

DSFI Dynamic Shaft Fitting Index

FLEX DESIGNATIONS ARE NOT STANDARDIZED IN THE INDUSTRY

It's the hidden truth in the shaft industry... not all shaft flexes are labeled equally. Why? Different vendors produce specs based on different testing methods. In testing approximately 4000 different shafts over the years, we have found that there is great variance in flex designations (L, A, R, S or X flex). It is common to see flex overlap from shaft-to-shaft, manufacturer-to-manufacturer and even within the same manufacturer's own line of shafts in order to create unique designs. In some cases we have seen L-flex shafts to be as stiff as some extra-stiff shafts!

TRUE APPLES-TO-APPLES COMPARISON WITH DSFI

The [Dynamic Shaft Fitting Index](#) (DSFI) helps clubmakers and consumers alike select the right shaft based on a standardized testing method. It is the result of an on-going testing project dating back to 1989. It was the first study of its kind to truly compare industry-wide the relative stiffness of one shaft to another using set standardized testing method. The DSFI was conducted to allow clubmakers and consumers to truly compare shafts apples-to-apples.

WHAT IS THE SCIENCE BEHIND DSFI?

The data is taken, not from the raw uncut shaft, but in its completed assembled form based upon the recommended tip trimming and length the manufacturer intended the shaft to be used. Some of the parameters our R&D department tests for are the frequency (common method of determining stiffness), torque (resistance to twisting) and tip and butt deflection (to show stiffness distribution along the length of the shaft). After each shaft is tested, the data is put into a complex algorithm to put a number on the relative stiffness of each shaft to reflect the bending and twisting the shaft goes through in a swing. The index number is then expanded to form a range to which customers can compare their swing speed (and their swing tempo) to provide a list of possible shaft choices suited to their individual needs. This guide is based on those values to serve as a quick guide to all the shafts we offer.

HOW TO USE HIREKO'S QUICK SHAFT FITTING GUIDE

1 Determine your swing speed / distance & tempo category

Examine the charts to see which range you best fit into based upon your swing speed and average distance as well as your swing tempo. For example, if your (or your customer's) driver speed is between 88 and 95 mph or your average distance off the tee is between 220 – 238 yards and have a moderate tempo, look at shafts in Group E.

Group	Fast Tempo	Moderate Tempo	Slow Tempo
A	Driver <60mph / <150 yds #5-iron < 111 yds	Driver 60-67 mph/150-168 yds #5-iron 111-124 yds	Driver 67-74 mph/168-185 yds #5-iron 124-137 yds
B	Driver 60-67 mph/150-168 yds #5-iron 111-124 yds	Driver 67-74 mph/168-185 yds #5-iron 124-137 yds	Driver 74-81 mph/185-203 yds #5-iron 137-150 yds
C	Driver 67-74 mph/168-185 yds #5-iron 124-137 yds	Driver 74-81 mph/185-203 yds #5-iron 137-150 yds	Driver 81-88 mph/203-220 yds #5-iron 150-163 yds
D	Driver 74-81 mph/185-203 yds #5-iron 137-150 yds	Driver 81-88 mph/203-220 yds #5-iron 150-163 yds	Driver 88-95 mph/220-238 yds #5-iron 163-176 yds
E	Driver 81-88 mph/203-220 yds #5-iron 150-163 yds	Driver 88-95 mph/220-238 yds #5-iron 163-176 yds	Driver 95-102 mph/238-255 yds #5-iron 176-188 yds
F	Driver 88-95 mph/220-238 yds #5-iron 163-176 yds	Driver 95-102 mph/238-255 yds #5-iron 176-188 yds	Driver 102-109 mph/255-273 yds #5-iron 188-201 yds
G	Driver 95-102 mph/238-255 yds #5-iron 176-188 yds	Driver 102-109 mph/255-273 yds #5-iron 188-201 yds	Driver 109 + mph / 273 + yds #5-iron 201+ yds
H	Driver 102-109 mph/255-273 yds #5-iron 188-201 yds	Driver 109 + mph / 273 + yds • #5-iron 201+ yds	

A Note about Tempo:

Tempo is the transition of the swing from backswing to downswing. Fast tempo means quick or aggressive, slow is long and smooth and moderate is in the middle. If you do not know or unsure, choose moderate.

2 Use the Quick Shaft Fitting Guide to determine the range of compatible shafts

A lighter weight shafts is typically better for a golfer with a smoother tempo or looking for more distance. A heavier shaft may be better suited to a golfer with a quicker tempo or looking for more accuracy. It may not be uncommon for someone to select a lighter shaft in their range for a driver and a slightly heavier shaft in the fairway woods.

3 Filter out the shafts based on weight and launch angle

After you have narrowed your range of shafts for speed/ distance and weight, you can finally sort The Launch Angle column. This provides a relationship of the stiffness distribution of the shaft and is ranked from low to high. For golfers who need added trajectory or for those who may fade or slice, select a shaft in your DSFI range that is listed as high. Low is suited more for golfers who may hook or already hit a high ball. Medium would indicate a medium trajectory or neutral ball flight.

WOOD SHAFTS (click on Manufacturer/Shaft/Flex to hyperlink to product page)

