

TrackMan Golf

Multi Group Report

Andy Kotarba

May 23, 2019

Clubs: **52°, 54°, 58°, 9i, PW**

Ball: **Premium**

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Dispersion

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01

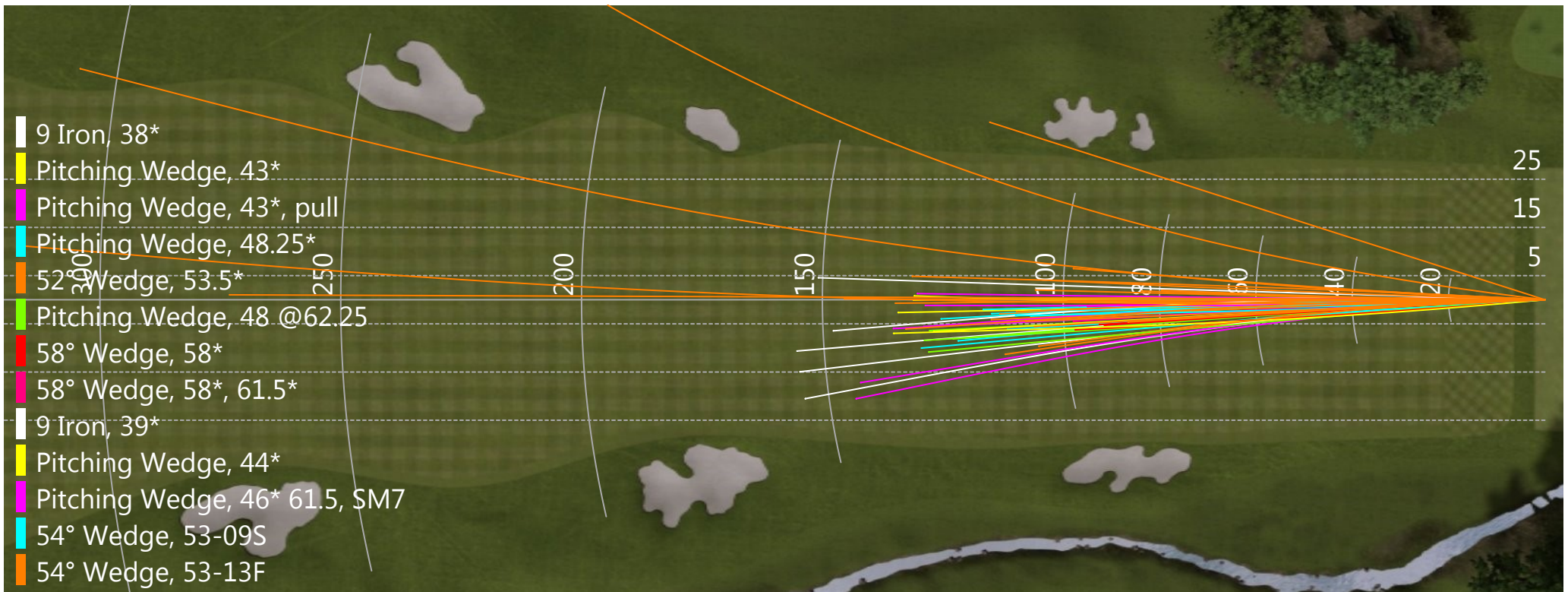


Note: Data are normalized to no wind conditions at 1000 ft altitude, 77 F with a Premium ball.

Trajectory

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02



Note: Data are normalized to no wind conditions at 1000 ft altitude, 77 F with a Premium ball.

