

A WORD ABOUT PIANOTEK HAMMERS

Since 1980, Pianotek has offered only the finest in hammer selection and custom boring. Our goal is to provide the technician with the highest quality hammers and custom services with a minimum of additional work *during* and *after* installation. There are three ways of ordering: 1. Unbored. 2. Custom bored per samples. 3. Custom bored per specifications. Please refer to the information below for details and include which custom services you require.

NOTE: *By following the instructions below, most hammers can be ordered in a straight forward manner. If however, you are uncertain about hammer selection, have an unusual brand, or have any concerns or questions whatsoever about the ordering process, please do not hesitate to call us. Our goal at Pianotek is to make sure you and your customers are satisfied.*

1. ORDERING UNBORED HAMMERS

GRAND HAMMERS

1. Select type of hammers by part number. *See example, shown right.*
2. Abel style 93/93 and all Ronsen are uncut and uncovered. *Custom cut and coving available. Specify overall length of cut for treble and bass.*
3. Indicate number of bass hammers.

UPRIGHT HAMMERS

1. Select type of hammer by part number.
2. Indicate number of bass hammers.

EXAMPLE: GRAND HAMMERS Photo not to scale



GA-S5 83/75

All hammers will indicate width and length measurements in millimeters and are shown actual size.

2. ORDERING CUSTOM BORED HAMMERS WITH SAMPLES

GRAND AND UPRIGHT HAMMERS

1. Send first and last hammer of each section. Most grands and uprights have 4 sections. Normally, bass and tenor sections have angles, while treble and high treble sections have no angle, so either 6 or 8 samples will be sufficient. If treble angles do not terminate at the section end, visually check where the angle ends and send us that sample.
2. Number all samples by note numbers #1-#88. *All samples returned.*
3. **Please, do not remove grand hammerheads from shanks. Upright samples: Send entire butt, shank, and head assembly.**
4. Be sure to include #88 sample. If #88 is not available, include the highest treble hammer available.
5. Indicate style of new hammers by name or part number, and which custom services (*see descriptions below*) you need.
6. If you are using new shanks from a supplier other than Pianotek Supply Co., we will need the shank diameter.
7. *If you are uncertain about hammer selection, custom services, or have any questions, please call us for technical advice.*

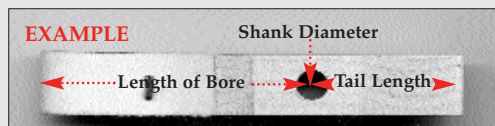
3. ORDERING WITH SPECIFICATIONS

(Ordering without samples)

Please indicate the following information:

1. Number of bass hammers.
2. Angle of bass hammers.
3. Angle of first tenor hammer.
4. Note number of first straight hammer.
5. Length of bore for tenor / treble hammers.
6. Tail length of tenor / treble hammers.
7. Length of bore for bass hammers.
8. Tail length of bass hammers.
9. Shank diameter.

NOTE: *Inform us of anything unusual and which custom services you require. Measure length of bore to the nearest 1/16" or in millimeters, angles in degrees, and shank diameter in thousandths. Please use micrometer to measure shank diameter.*



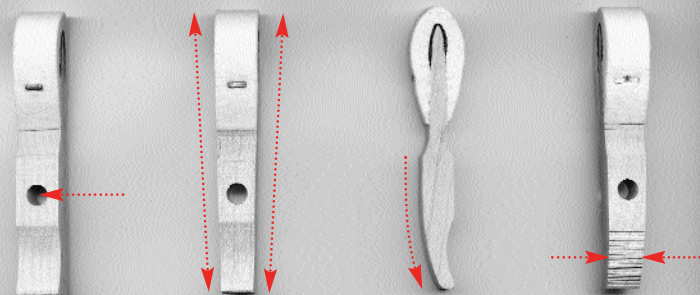
CUSTOM SERVICES

#S1 Hammers bored only. (*Specify cut and/or coving for Abel style 93/93 and Ronsen. All others factory cut and coved.*)

#S2 Hammers bored and tapered along sides for clearance.

#S3 Squaring means tails have correct arc and squaring (made parallel) to backchecks. Also known as "shaping".

#S4 Roughing: Tails lightly roughed with checkering file for positive checking. *See photos below.*



#S1 Bore only

#S2 Bore & Taper

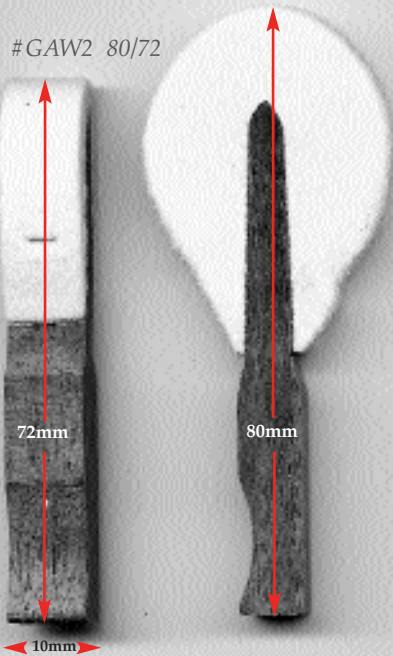
#S3 Squared

#S4 Roughed

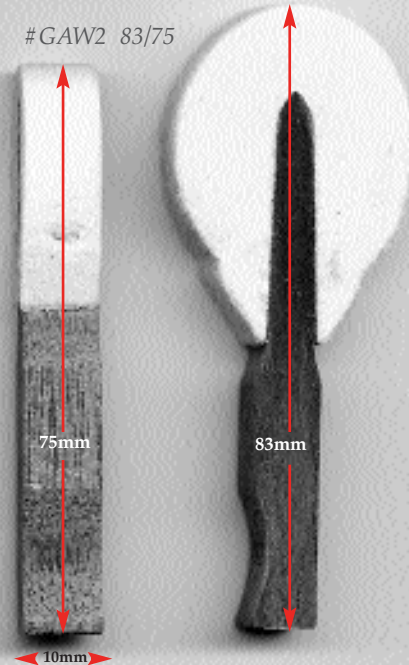
GRAND HAMMERS

ABEL "LITE" SERIES

Our best-selling Abel Lite hammer, manufactured by Helmut Abel GmbH, Germany, is the perfect choice for older, small grands. Weight, size, and tone production match most smaller grands. Most technicians report little or no work after installation and very satisfied customers. **SPECIFICATIONS:** 13-lb., factory pre-filed, coved, stapled to #88, no underfelt, and walnut mouldings. Widths are 10mm. Available bored or unbored. See page A-1 for ordering and custom boring instructions.

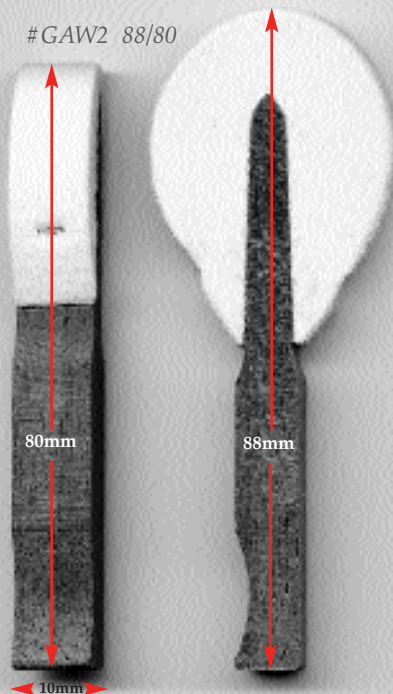


ABEL "SHORT" BORE
"Short bore" Abel Lite fits Knabe, Chickering, Aeolian and many other early American brands. Walnut moulding. Shown left, exact size.
#GAW2 80/72

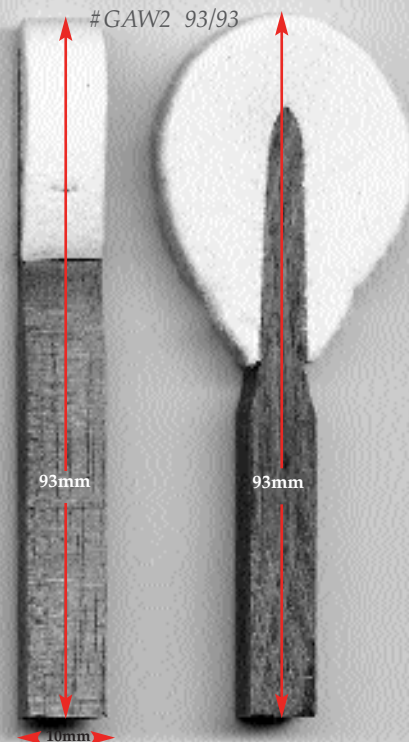


ABEL "MEDIUM" BORE
"Medium bore" Abel Lite fits Mason & Hamlin, Baldwin, Yamaha, Kawai, and most similar bores. Walnut moulding. Shown right, exact size.
#GAW2 83/75

All hammers shown exact size. Available bored or unbored. See page A-1 for ordering and custom boring instructions.



ABEL "LONG" BORE
"Long bore" Abel Lite fits longer treble bores up to 2 $\frac{1}{2}$ " with 1" tail. Walnut moulding. Shown left, exact size.
#GAW2 88/80



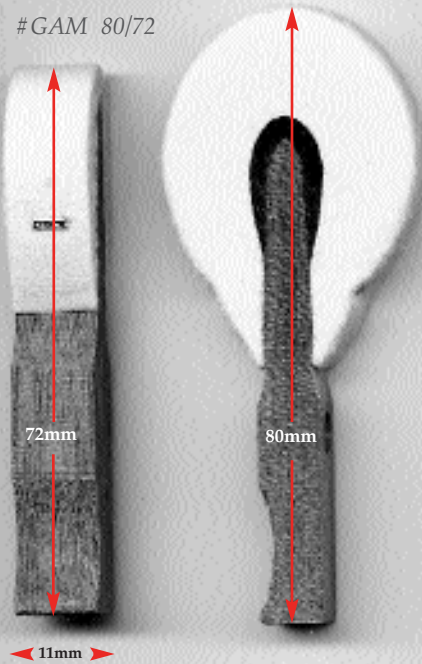
ABEL "EXTRA LONG"
Uncut and uncovered 93mm Abel Lite allows for virtually any bore length. Great for McPhail, Sohmer, and other extreme bore lengths. Perfect for the technician who prefers doing their own boring and custom tail work. Shown right, exact size.
#GAW2 93/93

GRAND HAMMERS

ABEL "STANDARD" SERIES

Proven performance and superior tone production. Abel Standard hammers, manufactured by Helmut Abel, GmbH, Germany, are the technicians choice for high quality pianos. Our best selling replacement hammer for large grands including Steinway, Mason & Hamlin, Baldwin, Yamaha, Kawai, and others. **SPECIFICATIONS:** 15 lb, factory pre-filed, coved, stapled to #88, purple underfelt, no chemical hardeners or additives, and available in mahogany or hornbeam mouldings. Available unbored or, custom bored to your samples or specifications. See page A-1 for ordering and custom boring instructions.

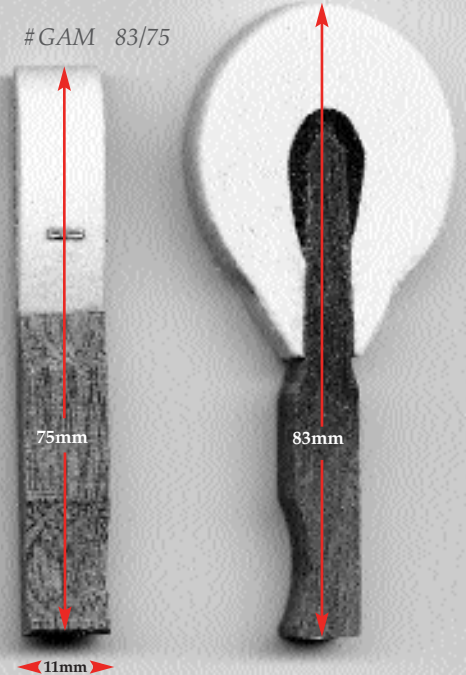
#GAM 80/72



ABEL "SHORT" BORE

The perfect choice for Steinway and other "short bores". Allows up to 1 $\frac{1}{2}$ " treble bore length with 1" tail. Mahogany moulding. *Shown left, actual size.*
#GAM 80/72

#GAM 83/75

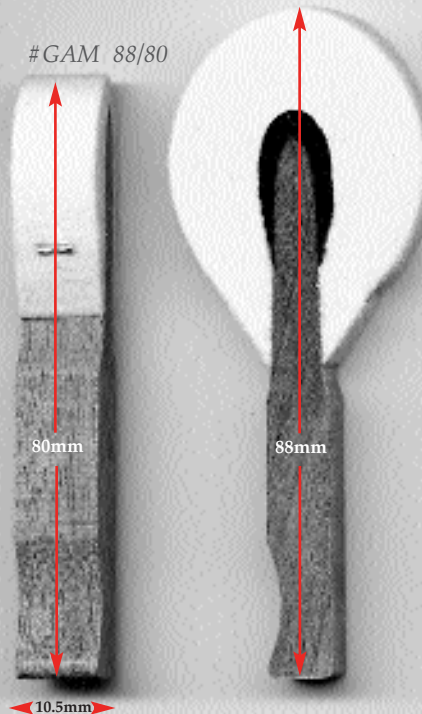


ABEL "MEDIUM" BORE

Fits Mason & Hamlin, Baldwin, Yamaha, Kawai, and most others with "regular" bore lengths. Allows up to 2" treble bore with 1" tail. Mahogany moulding. *Shown right, actual size.*
#GAM 83/75

All hammers shown exact size. Available bored or unbored. See page A-1 for ordering and custom boring instructions.

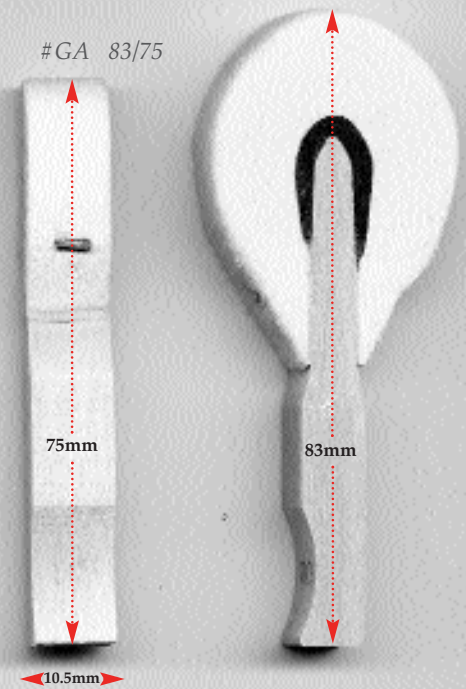
#GAM 88/80



ABEL "LONG" BORE

Fits grands with longer bore lengths. Up to 2 $\frac{1}{2}$ " treble bore with 1" tail. Mahogany moulding. *Shown left, actual size.*
#GAM 88/80

#GA 83/75



ABEL "EXTRA LONG" BORE

Uncut and uncovered 93 mm length allows for virtually any bore length. Perfect for the technician who prefers doing their own boring and tail work. Mahogany moulding. *Not pictured.*
#GAM 93/93

ABEL HORNBEAM/REGULAR

Same as #GAM 83/75, except hornbeam moulding. *Shown right, actual size.*
#GA 83/75

