

# 2010 HIREKO SHAFT TRIMMING & LENGTH GUIDE

## SHAFT TRIMMING INTRODUCTION

Our trim charts offer a simple way to trim the shafts listed in the Hireko and catalog. First look at the chart on the next two pages of this page manual and determine the trim letter designation. Wood shafts are listed by trim letter designations from A-ZE, iron and putter shafts are listed by trim letter designations from AA-ZZ. Each trim letter designation may be followed by a number designation for a trimming note. These notes allow you to make trimming changes for such factors as bore depths in woods or irons. **If a number designation is not present after a letter designation, then these trim notes do not apply.** Once you have your letter designation and note, proceed to the trimming chart that follows to determine the trimming values for the shaft.

**After tip trimming (if any), trim the butt end to the desired playing length.**

| 2010 HIREKO TIP TRIMMING TABLES FOR WOODS |   |           |           |           |           |           |           |           |            |            |            |
|---|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|
|   | 1<br>Wood   | 2<br>Wood | 3<br>Wood | 4<br>Wood | 5<br>Wood | 6<br>Wood | 7<br>Wood | 9<br>Wood | 11<br>Wood | 13<br>Wood | 15<br>Wood |
|   | 198g  | 203g      | 208g      | 213g      | 218g      | 223g      | 228g      | 233g      | 238g       | 243g       | 248g       |
| <b>A</b>                                  | 0"  | 0.5"      | 1"        | 1.5"      | 2"        | 2.5"      | 3"        | 3.5"      | 4"         | 4.5"       | 5"         |
| <b>B</b>                                  | 1"  | 1.5"      | 2"        | 2.5"      | 3"        | 3.5"      | 4"        | 4.5"      | 5"         | 5.5"       | 6"         |
| <b>C</b>                                  | 2"  | 2.5"      | 3"        | 3.5"      | 4"        | 4.5"      | 5"        | 5.5"      | 6"         | 6.5"       | 7"         |
| <b>D</b>                                  | 1"  | 1.25"     | 1.5"      | 1.75"     | 2"        | 2.25"     | 2.5"      | 2.5"      | 2.5"       | 2.5"       | 2.5"       |
| <b>E</b>                                  | 0"  | 0.5"      | 1"        | 1.5"      | 2"        | 2"        | 2"        | 2"        | 2"         | 2"         | 2"         |
| <b>F</b>                                  | 0"  | 0.25"     | 0.5"      | 0.75"     | 1"        | 1.25"     | 1.5"      | 1.5"      | 1.5"       | 1.5"       | 1.5"       |
| <b>G</b>                                  | 0"  | 0.25"     | 0.5"      | 0.75"     | 1"        | 1"        | 1"        | 1"        | 1"         | 1"         | 1"         |
| <b>H</b>                                  | 2"  | 2.25"     | 2.5"      | 2.75"     | 3"        | 3.25"     | 3.5"      | 3.5"      | 3.5"       | 3.5"       | 3.5"       |
| <b>I</b>                                  | 0"  | 0.25"     | 0.5"      | 0.75"     | 1"        | 1.25"     | 1.5"      | 2"        | 2"         | 2"         | 2"         |
| <b>J</b>                                  | 2"  | 2.25"     | 2.5"      | 2.75"     | 3"        | 3.25"     | 3.5"      | 4"        | 4"         | 4"         | 4"         |
| <b>K</b>                                  | 1"  | 1.5"      | 2"        | 2.5"      | 3"        | 3"        | 3"        | 3"        | 3"         | 3"         | 3"         |
| <b>L</b>                                  | 0"  | 0"        | 0"        | 0.25"     | 0.5"      | 0.75"     | 1"        | 1.5"      | 1.5"       | 1.5"       | 1.5"       |
| <b>M</b>                                  | 0.5"  | 0.75"     | 1"        | 1.25"     | 1.5"      | 1.75"     | 2"        | 2.5"      | 2.5"       | 2.5"       | 2.5"       |
| <b>N</b>                                  | 1"  | 1.25"     | 1.5"      | 1.75"     | 2"        | 2.25"     | 2.5"      | 2.75"     | 3"         | 3.25"      | 3.5"       |
| <b>O</b>                                  | 2"  | 2.25"     | 2.5"      | 2.75"     | 3"        | 3.25"     | 3.5"      | 3.75"     | 4"         | 4.5"       | 5"         |
| <b>P</b>                                  | 5"  | 5.25"     | 5.5"      | 5.75"     | 6"        | 6.25"     | 6.5"      | 7"        | 7"         | 7"         | 7"         |
| <b>Q</b>                                  | 0"  | 0.25"     | 0.5"      | 0.75"     | 1"        | 1.25"     | 1.25"     | 1.5"      | 1.5"       | 1.5"       | 1.5"       |
| <b>R</b>                                  | 0"  | 0"        | 0.25"     | 0.5"      | 0.75"     | 0.875"    | 1"        | 1.25"     | 1.25"      | 1.25"      | 1.25"      |
| <b>S</b>                                  | 8"  | 8.25"     | 8.5"      | 8.75"     | 9"        | 9.25"     | 9.5"      | 10"       | 10"        | 10"        | 10"        |
| <b>T</b>                                  | n/a   | n/a       | 0"        | 0.25"     | 0.5"      | 0.75"     | 1"        | 1"        | 1"         | 1"         | 1"         |
| <b>U</b>                                  | n/a   | n/a       | 1"        | 1.25"     | 1.5"      | 1.75"     | 2"        | 2"        | 2"         | 2"         | 2"         |
| <b>V</b>                                  | 1.5"  | 1.75"     | 2"        | 2.25"     | 2.5"      | 2.75"     | 3"        | 3.5"      | 3.5"       | 3.5"       | 3.5"       |
| <b>W</b>                                  | Do not tip trim, butt trim to the desired playing length. |           |           |           |           |           |           |           |            |            |            |
| <b>X</b>                                  | 0"  | 0"        | 0.25"     | 0.5"      | 0.75"     | 0.75"     | 0.75"     | 0.75"     | 0.75"      | 0.75"      | 0.75"      |
| <b>Y</b>                                  | 2.5"  | 2.5"      | 2.75"     | 3"        | 3.25"     | 3.25"     | 3.25"     | 3.25"     | 3.25"      | 3.25"      | 3.25"      |
| <b>Z</b>                                  | 3"  | 3.5"      | 4"        | 4.5"      | 5"        | 5.5"      | 6"        | 6.5"      | 7"         | 7.5"       | 8"         |
| <b>ZA</b>                                 | 4"  | 4.5"      | 5"        | 5.5"      | 6"        | 6.5"      | 7"        | 7.5"      | 8"         | 8.5"       | 9"         |
| <b>ZB</b>                                 | 0"  | 0"        | 0.25"     | 0.375"    | 0.5"      | 0.75"     | 0.75"     | 0.75"     | 0.75"      | 0.75"      | 0.75"      |
| <b>ZC</b>                                 | 1"  | 1"        | 1.25"     | 1.375"    | 1.5"      | 1.75"     | 1.75"     | 1.75"     | 1.75"      | 1.75"      | 1.75"      |
| <b>ZD</b>                                 | n/a   | 0"        | 0"        | 0.5"      | 1"        | 1.5"      | 2"        | 2"        | 2"         | 2"         | 2"         |
| <b>ZE</b>                                 | 0"  | 0.5"      | 1"        | 1.375"    | 1.75"     | 2"        | 2.25"     | 2.25"     | 2.25"      | 2.25"      | 2.25"      |