Group	Manufacturer / Shaft / Flex	Weight	Trajectory	Group	Manufacturer / Shaft / Flex	Weight	Trajectory
A	Aldila NVS 45 L	<60 grams	High	C	Apollo Shadow UL A	60-69 grams	Mid
A	Aldila NVS 55 L	<60 grams	High	C	Dynacraft Super Collider A	60-69 grams	Mid
A	Fujikura Sakura 45 L	<60 grams	High	C	Fujikura Sakura Sport L	60-69 grams	Mid
A	iBella Bellissima L	<60 grams	High	C	Grafalloy Pro Custom A	60-69 grams	Mid
A	SK Fiber V.I.P. LL	<60 grams	High	C	UST Mamiya MP6 A	60-69 grams	Mid
A	UST Mamiya MP5 L	<60 grams	High	C	UST Mamiya Proforce VTS Red 65 A	60-69 grams	Mid
A	Grafalloy Pro Launch Blue 45 L	<60 grams	High	C	Apollo Balistik Graphite A	70-89 grams	Mid
A	Aldila NV 55 L	<60 grams	Mid	C	SK Fiber Tour Trac 80 A	70-89 grams	Mid
A	Apollo Acculite 45 L	<60 grams	Mid	C	Apollo Shadow Steel L	90 + grams	High
A	Acer Velocity L	60-69 grams	High	C	Powerflex FW114 R	90 + grams	High
A	Aldila VL L	60-69 grams	High	C	Apollo Spectre Lite A	90 + grams	Mid
A	Power Play Zero Gravity L	60-69 grams	High	D	Apollo Shadow FL Graphite R	<60 grams	High
A	SK Fiber V.I.P. L	60-69 grams	High	D	Blue 004 R	<60 grams	High
A	Tour Gear Renaissance L	70-89 grams	Mid	D	Blue 005 R2	<60 grams	High
A	Powerflex FW114 L	90 + grams	High	D	Blue Red 004 R	<60 grams	High
B	Apollo Shadow FL Graphite L	<60 grams	High	D	Blue Red 005 R2	<60 grams	High
B	Fujikura Fit-On Max 56 R2	<60 grams	High	D	Fujikura Fit-On Max 56 S	<60 grams	High
B	Graphite Design G-Series 40 R2	<60 grams	High	D	Grafalloy Booyah R	<60 grams	High
B	iBella Obsession Graphite L	<60 grams	High	D	Graphite Design G-Series 40 S	<60 grams	High
B	SK Fiber Pure Energy L	<60 grams	High	D	Graphite Design Tour AD DI 5 R1	<60 grams	High
B	UST Mamiya Competition Series L	<60 grams	High	D	SK Fiber Superfly A	<60 grams	High
B	UST Mamiya MP5 A	<60 grams	High	D	UST Mamiya Gold 65 R	<60 grams	High
B	UST Mamiya Proforce AC Blue 59 L	<60 grams	High	D	UST Mamiya MP4 R	<60 grams	High
B	Grafalloy Pro Launch Blue 45 A	<60 grams	High	D	UST Mamiya Proforce AC Blue 59 R	<60 grams	High
B	Acer Superleggera L	<60 grams	Mid	D	Aldila RIP Beta 60 R	<60 grams	Mid
B	Apollo Acculite 60 L	<60 grams	Mid	D	Aldila RIP Phenom 50 R	<60 grams	Mid
B	Apollo Shadow UL L	<60 grams	Mid	D	Apollo Acculite 50 R	<60 grams	Mid
B	Acer Velocity A	60-69 grams	High	D	Apollo Acculite 60 R	<60 grams	Mid
B	Apollo Balistik Graphite L	60-69 grams	High	D	Fujikura Motore F1 55 R2	<60 grams	Mid
B	Grafalloy Pro Custom L	60-69 grams	High	D	Graphite Design G-Series 50 R2	<60 grams	Mid
B	Power Play Zero Gravity A	60-69 grams	High	D	Graphite Design Tour AD BB 5 R2	<60 grams	Mid
B	SK Fiber V.I.P. A	60-69 grams	High	D	Project X PXX Tour 52 5.5	<60 grams	Mid
B	Apollo Shadow Graphite L	60-69 grams	Mid	D	Project X Graphite 5.0	<60 grams	Mid
B	Dynacraft Super Collider L	60-69 grams	Mid	D	SK Fiber Helium A	<60 grams	Mid
B	Tour Gear Renaissance A	70-89 grams	Mid	D	Lite Revolution I A	<60 grams	Mid
B	Apollo Spectre Lite L	90 + grams	High	D	SK Fiber Pure Energy R	<60 grams	Mid
B	Powerflex FW114 A	90 + grams	High	D	UST Mamiya Competition Series R	<60 grams	Mid
C	Apollo Shadow FL Graphite A	<60 grams	High	D	Acer Velocity R	60-69 grams	High
C	Blue 004 R2	<60 grams	High	D	Apollo Shadow UL R	60-69 grams	High
C	Blue Red 004 R2	<60 grams	High	D	Fujikura Fit-On Max 60 R	60-69 grams	High
C	Fujikura Fit-On Max 56 R	<60 grams	High	D	Grafalloy Pro Custom R	60-69 grams	High
C	Fujikura Fit-On Max 60 R2	<60 grams	High	D	Graphite Design G-Tech A	60-69 grams	High
C	Grafalloy Pro Launch Blue Speed Coat A	<60 grams	High	D	Power Play Zero Gravity R	60-69 grams	High
C	Graphite Design G-Series 40 R	<60 grams	High	D	True Ace Green Ghost R	60-69 grams	High
C	Graphite Design Tour AD DI 5 R2	<60 grams	High	D	UST Mamiya Proforce AC Blue 69 R	60-69 grams	High
C	iBella Obsession Graphite A	<60 grams	High	D	Aldila DVS 60 R	60-69 grams	Mid
C	SK Fiber Pure Energy A	<60 grams	High	D	Aldila NVS 65 R	60-69 grams	Mid
C	UST Mamiya Competition Series A	<60 grams	High	D	Aldila RIP Phenom 60 R	60-69 grams	Mid
C	UST Mamiya Gold 65 A	<60 grams	High	D	Aldila RIPd NV 65 R	60-69 grams	Mid
C	UST Mamiya MP4 A	<60 grams	High	D	Aldila Voodoo 60 R	60-69 grams	Mid
C	UST Mamiya Proforce AC Blue 59 A	<60 grams	High	D	Apollo Shadow Graphite R	60-69 grams	Mid
C	UST Mamiya MP5 R	<60 grams	High	D	Dynacraft Super Collider R	60-69 grams	Mid
C	Acer Superleggera A	<60 grams	Mid	D	UST Mamiya Proforce VTS Red 65 R	60-69 grams	Mid
C	Grafalloy Pro Launch Blue 45 R	<60 grams	High	D	Aldila RIP Gamma 60 R	60-69 grams	Low
C	SK Fiber Helium L	<60 grams	Mid	D	Aldila VX R	70-89 grams	High
C	UST Mamiya Proforce VTS Red 55 A	<60 grams	Mid	D	Aldila Voodoo 75 R	70-89 grams	Mid
C	Aldila VL A	60-69 grams	High	D	Apollo Acculite 70 R	70-89 grams	Mid
C	Graphite Design G-Tech L	60-69 grams	High	D	Tour Gear Renaissance R	70-89 grams	Mid
C	Loomis Collegiate Series A	60-69 grams	High	D	Apollo Shadow Steel A	90 + grams	High
C	Apollo Shadow Graphite A	60-69 grams	Mid	D	Powerflex FW114 S	90 + grams	High