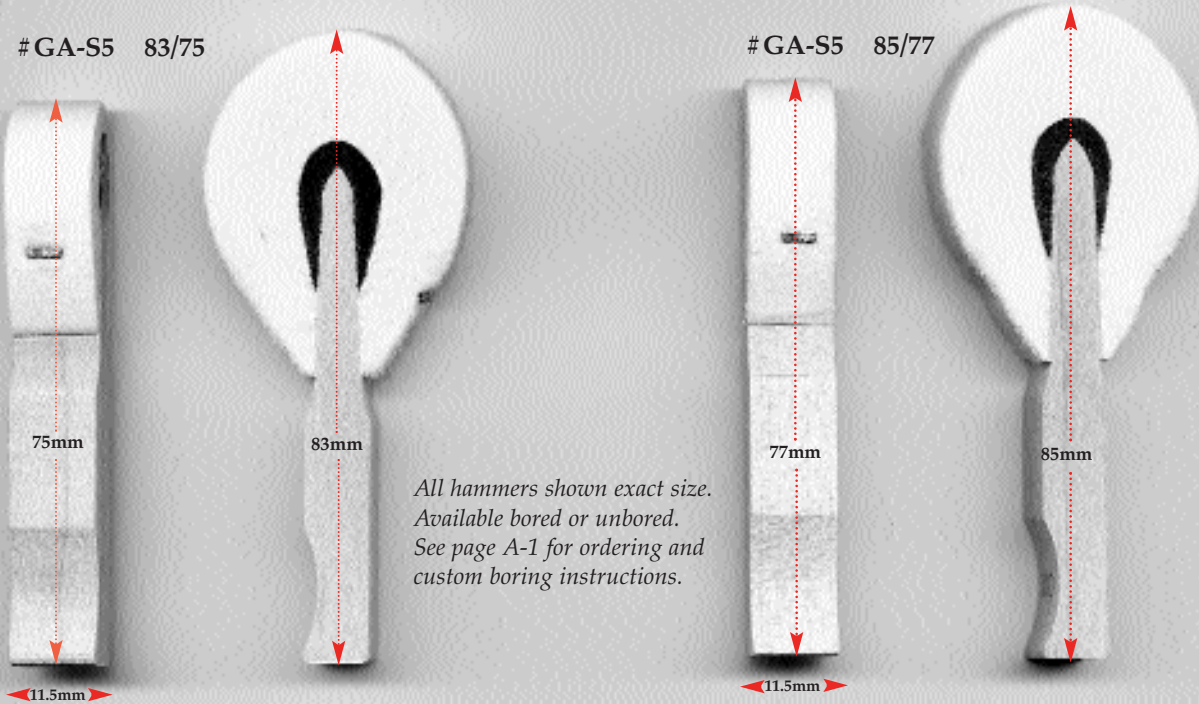
ABEL HORNBEAM/LONG

Same as #GAM 88/80, except hornbeam moulding. *Not pictured.*
#GA 88/80

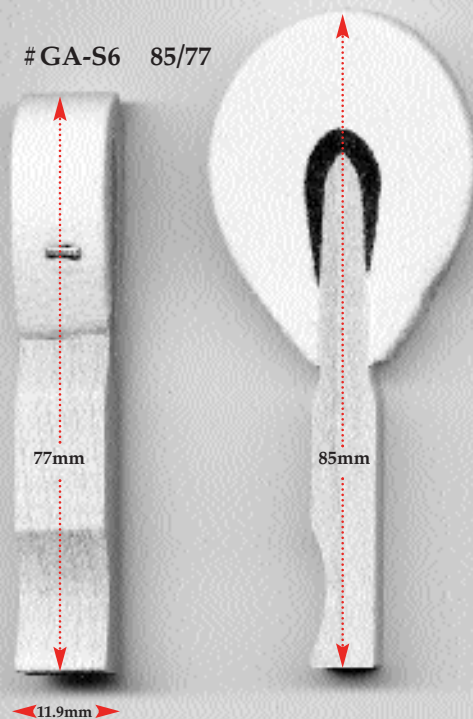
GRAND HAMMERS

ABEL "SELECT" SERIES

High performance hammers for the discriminating technician. Designed exclusively for Pianotek by Helmut Abel, GmbH, Germany, Abel Selects boast the ultimate in tone and power. Special manufacturing process provides tone qualities in character with the much sought after classic American tone found in older Steinway and Mason & Hamlin larger grands. *Technicians report very little voicing required, drastic improvement to overall tone production, and extremely satisfied customers.*



All hammers shown exact size.
Available bored or unbored.
See page A-1 for ordering and
custom boring instructions.



SPECIFICATIONS: ABEL SELECT

1. Rich, powerful, resilient, classic American tone quality.
1. Designed for large grands as a performance hammer for the concert stage, studio, and home environments.
2. Quarter-sawn maple mouldings from André Bolduc allows for pin-point boring accuracy.
3. Wider widths available for concert grand scales.
4. Purple underfelt.
5. Hammers stapled through #88.
6. No chemical hardeners or additives.

NOTE: Due to felt widths and density, Abel selects may be heavier than original hammers. If matching original hammer weight without modifying original action geometry, please refer to the sample average weights listed below and compare samples before ordering.

7. Average weight of sample unbored hammers:

#GA-S5	#GA-S6
#1 11.7 grams	#1 13.0 grams
#21 11.5 grams	#21 12.7 grams
#40 9.8 grams	#40 10.6 grams
#70 7.8 grams	#70 8.2 grams

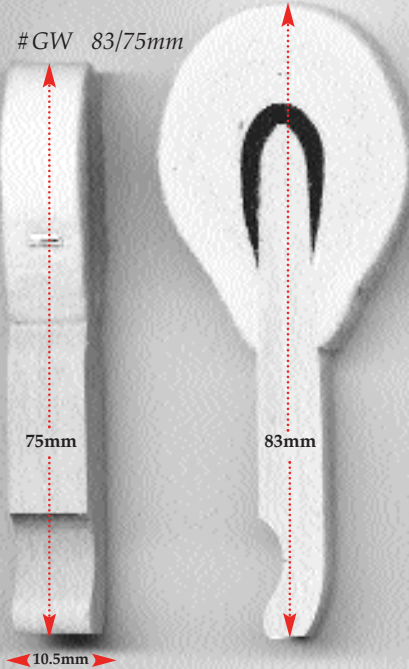
NOTE: Weights listed above are a based on sample hammer averages. Actual weights may vary slightly ($\pm .2$ to $.5$ grams) from set to set.

GRAND HAMMERS

IMADEGAWA GRAND HAMMERS

Manufactured by Imadegawa & Co., LTD, Japan, Imadegawa grand hammers offers solid performance and economy. Pianotek Supply Company first introduced Imadegawa with Nippon felt in 1981. For over 20 years, technicians have relied on their quality and dependability. **SPECIFICATIONS:** 15-lb. medium hardness felt, factory pre-filed, stapled up to #88, red underfelt, tails factory pre-shaped, available in hornbeam or lighter weight mahogany. Widths available in 10.5mm or 10.2mm. Available unbored or custom bored to your samples. See page A-1 for ordering and custom boring instructions.

#GW 83/75mm



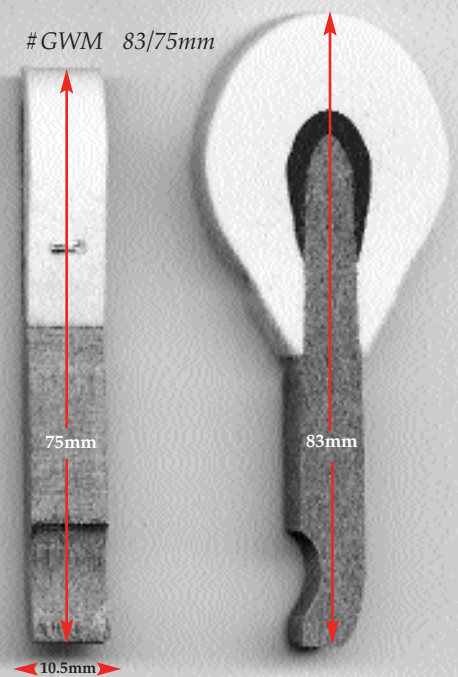
IMADEGAWA "MEDIUM" BORE HAMMERS

Imadegawa "medium" bore fits most brands such as Mason & Hamlin, Baldwin, Yamaha, Kawai, Chickering, Aeolians, Steinway, and most others. Will fit treble bore up to 2" with 1" tail. Available in either hornbeam or lighter weight mahogany moulding. *Hornbeam shown left, mahogany shown right, actual size.*

#GW 83/75 (Hornbeam)

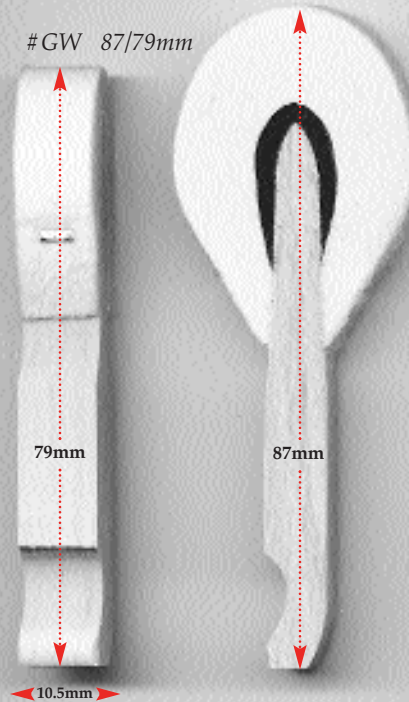
#GWM 83/75 (Mahogany)

#GWM 83/75mm



All hammers shown exact size. Available bored or unbored. See page A-1 for ordering and custom boring instructions.

#GW 87/79mm



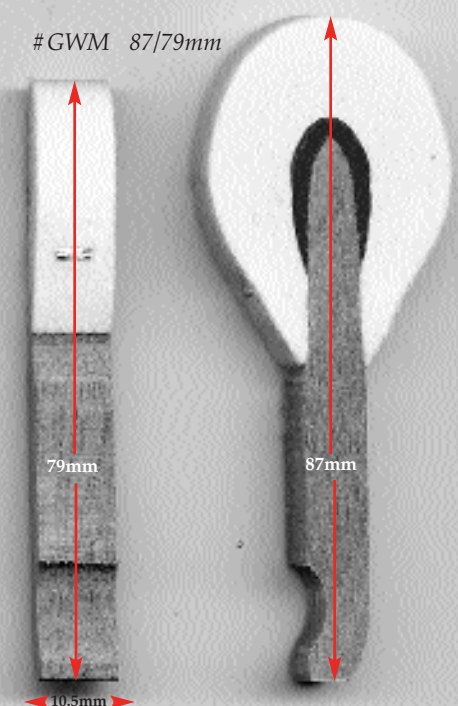
IMADEGAWA "LONG" BORE HAMMERS

Imadegawa "long" bore hammers will accommodate treble bore lengths up to 2 1/2" with 1" tail. Also great for medium bore hammers with long tails. Available in hornbeam or lighter weight mahogany. *Hornbeam shown left, mahogany shown right, actual size.*

#GW 87/79 (Hornbeam)

#GWM 87/79 (Mahogany)

#GWM 87/79mm

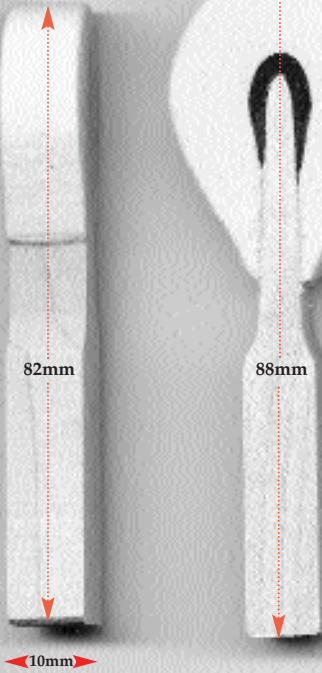


GRAND HAMMERS

RONSEN GRAND HAMMERS

Traditional style hammers from Ronsen Piano Hammer Co., New York. Low heat pressing produces tone qualities similar to American hammers produced in the 1920's and 1930's. **SPECIFICATIONS:** 14-lb. or 16-lb. soft (mellow) hardness, purple underfelt, stapled from #1 to mid #60's, available in maple or lighter sapele (mahogany) moulding. Ronsen hammers may require "voicing up" to achieve proper tone. Available unbored or custom bored to samples. Shown below, actual size. See page A-1 for ordering and custom boring instructions.

#GR-14 Maple

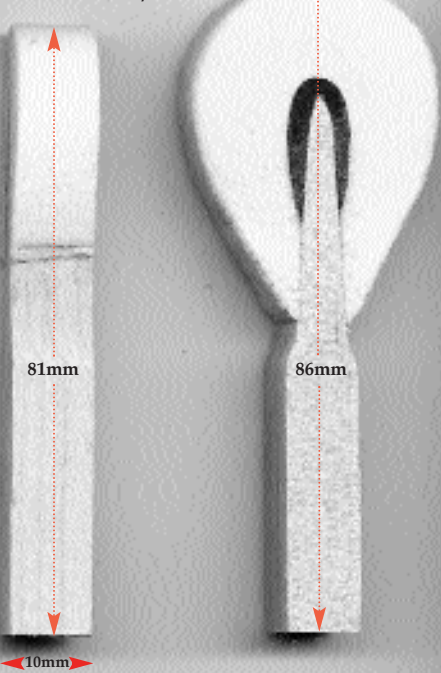


RONSEN MAPLE MOULDING

Ronsen hammers are factory uncut and uncoved. Cutting and coving available. See page A-1 for custom services. Overall lengths may vary slightly from photos shown. Maple mouldings shown both left and right, actual size.

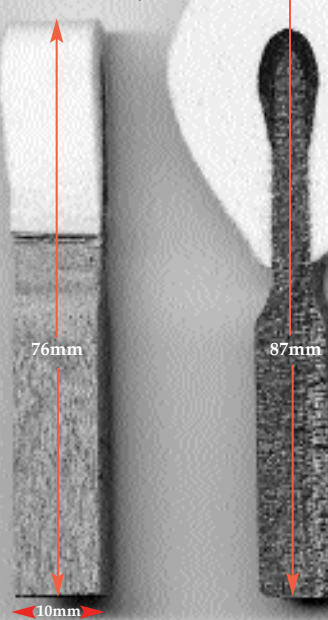
GR-14 Shown left.
GR-16 Shown right.

#GR-16 Maple



All hammers shown exact size.
Available bored or unbored.
See page A-1 for ordering and
custom boring instructions.

#GR-14S Sapele

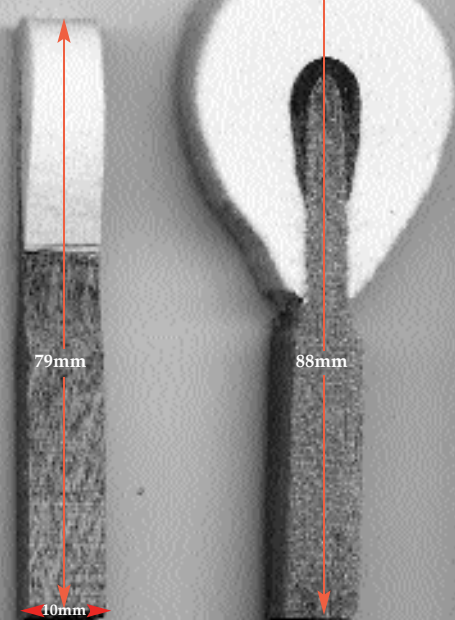


RONSEN SAPELE MOULDING

Ronsen hammers are factory uncut and uncoved. Cutting and coving available. See page A-1 for custom services. Overall lengths may vary slightly from photos shown. Sapele mouldings shown both left and right, actual size.

GR-14S Shown left.
GR-16S Shown right.

#GR-16S Sapele



HAMMER BORING DRILLS

"SHORT THROW" CUSTOM HAMMER BORING DRILL BITS

Professional High Speed Spiral drill bits for hammer boring. Since longer bits tend to flex and waiver, Pianotek's custom short length allows for pin-point accuracy, and eliminates the need for pre-centering or brad points. The sizes below represent the most common sizes for both grand and upright new and original shanks. In most cases, boring .003" over the shank size will eliminate the need for reaming or shank reduction. *Drill bits shown below actual size. Lengths vary from 2¼" to 2½". Available in 10 piece kit or individually.*

3/16"



#HBD-1875 3/16" (.1875") For original shanks on older spinets and some consoles.

#12



#HBD-189 #12 (.189") For new 3/16" shanks, older spinets and some consoles.

13/64"



#HBD-203 13/64" (.203") For original Steinway, Aeolian, and many others.

#5



#HBD-205 #5 (.205") For original Steinway, Aeolian, and many others.

#3



#HBD-213 #3 (.213") Perfect "in-between" size for both grands and uprights.

5.5mm



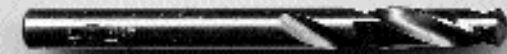
#HBD-2165 5.5mm (.2165") Perfect for original 7/32" upright and grand shanks that have been compressed.

7/32"



#HBD-2188 7/32" (.2188") For most new and original upright shanks. Snug fit for new grand shanks.

5.6mm



#HBD-220 5.6mm (.220") Perfect for new Tokiwa and Renner grand shanks, plus many original brands.

#2



#HBD-221 #2 (.221") Perfect for new Tokiwa and Renner grand shanks, original Baldwin, and others.

5.7mm



#HBD-224 5.7mm (.224") For larger shanks. Fits some Kawai, Yamaha, Baldwin, and others. Also provides a very loose fit for new Tokiwa and Renner.

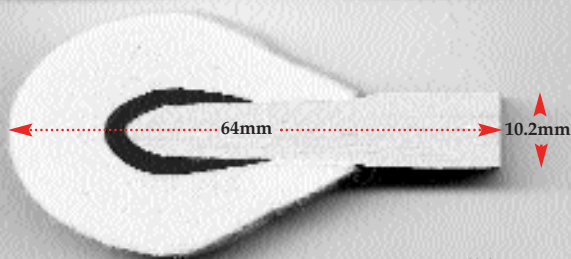
#HBD-10PK 10 piece kit includes all above sizes.