Averages

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03

	BALL SPEED mph	SMASH FAC.	LAUNCH ANG. deg	SPIN RATE rpm	CARRY yds	TOTAL yds	LAUNCH DIR. deg	SPIN AXIS deg	HEIGHT ft	LAND. ANG. deg	SIDE	CLUB SPEED mph	ATTACK ANG. deg	CLUB PATH deg	SWING DIR. deg	FACE ANG. deg	FACE TO PATH deg	SWING PL. deg	SPIN LOFT deg	DYN. LOFT deg	CURVE ft	LOW POINT in
54° Wedge, 53-13F	80.7	1.14	28.1	6310	103.2	111.4	-0.9	0.8	62	44.2	3' 1'L	70.9	-3.9	2.0	-0.5	-1.9	-3.9	61.0	40.1	36.0	2R	3.5A
54° Wedge, 53-095	82.6	1.17	27.0	8275	102.9	107.0	-1.8	0.6	64	45.6	8' 7'L	70.5	-3.6	0.6	-1.6	-2.9	-3.5	62.0	40.9	37.2	1R	3.2A
Pitching Wedge, 46° 61.5, SM7	92.7	1.27	24.3	6179	123.3	130.8	-0.8	-0.9	73	45.5	8' 0"L	73.1	-3.8	3.0	0.6	-1.9	-4.9	61.0	35.1	31.0	3L	3.6A
Pitching Wedge, 44°	93.1	1.29	24.1	6319	123.7	131.1	-3.4	3.4	73	45.4	12' 4"L	72.0	-3.3	0.7	-1.2	-4.6	-5.3	63.4	34.6	30.8	10R	3.0A
9 Iron, 39°	100.6	1.37	21.8	5336	139.7	149.3	1.5	-4.0	78	44.6	2' 1'L	73.1	-3.0	2.3	0.2	1.3	-1.0	59.9	30.2	27.2	13L	2.9A
58° Wedge, 58°, 61.5°	77.6	1.12	28.7	9225	93.8	96.5	0.6	-5.7	60	45.7	6' 10"L	69.6	-3.8	3.3	1.0	-0.7	-3.9	62.9	44.7	40.7	10L	3.3A
58° Wedge, 58°	75.6	1.11	28.2	8820	90.3	93.9	-3.2	-0.7	55	44.4	16' 0"L	68.1	-4.4	2.1	-0.5	-5.8	-7.9	61.5	45.0	39.9	1L	4.1A
Pitching Wedge, 48 @62.25	92.0	1.23	24.5	6914	120.8	127.1	-3.5	-1.0	73	45.8	24' 0"L	74.3	-4.3	1.7	-1.3	-5.3	-7.0	58.4	36.7	31.7	2L	4.2A
52° Wedge, 53.5°	91.3	1.10	27.7	6296	123.7	131.3	1.0	0.3	71	46.0	18' 4"R	69.5	-4.8	4.6	2.1	0.2	-4.8	64.8	43.5	34.7	10R	4.2A
Pitching Wedge, 48.25°	88.5	1.24	26.2	7028	114.4	120.1	-1.2	-3.8	72	46.4	16' 9"L	71.6	-3.5	1.4	-0.8	-2.1	-3.4	61.5	38.1	34.2	10L	3.4A
Pitching Wedge, 43°, pull	99.7	1.36	22.4	6090	135.7	143.7	-2.5	-10.7	78	45.2	52' 2"L	73.5	-3.2	2.1	0.2	-3.8	-5.9	63.0	32.2	28.4	34L	3.0A
Pitching Wedge, 43°	95.4	1.31	24.4	6915	126.8	132.7	-0.1	-1.0	79	47.1	3' 10"L	73.0	-3.0	0.5	-1.4	-0.3	-0.8	60.8	34.8	31.7	3L	2.8A
9 Iron, 38°	102.8	1.39	21.7	5000	145.1	155.3	-2.8	-6.1	81	44.8	42' 2"L	73.9	-2.7	-0.1	-2.0	-3.4	-3.2	61.1	29.5	26.5	21L	2.6A

Note: Data are normalized to no wind conditions at 1000 ft altitude, 77 F with a Premium ball.

Shot Details

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04

54° Wedge, 53-13F

STROKE NO	BALL SPEED mph	SMASH FAC.	LAUNCH ANG. deg	SPIN RATE rpm	CARRY yds	TOTAL yds	LAUNCH DIR. deg	SPIN AXIS deg	HEIGHT ft	LAND. ANG. deg	SIDE	CLUB SPEED mph	ATTACK ANG. deg	CLUB PATH deg	SWING DIR. deg	FACE ANG. deg	FACE TO PATH deg	SWING PL. deg	SPIN LOFT deg	DYN. LOFT deg	CURVE ft	LOW POINT ft
1	77.8	1.11	27.6	8238	94.5	98.9	-1.9	5.2	57	44.4	8°L	70.0	-5.2	0.4	-3.1	-2.9	-3.3	58.2	43.6	38.3	9R	4.7A
2	81.1	1.15	26.0	7782	100.6	106.1	-2.2	-2.3	58	43.7	15° 9°L	70.8	-4.2	2.2	-0.5	-3.9	-6.1	59.6	40.3	35.6	4L	3.9A
3	82.7	1.17	29.3	1901	116.6	134.8	0.1	-1.4	65	40.8	1° 8°L	70.6	-3.2	1.6	-0.4	-0.1	-1.7	61.1	34.8	31.6	2L	2.8A
4	81.3	1.12	29.5	7319	101.3	105.7	0.4	1.8	69	47.8	5° 8°R	72.3	-2.8	3.6	2.1	-0.8	-4.4	65.0	41.5	38.5	4R	2.6A
Average	80.7	1.14	28.1	6310	103.2	111.4	-0.9	0.8	62	44.2	3° 1°L	70.9	-3.9	2.0	-0.5	-1.9	-3.9	61.0	40.1	36.0	2R	3.5A
Consistency	1.8	0.02	1.4	2566	8.2	13.8	1.1	3.0	5	2.5	7° 10°R	0.8	0.9	1.2	1.8	1.6	1.6	2.5	3.3	2.8	5R	0.8A

Note: Data are normalized to no wind conditions at 1000 ft altitude, 77 F with a Premium ball.