Group	Manufacturer / Shaft / Flex	Weight	Trajectory
D	Apollo Balistik Steel L	90 + grams	Mid
D	Apollo Standard Stepped L	90 + grams	Mid
E	Grafalloy Pro Launch Blue Speed Coat S	<60 grams	High
E	Grafalloy Booyah S	<60 grams	High
E	Grafalloy Pro Launch Blue Speed Coat R	<60 grams	High
E	Graphite Design Tour AD DI 5 S	<60 grams	High
E	UST Mamiya Gold 65 S	<60 grams	High
E	UST Mamiya MP4 S	<60 grams	High
E	UST Mamiya Proforce AC Blue 59 S	<60 grams	High
E	Acer Superleggera R	<60 grams	Mid
E	Aldila RIP Phenom 50 S	<60 grams	Mid
E	Apollo Acculite 50 S	<60 grams	Mid
E	Apollo Acculite 60 S	<60 grams	Mid
E	Attas Elements MK 50 R	<60 grams	Mid
E	Blue 005 R	<60 grams	Mid
E	Blue Red 005 R	<60 grams	Mid
E	Fujikura Motore F1 55 R	<60 grams	Mid
E	Grafalloy Pro Launch Blue 45 S	<60 grams	Mid
E	Graphite Design G-Series 50 R	<60 grams	Mid
E	Graphite Design Tour AD BB 5 R	<60 grams	Mid
E	Project X Graphite 5.5	<60 grams	Mid
E	SK Fiber Helium R	<60 grams	Mid
E	Lite Revolution I R	<60 grams	Mid
E	SK Fiber Pure Energy S	<60 grams	Mid
E	True Ace Death Stick R	<60 grams	Mid
E	UST Mamiya MP5 S	<60 grams	Mid
E	UST Mamiya Proforce VTS Black 55 R	<60 grams	Mid
E	UST Mamiya Proforce VTS Silver 55 R	<60 grams	Mid
E	Aldila VS Proto 60 R	<60 grams	Low
E	Grafalloy Pro Launch Red Speed Coat R	<60 grams	Low
E	Project X PXv Tour 52 6.0	<60 grams	Low
E	Project X Black Graphite 5.5	<60 grams	Low
E	Acer Velocity S	60-69 grams	High
E	Fujikura Fit-On Max 60 S	60-69 grams	High
E	Graphite Design G-Tech R	60-69 grams	High
E	Graphite Design YS-6+ R	60-69 grams	High
E	Power Play Zero Gravity S	60-69 grams	High
E	True Ace Green Ghost S	60-69 grams	High
E	UST Mamiya PF AC Tour Black 69 R	60-69 grams	High
E	Aldila NV Voodoo 60 R	60-69 grams	Mid
E	Aldila RIP Phenom 60 S	60-69 grams	Mid
E	Aldila RIPd NV 65 S	60-69 grams	Mid
E	Apollo Shadow UL S	60-69 grams	Mid
E	Attas Elements MK 60 R	60-69 grams	Mid
E	Dynacraft Super Collider S	60-69 grams	Mid
E	Fujikura Fit-On Max 65 R	60-69 grams	Mid
E	Graphite Design G-Series 60 R	60-69 grams	Mid
E	Loomis Collegiate Series R	60-69 grams	Mid
E	True Ace Orange Ion R	60-69 grams	Mid
E	UST Mamiya Competition Series S	60-69 grams	Mid
E	UST Mamiya PF AC Tour Green 60 R	60-69 grams	Mid
E	UST Mamiya Proforce V2 65 R	60-69 grams	Mid
E	UST Mamiya Proforce VTS Red 65 S	60-69 grams	Mid
E	UST Mamiya Proforce VTS Silver 65 R	60-69 grams	Mid
E	Aldila NV 65 R	60-69 grams	Low
E	Aldila RIP 60 R	60-69 grams	Low
E	Fujikura Motore F1 65 R2	60-69 grams	Low
E	Aldila VX S	70-89 grams	High
E	Aldila NV Voodoo 75 R	70-89 grams	Mid
E	Aldila NVS 75 R	70-89 grams	Mid
E	Apollo Acculite 70 S	70-89 grams	Mid
E	Apollo Balistik Graphite R	70-89 grams	Mid
E	Apollo Shadow Graphite S	70-89 grams	Mid
E	Graphite Design YS-7+ R	70-89 grams	Mid
E	SK Fiber Tour Trac 80 R	70-89 grams	Mid
E	SK Fiber Tour Trac 90 R	70-89 grams	Mid
E	Tour Gear Renaissance S	70-89 grams	Mid
E	UST Mamiya Proforce VTS Red 75 R	70-89 grams	Mid
E	Aldila RIP 70 R	70-89 grams	Low
E	Aldila RIP Gamma 70 R	70-89 grams	Low
E	Attas Elements MK 70 R	70-89 grams	Low
E	Apollo Shadow Steel R	90 + grams	High
E	Apollo Balistik Steel A	90 + grams	Mid
E	Apollo Standard Stepped A	90 + grams	Mid
E	True Temper Dynamic Gold R300	90 + grams	Low
F	Grafalloy Booyah X	<60 grams	High
F	Grafalloy Pro Launch Blue Speed Coat S	<60 grams	High
F	Acer Superleggera S	<60 grams	Mid
F	Aldila RIP Phenom 50 X	<60 grams	Mid