UPRIGHT HAMMERS

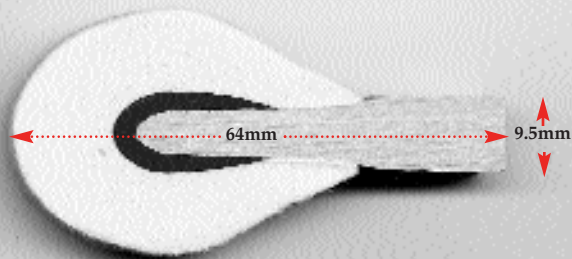
IMADEGAWA UPRIGHT HAMMERS

Performance and economy. Manufactured by Imadegawa & Co., LTD, Japan, these hammers have been the preferred choice for piano technicians nationwide. Pianotek Supply Company first introduced Imadegawa hammers with Nippon felt in 1981 and 20 years later, technicians continue to rely on their quality and dependability. **SPECIFICATIONS:** 15-lb. medium hardness, red underfelt, stapled to #88, factory pre-filed, no chemical hardeners or additives, and available in hornbeam or mahogany mouldings. Pictured below, exact size. Available unbored, factory pre-bored (see chart below), or custom bored to your samples. See page A-1 for ordering and custom boring instructions.

#UW Standard Hornbeam moulding.



#UWT "Thin" Hornbeam moulding.



All hammers shown exact size.
See page A-1 for ordering and
custom boring instructions.

#UWM Standard Mahogany moulding.



IMADEGAWA FACTORY-BORE UPRIGHT HAMMERS

The following hammers represent the most commonly found factory bored upright hammers. All hammers below are pre-bored using Imadegawa #UW 10.2/9.5 (pictured above). Please include part numbers when ordering.

PART#	TREBLE BORE	BASS BORE	RAKE ANGLE	TREBLE ANGLE	BASS ANGLE
#UW/PB1	2-1/2"	2-3/16"	3°	#29=10° #58=0°	18°
#UW/PB2	2-1/2"	2-3/16"	3°	Straight (0°)	18°
#UW/PB3	2-1/2"	2-3/16"	3°	#29=16° #58=0°	18°
#UW/PB4	2-1/2"	2-3/16"	0°	#29=10° #58=0°	18°
#UW/PB5	2-7/16"	2-1/8"	3°	#29=10° #59=0°	18°
#UW/PB6	2-3/8"	2-1/16"	3°	#29=10° #58=0°	18°
#UW/PB7	2-7/16"	2-1/8"	0°	#29=10° #58=0°	18°
#UW/PB8	2-7/16"	2-1/8"	3°	Straight (0°)	18°
#UW/PB9	2-9/16"	2-1/4"	3°	#29=10° #58=0°	18°

TIPS ON ORDERING UPRIGHT HAMMERS

Upright hammers can be ordered unbored, custom bored to your samples, or factory pre-bored. If ordering custom bored hammers, please refer to page A-1 for instructions. For factory pre-bored hammers, the chart at the right represents the most common upright specifications for both new and older "name brand" uprights. Factory pre-bore hammers allow you the convenience of stocking up for jobs without any down time while sending samples for custom boring.

Custom boring available. See page A-1.

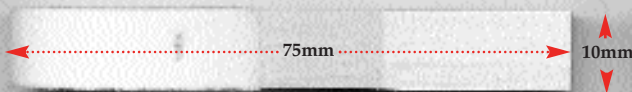
UPRIGHT HAMMERS

ABEL UPRIGHT HAMMERS

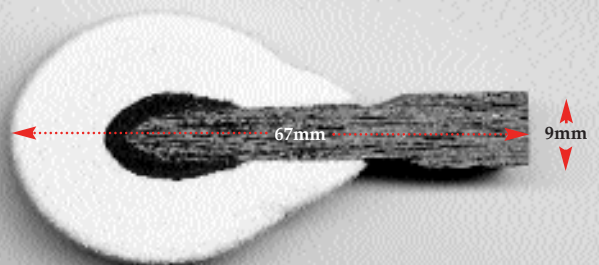
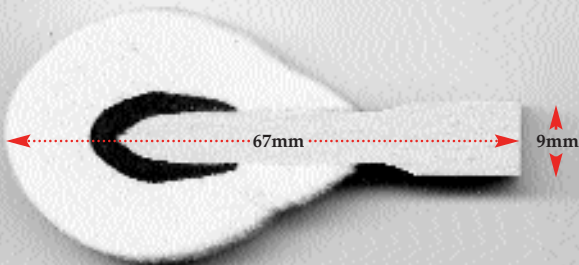
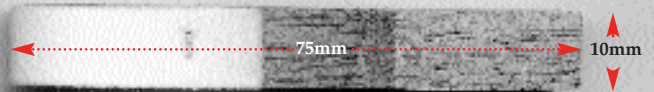
Like Abel grand hammers, Abel uprights are found on some of the world's finest upright pianos, such as Bechstein, Blüthner, Bösendorfer, and others. Manufactured by Helmut Abel, GmbH, Germany, Abel uprights boast clear, large, round tone. These hammers are virtually "finished" and most technicians report very little or no work after installation.

SPECIFICATIONS: 15-lb. medium hardness, factory pre-filed, stapled up to #88, hornbeam or mahogany mouldings, factory pre-filed and contain no chemical hardeners. Pictured below, exact size. Available unbored or custom bored to your samples or specifications. See page A-1 for ordering and custom boring instructions.

#UA Abel Upright w/Hornbeam moulding
"Short" version (63/72mm) also available.



#UAM Abel Upright w/Mahogany moulding



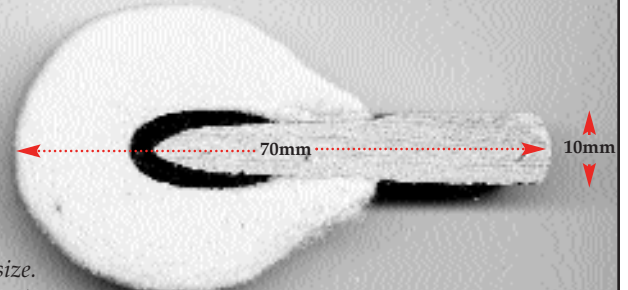
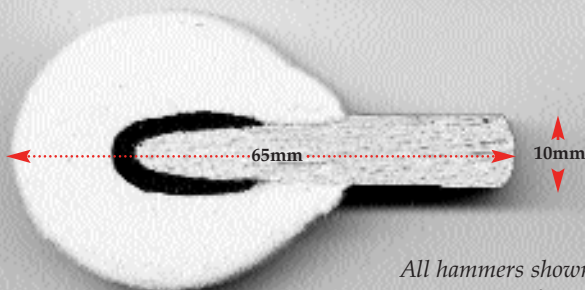
RONSEN UPRIGHT HAMMERS

Traditional "cold-pressed" upright hammers from Ronsen Piano Hammer Co., New York. Low heat pressing produces tone qualities similar to American hammers produced in the 1920's and 1930's. **SPECIFICATIONS:** Medium 14-lb. or 16-lb. for larger uprights, maple mouldings, stapled from #1 to mid #60's, and contain no chemical hardeners. Ronsen hammers may require "voicing up" to achieve desired tone. Pictured below, exact size. Available bored or unbored. See page A-1 for ordering and custom boring instructions.

#UR-14 Ronsen Upright w/Maple moulding



#UR-16 Ronsen Upright w/Maple moulding



All hammers shown exact size.
See page A-1 for ordering and
custom boring instructions.

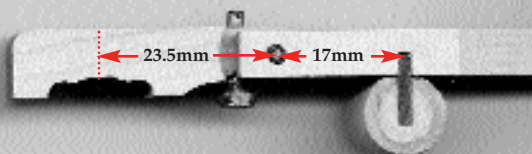
SHANKS & FLANGES

ABEL ENCORE^{nb} SHANKS & FLANGES

Manufactured by Helmut Abel, GmbH, Germany, Abel Encore^{nb} shanks and flanges are designed and manufactured to the same exacting standards found in Abel hammers. All parts feature precision machining, accurate pinning, and attention to original part dimensions. Choose from 13 styles including 5 different Steinway styles for all custom modifications.

NOTE: All measurements shown below are in millimeters. Top photo measurements are from center of knuckle core to the flange center pin, and center of flange pin to flange hole center. Bottom photo measurement is from center of knuckle core to center of flange hole. Shank width is 12mm, length is 5½" or 14cm from center pin to tip. All sets have 90 tapered (channeled) shanks except #ASF-5, 6, 7, & 13. Knuckle widths and diameters vary — see part descriptions for actual dimensions. All parts shown actual size, so new parts can be measured or determined simply by placing originals on top of the catalog photos for exact alignment.

HELMUT ABEL GmbH



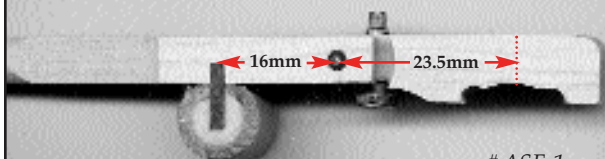
#ASF-3



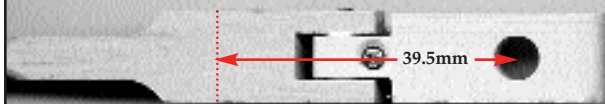
ABEL STEINWAY STYLE 3 17mm

Modified Steinway. Knuckle width 11.5mm, diameter 11mm. All shanks tapered. Shown above, exact size.

#ASF-3



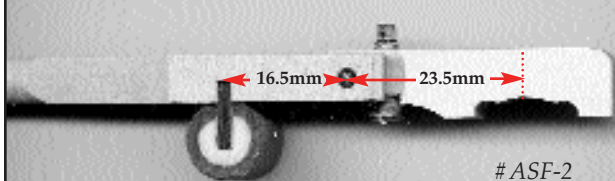
#ASF-1



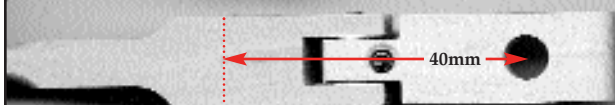
ABEL STEINWAY STYLE 1 16mm

Original dimension New York Steinway. Knuckle width 11.5mm, diameter 10mm. All shanks tapered. Shown above, exact size.

#ASF-1



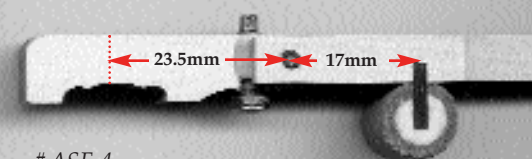
#ASF-2



ABEL STEINWAY STYLE 2 16.5mm

Modified New York Steinway. Knuckle width 11.5mm, diameter 10mm. All shanks tapered. Shown above, exact size.

#ASF-2



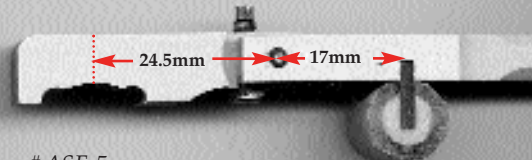
#ASF-4



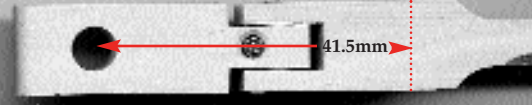
ABEL STEINWAY STYLE 4 17mm

Modified Steinway. Knuckle width 11.5mm, diameter 10mm. All shanks tapered. Shown above, exact size.

#ASF-4



#ASF-5

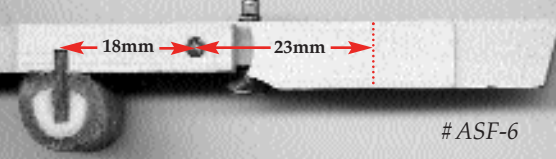
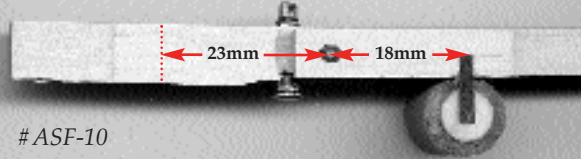
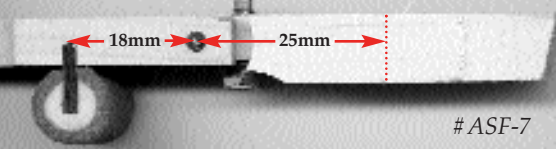
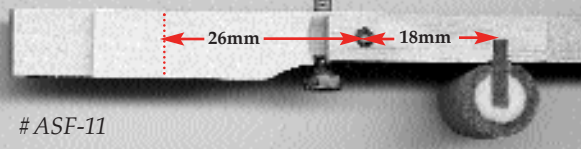
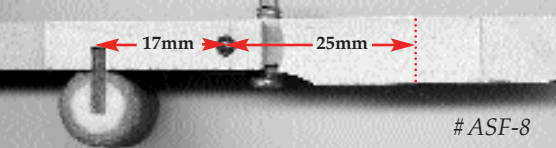
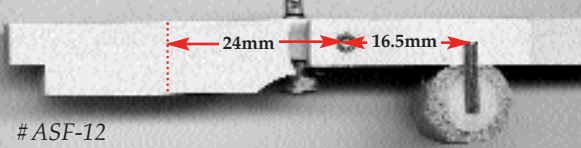
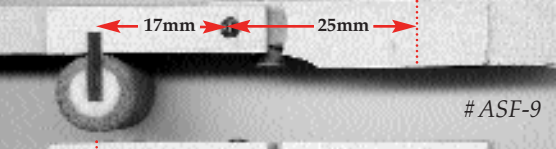
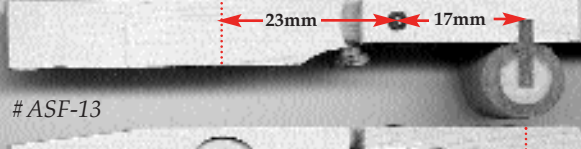


ABEL HAMBURG STEINWAY STYLE

German Hamburg Steinway. Knuckle width 11.5mm, diameter 10mm. Top 30 shanks tapered. Shown above, exact size.

#ASF-5

SHANKS & FLANGES

 <p># ASF-6</p>	 <p># ASF-10</p>
<p>BALDWIN OLD BORE Knuckle width 11mm, diameter 10mm. Top 30 shanks tapered. <i>Shown above, exact size.</i> # ASF-6</p>	<p>KNABE, CHICKERING, etc. Knuckle width 11mm, diameter 10mm. All shanks tapered. <i>Shown above, exact size.</i> # ASF-10</p>
 <p># ASF-7</p>	 <p># ASF-11</p>
<p>BALDWIN NEW BORE Knuckle width 11mm, diameter 10mm. Top 30 shanks tapered. <i>Shown above, exact size.</i> # ASF-7</p>	<p>AEOLIAN & OTHER STYLES Knuckle width 11mm, diameter 9mm. All shanks tapered. <i>Shown above, exact size.</i> # ASF-11</p>
 <p># ASF-8</p>	 <p># ASF-12</p>
<p>PRATT-WIN STYLE Knuckle width 11mm, diameter 9mm. All shanks tapered. <i>Shown above, exact size.</i> # ASF-8</p>	<p>KNABE STYLE Knuckle width 10.5mm, diameter 10mm. All shanks tapered. <i>Shown above, exact size.</i> # ASF-12</p>
 <p># ASF-9</p>	 <p># ASF-13</p>
<p>MASON & HAMLIN/WNG STYLE Knuckle width 11mm, diameter 10mm. # ASF-9 All shanks tapered. <i>Shown above exact size.</i></p>	<p>GERMAN (RENNER) STYLE Knuckle width 11mm, diameter 10mm. # ASF-13 Top 30 tapered. <i>Shown above, exact size.</i></p>

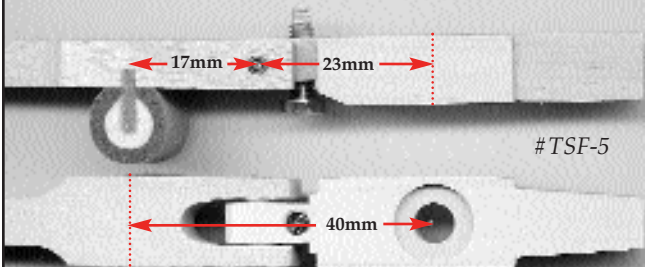
SHANKS & FLANGES

TOKIWA SHANKS & FLANGES

Precision shanks & flanges from Tokiwa Manufacturing, LTD. All parts machined and pinned with accuracy and attention to detail. Choose from 14 different styles.



NOTE: All measurements shown below are in millimeters. Top photo measurements are from center of knuckle core to the flange center pin, and center of flange pin to flange hole center. Bottom photo measurement is from center of knuckle core to center of flange hole. Shank width is 12mm on all parts except #TSF-7N, and shank length is 5½" or 14cm from center pin to tip. All parts shown actual size, so new parts can be measured or determined simply by placing originals on top of the catalog photos for exact alignment.

