB	90
SK Fiber Tour Trac 65 47" Wood Shafts																	(1" tip trimming)	
A	67.2	.339	.601	24.88	23.50	11.45	312.2	198.6	51.0	62.6	226	-	-	-	4.77	5.18	45 – BB	80
R	68.8	.340	.603	25.00	23.63	11.54	313.5	198.5	51.0	64.0	243	-	-	-	4.79	5.16	45 – BB	86
S	69.3	.340	.602	25.13	23.69	11.56	314.0	198.6	51.0	64.4	261	-	-	-	4.76	5.13	45 – BB	92
SK Fiber Tour Trac 65 47" Wood Shafts																	(2" tip trimming)	
A	67.6	.340	.600	24.88	23.56	11.48	312.6	198.6	51.0	63.0	232	-	-	-	4.52	5.18	45 – BB	83
R	68.5	.339	.603	25.00	23.69	11.53	313.5	198.7	51.0	63.8	247	-	-	-	4.48	5.13	45 – BB	89
S	69.0	.338	.602	25.06	23.75	11.57	314.1	198.7	51.0	64.4	265	-	-	-	4.45	5.12	45 – BB	95
SK Fiber Tour Trac 75 40" Iron Shafts																	(1" tip trimming)	
A	76.9	.375	.598	20.19	18.88	8.38	376.6	256.8	51.0	70.8	275	-	-	-	3.30	3.47	38.5	79
R	78.5	.374	.604	20.44	19.06	8.46	380.3	257.0	51.0	72.3	284	-	-	-	3.23	3.47	38.5	82
S	81.9	.375	.608	20.56	19.25	8.59	383.6	257.1	51.0	75.5	300	-	-	-	3.24	3.47	38.5	86

TRUE TEMPER																		
Flex	Raw Weight (g)	Tip Dia. (in.)	Butt Dia. (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
Dynamic Gold Steel 40" Iron Shafts																	(2" tip trimming)	
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"	91
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"	97
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"	100
Dynamic Gold 39" Taper Tip Iron Shafts																	(no" tip trimming)	
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"	88
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"	98
X100	129.6	.356	.602	19.63	18.19	9.37	431.7	261.0	50.9	119.8	330	90	69	1.3	1.51	1.60	37.5"	102
Multi-Step Lite 42" R&S Iron Shaft																	(tip trimming R-flex 2", S-flex 4")	
R	126.8	.369	.605	22.13	19.31	9.51	420.9	260.1	51.0	109.8	318	76	44	1.7	1.90	2.20	38	95
S	122.4	.369	.602	22.25	19.31	9.41	418.2	259.6	51.0	107.6	327	81	46	1.8	1.83	2.26	38	99
XP95 39" Taper Iron Shafts																	(no tip trimming)	
R300	99.4	.355	.605	19.38	18.13	8.82	402.1	258.0	51.0	93.1	283	63	41	1.5	2.24	2.29	38	82
S300	100.3	.354	.606	19.63	18.31	8.88	403.5	258.5	51.0	94.0	297	69	45	1.5	2.05	2.14	38	88
UST MAMIYA																		
65 Gold Wood Shafts																	(no tip trimming)	
R	62.4	.342	.602	23.63	22.69	11.20	308.3	197.6	51.0	59.7	241	32	9	3.6	5.58	5.69	45 – BB	83
S	62.1	.341	.602	23.81	22.88	11.22	308.5	198.1	51.0	59.4	256	36	11	3.3	5.52	5.55	45 – BB	88
Competition Series 47" A&L Flex Wood Shaft (formerly Competition 65)																	(tip trimming L-flex 0", A-flex 1")	
L	60.5	.337	.597	24.56	21.50	9.35	297.9	203.8	41.8	52.3	233	34	10	3.4	5.79	6.06	43"-M2	74
A	61.6	.336	.598	24.56	23.13	11.12	307.0	199.1	50.9	57.0	233	30	7	4.3	5.54	6.02	45"-BB	80
Competition Series 47" R&S Flex Wood Shaft (formerly Competition 65)																	(tip trimming R-flex 0", S-flex 1")	
R	64.3	.338	.603	24.94	23.25	11.25	309.0	198.8	50.9	59.3	242	33	9	3.7	5.75	5.84	45"-BB	83
S	64.9	.337	.602	24.94	23.50	11.34	310.3	199.1	50.9	60.3	247	36	10	3.6	5.51	5.90	45"-BB	85
Competition Series 42" A&L Combination Flex Iron Shaft (formerly Competition 75)																	(tip trimming L-flex 1", A-flex 2")	
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"	74
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"	76
Competition Series 42" R&S Combination Flex Iron Shaft (formerly Competition 75)																	(tip trimming R-flex 1", S-flex 2")	
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"	81
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"	84