Group	Manufacturer / Shaft / Flex	Weight	Trajectory
F	Attas Elements MK 50 S	<60 grams	Mid
F	Blue 004 S	<60 grams	Mid
F	Blue 005 S	<60 grams	Mid
F	Blue Red 004 S	<60 grams	Mid
F	Blue Red 005 S	<60 grams	Mid
F	Fujikura Motore F1 55 S	<60 grams	Mid
F	Fujikura Motore F3 60 R	<60 grams	Mid
F	Graphite Design G-Series 50 S	<60 grams	Mid
F	Grafalloy Design Tour AD BB 5 S	<60 grams	Mid
F	SK Fiber Helium S	<60 grams	Mid
F	SK Fiber Superfly R	<60 grams	Mid
F	True Ace Death Stick S	<60 grams	Mid
F	UST Mamiya Proforce VTS Black 55 S	<60 grams	Mid
F	UST Mamiya Proforce VTS Silver 55 S	<60 grams	Mid
F	Grafalloy Pro Launch Red Speed Coat S	<60 grams	Low
F	Project X PXv Tour 52 6.5	<60 grams	Low
F	Project X Black Graphite 6.0	<60 grams	Low
F	Grafalloy Pro Custom S	60-69 grams	High
F	Graphite Design Tour AD DI 6 SR	60-69 grams	High
F	Graphite Design YS-6+ S	60-69 grams	High
F	UST Mamiya PF AC Tour Black 69 S	60-69 grams	High
F	UST Mamiya Proforce AC Blue 69 S	60-69 grams	High
F	Aldila DVS 60 S	60-69 grams	Mid
F	Aldila NV Voodoo 60 S	60-69 grams	Mid
F	Aldila NVS 65 S	60-69 grams	Mid
F	Aldila RIP Beta 60 S	60-69 grams	Mid
F	Aldila Voodoo 60 S	60-69 grams	Mid
F	Attas Elements MK 60 S	60-69 grams	Mid
F	Fujikura Fit-On Max 65 S	60-69 grams	Mid
F	Grafalloy Blue 65 Speedcoat R	60-69 grams	Mid
F	Grafalloy Pro Launch Blue 65 R	60-69 grams	Mid
F	Graphite Design G-Series 60 S	60-69 grams	Mid
F	Graphite Design G-Tech S	60-69 grams	Mid
F	Graphite Design Tour AD BB 6 SR	60-69 grams	Mid
F	Loomis Collegiate Series S	60-69 grams	Mid
F	Project X Graphite 6.0	60-69 grams	Mid
F	SK Fiber Fury 65 R	60-69 grams	Mid
F	True Ace Orange Ion R	60-69 grams	Mid
F	UST Mamiya MP6 R	60-69 grams	Mid
F	UST Mamiya PF AC Tour Green 60 S	60-69 grams	Mid
F	UST Mamiya Proforce VTS Black 65 R	60-69 grams	Mid
F	UST Mamiya Proforce VTS Silver 65 S	60-69 grams	Mid
F	Aldila RIP 60 S	60-69 grams	Low
F	Aldila RIP Gamma 60 S	60-69 grams	Low
F	Aldila VS Proto 70 R	60-69 grams	Low
F	Fujikura Motore F1 65 R	60-69 grams	Low
F	Grafalloy BiMatrix Prototype R	60-69 grams	Low
F	Grafalloy Pro Launch Red R	60-69 grams	Low
F	Lite Revolution I S	60-69 grams	Low
F	UST Mamiya Proforce VTS Red 65 SX	60-69 grams	Low
F	UST Mamiya Proforce VTS Red 65 X	60-69 grams	Low
F	UST Mamiya PF AC Tour Black 79 R	70-89 grams	High
F	Aldila NVS 75 S	70-89 grams	Mid
F	Aldila RIP Beta 70 S	70-89 grams	Mid
F	Aldila RIP Phenom 70 S	70-89 grams	Mid
F	Grafalloy Blue 75 Speedcoat R	70-89 grams	Mid
F	Graphite Design YS-7+ S	70-89 grams	Mid
F	SK Fiber Tour Trac 80 S	70-89 grams	Mid
F	SK Fiber Tour Trac 90 S	70-89 grams	Mid
F	UST Mamiya PF AC Tour Green 70 R	70-89 grams	Mid
F	UST Mamiya Proforce V2 75 R	70-89 grams	Mid
F	UST Mamiya Proforce VTS Black 75 R	70-89 grams	Mid
F	UST Mamiya Proforce VTS Red 75 S	70-89 grams	Mid
F	UST Mamiya Proforce VTS Silver 75 R	70-89 grams	Mid
F	Aldila NV 75 R	70-89 grams	Low
F	Aldila RIP Gamma 70 S	70-89 grams	Low
F	Attas Elements MK 70 S	70-89 grams	Low
F	Fujikura Fit-On Max 76 R	70-89 grams	Low
F	Fujikura Motore F1 75 R	70-89 grams	Low
F	Powerflex FW501 R	70-89 grams	Low
F	Apollo Balistik Steel R	90 + grams	Mid
F	Apollo Standard Stepless R	90 + grams	Mid
F	Apollo Standard Stepped R	90 + grams	Mid
F	True Temper Dynamic Gold S300	90 + grams	Low
G	Aldila RIP Phenom 50 Tour X	<60 grams	Mid
G	Fujikura Motore F1 55 X	<60 grams	Mid
G	Fujikura Motore F3 60 S	<60 grams	Mid
G	Aldila VS Proto 60 S	<60 grams	Low
G	Grafalloy Pro Launch Red Speed Coat X	<60 grams	Low