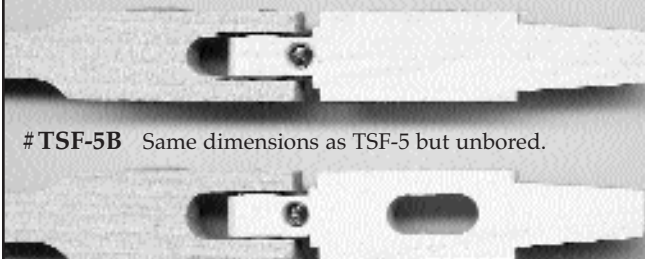


#TSF-5

RENNER STYLE

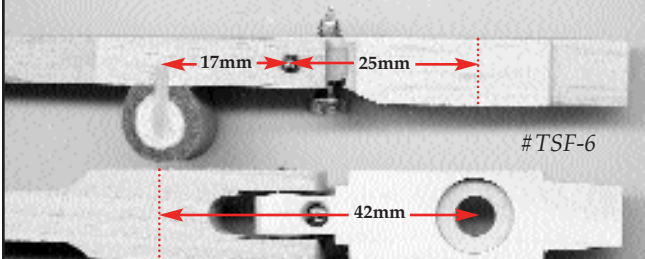
Fits most German & European actions, Wurlitzer, and some Baldwin models. *Shown above, exact size.*

#TSF-5



#TSF-5B Same dimensions as TSF-5 but unboored.

#TSF-8 Adjustable — Same dimensions as TSF-5.

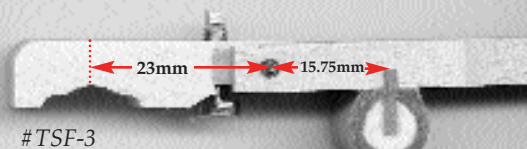


#TSF-6

REGULAR STYLE

For Wessel, Nickel, & Gross, pre-1973 Mason & Hamlin, and many others. *Shown above, exact size.*

#TSF-6

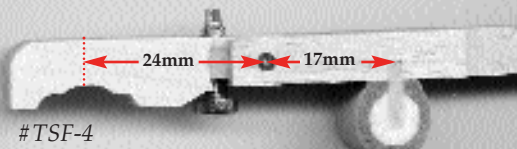


#TSF-3

NEW YORK STEINWAY STYLE

Fits all American Steinway models. *Shown above, exact size.*

#TSF-3

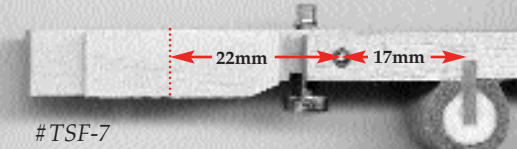


#TSF-4

HAMBURG STEINWAY STYLE

Fits all German Steinway and modified American models. *Shown above, exact size.*

#TSF-4

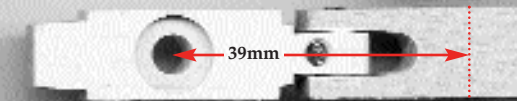


#TSF-7

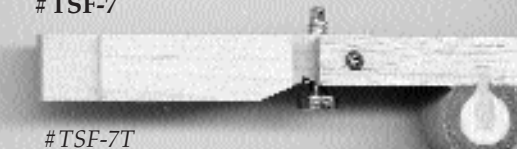
AEOLIAN STYLE

Chickering, Knabe, etc. *Shown above, exact size.*

#TSF-7



#TSF-7



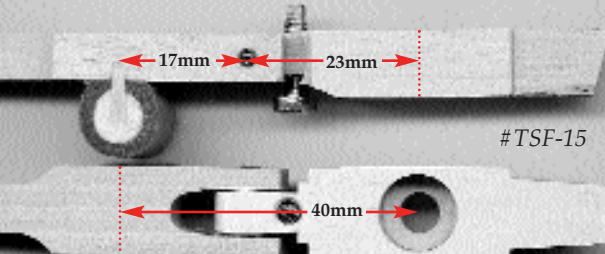
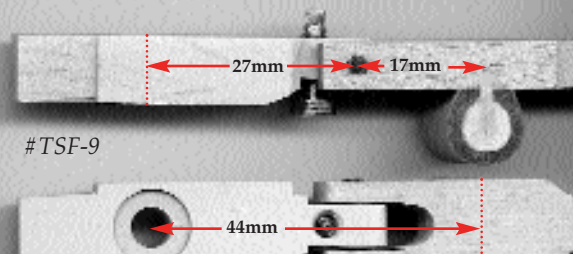
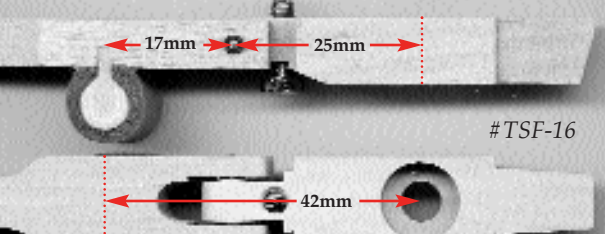
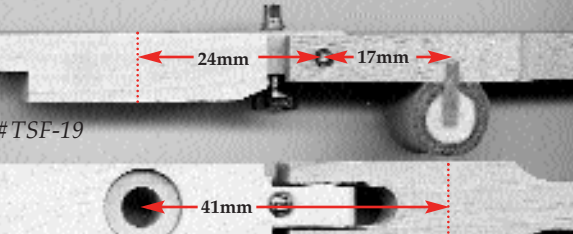
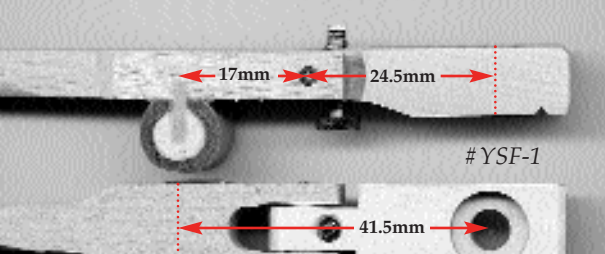
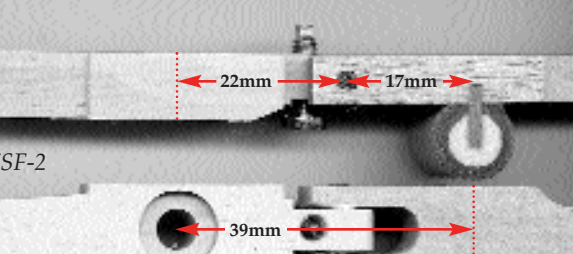
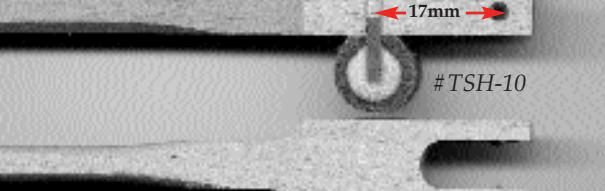
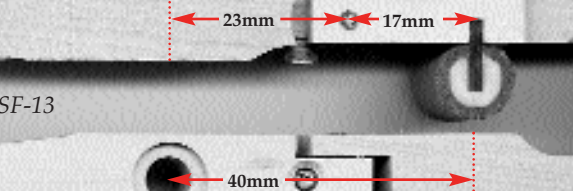
#TSF-7T

AEOLIAN STYLE NARROW

Same as #TSF-7 except has 11mm width. *Shown above, exact size.*

#TSF-7T

SHANKS & FLANGES

 <p>#TSF-15</p>	 <p>#TSF-9</p>
<p>BALDWIN "OLD" BORE Fits all 23mm Baldwin models. <i>Shown above, exact size.</i> #TSF-15</p>	<p>"LONG" AEOLIAN STYLE Fits Aeolian, Mason & Hamlin and many others. <i>Shown above, exact size.</i> #TSF-9</p>
 <p>#TSF-16</p>	 <p>#TSF-19</p>
<p>BALDWIN "NEW" BORE Fits all 25mm Baldwin models. <i>Shown above, exact size.</i> #TSF-16</p>	<p>KNABE STYLE Notched back end for Knabes with rail. <i>Shown above, exact size.</i> #TSF-19</p>
 <p>#YSF-1</p>	 <p>#YSF-2</p>
<p>YAMAHA "NEW" STYLE Fits Yamaha, Young Chang, and many other Asian imports. <i>Shown above, exact size.</i> #YSF-1</p>	<p>YAMAHA "OLD" STYLE Long Yamaha flange. <i>Shown above, exact size.</i> #YSF-2</p>
 <p>#TSH-10</p>	 <p>#ASF-13</p>
<p>SHANK ONLY Overall length from center pin: 5½" or 14cm. <i>Shown above, exact size.</i> #TSH-10</p>	<p>ABEL GERMAN STYLE Flange cut out for pin rail. <i>Shown above, exact size.</i> #ASF-13 See page A-10/11 for more Abel shanks.</p>

GRAND WIPPENS

TOKIWA WIPPENS

Tokiwa wippens are manufactured with the same quality design and attention to detail found in all Tokiwa parts. Most "name brand" styles come fully assembled and ready to install. Also available are modified custom Steinway and Mason & Hamlin wippens (aka: "Miracle Wip"), and several "Universal" wippen kits for virtually any configuration.



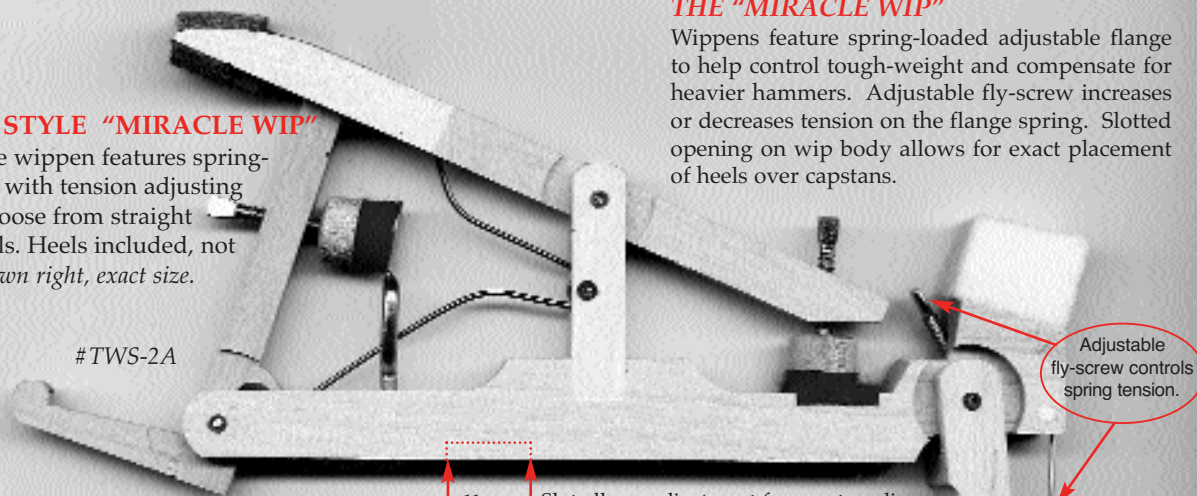
THE "MIRACLE WIP"

Wippens feature spring-loaded adjustable flange to help control tough-weight and compensate for heavier hammers. Adjustable fly-screw increases or decreases tension on the flange spring. Slotted opening on wip body allows for exact placement of heels over capstans.

STEINWAY STYLE "MIRACLE WIP"

Steinway style wippen features spring-loaded flange with tension adjusting fly-screw. Choose from straight or angled heels. Heels included, not installed. Shown right, exact size.

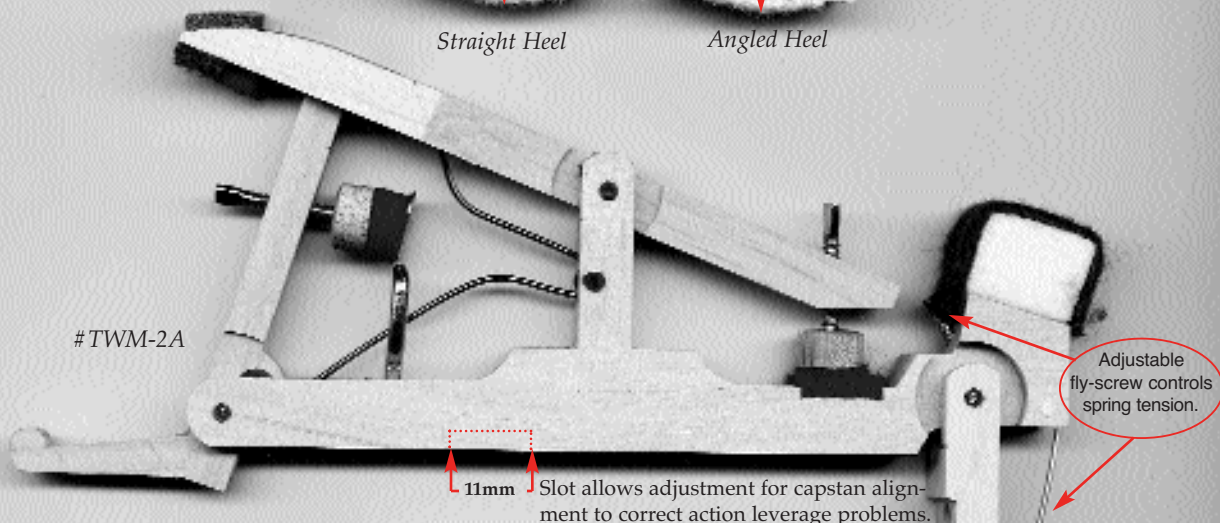
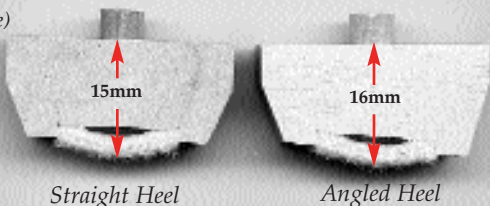
#TWS-2A



STEINWAY STYLE ADJUSTABLE WIPPEN

Same body and heel as "Miracle Wip" (pictured above) except with standard Steinway flange. Choose from straight or angled heels. Heels included, but not installed.

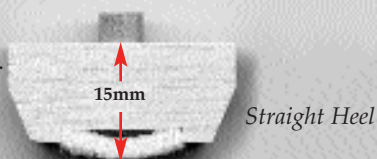
#TWS-2



MASON & HAMLIN "MIRACLE WIP"

Same features as Steinway "Miracle Wip". Straight heels included, but not installed. Shown above, exact size.

#TWM-2A



GRAND WIPPENS

TOKIWA

Symbol of Quality
HAMAMATSU, JAPAN

TOKIWA WIPPENS

Styles pictured below come fully assembled.
All wippens pictured exact size.

STEINWAY STYLE WIPPEN

Fits all American Steinway grands.

Shown right, exact size.

#TWS

15mm

#TWS

MASON & HAMLIN STYLE WIPPEN

Fits all Mason & Hamlin grands.

Shown right, exact size.

#TWM

15mm

#TWM

Steinway Flange Only

#TWF

#TWF

RENNER STYLE WIPPEN

Fits most German and European
grands. Shown right, exact size.

#TWR

16.5mm

#TWR

GRAND WIPPENS

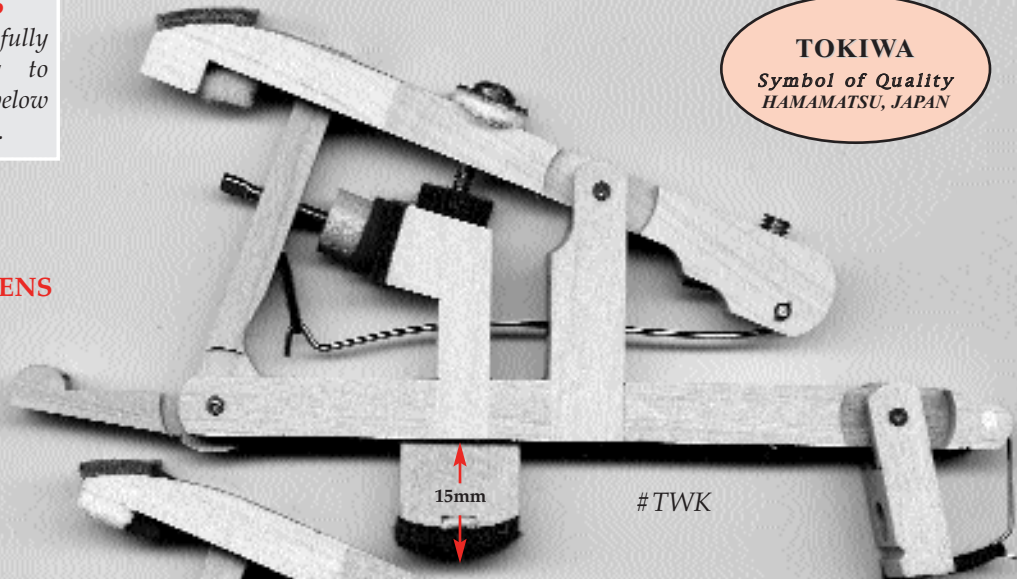
TOKIWA WIPPENS

#TWK and #TWY come fully assembled and ready to install. See description below for "Universal" wippens.