| 2010 HIREKO TIP TRIMMING TABLES FOR IRONS, HYBRIDS, WEDGES & PUTTERS |  |        |                  |                    |                    |                    |                  |        |        |        |        |         |
|--|--|--------|------------------|--------------------|--------------------|--------------------|------------------|--------|--------|--------|--------|---------|
|  | Hybrid   | Hybrid | 1 iron           | 2 iron             | 3 iron             | 4 iron             | 5 iron           | 6 iron | 7 iron | 8 iron | 9 iron | Wedges  |
|  | 216g   | 223g   | 229g             | 236g               | 243g               | 250g               | 257g             | 264g   | 271g   | 278g   | 285g   | 291+g   |
| <b>AA</b>  | 0"   | 0"     | 0"               | 0.5"               | 1"                 | 1.5"               | 2"               | 2.5"   | 3"     | 3.5"   | 4"     | 4"      |
| <b>BB</b>  | 0"   | 0.5"   | 1"               | 1.5"               | 2"                 | 2.5"               | 3"               | 3.5"   | 4"     | 4.5"   | 5"     | 5"      |
| <b>CC</b>  | 1"   | 1.5"   | 2"               | 2.5"               | 3"                 | 3.5"               | 4"               | 4.5"   | 5"     | 5.5"   | 6"     | 6"      |
| <b>DD</b>  | 0"   | 0"     | 0"               | 0"                 | 0"                 | 0.25"              | 0.5"             | 0.75"  | 1"     | 1.25"  | 1.5"   | 1.75"   |
| <b>EE</b>  | 1.5"   | 1.75"  | 2"               | 2.25"              | 2.5"               | 2.75"              | 3"               | 3.25"  | 3.5"   | 3.75"  | 4"     | 4"      |
| <b>FF</b>  | 0"   | 0"     | 0"               | 0"                 | 0"                 | 0.5"               | 1"               | 1.5"   | 2"     | 2.5"   | 3"     | 3"      |
| <b>GG</b>  | 0"   | 0"     | 0"               | 0.25"              | 0.5"               | 0.75"              | 1"               | 1.25"  | 1.5"   | 1.75"  | 2"     | 2"      |
| <b>HH</b>  | 0"   | 0"     | 0"               | 0"                 | 0"                 | 0"                 | 0"               | 0"     | 0"     | 0"     | 0.5"   | 1"      |
| <b>II</b>  | 0"   | 0"     | 0"               | 0.5"               | 0.75"              | 1"                 | 1"               | 1"     | 1"     | 1"     | 1"     | 1"      |
| <b>JJ</b>  | 0.5"   | 0.75"  | 1"               | 1.25"              | 1.5"               | 1.75"              | 2"               | 2.25"  | 2.5"   | 2.75"  | 3"     | 3"      |
| <b>KK</b>  | 0"   | 0"     | 0"               | 0"                 | 0"                 | 0.125"             | 0.25"            | 0.375" | 0.5"   | 0.625" | 0.75"  | 1"      |
| <b>LL</b>  | 1"   | 1.25"  | 1.5"             | 1.75"              | 2"                 | 2.25"              | 2.5"             | 2.75"  | 3"     | 3.25"  | 3.5"   | 3.75"   |
| <b>MM</b>  | 4"   | 4.25"  | 4.5"             | 4.75"              | 5"                 | 5.25"              | 5.5"             | 5.75"  | 6"     | 6.25"  | 6.5"   | 6.75"   |
| <b>NN</b>  | 7"   | 7.25"  | 7.5"             | 7.75"              | 8"                 | 8.25"              | 8.5"             | 8.75"  | 9"     | 9.25"  | 9.5"   | 9.75"   |
| <b>OO</b>  | 0"   | 0"     | 0"               | 0"                 | 0.5"               | 1"                 | 1.25"            | 1.5"   | 1.75"  | 2"     | 2"     | 2"      |
| <b>PP</b>  | 0"   | 0.25"  | 0.5"             | 0.75"              | 1"                 | 1.25"              | 1.5"             | 1.75"  | 2"     | 2.25"  | 2.5"   | 2.75"   |
| <b>QQ</b>  | 0"   | 0"     | 0"               | 0"                 | 0"                 | 0.25"              | 0.5"             | 0.75"  | 1"     | 1.25"  | 1.5"   | 1.75"   |
| <b>RR</b>  | 0"   | 0"     | 0"               | 0"                 | 0.5"               | 1"                 | 1.5"             | 2"     | 2.5"   | 3"     | 3.5"   | 3.5"    |
| <b>SS</b>  | Do not tip trim, butt trim to the desired length |        |                  |                    |                    |                    |                  |        |        |        |        |         |
| <b>TT</b>  | 0"   | 0"     | 0.5"             | 1"                 | 1.5"               | 2"                 | 2.5"             | 3"     | 3.5"   | 4"     | 4.5"   | 4.5"    |
| <b>UU</b>  | 0.5"   | 1"     | 1.5"             | 2"                 | 2.5"               | 3"                 | 3.5"             | 4"     | 4.5"   | 5"     | 5.5"   | 5.5"    |
| <b>VV</b>  | 1.5"   | 2"     | 2.5"             | 3"                 | 3.5"               | 4"                 | 4.5"             | 5"     | 5.5"   | 6"     | 6.5"   | 6.5"    |
| <b>WW</b>  |  |        | 15-<br>17°<br>0" | 18-<br>20°<br>0.5" | 21-<br>23°<br>1"   | 24-<br>27°<br>1.5" | 28°+<br>2"       |        |        |        |        |         |
| <b>XX</b>  |  |        | 15-<br>17°<br>0" | 18-<br>20°<br>0"   | 21-<br>23°<br>0.5" | 24-<br>27°<br>1"   | 28°<br>+<br>1.5" |        |        |        |        |         |
| <b>YY</b>  |  |        | 15-<br>16°<br>0" | 17-<br>18°<br>0.5" | 19-<br>20°<br>1"   | 21-<br>23°<br>1.5" | 24-<br>26°<br>2" |        |        |        |        |         |
| <b>ZZ</b>  | 0"   | 0"     | 0"               | 0"                 | 0.5"               | 1"                 | 1.5"             | 2"     | 2.5"   | 3"     | 3.5"   | 4"/4.5" |