Group	Manufacturer / Shaft / Flex	Weight	Trajectory
G	Project X PkV Tour 52 7.0	<60 grams	Low
G	Project X Black Graphite 6.5	<60 grams	Low
G	SK Fiber Superfly S	<60 grams	Low
G	Graphite Design Tour AD DI 6 S	60-69 grams	High
G	Graphite Design Tour AD DI 7 S	60-69 grams	High
G	Graphite Design YS-6+ X	60-69 grams	High
G	UST Mamiya PF AC Tour Black 69 X	60-69 grams	High
G	UST Mamiya Proforce AC Blue 69 X	60-69 grams	High
G	Aldila NV Voodoo 60 X	60-69 grams	Mid
G	Aldila RIP Phenom 60 X	60-69 grams	Mid
G	Aldila RIPd NV 65 X	60-69 grams	Mid
G	Fujiikura Fit-On Max 65 X	60-69 grams	Mid
G	Fujiikura Motore F3 70 S	60-69 grams	Mid
G	Grafalloy Blue 65 Speedcoat S	60-69 grams	Mid
G	Grafalloy Pro Launch Blue 65 S	60-69 grams	Mid
G	Graphite Design G-Series 60 X	60-69 grams	Mid
G	Graphite Design Tour AD BB 6 SR	60-69 grams	Mid
G	Loomis Collegiate Series X	60-69 grams	Mid
G	SK Fiber Fury 65 S	60-69 grams	Mid
G	True Ace Blue Crush R	60-69 grams	Mid
G	UST Mamiya MP6 S	60-69 grams	Mid
G	UST Mamiya PF AC Tour Green 60 X	60-69 grams	Mid
G	UST Mamiya Proforce V2 65 S	60-69 grams	Mid
G	UST Mamiya Proforce VTS Black 65 S	60-69 grams	Mid
G	Aldila NV 65 S	60-69 grams	Low
G	Aldila VS Proto 70 S	60-69 grams	Low
G	Attas Elements MK 60 X	60-69 grams	Low
G	Blue TS-65 S	60-69 grams	Low
G	Fujiikura Motore F1 65 S	60-69 grams	Low
G	Grafalloy BiMatrix Prototype S	60-69 grams	Low
G	Grafalloy Pro Launch Red S	60-69 grams	Low
G	Project X Graphite 6.5	60-69 grams	Low
G	Lite Revolution I X	60-69 grams	Low
G	UST Mamiya Proforce VTS Black 65 SX	60-69 grams	Low
G	UST Mamiya Proforce VTS Red 65 XX	60-69 grams	Low
G	UST Mamiya Proforce VTS Silver 65 SX	60-69 grams	Low
G	UST Mamiya Proforce VTS Silver 65 X	60-69 grams	Low
G	Graphite Design Tour AD DI 8 S	70-89 grams	High
G	UST Mamiya PF AC Tour Black 79 S	70-89 grams	High
G	Aldila NV Voodoo 75 S	70-89 grams	Mid
G	Aldila RIP Phenom 70 X	70-89 grams	Mid
G	Aldila Voodoo 75 S	70-89 grams	Mid
G	Fujiikura Motore F3 80 S	70-89 grams	Mid
G	Grafalloy Blue 75 Speedcoat S	70-89 grams	Mid
G	Graphite Design G-Series 70 S	70-89 grams	Mid
G	Graphite Design G-Series 80 S	70-89 grams	Mid
G	Graphite Design Tour AD BB 7 S	70-89 grams	Mid
G	Graphite Design Tour AD BB 8 S	70-89 grams	Mid
G	Graphite Design YS-7+ X	70-89 grams	Mid
G	SK Fiber Corsair 75 R	70-89 grams	Mid
G	UST Mamiya MP7 S	70-89 grams	Mid
G	UST Mamiya PF AC Tour Green 70 S	70-89 grams	Mid
G	UST Mamiya Proforce V2 75 S	70-89 grams	Mid
G	UST Mamiya Proforce VTS Black 75 S	70-89 grams	Mid
G	UST Mamiya Proforce VTS Silver 75 S	70-89 grams	Mid
G	Aldila NV 75 S	70-89 grams	Low
G	Aldila RIP 70 S	70-89 grams	Low
G	Apollo Ballistik Graphite S	70-89 grams	Low
G	Fujiikura Fit-On Max 76 S	70-89 grams	Low
G	Fujiikura Motore F1 75 S	70-89 grams	Low
G	Powerflex FW501 S	70-89 grams	Low
G	SK Fiber Tour Trac 100 S	70-89 grams	Low
G	UST Mamiya Proforce VTS Red 75 SX	70-89 grams	Low
G	UST Mamiya Proforce VTS Red 75 X	70-89 grams	Low