Shot Details

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05

54° Wedge, 53-09S

STROKE NO	BALL SPEED mph	SMASH FAC.	LAUNCH ANG. deg	SPIN RATE rpm	CARRY yds	TOTAL yds	LAUNCH DIR. deg	SPIN AXIS deg	HEIGHT ft	LAND. ANG. deg	SIDE	CLUB SPEED mph	ATTACK ANG. deg	CLUB PATH deg	SWING DIR. deg	FACE ANG. deg	FACE TO PATH deg	SWING PL. deg	SPIN LOFT deg	DYN. LOFT deg	CURVE ft	LOW POINT ft
1	81.2	1.16	27.2	8385	100.4	104.5	-2.3	2.7	62	45.3	6° 7"L	69.7	-3.8	0.4	-2.0	-3.4	-3.8	60.5	41.7	37.7	5R	3.5A
2	84.2	1.19	27.7	8049	105.9	109.9	-2.9	2.9	69	47.0	9° 8"L	71.1	-2.8	0.6	-1.1	-4.3	-4.9	63.7	40.4	37.3	6R	2.5A
3	82.3	1.17	26.2	8390	102.4	106.8	-0.4	-3.8	61	44.5	9° 7"L	70.6	-4.2	0.8	-1.7	-0.9	-1.7	61.8	40.7	36.5	8L	3.7A
Average	82.6	1.17	27.0	8275	102.9	107.0	-1.8	0.6	64	45.6	8° 7"L	70.5	-3.6	0.6	-1.6	-2.9	-3.5	62.0	40.9	37.2	1R	3.2A
Consistency	1.3	0.01	0.6	160	2.3	2.2	1.1	3.1	4	1.0	1° 5"R	0.5	0.6	0.2	0.4	1.4	1.3	1.3	0.5	0.5	6R	0.5A

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06

Pitching Wedge, 46* 61.5, SM7

STROKE NO	BALL SPEED mph	SMASH FAC.	LAUNCH ANG. deg	SPIN RATE rpm	CARRY yds	TOTAL yds	LAUNCH DIR. deg	SPIN AXIS deg	HEIGHT ft	LAND. ANG. deg	SIDE	CLUB SPEED mph	ATTACK ANG. deg	CLUB PATH deg	SWING DIR. deg	FACE ANG. deg	FACE TO PATH deg	SWING PL. deg	SPIN LOFT deg	DYN. LOFT deg	CURVE ft	LOW POINT ft
1	92.3	1.26	23.7	6608	121.8	129.0	0.2	-6.1	70	44.8	15' 2"L	73.1	-4.6	2.0	-0.9	-0.4	-2.4	59.3	35.6	30.9	16L	4.4A
2	95.2	1.30	23.5	6236	127.8	135.4	-2.1	-1.0	75	45.5	16' 10"L	73.3	-3.6	3.2	1.2	-3.6	-6.8	62.8	34.2	29.9	3L	3.5A
3	92.3	1.26	26.2	5838	123.2	130.3	0.1	0.9	79	47.5	3' 6"R	73.3	-3.2	3.4	1.5	-0.7	-4.1	61.8	36.0	32.5	3R	3.1A
4	90.9	1.25	23.9	6033	120.3	128.6	-1.6	2.6	69	44.3	3' 7"L	72.7	-3.6	3.2	0.9	-3.0	-6.2	60.2	34.6	30.5	7R	3.5A
Average	92.7	1.27	24.3	6179	123.3	130.8	-0.8	-0.9	73	45.5	8' 0"L	73.1	-3.8	3.0	0.6	-1.9	-4.9	61.0	35.1	31.0	3L	3.6A
Consistency	1.6	0.02	1.1	285	2.8	2.7	1.0	3.3	4	1.2	8' 5"R	0.3	0.5	0.6	0.9	1.4	1.7	1.4	0.7	1.0	9R	0.5A