UST MAMIYA continued

Flex	Raw Weight (g)(in.)	Tip Dia. (in.)	Butt Dia. (in.)	BP1 (in.)	BP2 (in.)	BP3 (g)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (cpm)	Freq. (oz.)	Butt Deflect. (.oz.)	Tip Deflect.	T/B Ratio (deg)	Torque Cut (deg)	Torque Raw Type	Length -Bore	DSFI	
dRVR Wood Shafts																		(no tip trimming)	
L	58.0	.335	.593	23.31	21.75	10.28	294.5	197.0	42.0	55.4	216	-	-	-	6.52	6.85	44 – BB	69	
A	65.3	.339	.596	23.81	22.88	11.37	310.8	197.3	51.0	62.5	223	-	-	-	6.38	6.73	45 – BB	74	
R	66.0	.336	.604	24.13	23.19	11.44	312.0	197.8	51.0	63.2	237	-	-	-	7.28	7.54	45 – BB	77	
S	70.8	.338	.606	24.19	23.25	11.67	315.6	196.9	51.0	67.8	254	-	-	-	6.72	7.26	45 – BB	84	
hYB Hybrid Shafts																		(1" tip trimming)	
L	54.2	.372	.578	19.50	18.56	7.18	337.2	243.6	42.0	51.6	242	-	-	-	4.75	4.95	38.5"	64	
A	65.5	.373	.595	20.38	18.94	8.30	354.7	243.7	51.0	61.0	254	-	-	-	4.55	4.78	39.5"	71	
R	68.0	.372	.600	20.56	19.13	8.41	357.0	243.7	51.0	63.3	266	-	-	-	4.36	4.71	39.5"	75	
S	69.9	.373	.603	20.75	19.31	8.49	358.8	243.8	51.0	65.0	277	-	-	-	4.45	4.80	39.5"	77	
iRN Iron Shafts																		(1" tip trimming)	
L	57.5	.372	.579	19.50	18.13	6.82	351.0	257.6	42.0	51.3	240	-	-	-	4.96	5.43	37.5"	61	
iRN Iron Shafts																		(2" tip trimming)	
A	64.5	.372	.596	20.31	18.38	7.90	367.6	258.2	51.0	58.4	259	-	-	-	4.35	4.88	38.5"	70	
R	68.6	.373	.600	20.50	18.56	8.05	371.0	257.9	51.0	62.1	272	-	-	-	4.08	4.58	38.5"	75	
S	70.3	.372	.604	20.69	18.75	8.13	372.8	258.1	51.0	63.7	287	-	-	-	3.98	4.43	38.5"	79	
MP5 Wood Shafts																		(no tip trimming)	
R	52.3	.337	.622	24.44	23.38	10.81	302.1	201.2	51.0	49.9	231	29	8	3.6	4.36	4.38	45 – BB	83	
S	52.9	.336	.619	24.06	23.12	10.81	302.2	200.6	51.0	50.6	242	-	-	-	4.32	4.47	45 – BB	87	
MP5 Lite Hybrid Shafts																		(1" tip trimming)	
R	60.0	.374	.605	20.69	19.25	8.25	353.9	248.0	51.0	54.9	283	65	37	1.8	5.69	6.12	39.5	75	
S	62.9	.373	.611	20.81	19.38	8.39	356.6	247.8	51.0	57.8	293	70	41	1.7	5.36	5.84	39.5	79	
MP6 Iron Shafts																		(2" tip trimming)	
R	68.6	.373	.601	20.50	18.75	8.00	369.9	258.2	51.0	60.7	273	63	40	1.6	3.89	4.43	38.5	75	
S	71.1	.372	.604	20.63	18.88	8.10	372.0	258.2	51.0	62.8	285	-	-	-	4.04	4.52	38.5	79	
ProForce V2 55 Wood Shafts																		(no tip trimming)	
A	55.8	.337	.601	22.69	21.75	10.79	302.0	197.6	51.0	53.4	225	-	-	-	4.15	4.44	45 – BB	82	
R	55.4	.338	.602	22.56	21.63	10.76	301.5	197.5	51.0	53.0	235	-	-	-	4.16	4.47	45 – BB	86	
S	58.1	.339	.600	22.50	21.63	10.88	303.4	196.8	51.0	55.6	256	-	-	-	4.34	4.39	45 – BB	92	
ProForce V2 65 Wood Shafts																		(no tip trimming)	
A	60.9	.340	.597	22.56	21.63	11.01	305.3	196.0	51.0	58.3	225	-	-	-	4.77	5.04	45 – BB	80	
R	63.8	.340	.601	22.88	21.94	11.20	308.2	195.7	51.0	61.5	238	34	11	3.2	3.50	3.56	45"-BB	90	
S	64.1	.338	.600	22.94	22.00	11.20	308.3	195.8	51.0	61.5	253	39	14	2.8	3.47	3.53	45"-BB	95	
X	63.5	.338	.601	22.81	21.88	11.16	307.6	195.8	51.0	60.8	265	-	-	-	3.32	3.58	45 – BB	99	