## TRIMMING NOTES

1. For M1 metal woods add 1 1/2" tip trimming, for M2 metal woods add 1" tip trimming, for blind bore add 1/2" tip trimming, for through bore do not add to tip trimming. (**Applies only to those shafts which have a Trim Note 1 next to the letter code**)
2. For non-bore through iron heads, trim 1" additionally from the tip. (Applies to True Temper's TT Lite R&S iron shafts only!)
3. For fairway woods, tip trim 1" (Applies to Aldila NV, NVS, DVS, VS Proto and Voodoo woods only!)
4. Do not tip trim more than 3" off the tip (applies to Select New Image woods and junior composite woods only!)

## Bore Designation Identification

If you are working with wood heads made by other manufacturers, it may be necessary to identify the bore designation in order to trim the shaft correctly. The bore designation is identified by the bottom of bore to ground line measurement (BBGM). The easiest way to identify the BBGM to establish the bore designation is to measure the raw length of the shaft you are using. Next, insert the shaft into the hosel and measure the total length of the club from the ground in the playing position. If you subtract the raw length of the shaft from the total length of the club, this will determine the BBGM. If the BBGM is closest to 0.5", this is considered a blind bore (BB) designation. If the BBGM is closest 1", then this is classified as a M2 design. Lastly, if the BBGM is closest to 1.5", this is considered a M1 design. Now you should be able to use the trim notes to correctly trim the shaft.

### OUR MODELS BORE TYPE

| <b>BB</b>         | <b>M2</b>                                | <b>M1</b>                               |
|-------------------|--|---|
| Tour Gear Fairway | Acer Insider Fairway                     | Acer XDS Insider Driver                 |
|                   | Acer XK Fairway                          | Acer XK Driver                          |
|                   | Acer XK Draw Fairway                     | Acer XK Draw Driver                     |
|                   | Acer XP 905 Ladies Fairway               | Acer XP 905 Ladies Driver               |
|                   | Power Play Caiman Raw Power Fairway      | Power Play Caiman Driver                |
|                   | Power Play Caiman Fairway                | Power Play System Q <sup>2</sup> Driver |
|                   | Power Play System Q <sup>2</sup> Fairway | Dynacraft Prophet ICT 2 Driver          |
|                   | Dynacraft Avatar XMOI Fairway            | Dynacraft Prophet ICT 2 Fairway         |
|                   | iBella Bellissima Fairway                | Dynacraft Avatar XMOI Driver            |
|                   | iBella Obsession Fairway                 | iBella Bellissima Driver                |
|                   | Synchron II Fairway                      | iBella Obsession Driver                 |
|                   |  | Tour Gear Driver                        |

**HYBRIDS Special Note:** For tip trimming and length on all hybrids (except those with trim codes WW, XX and YY), use the weight column to determine the proper tip trimming and length rather than the number engraved on the sole. Not all hybrids will weigh the same, thus special attention must be made for this category. Hybrids made by other manufacturers other than Hireko may use different diameter shafts than 0.370", thus use the correct shaft size as well. If the hybrids use chart WW, XX or YY, use the loft to determine the correct trimming. If you have any question regarding the proper tip trimming and length, please call Hireko's Technical line at 1-800-942-5872 or e-mail [technical@hirekogolf.com](mailto:technical@hirekogolf.com).