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Shot Details

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07

Pitching Wedge, 44*

STROKE NO	BALL SPEED mph	SMASH FAC.	LAUNCH ANG. deg	SPIN RATE rpm	CARRY yds	TOTAL yds	LAUNCH DIR. deg	SPIN AXIS deg	HEIGHT ft	LAND. ANG. deg	SIDE	CLUB SPEED mph	ATTACK ANG. deg	CLUB PATH deg	SWING DIR. deg	FACE ANG. deg	FACE TO PATH deg	SWING PL. deg	SPIN LOFT deg	DYN. LOFT deg	CURVE ft	LOW POINT ft
1	92.8	1.28	25.3	6062	123.7	130.9	-2.5	6.4	77	46.6	1' 8"R	72.4	-3.0	0.2	-1.5	-3.2	-3.4	64.2	35.1	31.9	18R	2.7A
2	94.9	1.34	24.5	5928	127.7	135.3	-5.3	5.3	78	46.3	20' 3"L	71.0	-2.6	1.0	-0.5	-7.0	-8.0	65.6	34.2	30.6	15R	2.4A
3	91.5	1.26	22.5	6967	119.6	127.0	-2.4	-1.5	65	43.1	18' 6"L	72.7	-4.2	1.0	-1.8	-3.5	-4.5	60.2	34.6	30.1	4L	3.9A
Average	93.1	1.29	24.1	6319	123.7	131.1	-3.4	3.4	73	45.4	12' 4"L	72.0	-3.3	0.7	-1.2	-4.6	-5.3	63.4	34.6	30.8	10R	3.0A
Consistency	1.4	0.03	1.2	461	3.3	3.4	1.4	3.5	6	1.6	9' 11"R	0.7	0.7	0.4	0.6	1.7	2.0	2.3	0.3	0.8	10R	0.6A

Note: Data are normalized to no wind conditions at 1000 ft altitude, 77 F with a Premium ball.

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08

9 Iron, 39*

STROKE NO	BALL SPEED mph	SMASH FAC.	LAUNCH ANG. deg	SPIN RATE rpm	CARRY yds	TOTAL yds	LAUNCH DIR. deg	SPIN AXIS deg	HEIGHT ft	LAND. ANG. deg	SIDE	CLUB SPEED mph	ATTACK ANG. deg	CLUB PATH deg	SWING DIR. deg	FACE ANG. deg	FACE TO PATH deg	SWING PL. deg	SPIN LOFT deg	DYN. LOFT deg	CURVE ft	LOW POINT ft
1	100.0	1.37	21.6	5436	138.1	147.8	1.4	-8.5	76	44.1	16' 11"L	72.9	-3.0	2.2	0.0	1.2	-1.0	58.5	30.1	27.1	27L	2.9A
2	101.1	1.38	22.0	5237	141.3	150.9	1.5	0.5	80	45.1	12' 9"R	73.4	-3.0	2.4	0.4	1.3	-1.1	61.4	30.2	27.2	2R	3.0A
Average	100.6	1.37	21.8	5336	139.7	149.3	1.5	-4.0	78	44.6	2' 1"L	73.1	-3.0	2.3	0.2	1.3	-1.0	59.9	30.2	27.2	13L	2.9A
Consistency	0.6	0.00	0.2	99	1.6	1.5	0.0	4.5	2	0.5	14' 10"R	0.3	0.0	0.1	0.2	0.0	0.1	1.5	0.0	0.0	14R	0.0

Note: Data are normalized to no wind conditions at 1000 ft altitude, 77 F with a Premium ball.

Shot Details

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09

58° Wedge, 58*, 61.5*

STROKE NO	BALL SPEED mph	SMASH FAC.	LAUNCH ANG. deg	SPIN RATE rpm	CARRY yds	TOTAL yds	LAUNCH DIR.	SPIN AXIS deg	HEIGHT ft	LAND. ANG. deg	SIDE	CLUB SPEED mph	ATTACK ANG. deg	CLUB PATH deg	SWING DIR. deg	FACE ANG. deg	FACE TO PATH deg	SWING PL. deg	SPIN LOFT deg	DYN. LOFT deg	CURVE ft	LOW POINT ft
1	78.2	1.11	27.6	9232	94.8	98.0	-0.5	-6.0	58	44.7	12' 11"L	70.7	-4.6	2.6	0.0	-2.0	-4.6	62.8	44.4	39.5	11L	4.0A
2	77.7	1.13	29.4	9033	94.0	96.7	1.4	-5.9	61	46.5	3' 6"L	68.8	-3.4	3.8	1.7	0.3	-3.5	62.6	44.6	41.1	11L	3.0A
3	76.9	1.11	29.1	9411	92.5	94.9	1.0	-5.1	59	46.0	4' 0"L	69.2	-3.4	3.4	1.4	-0.3	-3.7	63.2	45.0	41.5	9L	3.0A
Average	77.6	1.12	28.7	9225	93.8	96.5	0.6	-5.7	60	45.7	6' 10"L	69.6	-3.8	3.3	1.0	-0.7	-3.9	62.9	44.7	40.7	10L	3.3A
Consistency	0.5	0.01	0.8	154	1.0	1.2	0.8	0.4	2	0.8	4' 4"R	0.8	0.6	0.5	0.8	1.0	0.5	0.2	0.3	0.8	1R	0.5A

Note: Data are normalized to no wind conditions at 1000 ft altitude, 77 F with a Premium ball.