Group	Manufacturer / Shaft / Flex	Weight	Trajectory
G	UST Mamiya Proforce VTS Silver 75 SX	70-89 grams	Low
G	Apollo Shadow Steel S	90 + grams	High
G	Apollo Ballistik Steel S	90 + grams	Mid
G	Apollo Standard Stepless S	90 + grams	Mid
G	Apollo Standard Stepped S	90 + grams	Mid
G	True Temper Dynamic Gold X100	90 + grams	Low
H	Fujiikura Motore F3 60 X	<60 grams	Mid
H	Graphite Design Tour AD DI 6 X	60-69 grams	High
H	Aldila RIP Beta 60 X	60-69 grams	Mid
H	Aldila RIP Beta 70 X	60-69 grams	Mid
H	Aldila RIP Phenom 60 Tour X	60-69 grams	Mid
H	Aldila RIPd NV 65 Tour X	60-69 grams	Mid
H	Aldila Voodoo 60 X	60-69 grams	Mid
H	Fujiikura Motore F3 70 X	60-69 grams	Mid
H	Grafalloy Blue 65 Speedcoat X	60-69 grams	Mid
H	Grafalloy Pro Launch Blue 65 X	60-69 grams	Mid
H	Graphite Design Tour AD BB 6 X	60-69 grams	Mid
H	True Ace Blue Crush S	60-69 grams	Mid
H	UST Mamiya Proforce V2 65 X	60-69 grams	Mid
H	Aldila NV 65 X	60-69 grams	Low
H	Aldila RIP 60 X	60-69 grams	Low
H	Aldila RIP Gamma 60 X	60-69 grams	Low
H	Blue TS-65 X	60-69 grams	Low
H	Fujiikura Motore F1 65 X	60-69 grams	Low
H	Grafalloy Pro Launch Red X	60-69 grams	Low
H	Loomis Collegiate Series XX	60-69 grams	Low
H	Project X Black Graphite 7.0	60-69 grams	Low
H	Project X Graphite 7.0	60-69 grams	Low
H	SK Fiber Fury 65 X	60-69 grams	Low
H	UST Mamiya Proforce VTS Black 65 X	60-69 grams	Low
H	UST Mamiya Proforce VTS Black 65 XX	60-69 grams	Low
H	UST Mamiya Proforce VTS Silver 65 XX	60-69 grams	Low
H	Graphite Design Tour AD DI 7 X	70-89 grams	High
H	Graphite Design Tour AD DI 8 X	70-89 grams	High
H	UST Mamiya PF AC Tour Black 79 X	70-89 grams	High
H	Aldila NV Voodoo 75 X	70-89 grams	Mid
H	Aldila RIP Phenom 70 Tour X	70-89 grams	Mid
H	Aldila Voodoo 75 X	70-89 grams	Mid
H	Fujiikura Motore F3 80 X	70-89 grams	Mid
H	Grafalloy Blue 75 Speedcoat X	70-89 grams	Mid
H	Graphite Design G-Series 70 X	70-89 grams	Mid
H	Graphite Design G-Series 80 X	70-89 grams	Mid
H	Graphite Design Tour AD BB 7 X	70-89 grams	Mid
H	Graphite Design Tour AD BB 8 X	70-89 grams	Mid
H	UST Mamiya MP7 SX	70-89 grams	Mid
H	UST Mamiya PF AC Tour Green 70 X	70-89 grams	Mid
H	UST Mamiya Proforce V2 75 X	70-89 grams	Mid
H	Aldila NV 75 X	70-89 grams	Low
H	Aldila RIP 70 X	70-89 grams	Low
H	Aldila RIP Gamma 70 X	70-89 grams	Low
H	Fujiikura Fit-On Max 76 X	70-89 grams	Low
H	Fujiikura Motore F1 75 X	70-89 grams	Low
H	Grafalloy BiMatrix Prototype X	70-89 grams	Low
H	SK Fiber Corsair 75 S	70-89 grams	Low
H	SK Fiber Rocket 85 S	70-89 grams	Low
H	SK Fiber Rocket 85 X	70-89 grams	Low
H	UST Mamiya Proforce VTS Black 75 SX	70-89 grams	Low
H	UST Mamiya Proforce VTS Black 75 X	70-89 grams	Low
H	UST Mamiya Proforce VTS Black 75 XX	70-89 grams	Low
H	UST Mamiya Proforce VTS Red 75 XX	70-89 grams	Low
H	UST Mamiya Proforce VTS Silver 75 X	70-89 grams	Low
H	UST Mamiya Proforce VTS Silver 75 XX	70-89 grams	Low
H	SK Fiber Tour Trac 100 X	90 + grams	Low

IRON SHAFTS (click on Manufacturer/Shaft/Flex to hyperlink to product page)

Group	Manufacturer / Shaft / Flex	Weight	Trajectory
A	Apollo Shadow FL Graphite L	<60 grams	High
A	Apollo Shadow UL Graphite L	<60 grams	High
A	Fujiikura Sakura L	<60 grams	High
A	iBella Bellissima L	<60 grams	High
A	iBella Obsession Graphite L	<60 grams	High
A	Power Play Zero Gravity L	<60 grams	High
A	SK Fiber V.I.P. LL	<60 grams	High
A	SK Fiber V.I.P. L	<60 grams	High

Group	Manufacturer / Shaft / Flex	Weight	Trajectory
A	UST Mamiya MP6 L	<60 grams	High
A	Apollo Acculite 60 L	<60 grams	Mid
A	Acer Velocity L	60-70 grams	High
A	Grafalloy Pro Custom L	60-70 grams	High
A	Apollo Shadow Graphite L	60-70 grams	Mid
A	Dynacraft Super Collider L	60-70 grams	Mid
A	Powerflex FW114 L	70-89 grams	High
A	Tour Gear Renaissance L	70-89 grams	Mid