**MASTER SHAFT TRIMMING CHART**

| <b>MANUFACTURER</b>    | <b>SHAFT</b>       | <b>TYPE</b> | <b>FLEX(S)</b> | <b>TRIM CHART</b> | <b>TRIM NOTES</b> |
|------------------------|--------------------|-------------|----------------|-------------------|-------------------|
| <b>Acer</b>            | Velocity           | Iron        | L, R           | GG                |                   |
|                        | Velocity           | Iron        | A, S           | JJ                |                   |
|                        | Velocity           | Wood        | L, R           | D                 |                   |
|                        | Velocity           | Wood        | A, S           | H                 |                   |
|                        | X-Class            | Iron        | L, R           | GG                |                   |
|                        | X-Class            | Iron        | A, S           | JJ                |                   |
|                        | X-Class            | Wood        | L, R           | D                 |                   |
|                        | X-Class            | Wood        | A, S           | H                 |                   |
| <b>Aldila</b>          | DVS 60             | Wood        | all            | W                 | 3                 |
|                        | DVS 90 Hybrid      | Hybrid      | all            | SS                |                   |
|                        | Habanera           | Wood        | all            | W                 | 3                 |
|                        | NV 55 Pink         | Wood        | L              | W                 | 3                 |
|                        | NV 65 Green        | Wood        | all            | W                 | 3                 |
|                        | NV 75 Green        | Wood        | all            | W                 | 3                 |
|                        | NV 85 Hybrid       | Hybrid      | all            | SS                |                   |
|                        | NV Pro 105         | Iron        | all            | SS                |                   |
|                        | NVS 45 Pink        | Wood        | L              | W                 | 3                 |
|                        | NVS 55 Pink        | Wood        | L              | W                 | 3                 |
|                        | NVS 65 Orange      | Wood        | all            | W                 | 3                 |
|                        | NVS 75 Orange      | Wood        | all            | W                 | 3                 |
|                        | NVS 85 Hybrid      | Hybrid      | all            | SS                |                   |
|                        | NV Voodoo 65       | Wood        | all            | W                 | 3                 |
|                        | NV Voodoo 75       | Wood        | all            | W                 | 3                 |
|                        | Serrano            | Wood        | all            | W                 | 3                 |
|                        | VL or VX           | Iron        | L, R           | RR                |                   |
|                        | VL or VX           | Iron        | A, S           | UU                |                   |
|                        | VL or VX           | Wood        | L, R           | F                 |                   |
|                        | VL or VX           | Wood        | A, S           | H                 |                   |
|                        | VL or VX Hybrid    | Hybrid      | all            | SS                |                   |
|                        | VS Proto 60        | Wood        | all            | W                 | 3                 |
|                        | VS Proto 70        | Wood        | all            | W                 | 3                 |
|                        | VS Proto 80        | Wood        | all            | W                 | 3                 |
|                        | VS Proto Hybrid 80 | Hybrid      | all            | SS                |                   |
|                        | VS Proto Hybrid 95 | Hybrid      | all            | SS                |                   |
|                        | Voodoo 65          | Wood        | all            | W                 | 3                 |
| Voodoo 75              | Wood               | all         | W              | 3                 |                   |
| Voodoo                 | Hybrid             | all         | SS             |                   |                   |
| Wasabi                 | Wood               | all         | W              | 3                 |                   |
| <b>Apollo Graphite</b> | Balistik           | Iron        | L              | DD                |                   |
|                        | Balistik           | Iron        | A              | LL                |                   |
|                        | Balistik           | Iron        | R              | MM                |                   |
|                        | Balistik           | Iron        | S              | NN                |                   |
|                        | Balistik           | Wood        | L              | I                 |                   |
|                        | Balistik           | Wood        | A              | J                 |                   |
|                        | Balistik           | Wood        | R              | P                 |                   |
|                        | Balistik           | Wood        | S              | S                 |                   |
|                        | Masterflex HP44    | Wood        | L              | E                 |                   |
|                        | Masterflex HP48    | Wood        | all            | E                 |                   |
|                        | Masterflex HP55    | Wood        | R              | D                 |                   |
|                        | Masterflex HP55    | Wood        | S              | H                 |                   |
|                        | Masterflex HP65    | Wood        | R              | D                 |                   |

| <b>MANUFACTURER</b>          | <b>SHAFT</b>         | <b>TYPE</b> | <b>FLEX(S)</b> | <b>TRIM CHART</b> | <b>TRIM NOTES</b> |
|------------------------------|----------------------|-------------|----------------|-------------------|-------------------|
| <b>Apollo Graphite cont.</b> | Masterflex HP65      | Wood        | S              | H                 |                   |
|                              | Shadow               | Iron        | L, R           | GG                |                   |
|                              | Shadow               | Iron        | A, S           | JJ                |                   |
|                              | Shadow               | Wood        | L, R           | D                 |                   |
|                              | Shadow               | Wood        | A, S           | H                 |                   |
|                              | Shadow FW            | Iron        | R              | GG                |                   |
|                              | Shadow FW            | Iron        | S              | JJ                |                   |
|                              | Shadow FW            | Wood        | R              | D                 |                   |
|                              | Shadow FW            | Wood        | S              | H                 |                   |
|                              | Shadow Hybrid R&S    | Hybrid      | R              | GG                |                   |
|                              | Shadow Hybrid R&S    | Hybrid      | S              | JJ                |                   |
|                              | Shadow Hybrid R&S    | Wood        | R              | T                 |                   |
|                              | Shadow Hybrid R&S    | Wood        | S              | U                 |                   |
|                              | Shadow Junior        | Iron        | Jr.            | FF                |                   |
|                              | Shadow Junior        | Wood        | Jr.            | A                 | 4                 |
|                              | Shadow UL            | Iron        | L, R           | GG                |                   |
|                              | Shadow UL            | Iron        | A, S           | JJ                |                   |
|                              | Shadow UL            | Wood        | L, R           | D                 |                   |
|                              | Shadow UL            | Wood        | A, S           | H                 |                   |
| <b>Apollo Steel</b>          | Acculite 75          | Iron        | all            | RR                |                   |
|                              | Acculite 85          | Iron        | all            | RR                |                   |
|                              | Acculite 95          | Iron        | R              | RR                |                   |
|                              | Acculite 95          | Iron        | S              | UU                |                   |
|                              | Acculite 95 Gunsmoke | Iron        | R              | RR                |                   |
|                              | Acculite 95 Gunsmoke | Iron        | S              | UU                |                   |
|                              | Balistik             | Iron        | L              | RR                |                   |
|                              | Balistik             | Iron        | A              | TT                |                   |
|                              | Balistik             | Iron        | R              | UU                |                   |
|                              | Balistik             | Iron        | S              | VV                |                   |
|                              | Balistik             | Wood        | L              | A                 |                   |
|                              | Balistik             | Wood        | A              | B                 |                   |
|                              | Balistik             | Wood        | R              | Z                 |                   |
|                              | Balistik             | Wood        | S              | ZA                |                   |
|                              | Hump                 | Iron        | all            | SS                |                   |
|                              | Junior               | Iron        | Jr.            | FF                |                   |
|                              | Junior               | Wood        | Jr.            | A                 |                   |
|                              | Phantom              | Iron        | R              | RR                |                   |
|                              | Phantom              | Iron        | S              | UU                |                   |
|                              | Putter Shafts        | Putter      | all            | SS                |                   |
|                              | Shadow               | Iron        | L, R           | RR                |                   |
|                              | Shadow               | Iron        | A              | TT                |                   |
|                              | Shadow               | Iron        | S              | UU                |                   |
|                              | Shadow               | Wood        | L, R           | A                 |                   |
|                              | Shadow               | Wood        | A              | B                 |                   |
|                              | Shadow               | Wood        | S              | C                 |                   |
|                              | Spectre Lite         | Iron        | L, R           | RR                |                   |
|                              | Spectre Lite         | Iron        | A              | TT                |                   |
|                              | Spectre Lite         | Iron        | S              | UU                |                   |
|                              | Spectre Lite         | Wood        | L, R           | A                 |                   |
|                              | Spectre Lite         | Wood        | A              | B                 |                   |
|                              | Spectre Lite         | Wood        | S              | C                 |                   |
|                              | Standard Stepless    | Iron        | L, R           | FF                |                   |
|                              | Standard Stepless    | Iron        | A, S           | AA                |                   |
|                              | Standard Stepless    | Wood        | L, R           | A                 |                   |