Shot Details

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58° Wedge, 58*

STROKE NO	BALL SPEED mph	SMASH FAC.	LAUNCH ANG. deg	SPIN RATE rpm	CARRY yds	TOTAL yds	LAUNCH DIR. deg	SPIN AXIS deg	HEIGHT ft	LAND. ANG. deg	SIDE	CLUB SPEED mph	ATTACK ANG. deg	CLUB PATH deg	SWING DIR. deg	FACE ANG. deg	FACE TO PATH deg	SWING PL. deg	SPIN LOFT deg	DYN. LOFT deg	CURVE ft	LOW POINT ft
1	74.3	1.08	27.5	9106	87.9	91.6	-2.4	-2.7	51	43.1	15' 2"L	68.9	-5.0	1.6	-1.3	-4.5	-6.1	62.9	45.3	39.9	4L	4.6A
2	78.0	1.14	29.4	8754	94.7	97.7	-4.7	2.9	62	46.7	18' 3"L	68.3	-4.8	1.4	-1.4	-7.5	-8.9	61.9	46.3	40.5	5R	4.3A
3	74.4	1.11	27.7	8599	88.3	92.6	-2.4	-2.3	52	43.3	14' 7"L	67.2	-3.4	3.4	1.1	-5.3	-8.7	59.7	43.5	39.2	3L	3.4A
Average	75.6	1.11	28.2	8820	90.3	93.9	-3.2	-0.7	55	44.4	16' 0"L	68.1	-4.4	2.1	-0.5	-5.8	-7.9	61.5	45.0	39.9	1L	4.1A
Consistency	1.7	0.03	0.8	212	3.1	2.7	1.1	2.5	5	1.6	1' 7"R	0.7	0.7	0.9	1.2	1.3	1.3	1.3	1.2	0.5	4R	0.5A

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Shot Details

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Pitching Wedge, 48 @62.25

STROKE NO	BALL SPEED mph	SMASH FAC.	LAUNCH ANG. deg	SPIN RATE rpm	CARRY yds	TOTAL yds	LAUNCH DIR. deg	SPIN AXIS deg	HEIGHT ft	LAND. ANG. deg	SIDE	CLUB SPEED mph	ATTACK ANG. deg	CLUB PATH deg	SWING DIR. deg	FACE ANG. deg	FACE TO PATH deg	SWING PL. deg	SPIN LOFT deg	DYN. LOFT deg	CURVE ft	LOW POINT ft
1	92.4	1.25	24.9	6668	121.9	128.3	-4.2	-1.4	75	46.4	30' 10"L	74.1	-3.6	1.2	-1.3	-5.9	-7.1	58.8	36.4	32.0	4L	3.5A
2	89.6	1.20	24.3	6949	116.5	123.1	-2.6	-2.8	68	44.7	22' 9"L	74.4	-4.4	1.8	-1.2	-4.0	-5.8	58.4	36.9	32.0	7L	4.3A
3	92.9	1.25	23.6	6939	122.5	129.1	-4.2	1.1	71	45.1	24' 1"L	74.3	-4.8	2.0	-1.3	-6.1	-8.1	58.1	36.7	30.9	3R	4.7A
4	93.0	---	25.1	7102	122.4	127.9	-2.9	---	77	47.1	18' 5"L	---	---	---	---	---	---	---	---	---	0	---
Average	92.0	1.23	24.5	6914	120.8	127.1	-3.5	-1.0	73	45.8	24' 0"L	74.3	-4.3	1.7	-1.3	-5.3	-7.0	58.4	36.7	31.7	2L	4.2A
<i>Consistency</i>	1.4	0.02	0.6	156	2.5	2.4	0.8	1.6	4	1.0	4' 5"R	0.1	0.5	0.3	0.1	0.9	0.9	0.3	0.2	0.5	4R	0.5A

Note: Data are normalized to no wind conditions at 1000 ft altitude, 77 F with a Premium ball.

