

# PARALLEL TIP TRIMMING

The KBS Tour, Tour 90, C-Taper and C-Taper lite can be purchased in taper tip (.355) and parallel tip (.370). listed below is the trimming instructions for the parallel tip shafts. This allows the club maker to achieve different flex and performance.

<b>KBS TOUR<sup>®</sup>FST</b>					
<b>Step 1. Select your shaft and desired frequency</b>					
	Softest	—————→			Stiffest
Tour R Flex, 120g	4.0 Freq	4.5 Freq	5.0 Freq	5.5 Freq	
Tour S Flex, 130g	5.0 Freq	5.5 Freq	6.0 Freq	6.5 Freq	
Tour X Flex, 133g	6.0 Freq	6.5 Freq	7.0 Freq	7.5 Freq	
<b>Step 2. Tip trim shaft the amount below freq</b>					
1-iron	0"	7/8"	1 7/ 8"	2 7/ 8"	
2-iron	7/16"	1 7/ 16"	2 7/ 16"	3 7/ 16"	
3-iron	1"	2"	3"	4"	
4-iron	1 9/ 16"	2 9/ 16"	3 9/ 16"	4 9/ 16"	
5-iron	2 1/ 8"	3 1/ 8"	4 1/ 8"	5 1/ 8"	
6-iron	2 11/ 16"	3 11/ 16"	4 11/ 16"	5 11/ 16"	
7-iron	3 1/ 4"	4 1/ 4"	5 1/ 4"	6 1/ 4"	
8-iron	3 13/ 16"	4 13/ 16"	5 13/ 16"	6 13/ 16"	
9-iron	4 3/ 8"	5 3/ 8"	6 3/ 8"	7 3/ 8"	
PW	4 15/ 16"	5 15/ 16"	6 15/ 16"	7 15/ 16"	
<b>Performance Chart</b>					
Flex	Achievable Range				
Regular	4.0 fm - 5.5 fm				
Stiff	5.0 fm - 6.5 fm				
X-Stiff	6.0 fm - 7.5 fm				

<b>KBS TOUR 90<sup>®</sup>FST</b>					
<b>Step 1. Select your shaft and desired frequency</b>					
	Softest	—————→			Stiffest
Tour 90 R Flex, 101g	3.0 Freq	3.5 Freq	4.0 Freq		
Tour 90 S Flex, 102g	4.0 Freq	4.5 Freq	5.0 Freq		
<b>Step 2. Tip trim shaft the amount below freq</b>					
4-iron	0"	1.5"	3.0"		
5-iron	0.5"	2.0"	3.5"		
6-iron	1.0"	2.5"	4.0"		
7-iron	1.5"	3.0"	4.5"		
8-iron	2.0"	3.5"	5.0"		
9-iron	2.5"	4.0"	5.5"		
PW	2.5"	4.0"	5.5"		
<b>Performance Chart</b>					
Flex	Achievable Range				
Regular	3.0 fm - 4.0 fm				
Stiff	4.0 fm - 5.0 fm				

### Step 1. Select your shaft and desired frequency

	Softest	—————→			Stiffest
C-Taper R Flex, 125g	3.5 Freq	4.0 Freq	4.5 Freq	5.0 Freq	
C-Taper S Flex, 135g	4.5 Freq	5.0 Freq	5.5 Freq	6.0 Freq	
C-Taper X Flex, 140g	5.5 Freq	6.0 Freq	6.5 Freq	7.0 Freq	

### Step 2. Tip trim shaft the amount below freq

1-iron	3/16"	1 3/16"	2 3/16"	3 3/16"
2-iron	3/4"	1 3/4"	2 3/4"	3 3/4"
3-iron	1 5/16"	2 5/16"	3 5/16"	4 5/16"
4-iron	1 7/8"	2 7/8"	3 7/8"	4 7/8"
5-iron	2 7/16"	3 7/16"	4 7/16"	5 7/16"
6-iron	3"	4"	5"	6"
7-iron	3 9/16"	4 9/16"	5 9/16"	6 9/16"
8-iron	4 1/8"	5 1/8"	6 1/8"	7 1/8"
9-iron	4 11/16"	5 11/16"	6 11/16"	7 11/16"
PW	5 1/4"	6 1/4"	7 1/4"	8 1/4"