| MANUFACTURER              | SHAFT                                 | TYPE    | FLEX(S) | TRIM CHART | TRIM NOTES |
|---------------------------|---------------------------------------|---------|---------|------------|------------|
| <b>Apollo Steel cont.</b> | Standard Stepless                     | Wood    | A, S    | B          |            |
|                           | Standard Stepped                      | Iron    | L, R    | FF         |            |
|                           | Standard Stepped                      | Iron    | A, S    | AA         |            |
|                           | Standard Stepped                      | Wood    | L, R    | A          |            |
|                           | Standard Stepped                      | Wood    | A, S    | B          |            |
| <b>Dynacraft</b>          | Super Collider                        | Wood    | L       | F          |            |
|                           | Super Collider                        | Wood    | A       | D          |            |
|                           | Super Collider                        | Wood    | R       | D          |            |
|                           | Super Collider                        | Wood    | S       | H          |            |
|                           | Super Collider                        | Iron    | L       | DD         |            |
|                           | Super Collider                        | Iron    | A       | LL         |            |
|                           | Super Collider                        | Iron    | R       | DD         |            |
|                           | Super Collider                        | Iron    | S       | PP         |            |
| <b>Fujikura</b>           | Fit-On E150                           | Wood    | all     | L          |            |
|                           | Fit-On E160                           | Wood    | all     | L          |            |
|                           | Fit-On E160HB                         | Hybrid  | all     | WW         |            |
|                           | Fit-On E160i                          | Iron    | all     | AA         |            |
|                           | Fit-On E250                           | Wood    | all     | L          |            |
|                           | Fit-On E260                           | Wood    | all     | L          |            |
|                           | Fit-On E270                           | Wood    | all     | L          |            |
|                           | Fit-On E270                           | Hybrid  | all     | XX         |            |
|                           | Fit-On E270                           | Iron    | all     | AA         |            |
|                           | Fit-On E350                           | Wood    | all     | L          |            |
|                           | Fit-On E360                           | Wood    | all     | L          |            |
|                           | Fit-On E370                           | Wood    | all     | L          |            |
|                           | Fit-On E380                           | Wood    | all     | L          |            |
|                           | Fit-On E380                           | Hybrid  | all     | XX         |            |
|                           | Fit-On E380                           | Iron    | all     | AA         |            |
|                           | Saishin                               | Wood    | all     | L          |            |
|                           | Sakura                                | Wood    | L       | L          |            |
|                           | Sakura                                | Iron    | L       | AA         |            |
|                           | Sakura Sport                          | Wood    | L       | L          |            |
|                           | Sakura Sport                          | Iron    | L       | AA         |            |
| <b>Grafalloy</b>          | Epic                                  | Driver  | all     | G          | 1          |
|                           | Epic                                  | Fairway | all     | L          |            |
|                           | Epic                                  | Hybrid  | All     | LL         |            |
|                           | Pro Custom                            | Iron    | L, R    | AA         |            |
|                           | Pro Custom                            | Iron    | A, S    | CC         |            |
|                           | Pro Custom                            | Wood    | L, R    | X          | 1          |
|                           | Pro Custom                            | Wood    | A, S    | Y          | 1          |
|                           | ProLaunch                             | Iron    | all     | AA         |            |
|                           | ProLaunch Blue Fairway                | Wood    | all     | L          |            |
|                           | ProLaunch HY                          | Hybrid  | all     | II         |            |
|                           | ProLaunch Blue 45                     | Wood    | all     | W          |            |
|                           | ProLaunch Blue 55                     | Wood    | all     | W          |            |
|                           | ProLaunch Blue 65                     | Wood    | all     | G          | 1          |
|                           | ProLaunch Blue w/ Axis Technology     | Wood    | all     | G          |            |
|                           | ProLaunch Platinum w/ Axis Technology | Wood    | all     | G          | 1          |
|                           | ProLaunch Red                         | Wood    | all     | G          |            |
|                           | ProLaunch Red Fairway                 | Fairway | all     | L          |            |
|                           | ProLaunch Red                         | Hybrid  | all     | II         |            |
|                           | ProLaunch Red                         | Iron    | all     | AA         |            |