TOKIWA
Symbol of Quality
HAMAMATSU, JAPAN

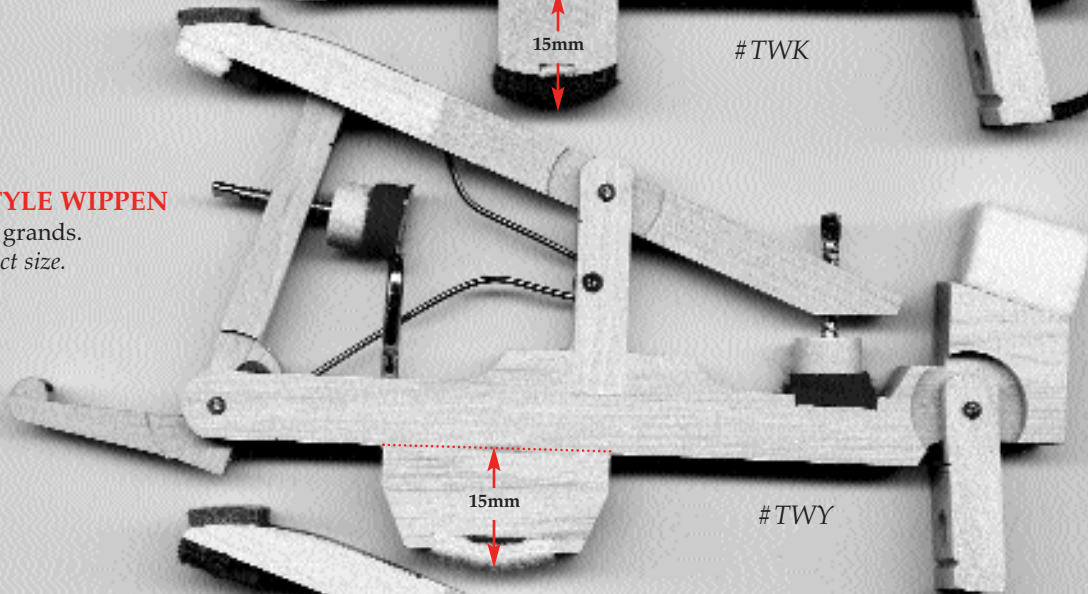
KAWAI STYLE WIPPENS

Fits older Kawai grands.
Shown right, exact size.
#TWK



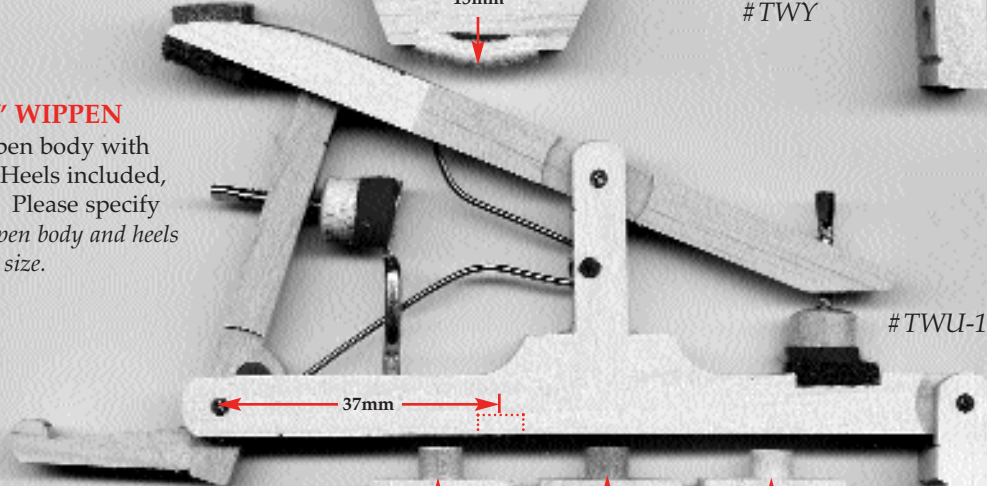
YAMAHA STYLE WIPPEN

Fits all Yamaha grands.
Shown right, exact size.
#TWY



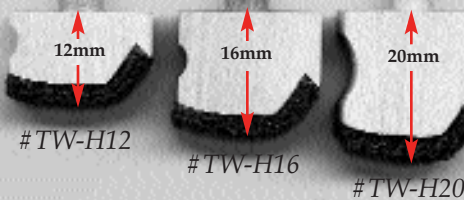
"UNIVERSAL" WIPPEN

"Universal" wippen body with flange attached. Heels included, but not installed. Please specify heel length. Wippen body and heels shown right, exact size.
#TWU-1



WIPPEN HEELS ONLY

Included with wippens or available separately in sets of 90. Shown right, actual size.
#TW-H12 12mm Short Heels
#TW-H16 16mm Medium Heels
#TW-H20 20mm Long Heels



TOKIWA
Symbol of Quality
 HAMAMATSU, JAPAN

TOKIWA UNIVERSAL WIPPEN KITS

Design your own wippen!

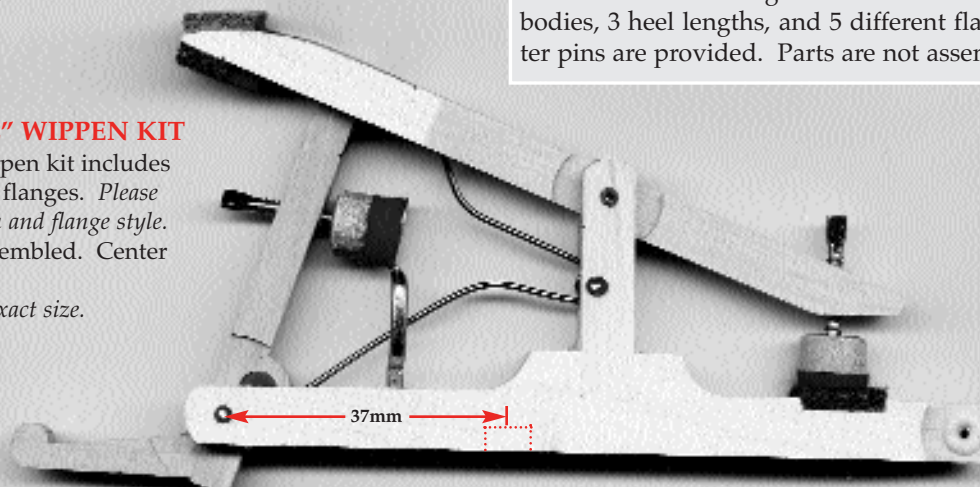
Separate wippen body, flange, and heel allow for exact matches in older Knabe, Chickering, Baldwin, and most other older American grands. Choose between 2 wippen bodies, 3 heel lengths, and 5 different flanges. 18½" center pins are provided. Parts are not assembled.

"UNIVERSAL" WIPPEN KIT

"Universal" wippen kit includes body, heels, and flanges. Please specify heel length and flange style. Parts are not assembled. Center pins included.

All parts shown exact size.

#TWU-2



#TWU-2 Universal Wippen Body

WIPPEN HEELS ONLY

Included with wippens or available separately in sets of 90. Shown right, actual size.

#TW-H12 12mm Short Heels

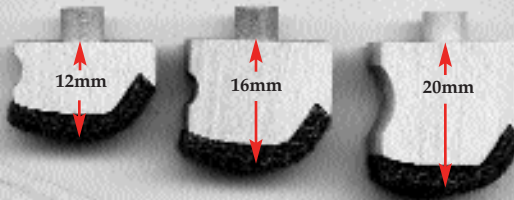
#TW-H16 16mm Medium Heels

#TW-H20 20mm Long Heels

#TW-H12

#TW-H16

#TW-H20



"UNIVERSAL" WIPPEN KIT

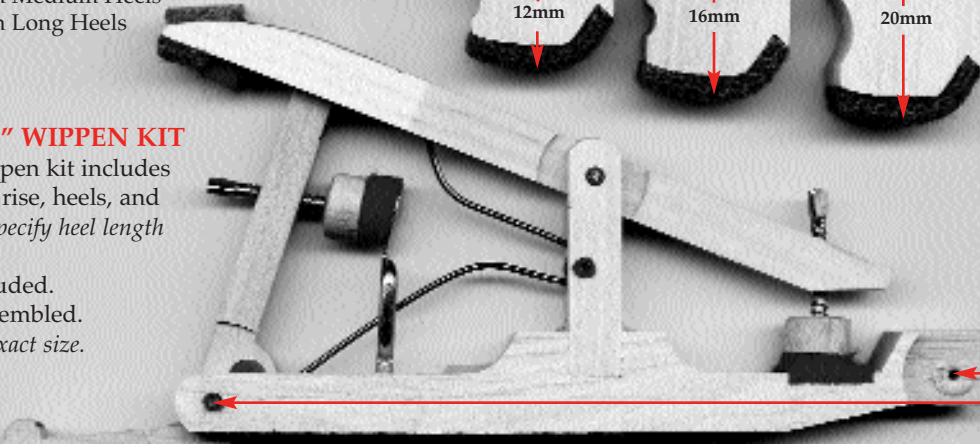
"Universal" wippen kit includes body with 4mm rise, heels, and flanges. Please specify heel length and flange style.

Center pins included.

Parts are not assembled.

All parts shown exact size.

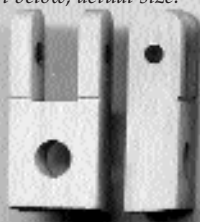
#TWU-3



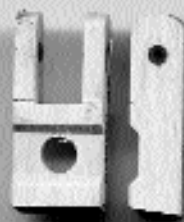
#TWU-3 Universal Wippen Body

FLANGES

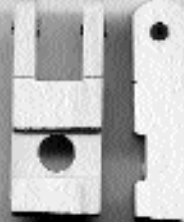
Flanges included with wippen kits. Choose from part numbers below. Also available separately in sets of 90. Shown below, actual size.



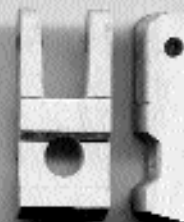
#TSF-12F
Baldwin Style Flange



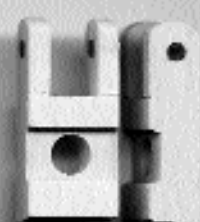
#TSF-13F
Knabe/Chickering



#TSF-18F
Long Flange



#TSF-19F
Aeolian

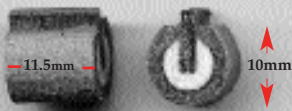


#TSF-20F
Regular

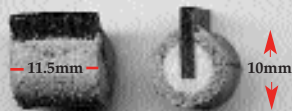
GRAND PARTS

GRAND ACTION PARTS

All parts shown below actual size. Determine size by measurements or placing original parts on top of photos.



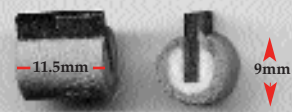
TOKIWA KNUCKLES
11.5mm width/10mm diameter.
#TGK



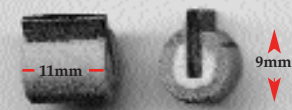
ABEL KNUCKLES
11.5mm width/10mm diameter.
#AGK-10A



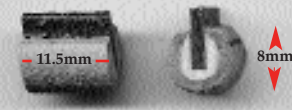
ABEL KNUCKLES
11mm width/10mm diameter.
#AGK-10B



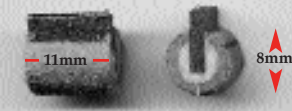
ABEL KNUCKLES
11.5mm width/9mm diameter.
#AGK-9A



ABEL KNUCKLES
11mm width/9mm diameter.
#AGK-9B



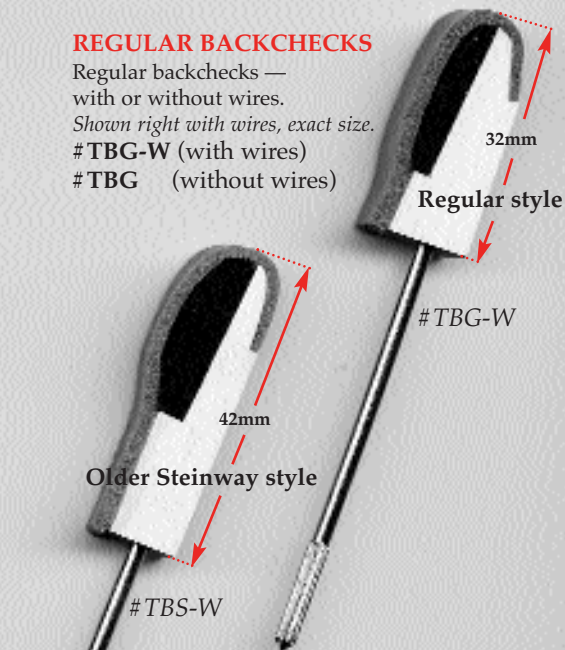
ABEL KNUCKLES
11.5mm width/8mm diameter.
#AGK-8A



ABEL KNUCKLES
11mm width/8mm diameter.
#AGK-8B

REGULAR BACKCHECKS

Regular backchecks — with or without wires. Shown right with wires, exact size.
#TBG-W (with wires)
#TBG (without wires)

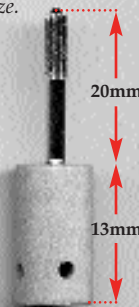


Older Steinway style

#TBS-W

STEINWAY BACKCHECKS

Steinway backchecks — with or without wires. Shown above with wires, exact size.
#TBS-W (with wires)
#TBS (without wires)



20mm

13mm

GRAND LET-OFF DOWELS

Tokiwa grand let-off dowels with fluted wire. Felt punchings included, not glued on.
#TLD



#TGDK

TOKIWA GRAND DAMPER ACTION (BACK-ACTION) REPLACEMENT KIT

Tokiwa grand damper action (back-action) replacement kit is designed to fit any grand action, regardless of size. Kit includes 48" long maple tray for custom cut, machined pin rail, pivot pins, tray felt assist springs, and tray & upstop rail felt. Full installation instructions included. Kit contains everything needed for full back-action replacement. Fits all grands.

Side view of tray and levers shown right, exact size.
#TGDK

UPRIGHT PARTS

MISCELLANEOUS UPRIGHT PARTS

The upright parts pictured below are available in sets or individually. All parts shown exact size.



#EL-S

SNAP-ON PLASTIC ELBOWS

Our best selling Vagias snap-on plastic elbows fit virtually all uprights. Shown above, exact size.

#EL-S



#EL-W1

LONG ELBOW

Traditional long wood elbow.

Shown above, exact size.

#EL-W1



#EL-W2

SHORT ELBOW

Traditional short wood elbow.

Shown above, exact size.

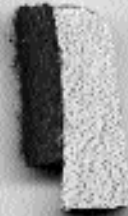
#EL-W2



STEINWAY DAMPER BLOCKS

Tokiwa upright damper blocks for Steinway. See page A-23 for details. Shown above, exact size.

#TU-59



#PW-UBC

BACKCHECKS

Upright backchecks fit both standard and compact actions.

Shown above, exact size.

#PW-UBC



#PW-C10

STANDARD CATCHER

Traditional standard upright catcher.

Shown above, exact size.

#PW-C10



#PW-C2

COMPACT CATCHER

Traditional compact upright catcher.

Shown above, exact size.

#PW-C2

SPINET SHANKS

Set of 100. 4/4" x 3/16"

Shown above, exact size.

#U2-4

UPRIGHT SHANKS

Highest quality maple shanks.

Set of 100. 5/4" x 7/32"

Shown above right, exact size.

#U1-5M



#U2-4

#U1-5M



RUBBER GROMMET

Round.

Shown above, exact size.

#RBN-U5G



GROMMET w/ NUT

Neoprene.

Shown above, exact size.

#RBN-U6G



DOWEL CAPSTAN

#PW-DC3

UPRIGHT PARTS: BUTTS

UPRIGHT BUTTS

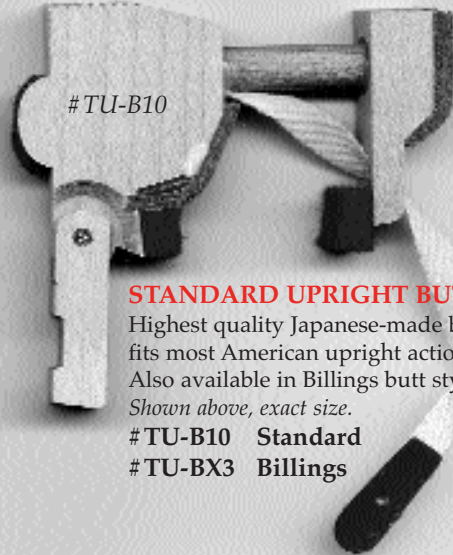
Pictured below are the most common upright replacement butts. Flanges available separately. See page A-22.