Group	Manufacturer / Shaft / Flex	Weight	Trajectory	Group	Manufacturer / Shaft / Flex	Weight	Trajectory
B	Apollo Shadow FL Graphite A	<60 grams	High	D	Apollo Acculite 70 S	70-89 grams	Mid
B	Apollo Shadow UL Graphite A	<60 grams	High	D	KBS Tour 90 R	70-89 grams	Mid
B	Fujikura Fit-On Max 65 R2	<60 grams	High	D	KBS Tour 90 Steel Tapered R	70-89 grams	Mid
B	Fujikura Sakura Sport L	<60 grams	High	D	SK Fiber Tour Trac 90 R	70-89 grams	Mid
B	iBella Obsession Graphite L	<60 grams	High	D	Tour Gear Renaissance R	70-89 grams	Mid
B	SK Fiber Pure Energy L	<60 grams	High	D	UST Mamiya Proforce Rv2 75 R	70-89 grams	Mid
B	SK Fiber V.I.P. A	<60 grams	High	D	FST 90 Steel R	90-109 grams	High
B	Acer Velocity A	60-70 grams	High	D	FST 115 Steel R	90-109 grams	High
B	Aldila VL Black Graphite L	60-70 grams	High	D	FST Pro 115 Stepless Steel R	90-109 grams	High
B	Grafalloy Pro Custom A	60-70 grams	High	D	Powerflex FW114 S	90-109 grams	High
B	Graphite Design G-Tech L	60-70 grams	High	D	True Temper Multi-Step Lite A	90-109 grams	High
B	Power Play Zero Gravity A	60-70 grams	High	D	Apollo Acculite 95 Steel R	90-109 grams	Mid
B	UST Mamiya MP6 A	60-70 grams	High	D	Apollo Standard Stepped A	90-109 grams	Mid
B	Apollo Balistik Graphite L	60-70 grams	Mid	D	Apollo Acculite Gunsmoke R	90-109 grams	Mid
B	Apollo Shadow Graphite A	60-70 grams	Mid	D	Apollo Phantom Steel R	90-109 grams	Mid
B	Dynacraft Super Collider A	60-70 grams	Mid	D	Apollo Spectre Lite A	90-109 grams	Mid
B	SK Fiber Tour Trac 80 A	60-70 grams	Mid	D	Apollo Hump Steel R	90-109 grams	Low
B	Apollo Shadow Steel L	70-89 grams	High	E	Aldila VX Black Graphite S	60-70 grams	High
B	Tour Gear Renaissance A	70-89 grams	Mid	E	Grafalloy Pro Custom S	60-70 grams	High
B	Powerflex FW114 A	90-109 grams	High	E	Apollo Balistik Graphite R	60-70 grams	Mid
C	Apollo Shadow FL Graphite R	<60 grams	High	E	Fujikura Fit-On Max 75 S	60-70 grams	Mid
C	Apollo Shadow UL Graphite R	<60 grams	High	E	SK Fiber Pure Energy S	60-70 grams	Mid
C	Fujikura Fit-On Max 65 R	<60 grams	High	E	SK Fiber Tour Trac 80 S	60-70 grams	Mid
C	SK Fiber Pure Energy A	<60 grams	High	E	UST Mamiya MP6 S	60-70 grams	Mid
C	Apollo Acculite 60 R	<60 grams	Mid	E	Apollo Acculite 85 Steel S	70-89 grams	High
C	Acer Velocity R	60-70 grams	High	E	Grafalloy Pro Launch Blue R	70-89 grams	High
C	Aldila VL Black Graphite A	60-70 grams	High	E	Graphite Design G-Tech R	70-89 grams	High
C	Grafalloy Pro Custom R	60-70 grams	High	E	UST Mamiya Competition Series R	70-89 grams	High
C	Graphite Design G-Tech A	60-70 grams	High	E	Apollo Shadow Graphite S	70-89 grams	Mid
C	Power Play Zero Gravity R	60-70 grams	High	E	Dynacraft Super Collider S	70-89 grams	Mid
C	UST Mamiya Competition Series L	60-70 grams	High	E	Powerflex FW501 R	70-89 grams	Mid
C	UST Mamiya Recoil 660 A	60-70 grams	High	E	Tour Performance S	70-89 grams	Mid
C	Tour Performance A	60-70 grams	Mid	E	SK Fiber Tour Trac 90 S	70-89 grams	Mid
C	UST Mamiya MP6 R	60-70 grams	Mid	E	SK Fiber Tour Trac 95 Matte Black R	70-89 grams	Mid
C	Apollo Acculite 75 Steel R	70-89 grams	High	E	Tour Gear Renaissance S	70-89 grams	Mid
C	FST 90 Steel A	70-89 grams	High	E	UST Mamiya Proforce Rv2 75 S	70-89 grams	Mid
C	True Temper GS85 R	70-89 grams	High	E	UST Mamiya Proforce Rv2 95 R	70-89 grams	Mid
C	UST Mamiya iROD Iron R	70-89 grams	High	E	UST Mamiya Recoil 670 S	70-89 grams	Mid
C	Apollo Acculite 70 R	70-89 grams	Mid	E	UST Mamiya Recoil 680 S	70-89 grams	Mid
C	Apollo Shadow Graphite R	70-89 grams	Mid	E	FST 115 Steel S	90-109 grams	High
C	Apollo Spectre Lite L	70-89 grams	Mid	E	True Temper Dynalite Gold SL R300	90-109 grams	High
C	Dynacraft Super Collider R	70-89 grams	Mid	E	True Temper GS95 S	90-109 grams	High
C	Apollo Shadow Steel A	90-109 grams	High	E	Apollo Acculite 95 Steel S	90-109 grams	Mid
C	FST 115 Steel A	90-109 grams	High	E	Apollo Balistik Steel A	90-109 grams	Mid
C	FST Pro 115 Stepless Steel A	90-109 grams	High	E	Apollo Acculite Gunsmoke S	90-109 grams	Mid
C	Powerflex FW114 R	90-109 grams	High	E	Apollo Phantom Steel S	90-109 grams	Mid
C	True Temper GS95 R	90-109 grams	High	E	Apollo Spectre Lite R	90-109 grams	Mid
C	True Temper Multi-Step Lite L	90-109 grams	High	E	FST Pro 115 Stepless Steel S	90-109 grams	Mid
C	Apollo Balistik Steel L	90-109 grams	Mid	E	KBS Tour Tapered Steel R	90-109 grams	Mid
C	Apollo Standard Stepped L	90-109 grams	Mid	E	KBS Tour Steel R	90-109 grams	Mid
D	Apollo Shadow FL Graphite S	<60 grams	High	E	KBS Tour 90 S	90-109 grams	Mid
D	Apollo Shadow UL Graphite S	<60 grams	High	E	KBS Tour 90 Steel Tapered S	90-109 grams	Mid
D	Fujikura Fit-On Max 65 S	<60 grams	High	E	Project X 95 Flighted Taper Tip 5.0	90-109 grams	Mid
D	SK Fiber Pure Energy R	<60 grams	Mid	E	SK Fiber Tour Trac 100 R	90-109 grams	Mid
D	Acer Velocity S	60-70 grams	High	E	Apollo Hump Steel S	90-109 grams	Low
D	Aldila VX Black Graphite R	60-70 grams	High	E	KBS C-Tapered Steel, Parallel R	90-109 grams	Low
D	Power Play Zero Gravity S	60-70 grams	High	E	True Temper Dynamic Gold SL R300	90-109 grams	Low
D	UST Mamiya Competition Series A	60-70 grams	High	E	Apollo Standard Stepped R	110+ grams	Mid
D	UST Mamiya Recoil 660 R	60-70 grams	High	E	Apollo Standard Stepless R	110+ grams	Mid
D	Apollo Acculite 60 S	60-70 grams	Mid	E	Apollo Black Steel R	110+ grams	Mid
D	Apollo Balistik Graphite A	60-70 grams	Mid	E	Apollo Blue Steel PVD R	110+ grams	Mid
D	Fujikura Fit-On Max 75 R	60-70 grams	Mid	E	Apollo Copper Steel R	110+ grams	Mid
D	Tour Performance R	60-70 grams	Mid	F	Apollo Balistik Graphite S	60-70 grams	Low
D	SK Fiber Tour Trac 80 R	60-70 grams	Mid	F	Grafalloy Pro Launch Blue S	70-89 grams	High
D	UST Mamiya Recoil 670 R	60-70 grams	Mid	F	Graphite Design G-Tech S	70-89 grams	Mid
D	Apollo Acculite 85 Steel R	70-89 grams	High	F	Powerflex FW501 S	70-89 grams	Mid
D	Apollo Acculite 75 Steel S	70-89 grams	High	F	SK Fiber Tour Trac 95 Matte Black S	70-89 grams	Mid
D	Grafalloy Pro Launch Blue A	70-89 grams	High	F	UST Mamiya Competition Series S	70-89 grams	Mid
D	True Temper GS85 S	70-89 grams	High	F	UST Mamiya Proforce Rv2 95 S	70-89 grams	Mid
D	UST Mamiya iROD Iron S	70-89 grams	High	F	UST Mamiya Recoil 680 X	70-89 grams	Mid