### Performance Chart

Flex	Achievable Range
Regular	3.5 fm - 5.0 fm
Stiff	4.5 fm - 6.0 fm
X-Stiff	5.5 fm - 7.0 fm

### Step 1. Select your shaft and desired frequency

	Softest	—————→		Stiffest
C-Taper Lite R Flex, 108.5g	4.0 Freq			4.5 Freq
C-Taper Lite S Flex, 118.5g	4.5 Freq			5.0 Freq
C-Taper Lite X Flex, 125g	5.0 Freq			5.5 Freq

### Step 2. Tip trim shaft the amount below freq

1-iron	0.50"	1.50"
2-iron	1"	2"
3-iron	1.50"	2.50"
4-iron	2"	3"
5-iron	2.50"	3.50"
6-iron	3"	4"
7-iron	3.50"	4.50"
8-iron	4"	5"
9-iron	4.50"	5.50"
PW	4.50"	5.50"

### Performance Chart

Flex	Achievable Range
Regular	4.0 fm - 4.5 fm
Stiff	4.5 fm - 5.0 fm
X-Stiff	5.0 fm - 5.5 fm

### 1. Analysis

	Graphite	Steel
Right to Left (Right-Handed)	Start with 560 Model	Start with 580 Model
Left to Right (Right-Handed)	Start with 560 Model	Start with 560 Model
Right to Left (Left-Handed)	Start with 560 Model	Start with 560 Model
Left to Right (Left-Handed)	Start with 560 Model	Start with 580 Model

### Step 2. Select shaft flex

	R	S
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### Step 3. Tip trim shaft

	R		S	
	Tip Trim (in.)	Length (in.)	Tip Trim (in.)	Length (in.)
3-iron			1	36.5
4-iron	0	36	1.5	36
5-iron	0.5	35.5	2	35.5
6-iron	1	35	2.5	35
7-iron	1.5	34.5	3	34.5
8-iron	2	34	3.5	34
9-iron	2.5	33.5	4	33.5
PW	3	33	4.5	33

### 1. Analysis

	Graphite	Steel
Right to Left (Right-Handed)	Start with 560 Model	Start with 580 Model
Left to Right (Right-Handed)	Start with 560 Model	Start with 560 Model
Right to Left (Left-Handed)	Start with 560 Model	Start with 560 Model
Left to Right (Left-Handed)	Start with 560 Model	Start with 580 Model

### Step 2. Select shaft flex

	R	S
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### Step 3. Tip trim shaft

	R		S	
	Tip Trim (in.)	Length (in.)	Tip Trim (in.)	Length (in.)
3-iron			1	36.5
4-iron	0	36	1.5	36
5-iron	0.5	35.5	2	35.5
6-iron	1	35	2.5	35
7-iron	1.5	34.5	3	34.5
8-iron	2	34	3.5	34
9-iron	2.5	33.5	4	33.5
PW	3	33	4.5	33

## KBS HYBRID (all flexes)

Hybrid Head Loft	14°	16°	18°	20°	22°
Tip Trim	0"	½"	1"	1 ½"	2"

## CUSTOM TRIMMING INFO (all KBS shafts)

Parallel tip shafts can be custom trimmed in addition to the above trimming specs. For example, the club maker may want to build a set at 6.2 in frequency instead of 6.0. Trim an additional 3/16" for every 1 cpm increase in stiffness. 1cpm equals a change in 0.1 frequency. This means the club maker would trim an additional 3/8" for each shaft to increase the stiffness from 6.0 to 6.2.

Custom Trim	3/16" = 1cpm	1cpm = 0.1 freq
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