STANDARD UPRIGHT BUTT

"Pratt-Win"/"Baldwin" butt fits most American upright actions.
Shown above, exact size.

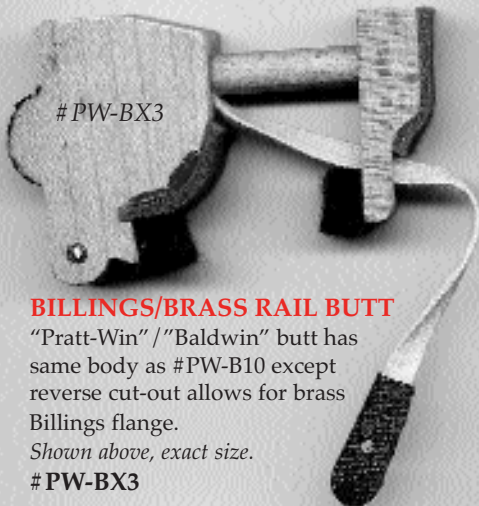
#PW-B10



STANDARD UPRIGHT BUTT

Highest quality Japanese-made butt fits most American upright actions. Also available in Billings butt style.
Shown above, exact size.

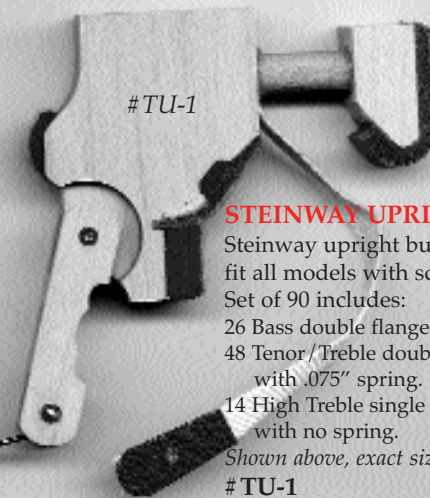
#TU-B10 Standard
#TU-BX3 Billings



BILLINGS/BRASS RAIL BUTT

"Pratt-Win"/"Baldwin" butt has same body as #PW-B10 except reverse cut-out allows for brass Billings flange.
Shown above, exact size.

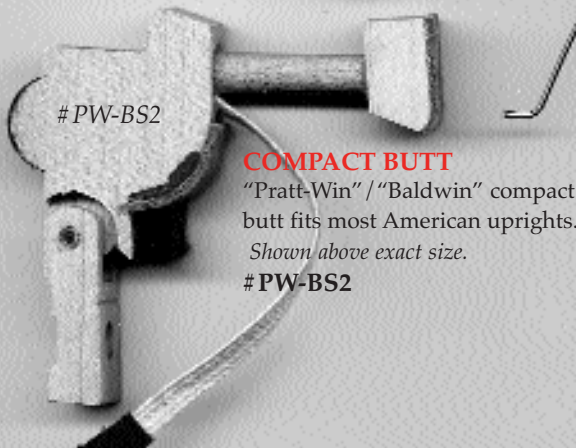
#PW-BX3



STEINWAY UPRIGHT BUTT

Steinway upright butts & flanges fit all models with scalloped flange. Set of 90 includes:
26 Bass double flanges w/.085" spring.
48 Tenor/Treble double flange with .075" spring.
14 High Treble single flange with no spring.
Shown above, exact size.

#TU-1



COMPACT BUTT

"Pratt-Win"/"Baldwin" compact butt fits most American uprights.
Shown above exact size.

#PW-BS2



ASIAN UPRIGHT BUTT

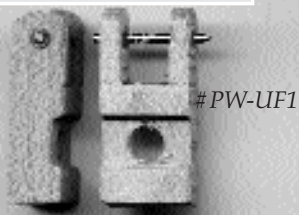
Fits Yamaha, Young Chang, Samick, and most other Asian actions.
Shown above, exact size.

#YSF-20B

UPRIGHT PARTS: FLANGES

UPRIGHT FLANGES

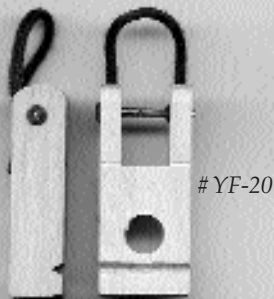
Pictured below, exact size.



STANDARD WOOD FLANGE

Standard wood flange fits both butt & wippen. Fits most American uprights. *Shown above, exact size.*

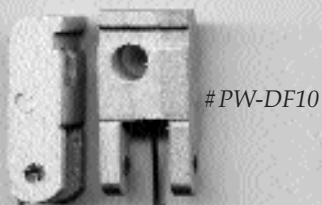
#PW-UF1



ASIAN FLANGE

Standard Asian flange fits Yamaha, Young Chang, Samick, and most Asian uprights. *Shown above, exact size.*

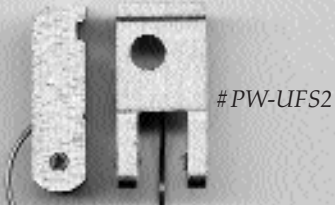
#YF-20



STANDARD DAMPER FLANGE

Standard damper flange with spring for most American uprights. *Shown above, exact size.*

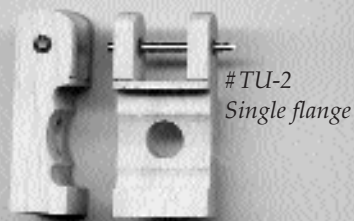
#PW-DF10



COMPACT DAMPER FLANGE

Compact damper flange with spring for most American uprights. *Shown above, exact size.*

#PW-DFS2

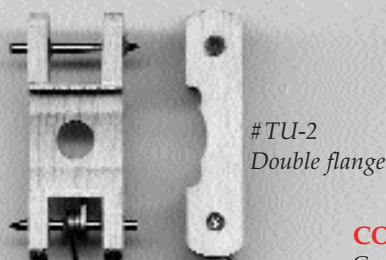


STEINWAY STYLE FLANGES

Highest quality Japanese-made Steinway upright flanges. Set consists of:
26 Bass doubles with .085" spring.
48 Tenor/Treble doubles with .075" spring.
14 High Treble single with no spring.
Shown above and above right, exact size.

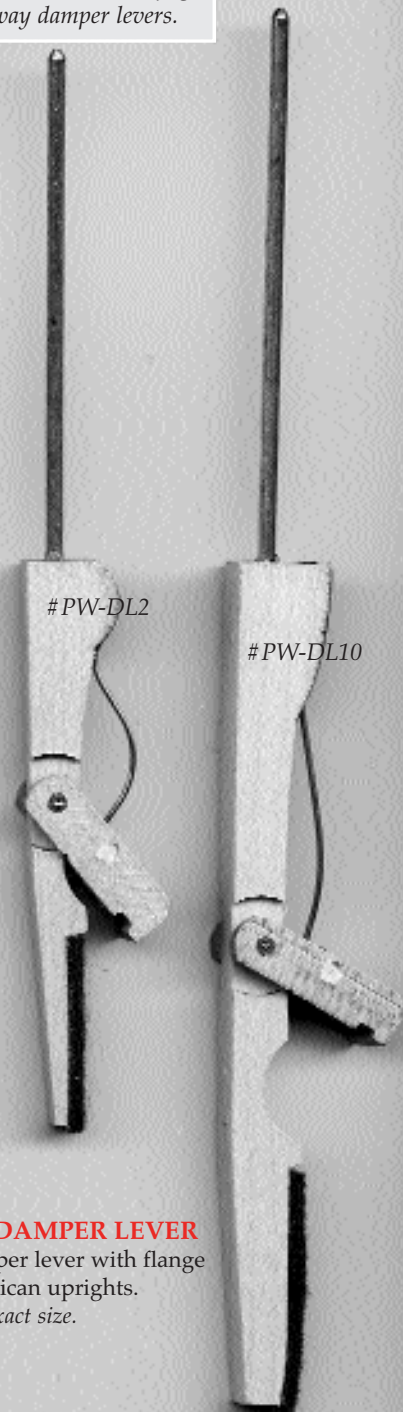
#TU-2

See page A-23 for more Steinway upright parts.



DAMPER LEVERS

Pictured below, exact size. See page A-23 for Steinway damper levers.



COMPACT DAMPER LEVER

Compact damper lever with flange for most American uprights. *Shown above, exact size.*

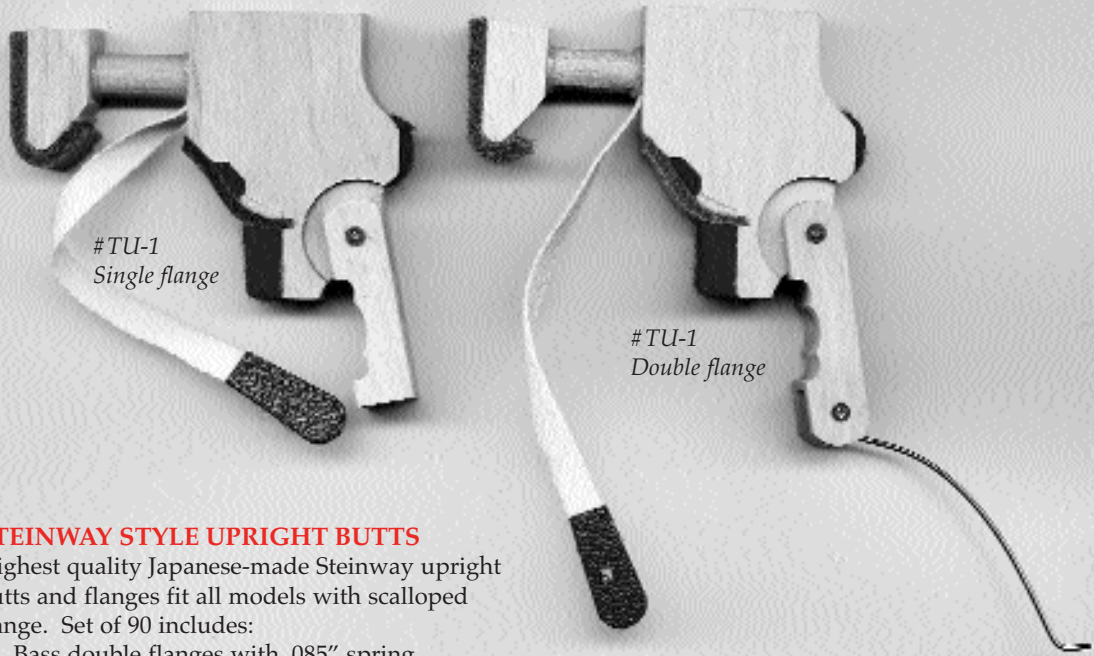
#PW-DLS2

STANDARD DAMPER LEVER

Standard damper lever with flange for most American uprights. *Shown above, exact size.*

#PW-DL10

STEINWAY UPRIGHT PARTS



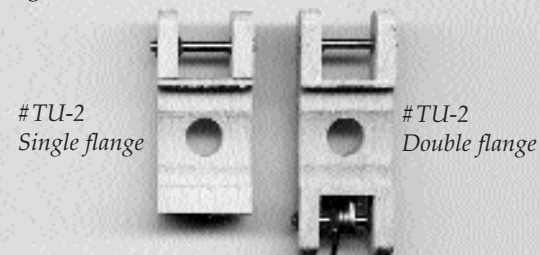
STEINWAY STYLE UPRIGHT BUTTS

Highest quality Japanese-made Steinway upright butts and flanges fit all models with scalloped flange. Set of 90 includes:

- 26 Bass double flanges with .085" spring.
- 48 Tenor/Treble double flange with .075" spring.
- 14 High Treble single flange with no spring.

Shown above, exact size.

#TU-1



STEINWAY STYLE FLANGES

Highest quality Japanese-made Steinway upright flanges. Set consists of:

- 26 Bass doubles with .085" spring.
- 48 Tenor/Treble doubles with .075" spring.
- 14 High Treble single with no spring.

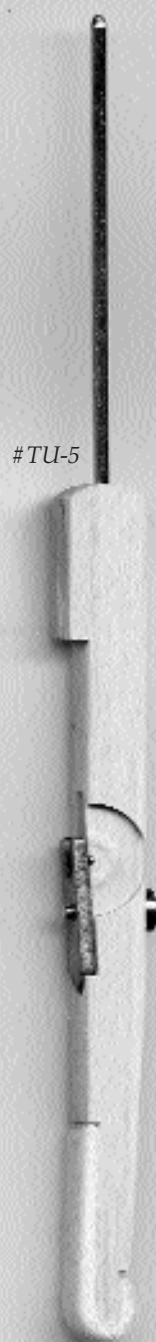
Shown right, exact size.

#TU-2

STEINWAY STYLE DAMPER LEVER with METAL PLATE

Shown right, actual size.

#TU-5



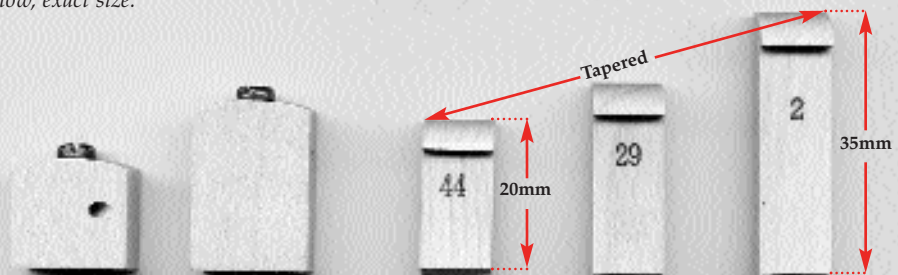
STEINWAY STYLE DAMPER BLOCKS

Steinway damper blocks and heads. Set consists of:

- 30 Short blocks (holes drilled).
- 42 Long blocks (holes drilled).
- 45 Heads (heads taper from 35mm at #1, to 20mm at #45).

Shown below, exact size.

#TU-59



STEINWAY UPRIGHT PARTS

STEINWAY UPRIGHT WIPPENS

Precision, Japanese-made Steinway style upright wippens are duplicated to exact original factory specifications. Like Steinway grands, restored Steinway uprights provide excellent return on investment. Pianotek offers the highest quality Japanese-made replacement parts for Steinway uprights. All parts are machined and pinned with utmost accuracy and attention to detail. All parts shown exact size so new parts can be measured or determined simply by placing originals on top of the catalog photos.

STEINWAY MODEL K WIPPEN

Large heel (21mm) wippen for Steinway model K.
Shown above right, exact size.

T UW-2

T UW-2

21mm

T UW-3

STEINWAY MODEL K WIPPEN

Small heel (13mm) wippen for Steinway model K.
Shown above right, exact size.

T UW-3

13mm

PINBLOCKS

BOLDUC 5-PLY PINBLOCKS

The standard by which all other blocks are measured.

Favored over all other pinblocks by prestigious manufacturers and rebuilders for their finest pianos. Only the highest quality, tight-grain, hard rock maple is selected for this 5-ply quarter-sawn pinblock. Unlike blocks made of radially-cut wood and multiple layers of glue, this pinblock preserves the character of the wood. The structure of the Bolduc Pinblock allows for solid and consistent drilling resulting in increased tuning stability.

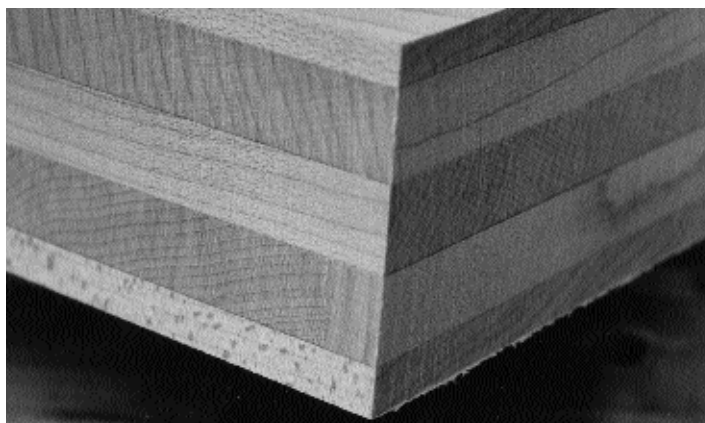
DOUBLE PANEL: 59" x 17"

SINGLE PANEL: Diagonal cut, 59" long x 5½" x 11½"

- # B-1 1¾" Bolduc Pinblock Double or Single
- # B-2 1½" Bolduc Pinblock Double or Single
- # B-3 1⅝" Bolduc Pinblock Double only

B-3UP Bolduc Upright Pinblock (59" x 12" x 2¼")

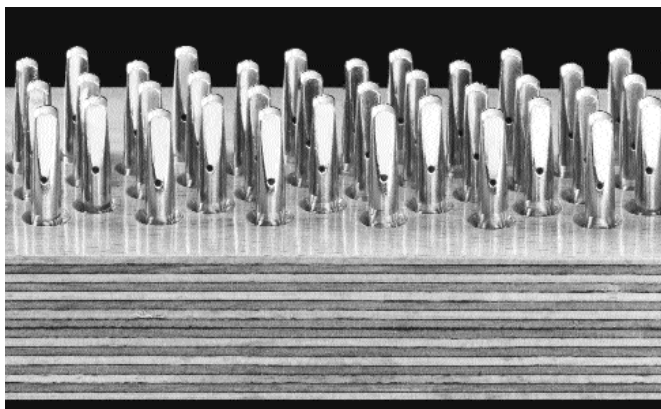
B-3UP/D Bolduc Upright Pinblock Duplication
(Pre-drilled, ready to install. Phone for instructions.)