Group	Manufacturer / Shaft / Flex	Weight	Trajectory
F	FST 115 Steel X	90-109 grams	High
F	True Temper Dynalite Gold SL S300	90-109 grams	High
F	True Temper Dynalite Gold XP R300	90-109 grams	High
F	True Temper Multi-Step Lite R	90-109 grams	High
F	Apollo Balistik Steel R	90-109 grams	Mid
F	Apollo Spectre Lite S	90-109 grams	Mid
F	FST Pro 115 Stepless Steel X	90-109 grams	Mid
F	FST 125 Steel S	90-109 grams	Mid
F	FST Pro 125 Stepless Steel S	90-109 grams	Mid
F	Project X 95 Flighted Taper Tip 5.5	90-109 grams	Mid
F	Project X PXI Taper Tip 5.0	90-109 grams	Mid
F	Project X PXI Taper Tip 5.5	90-109 grams	Mid
F	True Temper TT Lite XL R	90-109 grams	Mid
F	Aldila NV 105 Iron R	90-109 grams	Low
F	Apollo CWS Steel Tapered R	90-109 grams	Low
F	Apollo Hump Steel Tapered X	90-109 grams	Low
F	KBS C-Tapered Steel R	90-109 grams	Low
F	KBS C-Tapered Steel R+	90-109 grams	Low
F	KBS Tour Tapered Steel S	90-109 grams	Low
F	KBS Tour Steel S	90-109 grams	Low
F	Project X Steel Taper Tip 5.0	90-109 grams	Low
F	SK Fiber Tour Trac 100 S	90-109 grams	Low
F	Apollo Shadow Steel R	110+ grams	High
F	Apollo Standard Stepped S	110+ grams	Mid
F	Apollo Standard Stepless S	110+ grams	Mid
F	Apollo Black Steel S	110+ grams	Mid
F	Apollo Blue Steel PVD S	110+ grams	Mid
F	Apollo Copper Steel S	110+ grams	Mid
F	KBS C-Tapered Steel, Parallel S	110+ grams	Low
F	True Temper Dynamic Gold R300	110+ grams	Low
F	TT Dynamic Gold w/Sensicore R300	110+ grams	Low

Group	Manufacturer / Shaft / Flex	Weight	Trajectory
G	True Temper Dynalite Gold XP S300	90-109 grams	High
G	True Temper Multi-Step Lite S	90-109 grams	High
G	Apollo Balistik Steel S	90-109 grams	Mid
G	FST 125 Steel X	90-109 grams	Mid
G	FST Pro 125 Stepless Steel X	90-109 grams	Mid
G	Project X 95 Flighted Taper Tip 6.0	90-109 grams	Mid
G	Project X 95 Flighted Taper Tip 6.5	90-109 grams	Mid
G	Project X PXI Taper Tip 6.0	90-109 grams	Mid
G	True Temper TT Lite XL S	90-109 grams	Mid
G	Aldila NV 105 Iron S	90-109 grams	Low
G	Project X Steel Taper Tip 5.5	90-109 grams	Low
G	Project X Steel Taper Tip 6.0	90-109 grams	Low
G	SK Fiber Tour Trac 100 X	90-109 grams	Low
G	True Temper Dynamic Gold SL S300	90-109 grams	Low
G	Apollo Shadow Steel S	110+ grams	High
G	Apollo CWS Steel Tapered S	110+ grams	Low
G	KBS C-Tapered Steel S	110+ grams	Low
G	KBS C-Tapered Steel S+	110+ grams	Low
G	KBS C-Tapered Steel, Parallel X	110+ grams	Low
G	KBS Tour Tapered Steel X	110+ grams	Low
G	KBS Tour Steel X	110+ grams	Low
G	True Temper Dynamic Gold S300	110+ grams	Low
G	TT Dynamic Gold w/Sensicore S300	110+ grams	Low
H	Project X PXI Taper Tip 6.5	90-109 grams	Mid
H	True Temper Dynamic Gold SL X100	90-109 grams	Low
H	Apollo CWS Steel Tapered X	110+ grams	Low
H	KBS C-Tapered Steel X	110+ grams	Low
H	Project X Steel Taper Tip 6.5	110+ grams	Low
H	Project X Steel Taper Tip 7.0	110+ grams	Low
H	True Temper Dynamic Gold X100	110+ grams	Low
H	TT Dynamic Gold w/Sensicore X100	110+ grams	Low