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E-mail	<a href="mailto:bob@proclubmakers.org">bob@proclubmakers.org</a>	5.5	
			
	Frequency Level	Swingweight	2 - iron Length
Clubmaking Goals	5.5	44	39.50
	Kick Point Goal	Hosel Length	Tip Insertion Depth
Kick Point & Hosel Specifications	M/L	1 1/4	11/16
	Tipping Increments	Initial Tip Trim 2 - Iron	Raw Frequency
Rifle Blank Instructions	9/16	2 10/16	231





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	Frequency Level	Swingweight	2 - iron Length	Hosel Length	Hosel Depth
Clubmaking Goals	<b>5.0</b>	<b>40</b>	<b>39.50</b>	<b>1 4/16</b>	<b>1</b>
	Frequency Level	Swingweight	2 - iron Length	Hosel Length	Hosel Depth
Blank Used & RP Standards	<b>5.0</b>	<b>43</b>	<b>39.00</b>	<b>2 8/16</b>	<b>1 4/16</b>
Adjustments	Frequency Level	Swingweight	2 - iron Length	Hosel Length	Hosel Depth
 Frequency (+/-CPM)	<b>0.00</b>	<b>-3.00</b>	<b>-3.00</b>	<b>-7.50</b>	<b>1.50</b>
 Tip Cut (x 3/16")	<b>0</b>	<b>- 9/16</b>	<b>- 9/16</b>	<b>-1 7/16</b>	<b>5/16</b>
Net Effect	<b>-2 4/16</b>	Initial Tip Cut 2 - Iron	<b>2 10/16</b>	Adjusted Tip Cut 2 - Iron	<b>6/16</b>

<b>1/2</b>		<b>9/16</b>		<b>5/8</b>		<b>11/16</b>	
<b>1 Iron</b>	<b>- 2/16</b>	<b>1 Iron</b>	<b>- 3/16</b>	<b>1 Iron</b>	<b>- 4/16</b>	<b>1 Iron</b>	<b>- 5/16</b>
<b>2 Iron</b>	<b>6/16</b>	<b>2 Iron</b>	<b>3/8</b>	<b>2 Iron</b>	<b>6/16</b>	<b>2 Iron</b>	<b>6/16</b>
<b>3 Iron</b>	<b>14/16</b>	<b>3 Iron</b>	<b>15/16</b>	<b>3 Iron</b>	<b>1</b>	<b>3 Iron</b>	<b>1 1/16</b>
<b>4 Iron</b>	<b>1 6/16</b>	<b>4 Iron</b>	<b>1 8/16</b>	<b>4 Iron</b>	<b>1 10/16</b>	<b>4 Iron</b>	<b>1 12/16</b>
<b>5 Iron</b>	<b>1 14/16</b>	<b>5 Iron</b>	<b>2 1/16</b>	<b>5 Iron</b>	<b>2 4/16</b>	<b>5 Iron</b>	<b>2 7/16</b>
<b>6 Iron</b>	<b>2 6/16</b>	<b>6 Iron</b>	<b>2 10/16</b>	<b>6 Iron</b>	<b>2 14/16</b>	<b>6 Iron</b>	<b>3 2/16</b>
<b>7 Iron</b>	<b>2 14/16</b>	<b>7 Iron</b>	<b>3 3/16</b>	<b>7 Iron</b>	<b>3 8/16</b>	<b>7 Iron</b>	<b>3 13/16</b>
<b>8 Iron</b>	<b>3 6/16</b>	<b>8 Iron</b>	<b>3 12/16</b>	<b>8 Iron</b>	<b>4 2/16</b>	<b>8 Iron</b>	<b>4 8/16</b>
<b>9 Iron</b>	<b>3 14/16</b>	<b>9 Iron</b>	<b>4 5/16</b>	<b>9 Iron</b>	<b>4 12/16</b>	<b>9 Iron</b>	<b>5 3/16</b>
<b>PW</b>	<b>4 6/16</b>	<b>PW</b>	<b>4 14/16</b>	<b>PW</b>	<b>5 6/16</b>	<b>PW</b>	<b>5 14/16</b>
<b>SW</b>	<b>4 14/16</b>	<b>SW</b>	<b>5 7/16</b>	<b>SW</b>	<b>6</b>	<b>SW</b>	<b>6 9/16</b>