Shot Details

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12

52° Wedge, 53.5*

STROKE NO	BALL SPEED mph	SMASH FAC.	LAUNCH ANG. deg	SPIN RATE rpm	CARRY yds	TOTAL yds	LAUNCH DIR. deg	SPIN AXIS deg	HEIGHT ft	LAND. ANG. deg	SIDE	CLUB SPEED mph	ATTACK ANG. deg	CLUB PATH deg	SWING DIR. deg	FACE ANG. deg	FACE TO PATH deg	SWING PL. deg	SPIN LOFT deg	DYN. LOFT deg	CURVE ft	LOW POINT ft
1	80.8	1.15	26.1	7767	99.8	105.5	-1.2	-11.0	57	43.4	26° 8"L	70.6	-3.4	3.8	2.1	-3.3	-7.1	65.7	39.7	35.7	20L	3.0A
2	82.2	1.15	26.9	8532	102.0	106.0	-0.1	-6.1	62	45.2	12° 8"L	71.3	-4.8	1.4	-1.6	-0.7	-2.1	60.5	42.2	37.4	12L	4.3A
3	86.3	1.19	29.0	7665	109.5	113.2	-0.7	-1.9	77	49.2	8° 7"L	72.5	-2.8	3.2	1.5	-2.2	-5.4	62.1	41.0	37.9	5L	2.8A
4	86.5	1.20	26.9	7602	110.3	115.0	-1.0	-2.5	70	46.8	11° 9"L	72.3	-4.0	3.8	1.5	-2.8	-6.6	63.3	40.2	35.6	6L	3.9A
5	82.8	1.16	28.2	7802	103.6	107.9	-2.5	0.3	67	46.9	13° 0"L	71.3	-3.8	2.4	0.2	-4.4	-6.8	62.4	41.9	37.6	1R	3.5A
6	84.3	1.16	27.9	8147	106.0	109.7	0.7	-4.9	69	47.2	7° 1"L	72.4	-3.6	2.8	0.5	-0.1	-2.9	60.2	41.4	37.7	11L	3.3A
7	97.7	1.13	21.0	9352	127.6	131.4	2.9	-1.6	70	44.5	14° 3"R	86.5	-6.4	5.2	2.6	1.9	-3.3	70.3	37.2	30.7	5L	5.2A
8	43.1	0.92	42.0	2993	36.9	43.9	2.6	1.9	29	48.0	5° 7"R	46.6	-5.0	6.8	4.3	1.5	-5.3	64.7	54.2	49.0	1R	4.1A
9	52.4	0.96	37.7	4291	51.8	58.9	-0.5	-9.7	37	46.1	7° 0"L	54.8	-6.0	6.6	3.9	-2.6	-9.2	67.0	52.4	45.8	6L	4.7A
10	51.0	0.90	41.3	---	48.5	52.8	-0.2	---	40	50.0	5°L	56.4	-6.0	4.6	1.1	---	---	62.4	---	---	0	4.9A
11	63.5	0.98	40.0	1801	75.3	86.6	-2.1	-3.8	59	48.9	11° 10"L	64.9	-5.0	5.2	3.0	-2.8	-8.0	68.1	48.4	42.8	3L	4.1A
12	61.2	0.91	38.6	4295	66.6	73.1	-0.7	-3.4	53	49.8	5° 11"L	67.3	---	---	---	-1.5	---	---	---	45.6	3L	---
13	68.0	1.12	26.8	7435	76.8	83.7	0.1	4.0	40	39.6	4° 9"R	60.7	-6.2	2.4	-1.2	-0.9	-3.3	61.9	44.2	37.9	4R	5.4A
14	65.9	1.12	28.4	7537	73.5	79.6	0.0	5.0	41	40.7	5° 1"R	58.9	-4.4	3.0	0.8	-1.4	-4.4	65.9	44.5	39.9	5R	3.6A
15	85.9	1.17	24.4	8678	107.9	112.6	-1.4	-11.1	61	43.4	31° 11"L	73.2	-3.6	4.0	2.4	-3.9	-7.9	68.5	38.8	34.4	24L	3.1A
16	80.7	1.15	26.9	8963	99.2	102.7	1.5	1.9	60	44.8	11° 6"R	70.2	-5.4	4.0	1.4	0.4	-3.6	65.7	43.6	38.1	4R	4.6A
17	76.8	1.06	32.8	6462	93.4	98.1	2.3	3.8	69	49.6	18° 4"R	72.6	-6.0	2.6	-0.7	2.2	-0.4	62.9	47.3	41.3	7R	5.3A
18	93.4	1.20	27.7	9382	119.7	120.9	17.7	---	86	50.6	109° 3"R	77.6	-5.6	19.2	16.1	17.2	-2.0	64.0	44.8	37.9	0	5.3A
19	159.6	---	13.7	---	261.4	273.1	0.2	---	138	48.3	2° 11"R	---	---	---	---	0.1	---	---	---	17.8	0	---
20	158.8	---	13.2	3370	255.9	274.3	6.7	27.1	106	40.2	268° 11"R	---	---	---	---	7.8	---	---	---	15.1	183R	---
21	163.8	---	14.2	2346	284.9	307.8	2.1	15.0	114	39.2	126° 6"R	---	---	---	---	2.5	---	---	---	15.5	96R	---
22	168.3	---	11.5	2332	290.3	316.4	-1.2	7.2	100	36.1	27° 1"R	---	---	---	---	-1.0	---	---	---	12.8	46R	---
23	100.1	1.20	28.9	7680	130.8	132.8	0.2	-5.3	105	53.8	17° 9"L	83.4	-5.2	3.0	0.6	-0.7	-3.7	67.4	42.0	36.7	19L	4.4A
24	97.8	1.14	30.0	4084	137.3	145.4	-0.4	0.9	104	51.8	5°R	85.7	-4.8	3.0	0.7	-0.9	-3.9	67.5	39.1	34.1	3R	4.0A
Average	91.3	1.10	27.7	6296	123.7	131.3	1.0	0.3	71	46.0	18° 4"R	69.5	-4.8	4.6	2.1	0.2	-4.8	64.8	43.5	34.7	10R	4.2A
Consistency	35.1	0.10	8.4	2493	71.6	76.6	4.0	8.6	27	4.4	63° 5"R	10.0	1.0	3.7	3.7	4.4	2.3	2.8	4.5	9.8	43R	0.8A