| MANUFACTURER           | SHAFT                            | TYPE               | FLEX(S) | TRIM CHART | TRIM NOTES |  |
|------------------------|----------------------------------|--------------------|---------|------------|------------|--|
| <b>Grafalloy cont.</b> | ProLaunch Red w/ Axis Technology | Wood               | all     | G          |            |  |
|                        | ProLite 35                       | Wood               | all     | W          |            |  |
|                        | ProLite 35 High Launch           | Wood               | all     | G          |            |  |
| <b>iBella</b>          | Bellissima                       | Wood               | L       | E          |            |  |
|                        | Bellissima                       | Iron               | L       | GG         |            |  |
|                        | Obsession                        | Wood               | L       | D          |            |  |
|                        | Obsession                        | Iron               | L       | GG         |            |  |
| <b>New Image</b>       | Berry Image Graphite             | Iron               | L       | QQ         |            |  |
|                        | Berry Image Graphite             | Wood               | L       | F          |            |  |
|                        | Emerald Image Graphite           | Wood               | all     | D          |            |  |
|                        | Emerald Image Graphite           | Iron               | all     | QQ         |            |  |
|                        | Fire Image Graphite              | Wood               | S       | A          | 4          |  |
|                        | Gold Image Graphite              | Wood               | all     | A          | 4          |  |
|                        | Lipstick Red Image Graphite      | Iron               | L       | QQ         |            |  |
|                        | Lipstick Red Image Graphite      | Wood               | L       | F          |            |  |
|                        | Purple Image Graphite            | Iron               | L       | QQ         |            |  |
|                        | Purple Image Graphite            | Wood               | L       | F          |            |  |
|                        | Red Image Graphite               | Wood               | all     | A          | 4          |  |
|                        | Silver Image Graphite            | Wood               | all     | D          |            |  |
|                        | Silver Image Graphite            | Iron               | all     | QQ         |            |  |
|                        | <b>Powerflex</b>                 | FW 114             | Iron    | L, R       | GG         |  |
|                        |                                  | FW 114             | Iron    | A, S       | JJ         |  |
| FW 114                 |                                  | Wood               | L, R    | D          |            |  |
| FW 114                 |                                  | Wood               | A, S    | H          |            |  |
| FW 501                 |                                  | Iron               | R       | GG         |            |  |
| FW 501                 |                                  | Iron               | S       | JJ         |            |  |
| FW 501                 |                                  | Wood               | R       | D          |            |  |
| FW 501                 |                                  | Wood               | S       | H          |            |  |
| <b>Power Play</b>      |                                  | Adrenaline         | Wood    | L          | F          |  |
|                        | Adrenaline                       | Wood               | A       | D          |            |  |
|                        | Adrenaline                       | Wood               | R       | D          |            |  |
|                        | Adrenaline                       | Wood               | S       | H          |            |  |
|                        | Adrenaline                       | Iron               | L       | DD         |            |  |
|                        | Adrenaline                       | Iron               | A       | LL         |            |  |
|                        | Adrenaline                       | Iron               | R       | DD         |            |  |
|                        | Adrenaline                       | Iron               | S       | PP         |            |  |
|                        | Select 5000                      | Iron               | R       | GG         |            |  |
|                        | Select 5000                      | Iron               | S       | JJ         |            |  |
|                        | System Q                         | Iron               | L, R    | GG         |            |  |
|                        | System Q                         | Iron               | A, S    | JJ         |            |  |
|                        | System Q                         | Wood               | L, R    | D          |            |  |
|                        | System Q                         | Wood               | A, S    | H          |            |  |
|                        | <b>Project X</b>                 | Project X Graphite | Wood    | all        | G          |  |
| Project X Graphite     |                                  | Hybrid             | all     | II         |            |  |
| Project X              |                                  | Iron               | all     | SS         |            |  |
| Project X Flighted     |                                  | Iron               | all     | SS         |            |  |
| Rifle                  |                                  | Iron               | all     | SS         |            |  |
| Rifle Flighted         |                                  | Iron               | all     | SS         |            |  |
| Rifle Spinner          |                                  | Wedge              | all     | SS         |            |  |
| <b>SK Fiber</b>        | Corsair 75                       | Wood               | all     | ZE         |            |  |
|                        | Helium                           | Wood               | all     | E          |            |  |
|                        | Pure Energy                      | Wood               | all     | Q          |            |  |