UST MAMIYA continued

Flex	Raw Weight (g)	Tip Dia. (in.)	Butt Dia. (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
ProForce V2 75 Wood Shaft																		
S	74.9	.340	.603	23.50	22.53	11.76	317.1	194.3	51.0	71.8	256	40	15	2.7	2.73	2.76	(no tip trimming) 45"-BB	101
ProForce V2 85 Hybrid Shaft																		
F5	92.4	.380	.618	21.13	20.00	9.77	376.0	238.7	51.0	86.3	311	-	-	-	3.72	3.83	(0.5" trimming) 40	92
ProForce V2 HL 55 Wood Shafts																		
F2	53.5	.340	.611	23.69	22.75	10.80	302.0	199.8	51.0	51.2	221	-	-	-	4.70	4.79	(no tip trimming) 45 - BB	78
F3	57.1	.342	.619	24.00	23.06	11.01	305.2	199.5	51.0	54.7	234	-	-	-	4.16	4.47	45 - BB	84
Recoil 660 Iron Shaft																		
A	68.8	.375	.601	20.44	18.63	8.00	369.8	257.9	51.0	60.9	272	-	-	-	3.99	4.42	(1.5" tip trimming) 38.5	75
R	72.1	.375	.603	20.56	18.75	8.12	372.6	257.6	51.0	64.0	288	-	-	-	3.85	4.33	38.5	80
Recoil 680 Iron Shaft																		
S	82.7	.375	.604	20.75	18.81	8.46	380.4	256.1	51.0	73.3	298	-	-	-	3.65	4.12	(1.5" tip trimming) 38.5	84
Recoil 760 ES SMACWRAP Iron Shaft																		
F3	69.9	.374	.607	20.94	19.06	8.08	371.5	258.8	51.0	61.7	287	-	-	-	4.02	4.44	(1.5" tip trimming) 38.5	79
Recoil 780 ES SMACWRAP Iron Shaft																		
F4	87.1	.375	.605	20.75	18.75	8.60	383.8	255.1	51.0	77.7	305	-	-	-	3.34	3.74	(1.5" tip trimming) 38.5	87
Recoil 80 39" Taper Tip Iron Shafts																		
R	79.2	.359	.606	19.13	17.94	8.21	386.5	260.9	51.0	74.6	302	-	-	-	3.44	3.63	(no tip trimming, length is for a #6-iron) 38	84
S	81.5	.358	.608	19.06	17.88	8.26	387.5	260.3	51.0	76.5	310	-	-	-	3.32	3.46	38	87
Recoil 95 39.5" Taper Tip Iron Shafts																		
R	97.0	.355	.613	19.38	17.94	8.70	398.8	257.8	51.0	90.0	284	-	-	-	3.69	3.79	(no tip trimming) 38	78
S	94.9	.354	.610	19.44	18.00	8.65	397.4	258.4	51.0	88.0	299	-	-	-	3.69	3.87	38	82
Recoil 110 39.5" Taper Tip Iron Shafts																		
S	108.7	.355	.616	19.88	19.88	9.10	409.6	257.8	51.0	100.8	300	-	-	-	3.41	3.51	(no tip trimming) 38	84
Recoil ES 55 Hybrid Shaft																		
F1	54.8	.375	.588	20.25	18.63	7.54	330.6	238.4	47.1	50.1	238	-	-	-	4.70	4.79	(no tip trimming) 39	65
Recoil ES 65 Hybrid Shaft																		
F2	66.2	.375	.593	21.13	19.50	8.75	353.7	242.5	51.0	60.2	249	-	-	-	4.70	4.79	(0.5" trimming) 40	72
Recoil ES 75 Hybrid Shaft																		
F3	76.9	.375	.606	22.19	20.31	9.20	363.2	242.7	51.0	69.5	261	-	-	-	4.70	4.79	(0.5" trimming) 40	80

UST MAMIYA continued																		
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Flex	Raw Weight (g)(in.)	Tip Dia. (in.)	Butt Dia. (in.)	BP1 (in.)	BP2 (in.)	BP3 (g)	Static Weight (g)	Head Weight (g)	Grip Weight (g)	Shaft Weight (cpm)	Freq. (oz.)	Butt Deflect. (.oz.)	Tip Deflect.	T/B Ratio (deg)	Torque Cut (deg)	Torque Raw Type	Length -Bore	DSFI
Recoil ES 85 Hybrid Shaft																	(0.5" trimming)	
F4	84.1	.374	.611	22.19	20.38	9.46	368.9	241.8	51.0	76.1	280	-	-	-	4.70	4.79	40	86
Recoil ES 95 Hybrid Shaft																	(0.5" trimming)	
F5	90.6	.375	.605	23.25	21.38	9.80	376.7	243.9	51.0	81.8	289	-	-	-	4.70	4.79	40	89