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Frequency		Swingweight		2 - Iron Length	
Frequency Goal	<b>5.0</b>	SW Goal	<b>40</b>	Length Goal	<b>39.50</b>
FCM Required for Goal	<b>4.4</b>	FM Standard	<b>43</b>	FM Standard	<b>39.00</b>
CPM Adjustment	<b>-6.0</b>	Difference	<b>-3.00</b>	Difference	<b>0.50</b>
<b>Taper Tip Step-up or Step-down</b>		CPM Adj.	<b>-3.00</b>	CPM Adj.	<b>-3.00</b>
Step-up 4-iron shaft into 3-iron head to Stiffen Flex		<b>Hosel Length</b>		<b>Hosel Depth</b>	
<b>Step Up 1 Iron cpm</b>	<b>3</b>				
<b>Step Up 2 Irons cpm</b>	<b>6</b>	Actual Length	<b>2 4/16</b>	Actual Length	<b>1</b>
Step-down 3-iron shaft into 4-iron head to Soften Flex		FM Standard	<b>2 1/2</b>	FM Standard	<b>1 1/4</b>
<b>Step Down 1 Iron cpm</b>	<b>-3</b>	Difference	<b>- 4/16</b>	Difference	<b>- 4/16</b>
<b>Step Down 2 Irons cpm</b>	<b>-6</b>	CPM Adj.	<b>-1.50</b>	CPM Adj.	<b>1.50</b>

Copy & Paste Swingweight Column		Head Weight for 1/4" Lengths	Irons Length 1/4" Increments
Irons Length	D-0		
41.0	212.0		
40.5	217.7	214.9	40.75
40.0	223.2	220.5	40.25
39.5	229.2	226.2	39.75
39.0	235.8	232.5	39.25
38.0	249.1	242.5	38.75
37.5	256.2	252.7	38.25
37.0	263.7	260.0	37.75
36.5	271.0	267.4	37.25
36.0	278.9	275.0	36.75
35.5	287.0	283.0	36.25
35.0	295.1	291.1	35.75
34.5	303.5	299.3	35.25
34.0	311.8	307.7	34.75
33.5	320.2	316.0	34.25
33.0	330.0	325.1	33.75
			33.25



**FM Swingweight VS.  
Length & Head Weight  
Irons Swingweight**



Irons Length	B-6	B-7	B-8	B-9	C-0	C-1	C-2	C-3	C-4	C-5	C-6	C-7	C-8	C-9	D-0	D-1	D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	E-0
<b>41.0</b>	184.0	186.0	188.0	190.0	192.0	194.0	196.0	198.0	200.0	202.0	204.0	206.0	208.0	210.0	212.0	214.0	216.0	218.0	220.0	222.0	224.0	226.0	228.0	229.0	231.0
<b>40.5</b>	190.3	192.3	194.3	196.3	198.0	200.0	202.0	204.0	206.0	207.7	209.7	211.7	213.7	215.7	217.7	219.7	221.4	223.4	225.4	227.4	229.1	231.1	232.1	234.1	236.8
<b>40.0</b>	194.8	196.8	198.8	200.8	202.9	204.9	206.9	208.9	210.9	213.0	215.0	217.0	219.0	221.0	223.2	224.2	227.2	229.2	231.2	233.3	235.3	237.3	239.3	241.3	243.4
<b>39.5</b>	200.9	202.9	204.9	206.9	209.0	211.0	213.0	215.0	217.0	219.0	221.1	223.1	225.1	227.1	229.2	231.2	233.2	235.2	237.2	239.2	241.3	243.3	245.3	247.3	249.4
<b>39.0</b>	206.1	208.2	210.3	212.4	214.5	216.6	218.7	220.8	222.9	225.2	227.2	229.4	231.5	233.6	235.8	237.9	240.0	242.1	244.2	246.4	248.4	250.4	252.4	254.4	257.0
<b>38.0</b>	219.4	221.5	223.6	225.7	227.9	230.0	232.1	234.2	236.3	238.5	240.6	242.7	244.8	246.9	249.1	251.2	253.3	255.4	257.5	259.7	261.8	261.9	266.0	261.4	263.4
<b>37.5</b>	225.6	227.7	229.8	231.9	234.4	236.5	238.6	240.7	242.8	245.3	247.4	259.5	251.6	253.7	256.2	258.3	260.4	262.5	264.6	267.1	269.2	271.3	273.4	268.1	270.3
<b>37.0</b>	232.6	234.8	237.0	239.2	241.4	243.6	245.8	248.0	250.2	252.6	254.8	257.0	259.2	261.4	263.7	265.9	268.1	270.3	272.5	274.8	276.8	279.0	281.2	275.5	278.0
<b>36.5</b>	240.2	242.4	244.6	246.8	249.0	251.2	253.4	255.6	257.8	260.0	262.2	264.4	266.6	268.8	271.0	273.2	275.4	277.6	279.8	282.0	284.2	286.4	288.6	283.4	285.9
<b>36.0</b>	247.8	250.0	252.2	254.4	256.7	258.9	261.1	263.3	265.5	267.8	270.0	272.2	274.4	276.6	278.9	281.1	283.3	285.5	287.7	290.0	292.0	294.2	296.4	290.8	293.0
<b>35.5</b>	256.2	258.4	260.6	262.8	265.0	267.2	269.4	271.6	273.8	276.0	278.2	280.4	282.6	284.8	287.0	289.2	291.4	293.6	295.8	298.0	300.2	302.4	304.6	298.6	301.1
<b>35.0</b>	263.2	265.5	267.8	270.1	272.3	275.6	277.9	280.2	282.5	283.7	287.0	289.3	291.6	293.9	295.1	297.4	299.7	302.0	304.3	306.5	308.8	311.1	313.4	306.8	309.0
<b>34.5</b>	270.7	273.0	275.3	277.6	280.1	282.4	284.7	287.0	289.3	291.8	294.1	296.4	298.7	301.0	303.5	305.8	308.1	310.4	312.7	315.2	317.5	319.8	322.1	315.7	317.9
<b>34.0</b>	278.2	280.6	283.0	285.4	287.8	290.2	292.6	295.0	297.4	299.8	302.2	304.6	307.0	309.4	311.8	314.2	316.6	319.0	321.4	323.8	326.2	328.6	331.0	324.4	335.8
<b>33.5</b>	285.5	288.0	290.5	293.0	295.4	297.9	300.4	302.9	305.4	307.8	310.3	312.8	315.3	317.8	320.2	322.9	325.4	327.9	330.4	332.6	335.1	337.6	340.1	333.4	345.0