| <b>MANUFACTURER</b>   | <b>SHAFT</b>                          | <b>TYPE</b> | <b>FLEX(S)</b> | <b>TRIM CHART</b> | <b>TRIM NOTES</b> |
|-----------------------|---------------------------------------|-------------|----------------|-------------------|-------------------|
| <b>SK Fiber cont.</b> | Rocket 85                             | Wood        | all            | ZE                |                   |
|                       | Tour Trac 80                          | Wood        | all            | R                 |                   |
|                       | Tour Trac 80                          | Iron        | all            | KK                |                   |
|                       | Tour Trac 100                         | Iron        | all            | ZZ                |                   |
|                       | Wedge Force                           | Wedge       | all            | SS                |                   |
|                       | V.I.P.                                | Wood        | LL             | E                 |                   |
|                       | V.I.P.                                | Iron        | LL             | HH                |                   |
| <b>Tour Gear</b>      | Renaissance                           | Iron        | L, R           | GG                |                   |
|                       | Renaissance                           | Iron        | A, S           | JJ                |                   |
|                       | Renaissance                           | Wood        | L, R           | D                 |                   |
|                       | Renaissance                           | Wood        | A, S           | H                 |                   |
| <b>Tour Series</b>    | Tour Series Commercial Grade Graphite | Iron        | all            | GG                |                   |
|                       | Tour Series Commercial Grade Graphite | Wood        | all            | D                 |                   |
|                       | Tour Series Junior                    | Iron        | Jr.            | FF                |                   |
|                       | Tour Series Junior                    | Wood        | Jr.            | A                 | 4                 |
| <b>True Ace</b>       | Blue Crush                            | Wood        | R              | ZB                |                   |
|                       | Blue Crush                            | Wood        | S              | ZC                |                   |
|                       | Cadence Blue 60                       | Wood        | L or R         | F                 |                   |
|                       | Cadence Blue 60                       | Wood        | A or S         | D                 |                   |
|                       | Cadence Blue                          | Iron        | L or R         | GG                |                   |
|                       | Cadence Blue                          | Iron        | A or S         | JJ                |                   |
|                       | Cadence Orange 65                     | Wood        | R              | ZB                |                   |
|                       | Cadence Orange 65                     | Wood        | S              | ZC                |                   |
|                       | Cadence Orange 70                     | Fairway     | R              | M                 |                   |
|                       | Cadence Orange 70                     | Fairway     | S              | V                 |                   |
|                       | Cadence Orange 75                     | Hybrid      | R              | GG                |                   |
|                       | Cadence Orange 75                     | Hybrid      | S              | JJ                |                   |
|                       | Cadence Orange 75                     | Iron        | R              | DD                |                   |
|                       | Cadence Orange 75                     | Iron        | S              | PP                |                   |
|                       | Cadence Red 65                        | Wood        | R              | ZB                |                   |
|                       | Cadence Red 65                        | Wood        | S              | ZC                |                   |
|                       | Cadence Red 80                        | Fairway     | R              | L                 |                   |
|                       | Cadence Red 80                        | Fairway     | S              | M                 |                   |
|                       | Cadence Red 80                        | Hybrid      | R              | GG                |                   |
|                       | Cadence Red 80                        | Hybrid      | S              | JJ                |                   |
|                       | Cadence Red 85                        | Iron        | R              | DD                |                   |
|                       | Cadence Red 85                        | Iron        | S              | PP                |                   |
|                       | Death Stick                           | Wood        | R              | G                 |                   |
|                       | Death Stick                           | Wood        | S              | G                 |                   |
|                       | Green Ghost                           | Wood        | R              | ZB                |                   |
|                       | Green Ghost                           | Wood        | S              | ZC                |                   |
|                       | Orange Ion                            | Wood        | R              | ZB                |                   |
|                       | Orange Ion                            | Wood        | S              | ZC                |                   |
|                       | Pink Diamond                          | Iron        | L              | GG                |                   |
|                       | Pink Diamond                          | Iron        | A              | JJ                |                   |
|                       | Pink Diamond                          | Wood        | L              | D                 |                   |
|                       | Pink Diamond                          | Wood        | A              | H                 |                   |
|                       | Red Storm .370"                       | Hybrid      | R              | GG                |                   |
|                       | Red Storm .370"                       | Hybrid      | S              | JJ                |                   |
| <b>True Temper</b>    | Dynalite A&L                          | Iron        | L              | AA                |                   |
|                       | Dynalite A&L                          | Iron        | A              | BB                |                   |
|                       | Dynalite R&S                          | Iron        | R              | AA                |                   |

| <b>MANUFACTURER</b>      | <b>SHAFT</b>              | <b>TYPE</b> | <b>FLEX(S)</b> | <b>TRIM CHART</b> | <b>TRIM NOTES</b> |
|--------------------------|---------------------------|-------------|----------------|-------------------|-------------------|
| <b>True Temper cont.</b> | Dynalite R&S              | Iron        | S              | CC                |                   |
|                          | Dynamic Gold              | Wood        | all            | A                 | 1                 |
|                          | Dynamic Gold              | Iron        | all            | AA                |                   |
|                          | Dynamic Gold High Launch  | Iron        | all            | AA                |                   |
|                          | Dynamic Gold SL           | Iron        | all            | AA                |                   |
|                          | Dynamic Gold w/ SensiCore | Iron        | all            | AA                |                   |
|                          | Dynamic Gold w/ SensiCore | Wood        | all            | A                 | 1                 |
|                          | Dynamic R&S               | Iron        | R              | AA                |                   |
|                          | Dynamic R&S               | Iron        | S              | CC                |                   |
|                          | GS-75                     | Iron        | all            | FF                |                   |
|                          | GS-95                     | Iron        | all            | SS                |                   |
|                          | Multi-Step Lite           | Iron        | L              | AA                |                   |
|                          | Multi-Step Lite           | Iron        | A              | BB                |                   |
|                          | Multi-Step Lite           | Iron        | R              | AA                |                   |
|                          | Multi-Step Lite           | Iron        | S              | CC                |                   |
|                          | TT Lite A&L               | Wood        | L              | A                 | 1                 |
|                          | TT Lite A&L               | Wood        | A              | B                 | 1                 |
|                          | TT Lite A&L               | Iron        | L              | AA                |                   |
|                          | TT Lite A&L               | Iron        | A              | BB                |                   |
|                          | TT Lite XL R&S            | Wood        | R              | A                 | 1                 |
|                          | TT Lite XL R&S            | Wood        | S              | C                 | 1                 |
|                          | TT Lite XL R&S            | Iron        | R              | AA                | 2                 |
|                          | TT Lite XL R&S            | Iron        | S              | CC                | 2                 |
| <b>UST Mamiya</b>        | 65 Gold                   | Wood        | all            | E                 |                   |
|                          | AXIVCore Blue 59          | Wood        | all            | E                 |                   |
|                          | AXIVCore Blue 69          | Wood        | all            | E                 |                   |
|                          | AXIVCore Blue 80 Hybrid   | Hybrid      | all            | YY                |                   |
|                          | AXIVCore Tour Black 69    | Wood        | all            | E                 |                   |
|                          | AXIVCore Tour Black 79    | Wood        | all            | E                 |                   |
|                          | AXIVCore Tour Green 60    | Wood        | all            | E                 |                   |
|                          | AXIVCore Tour Green 70    | Wood        | all            | E                 |                   |
|                          | Competition Series        | Iron        | L, R           | AA                |                   |
|                          | Competition Series        | Iron        | A, S           | BB                |                   |
|                          | Competition Series        | Wood        | L, R           | E                 |                   |
|                          | Competition Series        | Wood        | A, S           | KK                |                   |
|                          | iRoD Iron                 | Iron        | all            | FF                |                   |
|                          | iRoD Hybrid Utility       | Iron        | all            | YY                |                   |
|                          | Proforce Rv2 75           | Iron        | all            | AA                |                   |
|                          | Proforce Rv2 95           | Iron        | all            | AA                |                   |
|                          | Proforce V2 65            | Wood        | all            | E                 |                   |
|                          | Proforce V2 75            | Wood        | all            | E                 |                   |
|                          | Proforce V2 Hybrid .335"  | Hybrid      | all            | ZD                |                   |
|                          | Proforce V2 Hybrid .370"  | Hybrid      | all            | YY                |                   |
|                          | Proforce V2 Tour Flight   | Wood        | all            | E                 |                   |