PINBLOCK DUPLICATION

Rough-cut pinblock to match your sample. Choose any of our 3 materials. Final fitting done as you install the pinblock. Tuning pin holes are not bored.

DELIGNIT PINBLOCKS



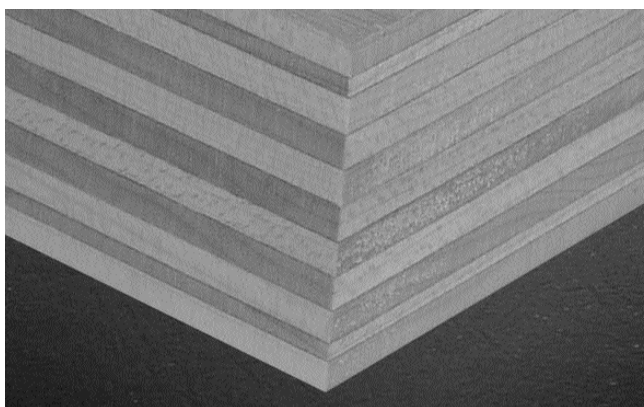
Imported from Germany, this multi-laminated beech pinblock is used worldwide by fine rebuilders and manufacturers. Available in 2 thicknesses, a 1¾" thickness pinblock would typically contain about 21 laminations of high quality beech, cross-laminated, and compressed using a hot-cure phenolic resin.

DOUBLE (59" x 18½") or SINGLE (59" x 9") panels. Delignit single panels are not cut on a diagonal.

- # DT-2 1¾" Delignit Pinblock
- # DT-3 1½" Delignit Pinblock

MULTI-LAMINATE PINBLOCKS

A quality production maple block used by major domestic and Asian piano makers. This quality flat-sawn pinblock uses a minimum number of laminations (about 11 in a 1¾" block) to keep the layers of glue to a minimum, while yet being highly resistant to changes in humidity. Industry tests have shown this block to withstand over 4000 pounds per square inch.



DOUBLE PANEL: 58" x 17"

SINGLE PANEL: Diagonal cut, 58" long x 5½" x 11½"

- # M-1 1¼" Multi-Lam Pinblock
- # M-2 1¾" Multi-Lam Pinblock
- # M-3 1½" Multi-Lam Pinblock

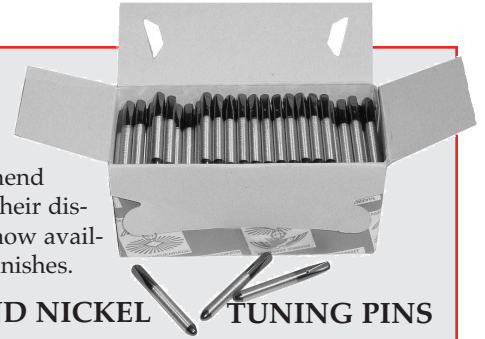
TUNING PINS



DIAMOND TUNING PINS

Diamond Tuning Pins from Klinke of Germany.

Superior in finish and peerless in consistency. Our best tuning pin, we highly recommend Diamond Tuning Pins for their smooth, shiny finishes, their cleanly cut threads, and their distinctive consistency. Preferred by top rebuilders and manufacturers, these jewels are now available in North America – exclusively at Pianotek Supply Co. Blued or nickel-plated finishes.



DIAMOND BLUED TUNING PINS

# TPD1238B	1/0 x 2 ³ / ₈ " Blued	7.0mm
# TPD1212B	1/0 x 2 ¹ / ₂ " Blued	(.276")
# TPD2214B	2/0 x 2 ¹ / ₄ " Blued	7.15mm
# TPD2238B	2/0 x 2 ³ / ₈ " Blued	(.282")
# TPD2212B	2/0 x 2 ¹ / ₂ " Blued	
# TPD3238B	3/0 x 2 ³ / ₈ " Blued	7.25mm
# TPD3212B	3/0 x 2 ¹ / ₂ " Blued	(.286")
# TPD35238B	3 ¹ / ₂ x 2 ³ / ₈ " Blued	7.30mm
# TPD35212B	3 ¹ / ₂ x 2 ¹ / ₂ " Blued	(.288")
# TPD4238B	4/0 x 2 ³ / ₈ " Blued	7.35mm
# TPD4212B	4/0 x 2 ¹ / ₂ " Blued	(.290")



DIAMOND NICKEL TUNING PINS

# TPD1238N	1/0 x 2 ³ / ₈ " Nickel	7.0mm
# TPD1212N	1/0 x 2 ¹ / ₂ " Nickel	(.276")
# TPD2214N	2/0 x 2 ¹ / ₄ " Nickel	7.15mm
# TPD2238N	2/0 x 2 ³ / ₈ " Nickel	(.282")
# TPD2212N	2/0 x 2 ¹ / ₂ " Nickel	
# TPD3238N	3/0 x 2 ³ / ₈ " Nickel	7.25mm
# TPD3212N	3/0 x 2 ¹ / ₂ " Nickel	(.286")
# TPD35238N	3 ¹ / ₂ x 2 ³ / ₈ " Nickel	7.30mm
# TPD35212N	3 ¹ / ₂ x 2 ¹ / ₂ " Nickel	(.288")
# TPD4238N	4/0 x 2 ³ / ₈ " Nickel	7.35mm
# TPD4212N	4/0 x 2 ¹ / ₂ " Nickel	(.290")

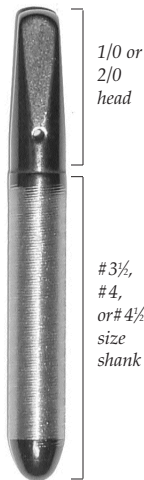
LO-TORQ™ TUNING PINS

Oversized threads, but standard size heads!

Patented Lo-Torq™ Tuning Pins allow restringing in the original pinblock using oversized pins, but keeping the head a tuning-friendly 1/0 or 2/0. Great for restringing entire piano or a bass section only.

Available in "in-between" sizes. Manufactured by Klinke (Diamond) of Germany.

2³/₈" length. Blued finish.

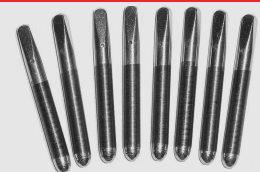


	<i>Head size</i>	<i>Shank size</i>
# TPL135238B (.276" / .288")	1/0	# 3 ¹ / ₂
# TPL235238B (.282" / .288")	2/0	# 3 ¹ / ₂
# TPL240238B (.282" / .290")	2/0	# 4
# TPL245238B (.282" / .292")	2/0	# 4 ¹ / ₂

Sizes offered current at time of printing. Size selection may change. Refer to price list or phone for info.

DENRO TUNING PINS

Worldwide, rebuilders and manufacturers have come to depend on Denro Tuning Pins for excellent quality at an economical price.



DENRO TUNING PINS Blued

# TPJ1238B	1/0 x 2 ³ / ₈ " Blued	.276"
# TPJ1212B	1/0 x 2 ¹ / ₂ " Blued	
# TPJ2214B	2/0 x 2 ¹ / ₄ " Blued	.282"
# TPJ2238B	2/0 x 2 ³ / ₈ " Blued	
# TPJ2212B	2/0 x 2 ¹ / ₂ " Blued	
# TPJ3214B	3/0 x 2 ¹ / ₄ " Blued	.286"
# TPJ3238B	3/0 x 2 ³ / ₈ " Blued	
# TPJ3212B	3/0 x 2 ¹ / ₂ " Blued	
# TPJ4214B	4/0 x 2 ¹ / ₄ " Blued	.290"
# TPJ4238B	4/0 x 2 ³ / ₈ " Blued	
# TPJ4212B	4/0 x 2 ¹ / ₂ " Blued	
# TPJ5238B	5/0 x 2 ³ / ₈ " Blued	.296"
# TPJ5212B	5/0 x 2 ¹ / ₂ " Blued	
# TPJ6238B	6/0 x 2 ³ / ₈ " Blued	.302"
# TPJ6212B	6/0 x 2 ¹ / ₂ " Blued	

DENRO TUNING PINS Nickel with Blued Threads

# TPJ1238N	1/0 x 2 ³ / ₈ " Nickel	.276"
# TPJ1212N	1/0 x 2 ¹ / ₂ " Nickel	
# TPJ2214N	2/0 x 2 ¹ / ₄ " Nickel	.282"
# TPJ2238N	2/0 x 2 ³ / ₈ " Nickel	
# TPJ2212N	2/0 x 2 ¹ / ₂ " Nickel	
# TPJ3214N	3/0 x 2 ¹ / ₄ " Nickel	.286"
# TPJ3238N	3/0 x 2 ³ / ₈ " Nickel	
# TPJ3212N	3/0 x 2 ¹ / ₂ " Nickel	
# TPJ4214N	4/0 x 2 ¹ / ₄ " Nickel	.290"
# TPJ4238N	4/0 x 2 ³ / ₈ " Nickel	
# TPJ4212N	4/0 x 2 ¹ / ₂ " Nickel	
# TPJ5238N	5/0 x 2 ³ / ₈ " Nickel	.296"
# TPJ5212N	5/0 x 2 ¹ / ₂ " Nickel	
# TPJ6238N	6/0 x 2 ³ / ₈ " Nickel	.302"
# TPJ6212N	6/0 x 2 ¹ / ₂ " Nickel	

WIRE & UNIVERSAL STRINGS

MAPES INTERNATIONAL GOLD SERIES MUSIC WIRE

The premium music wire. Brilliant finish. Proven to be superior over others in tensile strength and tone. We highly recommend Mapes IGS Music Wire for all pianos.

<u>Size</u>	<u>Diameter</u>	<u>Approx. Ft. per Lb.</u>
Size 12	.029"	440
Size 12½	.030"	415
Size 13	.031"	390
Size 13½	.032"	365
Size 14	.033"	350
Size 14½	.034"	330
Size 15	.035"	305
Size 15½	.036"	290
Size 16	.037"	275
Size 16½	.038"	260
Size 17	.039"	250
Size 17½	.040"	235
Size 18	.041"	225
Size 18½	.042"	210
Size 19	.043"	200
Size 19½	.044"	190
Size 20	.045"	180
Size 20½	.046"	175
Size 21	.047"	165
Size 21½	.048"	160
Size 22	.049"	155
Size 23	.051"	140
Size 24	.055"	120
Size 25	.059"	105
Size 26	.063"	90

Mapes IGS Music Wire is available in:

- 5 lb. coils
- 1 lb. coils
- 1/4 lb. on dispensing reel



Mapes International Gold Series Music Wire

UNIVERSAL BASS STRINGS

Hexagon core or "universal" bass strings. Simply unwrap the copper winding and cut to length. Then cut the core wire to length, and install. Ideal for emergencies. Available in sets or individually.

HEAVY STRINGS

<u>Part No.</u>	<u>Diameter</u>
# B48 01	.155"
# B48 02	.158"
# B48 03	.165"
# B48 04	.175"
# B48 05	.186"
# B48 06	.194"
# B486S	Set of 6

FINE STRINGS

<u>Part No.</u>	<u>Diameter</u>
# B48 1	.144"
# B48 1½	.134"
# B48 2	.128"
# B48 2½	.124"
# B48 3	.117"
# B48 3½	.112"
# B48 4	.109"
# B48 4½	.102"
# B48 5	.097"
# B48 5½	.088"
# B48 6	.084"
# B48 6½	.077"
# B48 7	.075"
# B48 7½	.072"
# B48 8	.069"
# B48 9	.063"
# B48 10	.059"
# B48 11	.054"
# B48 12	.051"

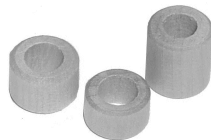
VERY HEAVY STRINGS

<u>Part No.</u>	<u>Diameter</u>
# S 01	.212"
# S 02	.207"
# S 03	.202"
# S 04	.197"
# S 05	.191"
# S 06	.185"
# S 07	.179"
# S 08	.172"
# S 09	.166"
# S 10	.160"
# BS10S	Set of 10

Available individually or in sets.

TUNING PIN BUSHINGS

Also called plate bushings.
Hardwood, 2 diameters.



7/16" outer diameter,
1/4" hole:

- # TBU-1 3/16" Height
- # TBU-2 1/4" Height
- # TBU-3 5/16" Height
- # TBU-4 3/8" Height
- # TBU-5 7/16" Height

13/32" outer diameter,
1/4" hole:

- # TBU-6 1/4" Height
- # TBU-7 5/16" Height
- # TBU-8 3/8" Height
- # TBU-9 7/16" Height

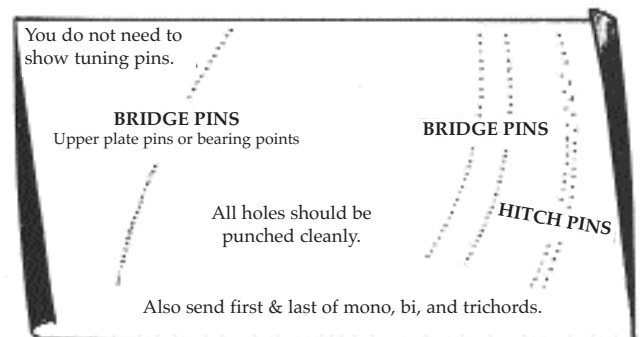
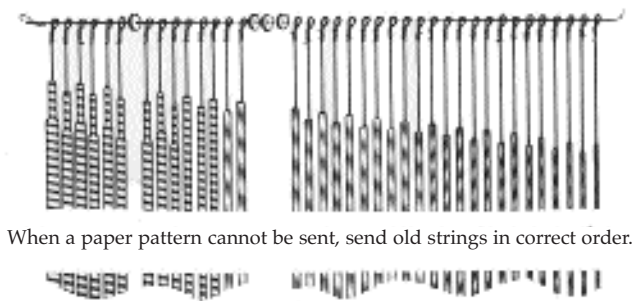
BASS STRINGS

CUSTOM BASS STRINGS MADE TO YOUR PAPER PATTERN & SAMPLES

Use of a paper pattern is more economical than sending the entire set of old strings.

We also recommend using a paper pattern because it furnishes more accurate and pertinent information than sample strings alone.

1. Spread a sheet of heavy paper smoothly & evenly across entire bass section of strings. Check for smooth fit.
2. Press the paper firmly down over bridge pins, allowing them to push through the paper.
3. Press the paper over the hitch pins in the same manner.
4. Keeping paper taut, use sandpaper to make an impression of the agraffes or capo d'astro bar line. For capo d'astro bars, also mark where first and last strings cross the bar.
5. Write on the pattern the following information:
 - a) Your name, address, and telephone number.
 - b) Number of mono-chords, bi-chords, and tri-chords.
 - c) Make and model of piano.
 - d) Also state whether the impression was taken over dampers in place, or if dampers were removed.
6. Also include marked sample strings from first and last of mono-chords, bi-chords, and tri-chords.



BASS STRINGS TO YOUR SAMPLES

1. Thread old strings on piece of wire in correct order & fasten.
2. Wherever a string may be missing, insert a cardboard punching on wire.
3. Also include the following information:
 - a) Make and model of piano.
 - b) Number of mono-chords, bi-chords, and tri-chords.
 - c) Number of missing strings.

STOCK BASS STRINGS

Bass strings (sets & individual) for most Steinway & Sons (NY), Baldwin, Mason & Hamlin, and Yamaha pianos can be ordered by make, model, and serial numbers. For some models, it may be necessary to include the scale information (number of mono, bi, and tri-chords). If ordering individual strings, we will need the string number (not note number).

INDIVIDUAL BASS STRINGS

With Sample

Send string(s) and include your name, address, and phone number, along with make and model of piano.

Without Sample

Include measurements & information:

1. Tip of loop to start of winding.
2. Length of winding.
3. Core wire diameter.
4. Outside diameter of wrapping.
5. If double wound, both wrappings.
6. String number.
7. Whether mono, bi, or tri-chord.
8. Make & model of piano.
9. Your name, address, and phone.

BRIDGES & BRIDGE PINS

BRIDGE PINS — COPPERED

Coppered bridge pins with one pointed end. Length 1".