Note: Data are normalized to no wind conditions at 1000 ft altitude, 77 F with a Premium ball.

Shot Details

Andy Kotarba | May 23, 2019

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Pitching Wedge, 48.25*

STROKE NO	BALL SPEED mph	SMASH FAC.	LAUNCH ANG. deg	SPIN RATE rpm	CARRY yds	TOTAL yds	LAUNCH DIR. deg	SPIN AXIS deg	HEIGHT ft	LAND. ANG. deg	SIDE	CLUB SPEED mph	ATTACK ANG. deg	CLUB PATH deg	SWING DIR. deg	FACE ANG. deg	FACE TO PATH deg	SWING PL. deg	SPIN LOFT deg	DYN. LOFT deg	CURVE ft	LOW POINT ft
1	89.2	1.23	26.6	7237	115.5	120.5	-2.1	-4.0	75	47.4	22° 9"L	72.8	-4.2	0.2	-2.4	-2.8	-3.0	60.5	39.1	34.8	10L	3.9A
2	86.3	1.22	26.2	7048	110.7	116.6	-0.2	-1.8	68	45.8	5° 8"L	70.7	-3.6	2.0	-0.4	-1.0	-3.0	58.4	38.1	34.4	4L	3.5A
3	85.7	1.19	24.7	7516	108.8	114.8	0.0	-3.6	62	43.7	7° 11"L	71.8	-4.6	2.0	-0.9	-0.8	-2.8	60.5	38.2	33.5	8L	4.4A
4	84.8	1.18	25.5	8114	106.9	111.7	-2.5	-1.7	63	44.6	17° 8"L	71.7	-3.8	-1.0	-3.7	-3.1	-2.1	59.1	39.0	35.1	4L	3.6A
5	89.2	1.26	24.9	6981	115.7	122.1	-1.6	-5.7	69	45.1	23° 10"L	70.7	---	---	-0.8	-3.3	---	65.3	---	32.7	14L	---
6	92.7	1.28	27.5	5873	123.5	129.8	-3.1	-2.8	85	49.2	28° 5"L	72.3	-2.4	2.4	1.0	-4.6	-7.0	63.4	36.9	33.8	8L	2.3A
7	91.3	1.28	27.7	6430	119.9	125.4	1.2	-6.6	82	49.0	11° 0"L	71.4	-2.6	3.0	1.4	0.6	-2.4	63.1	37.5	34.8	18L	2.6A
Average	88.5	1.24	26.2	7028	114.4	120.1	-1.2	-3.8	72	46.4	16° 9"L	71.6	-3.5	-3.5	1.4	-2.1	-3.4	61.5	38.1	34.2	10L	3.4A
Consistency	2.8	0.04	1.1	671	5.6	5.8	1.4	1.7	8	2.0	8° 1"R	0.7	0.8	1.4	1.6	1.7	1.7	2.4	0.8	0.8	5R	0.7A

Note: Data are normalized to no wind conditions at 1000 ft altitude, 77 F with a Premium ball.