| <b>STANDARD LENGTH WOOD CHART</b> |        |                |             |                 |              |
|-----------------------------------|--------|----------------|-------------|-----------------|--------------|
| Number                            | Weight | Men's Graphite | Men's Steel | Ladies Graphite | Ladies Steel |
| Driver                            | 198g   | 45"            | 44"         | 44"             | 43"          |
| 2-wood                            | 203g   | 43.5"          | 43"         | 42.5"           | 42"          |
| 3-wood                            | 208g   | 43"            | 42.5"       | 42"             | 41.5"        |
| 4-wood                            | 213g   | 42.5"          | 42"         | 41.5"           | 41"          |
| 5-wood                            | 218g   | 42"            | 41.5"       | 41"             | 40.5"        |
| 6-wood                            | 223g   | 41.5"          | 41"         | 40.5"           | 40"          |
| 7-wood                            | 228g   | 41"            | 40.5"       | 40"             | 39.5"        |
| 9-wood                            | 233g   | 40.5"          | 40"         | 39.5"           | 39"          |
| 11-wood                           | 238g   | 40"            | 39.5"       | 39"             | 38.5"        |
| 13-wood                           | 243g   | 39.5"          | 39"         | 38.5"           | 38"          |
| 15-wood                           | 248g   | 39"            | 38.5"       | 38"             | 37.5"        |

| <b>HYBRID, IRON &amp; WEDGE CHART</b> |        |                |             |                 |              |
|---------------------------------------|--------|----------------|-------------|-----------------|--------------|
| Number                                | Weight | Men's Graphite | Men's Steel | Ladies Graphite | Ladies Steel |
| Hybrid                                | 216g   | 41.5"          | 41"         | 40.5"           | 40"          |
| Hybrid                                | 223g   | 41"            | 40.5"       | 40"             | 39.5"        |
| 1-iron                                | 229g   | 40.5"          | 40"         | 39.5"           | 39"          |
| 2-iron                                | 236g   | 40"            | 39.5"       | 39"             | 38.5"        |
| 3-iron                                | 243g   | 39.5"          | 39"         | 38.5"           | 38"          |
| 4-iron                                | 250g   | 39"            | 38.5"       | 38"             | 37.5"        |
| 5-iron                                | 257g   | 38.5"          | 38"         | 37.5"           | 37"          |
| 6-iron                                | 264g   | 38"            | 37.5"       | 37"             | 36.5"        |
| 7-iron                                | 271g   | 37.5"          | 37"         | 36.5"           | 36"          |
| 8-iron                                | 278g   | 37"            | 36.5"       | 36"             | 35.5"        |
| 9-iron                                | 285g   | 36.5"          | 36"         | 35.5"           | 35"          |
| Wedges                                | 291+g  | 36"            | 35.5"       | 35"             | 34.5"        |
| Putter                                | var.   | 34"            | 34"         | 33"             | 33"          |

| <b>Acer XK Protégé and iBella Daisy Junior Recommended Length Chart</b> |        |        |          |        |        |        |
|---|--------|--------|----------|--------|--------|--------|
| Height  | inches | Driver | 5-Hybrid | 7-iron | 9-iron | Putter |
| 3'-0"   | 36"    | 26"    | 23"      | 22.5"  | 21.5"  | 19.5"  |
| 3'-2"   | 38"    | 27"    | 24"      | 23.5"  | 22.5"  | 20.5"  |
| 3'-4"   | 40"    | 28"    | 25"      | 24.5"  | 23.5"  | 21.5"  |
| 3'-6"   | 42"    | 29"    | 26"      | 25.5"  | 24.5"  | 22.5"  |
| 3'-8"   | 44"    | 30"    | 27"      | 26.5"  | 25.5"  | 23.5"  |
| 3'-10"  | 46"    | 31"    | 28"      | 27.5"  | 26.5"  | 24.5"  |
| 4'-0"   | 48"    | 32"    | 29"      | 28.5"  | 27.5"  | 25.5"  |
| 4'-2"   | 50"    | 33"    | 30"      | 29.5"  | 28.5"  | 26.5"  |
| 4'-4"   | 52"    | 34"    | 31"      | 30.5"  | 29.5"  | 27.5"  |
| 4'-6"   | 54"    | 35"    | 32"      | 31.5"  | 30.5"  | 28.5"  |
| 4'-8"   | 56"    | 36"    | 33"      | 32.5"  | 31.5"  | 29.5"  |
| 4'-10"  | 58"    | 37"    | 34"      | 33.5"  | 32.5"  | 30.5"  |
| 5'-0"   | 60"    | 38"    | 35"      | 34"    | 33"    | 31.5"  |