**FM Swingweight VS.  
Length & Head Weight  
Woods Swingweight**



Woods Length	B-6	B-7	B-8	B-9	C-0	C-1	C-2	C-3	C-4	C-5	C-6	C-7	C-8	C-9	D-0	D-1	D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	E-0
<b>45.0</b>	154.6	156.2	157.8	159.4	161.0	162.6	164.2	165.8	167.4	169.0	170.6	172.2	173.8	175.4	177.0	178.6	180.2	181.8	183.4	185.0	186.6	188.2	189.8	191.4	193.0
<b>44.5</b>	158.4	160.0	161.6	163.2	164.9	166.5	168.1	169.7	171.3	173.0	174.6	176.6	177.8	179.4	181.1	182.7	184.3	185.9	187.5	189.2	190.7	192.3	193.9	195.5	197.3
<b>44.0</b>	162.9	164.5	166.1	167.7	169.2	170.8	172.4	174.0	175.6	177.1	178.7	180.3	181.9	183.5	185.1	186.7	188.3	189.9	191.5	193.1	194.7	196.3	197.9	199.5	201.1
<b>43.5</b>	166.2	167.9	169.6	171.3	173.0	174.7	176.4	178.1	179.8	181.5	183.2	184.9	186.6	188.3	190.0	191.7	193.4	195.1	196.8	198.5	200.2	201.9	201.6	205.3	207.0
<b>43.0</b>	170.1	171.8	173.5	175.2	177.6	179.3	181.1	182.7	184.1	186.1	187.8	189.5	191.2	192.9	194.6	196.3	198.0	199.7	201.4	203.1	204.8	206.5	208.2	209.9	211.6
<b>42.5</b>	175.2	186.9	178.6	180.3	182.3	184.0	185.7	187.4	189.1	191.1	192.8	194.5	196.2	197.9	199.8	201.5	203.2	204.9	206.6	208.5	210.2	211.9	213.6	215.3	217.2
<b>42.0</b>	180.1	181.9	183.7	185.3	187.4	189.1	190.9	192.7	194.5	196.2	198.0	199.8	201.6	203.4	205.0	206.8	208.6	210.4	212.2	213.8	215.6	217.4	219.2	221.0	222.6
<b>41.5</b>	184.8	186.6	188.4	190.2	192.0	193.8	195.6	197.4	199.2	201.0	202.8	204.6	206.4	208.2	210.0	211.8	213.6	215.4	217.2	219.0	220.8	222.6	224.4	223.2	228.0
<b>41.0</b>	189.6	191.4	193.2	195.0	196.8	198.6	200.4	202.2	204.0	205.8	207.6	209.4	211.2	213.0	214.8	216.6	218.4	220.2	222.0	223.8	225.6	227.4	229.2	231.0	232.8
<b>40.5</b>	193.3	195.1	196.9	198.7	201.0	202.8	204.6	206.4	208.2	210.5	212.3	214.1	215.9	217.7	220.0	221.8	223.6	225.4	227.2	229.5	231.3	233.1	234.9	236.7	239.0
<b>40.0</b>	199.6	201.5	203.4	205.3	206.8	208.7	210.6	212.5	214.0	215.9	217.8	219.7	221.6	223.5	225.0	226.9	228.8	230.7	232.6	234.1	236.0	237.9	239.8	241.7	243.2
<b>39.5</b>	203.5	205.4	207.3	209.3	211.4	213.3	215.2	217.1	219.0	221.2	223.1	225.0	226.9	228.8	231.0	232.9	234.8	236.7	238.6	270.8	242.7	244.5	246.5	248.4	250.3
<b>39.0</b>	209.0	211.0	213.0	215.0	217.0	219.0	221.0	223.0	225.0	227.0	229.0	231.0	233.0	235.0	237.0	239.0	241.0	243.0	245.0	247.0	249.0	253.0	253.0	255.0	257.0