Shot Details

Andy Kotarba | May 23, 2019

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Pitching Wedge, 43*, pull

STROKE NO	BALL SPEED mph	SMASH FAC.	LAUNCH ANG. deg	SPIN RATE rpm	CARRY yds	TOTAL yds	LAUNCH DIR. deg	SPIN AXIS deg	HEIGHT ft	LAND. ANG. deg	SIDE	CLUB SPEED mph	ATTACK ANG. deg	CLUB PATH deg	SWING DIR. deg	FACE ANG. deg	FACE TO PATH deg	SWING PL. deg	SPIN LOFT deg	DYN. LOFT deg	CURVE ft	LOW POINT ft
1	99.5	1.36	22.4	6193	135.3	143.0	-2.6	-9.3	78	45.5	47° 9"L	73.3	-3.0	2.4	0.6	-4.0	-6.4	63.1	32.2	28.6	30L	2.8A
2	99.8	1.35	22.3	5988	136.1	144.4	-2.5	-12.2	77	45.0	56° 7"L	73.8	-3.4	1.8	-0.2	-3.6	-5.4	63.0	32.1	28.2	39L	3.2A
Average	99.7	1.36	22.4	6090	135.7	143.7	-2.5	-10.7	78	45.2	52° 2"L	73.5	-3.2	2.1	0.2	-3.8	-5.9	63.0	32.2	28.4	34L	3.0A
Consistency	0.2	0.00	0.1	102	0.4	0.7	0.1	1.5	0	0.2	4° 5"R	0.2	0.2	0.3	0.4	0.2	0.5	0.0	0.1	0.2	5R	0.2A

Note: Data are normalized to no wind conditions at 1000 ft altitude, 77 F with a Premium ball.

Shot Details

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Pitching Wedge, 43*

STROKE NO	BALL SPEED mph	SMASH FAC.	LAUNCH ANG. deg	SPIN RATE rpm	CARRY yds	TOTAL yds	LAUNCH DIR. deg	SPIN AXIS deg	HEIGHT ft	LAND. ANG. deg	SIDE	CLUB SPEED mph	ATTACK ANG. deg	CLUB PATH deg	SWING DIR. deg	FACE ANG. deg	FACE TO PATH deg	SWING PL. deg	SPIN LOFT deg	DYN. LOFT deg	CURVE ft	LOW POINT ft
1	95.8	1.32	24.5	6614	128.0	134.2	-1.1	0.0	80	47.2	7' 7"L	72.4	-2.4	0.6	-0.8	-1.7	-2.3	63.2	34.0	31.5	0	2.3A
2	94.9	1.29	24.3	7216	125.6	131.1	0.9	-2.0	78	46.9	2"L	73.6	-3.6	0.4	-2.0	1.0	0.6	58.5	35.6	32.0	6L	3.4A
Average	95.4	1.31	24.4	6915	126.8	132.7	-0.1	-1.0	79	47.1	3' 10"L	73.0	-3.0	0.5	-1.4	-0.3	-0.8	60.8	34.8	31.7	3L	2.8A
Consistency	0.4	0.02	0.1	301	1.2	1.6	1.0	1.0	1	0.2	3' 9"R	0.6	0.6	0.1	0.6	1.3	1.4	2.4	0.8	0.3	3R	0.6A

Note: Data are normalized to no wind conditions at 1000 ft altitude, 77 F with a Premium ball.

Shot Details

Andy Kotarba | May 23, 2019

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9 Iron, 38*

STROKE NO	BALL SPEED mph	SMASH FAC.	LAUNCH ANG. deg	SPIN RATE rpm	CARRY yds	TOTAL yds	LAUNCH DIR. deg	SPIN AXIS deg	HEIGHT ft	LAND. ANG. deg	SIDE	CLUB SPEED mph	ATTACK ANG. deg	CLUB PATH deg	SWING DIR. deg	FACE ANG. deg	FACE TO PATH deg	SWING PL. deg	SPIN LOFT deg	DYN. LOFT deg	CURVE ft	LOW POINT ft
1	102.1	1.38	22.1	4773	144.9	155.3	-3.5	-4.4	82	45.0	41' 2"L	74.2	-2.2	-0.6	-2.2	-4.1	-3.5	62.1	29.2	26.8	15L	2.0A
2	103.3	1.40	20.7	5195	145.4	155.6	-2.5	-3.1	79	44.2	29' 4"L	73.8	-3.4	0.0	-2.2	-3.1	-3.1	60.9	29.4	25.8	11L	3.1A
3	102.9	1.40	22.2	5032	145.0	154.9	-2.4	-11.0	82	45.2	56' 1"L	73.7	-2.6	0.2	-1.6	-3.0	-3.2	60.1	29.8	27.1	38L	2.6A
Average	102.8	1.39	21.7	5000	145.1	155.3	-2.8	-6.1	81	44.8	42' 2"L	73.9	-2.7	-0.1	-2.0	-3.4	-3.2	61.1	29.5	26.5	21L	2.6A
Consistency	0.5	0.01	0.7	174	0.2	0.3	0.5	3.5	2	0.4	10' 11"R	0.2	0.5	0.3	0.3	0.5	0.2	0.8	0.3	0.6	12R	0.5A

Note: Data are normalized to no wind conditions at 1000 ft altitude, 77 F with a Premium ball.