# BP-6	# 6 Bridge Pins	.076"
# BP-7	# 7 Bridge Pins	.086"
# BP-8	# 8 Bridge Pins	.096"
# BP-9	# 9 Bridge Pins	.109"
# BP-10	# 10 Bridge Pins	.135"

BRIDGE DRILLS

High speed steel. Fast spiral, wide flute. Overall lengths range from 2" to 2 3/4".



Drills recommended for copper bridge pins:

# 149	# 49 Drill (.0730")	for # 6 pin
# 146	# 46 Drill (.0810")	for # 7 pins
# 142	# 42 Drill (.0935")	for # 8 pin
# 136	# 36 Drill (.1065")	for # 9 pin
# 130	# 30 Drill (.1285")	for # 10 pin

Drills recommended for nickel bridge pins:

# 150	# 50 Drill (.0700")	for 1.85mm pin
# 148	# 48 Drill (.0760")	for 2.00mm pin
# 146	# 46 Drill (.0810")	for 2.15mm pins
# 143	# 43 Drill (.0890")	for 2.35mm pin
# 141	# 41 Drill (.0960")	for 2.50mm pin
# 138	# 38 Drill (.1015")	for 2.65mm pin
# 134	# 34 Drill (.1110")	for 2.90mm pin
# 132	# 32 Drill (.1160")	for 3.10mm pin

BASS BRIDGE DUPLICATION

Precision bass bridge duplication. All bridges dimensioned to original height. Services include beveled or notched styles, pinning, aprons, and any other custom work or unusual dimensioning. *All work done in-house. Call for price quote.*



BRIDGE PINS — NICKEL-PLATED

Nickel-plated bridge pins. One pointed end. Lengths range from about 13/16" to 1 3/32".

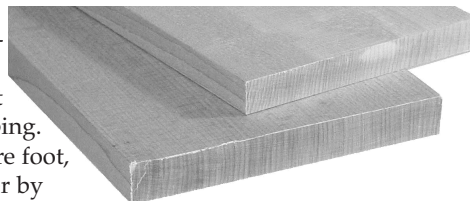


<u>Part No.</u>	<u>Approximate Diameter</u>	<u>Approx. Length</u>
# BP-N185	1.85mm Bridge Pins (.073")	21mm (13/16")
# BP-N200	2.00mm Bridge Pins (.079")	22mm (7/8")
# BP-N215	2.15mm Bridge Pins (.085")	23mm (29/32")
# BP-N235	2.35mm Bridge Pins (.093")	24mm (15/16")
# BP-N250	2.50mm Bridge Pins (.099")	25mm (31/32")
# BP-N265	2.65mm Bridge Pins (.104")	26mm (1")
# BP-N290	2.90mm Bridge Pins (.114")	28mm (1 3/32")
# BP-N310	3.10mm Bridge Pins (.122")	28mm (1 1/16")

Tek TIP When using McLube 1708L (our dark grey graphite substitute) for bridge caps, use a burst of air from your compressor or simply blow on it to dry. It dries within seconds, so you can apply multiple coats very quickly to give a great build up. Using a high quality artist brush (oil) gives a factory finish, and clean-up is easy with denatured alcohol. Burnishing is not necessary. Just rub it out with a cloth or paper towel for a stunning finish that will not rub off.

BRIDGE CAPPING MATERIAL

State-of-the-art Bolduc quarter-sawn rock maple excellent for bridge capping. Priced by square foot, but please order by number of boards. All boards 59" in length, approximately 1/2" thick, with minimum 12 grains per inch.



CAP **Bridge Capping Material**
Boards are typically 3" to 3 1/2" in width.

CAP/B **Bridge Capping Material, Box**
Approximately 20 square feet total.

CAP/B/W **Wide Bridge Capping Material, Box**
Board widths are about 4" or more. Approximately 20 square feet total.

SOUNDBOARDS

BOLDUC SOUNDBOARDS

State of the art, period. Manufactured by Les Pianos André Bolduc Inc., Canada, Bolduc soundboards are known throughout the world for their superior workmanship. Made of Eastern white spruce, these panels offer stunning, unblemished matched board color, correct grain orientation and dimensioning, and superior tone production. The preferred choice for rebuilders nationwide.

SOUNDBOARD PANELS

Bolduc soundboards offer not only great beauty and consistency, but also deliver outstanding sound transmission and



superior bass response. Bolduc hand-selects only the finest Eastern white spruce. Grain and color are carefully matched for uniformity and beauty. Only the highest standards of manufacturing are maintained to ensure the level of excellence widely associated with the name Bolduc. 5/16" thick for models up to 6'4". 3/8" for all others. Soundboard panels available in any quantity. Substantial discounts available when purchased in quantities of 6, and 12 or more panels.

ORDERING INSTRUCTIONS

Please refer to the models listed below. Most other brands will fit one of the models listed. Unusual boards may require a pattern or specifications. Call us if you have any questions.

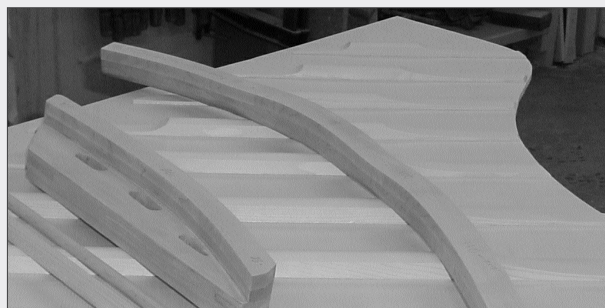
Small grands: Under 5'7"
Steinway S/M/L/0
Steinway A (fits all models)
Steinway B
Steinway C
Steinway D

Mason & Hamlin A
Mason & Hamlin AA
Mason & Hamlin BB
Mason & Hamlin CC
Baldwin D
Upright soundboard

Please specify make and model of piano when ordering. Each shipment will be charged a crate fee (up to 12 boards per crate). Boards shipped by freight truck. See price list for crate fees and discounts.

PRE-CROWNED SOUNDBOARDS

Bolduc pre-crowned & ribbed soundboards duplicated to your original board and ready for final fit. Superior craftsmanship, ease of installation, and affordability are the hallmarks of all Bolduc pre-crowned boards. See page E-15 for 6-hour video including full teardown and installation instructions. Covers every aspect from start to finish in great detail.



FEATURES

- Board is crowned and ribbed to your original sample.
- Eastern white spruce with spruce ribs.
- Bridges recapped with tight grain quarter-sawn maple.
- Board dimensioned to close tolerances for ease of final fit.

ORDERING INSTRUCTIONS

1. Crate up all pieces of original soundboard. Crate must be large enough to accommodate shipment of new board.
2. Bridges: Include bridges for re-capping. Note: Bridges are recapped only and not glued to board. Notching and pinning not available. Bridge location is your responsibility. Do not send bridges if doing your own bridge work.
3. Call us when ready to ship. We will take care of any questions and make all necessary shipping arrangements.

RIB STOCK

Spruce rib stock. Sold per box. Box contains 24 pieces, 1 1/2" square by 53" long, planed.

Rib Rib Stock

SOUNDBOARD SHIMS

Spruce soundboard shims. Shown below, actual size.

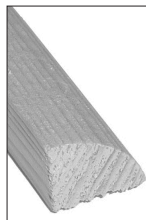


#BSB-SH Regular #BSB-SHS1 Small #BSB-SHS2 Medium #BSB-SHS3 Large

SOUNDBOARD MOULDING

Quarter-sawn spruce. Sold per lineal foot.

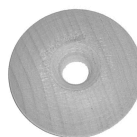
B-M4
Soundboard Moulding



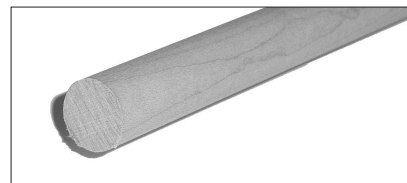
SOUNDBOARD BUTTONS

Hardwood buttons for use with #10 screws.

SDB
Soundboard Buttons



MAPLE DOWELS FOR SOUNDBOARDS



Hardwood maple doweling for plate leveling when replacing soundboards.

B-D716 48" x 7/16"
Soundboard Dowel

B-D12 36" x 1/2"
Soundboard Dowel

ACTION HARDWARE & PARTS

GRAND AGRAFFES

Solid brass, threaded.



American thread (36):

- # AGR-1 1/4" Single
- # AGR-2 1/4" Double
- # AGR-2W 1/4" Wide Double
- # AGR-3 1/4" Triple

American thread, 7/32":

- # AGR-4 7/32" Single
- # AGR-5 7/32" Double
- # AGR-5W 7/32" Wide Double
- # AGR-6 7/32" Triple

Metric thread (32):

- # AGR-1M 1/4" Single
- # AGR-2M 1/4" Double
- # AGR-3M 1/4" Triple

You may also order agraffes for Steinways by the set. Specify 1/4" or 7/32".

	Single	Double	Wide	Triple
# AGR-SSM	10	14	4	26
# AGR-SSL	10	14	2	28
# AGR-SSA	8	15	2	26
# AGR-SSB	8	8	4	31
# AGR-SSD	8	0	5	40

AGRAFFE WASHERS

Brass washers that fit between agraffe and plate, for alignment.

- # AGR-W0311 .012" Washers
- # AGR-W0511 .020" Washers



GRAND CAPSTAN SCREWS

Solid brass. Round polished heads, with holes. Overall length 1 1/8".

- # GCS-1 Grand Capstans



ACTION SCREWS

High quality with cut threads (not stamped) for extended durability & precision.

- # GCA-22 Action Screws



BALANCE RAIL PINS

Nickel-plated steel balance rail pins.



- # BRP-1 .145" x 2 1/4" Balance Pins
- # BRP-2 .145" x 2 5/8" Balance Pins
- # BRP-162 .162" x 2 1/4" Balance Pins
- # BRP-162X .162" x 2 5/8" Balance Pins

FRONT RAIL PINS

Nickel-plated steel.

- # FRP-1 .146" x 1 1/16" Front Rail Pins
- # FRP-146X .146" x 1 1/16" Long Front Pins



Nickel-plated brass.

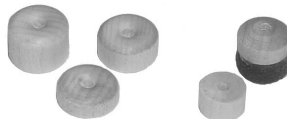
- # FRP-129 .129" x 1 1/16" Front Rail Pins

REGULATING SCREWS



- | | Overall length | Threaded portion |
|----------|----------------|------------------|
| # RSG-20 | 1 1/4" | 3/4" |
| # RSG-22 | 1 1/2" | 1" |

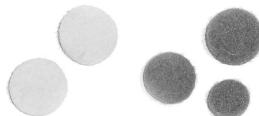
REGULATING BUTTONS & PUNCHINGS



- 7/16" diameter hardwood buttons.
- # RSG-516 Large 5/16" Thick
- # RSG-564 Med. 15/64" Thick
- # RSG-532 Small 5/32" Thick
- # RSG-B Grand Button w/ Punching
- # RSU-B 5/16" dia. x 3/16" thick

Cloth regulating punchings.

- | | Color | Dia. | Thickness |
|----------|-------|-------|-----------|
| # PR-F4S | White | 7/16" | .090" |
| # PR-F5S | White | 7/16" | .140" |
| # PR-F6 | Green | 3/8" | .090" |
| # PR-F7 | Brown | 5/16" | .140" |
| # PR-F8 | Brown | 7/16" | .140" |



CENTER PINS

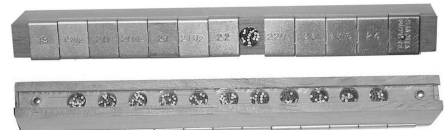
Nickel silver. 3/4" long. (Size 18 has approximately 160 pins per ounce. Size 26 has approximately 80 pins per ounce.)



	Size	Diameter
# CP-18	18	.046"
# CP-185	18 1/2	.047"
# CP-19	19	.048"
# CP-195	19 1/2	.049"
# CP-20	20	.050"
# CP-205	20 1/2	.051"
# CP-21	21	.052"
# CP-215	21 1/2	.053"
# CP-22	22	.054"
# CP-225	22 1/2	.055"
# CP-23	23	.056"
# CP-235	23 1/2	.0575"
# CP-24	24	.059"
# CP-245	24 1/2	.061"
# CP-25	25	.063"
# CP-26	26	.066"

CENTER PIN CASE

Conveniently keeps center pins in numbered compartments. With clear bottom for an easy check of stock. Filled with 12 sizes of pins.



- # CP-X Center Pin Case with pins
- # CP-XE Center Pin Case, empty

PLATE PINS (Hitch Pins)

Nickel-plated. One end tapered, one end rounded. 11/16" in length.

- # PP-137 .137" Plate Pins
- # PP-158 .158" Plate Pins



GLIDEBOLTS



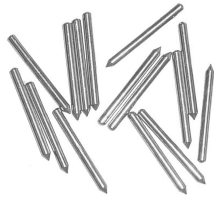
- 3" long brass glidebolts.
- # GLB-3 Brass Glidebolts

ACTION HARDWARE & PARTS

BRIDGE PINS —

Coppered

Coppered bridge pins. One pointed end. Length 1".



# BP-6	# 6 Bridge Pins	.076"
# BP-7	# 7 Bridge Pins	.086"
# BP-8	# 8 Bridge Pins	.096"
# BP-9	# 9 Bridge Pins	.109"
# BP-10	# 10 Bridge Pins	.135"

BRIDGE PINS —

Nickel-Plated

Nickel-plated bridge pins with one pointed end. Lengths range from about 13/16" to 1 1/32".



Part No.	Approximate Diameter
# BP-N185	1.85mm (.074")
# BP-N200	2.00mm (.078")
# BP-N215	2.15mm (.085")
# BP-N235	2.35mm (.093")
# BP-N250	2.50mm (.099")
# BP-N265	2.65mm (.104")
# BP-N290	2.90mm (.114")
# BP-N310	3.10mm (.124")

KEY LEADS

7/16" height. Tapered. See page D-36 for forstner drill bits.



		Diameter	Approx. Leads/lb.
# KLD-S	Small	3/8"	67
# KLD-M	Med.	7/16"	41
# KLD-L	Large	1/2"	35
# KLD-X	X-Large	5/8"	22

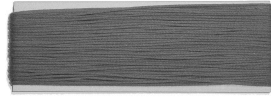
KLD-W4 Key Lead Wire

1/4" diameter lead wire. Easy to cut with our #HSC-1 Heavy Duty Shank Cutter. One foot weighs approximately 1/4 lb.



SILK ACTION CORD

For use on some styles of repetition springs, wippen flanges, butt flanges, etc. 30-yard roll.



- # FCD-1 White Action Cord
- # FCD-1G Green Action Cord

HAMMER REST RAIL BOLTS & NUTS

For use when replacing bumper-type wippens with universals. About 2 1/4" long. Set of 5.



- # TRR-5 Hammer Rest Rail Bolts

BACKCHECK WIRES



- Fluted on one end.
- # BKW-1 2 1/4" Backcheck Wires

HAMMER LEAD WIRE

5-lb. spool of .105" diameter lead. Used to lead hammer mouldings, for permanently adding weight.



- # KLD-H5 Hammer Lead Wire

FLY REGULATING SCREW

Spade head screw for grand jacks, etc.



- # GCF-91 Fly Regulating Screw

BRIDLE STRAPS



Cork-tipped bridle straps with long-wearing vinyl tips.

- # 470S Small Cork Bridles
- # 470M Medium Cork Bridles
- # 470L Large Cork Bridles



Spring Clip bridles for use with butts having no backstop hole. Clip on top of buttstop stem, adjusting length. Turn clip to lock position. Easy to use.

- # 472 Spring Clip Bridle Straps



- Plain bridle straps with vinyl tips.
- # 473 Plain Bridle Straps

BRIDLE WIRES



- # BRW-1 Upright Bridle Wires
- # BRW-2 Spinnet Bridle Wires

JACK SPRINGS

1" spiral springs for uprights.

- # SP-J1 Upright Jack Springs

25/32" spiral springs for spinets.

- # SP-J2 Spinnet Jack Springs



HAMMER BUTT SPRINGS

- # SP-B1 2" Upright Butt Springs
- # SP-B175 1 1/4" Uprrt. Butt Springs
- # SP-B2 Spinnet Butt Springs

DAMPER LEVER SPRINGS

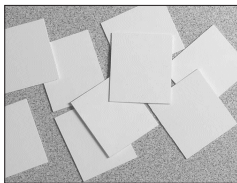
- # SP-DL1 Medium .029" diameter
- # SP-DL2 Heavy .033" diameter

KEY COVERS

PLASTIC KEY FRONT MATERIAL

Highest quality key front material. Press-polished; no blemishes. White matches our KTP tops & most others. Available in sheets (51" x 21"), in set of 6 strips (each 1" x 21"), or in set of 60 squares (approx. 1" square).

- #KFM-30 .030" thickness
- #KFM-40 .040" thickness
- #KFM-50 .050" thickness
- #KFM-60 .060" thickness



PVC-E GLUE

Best choice for installing plastic keytops. Easy to use.



GLUE WAFERS for GENUINE IVORY

- #HW-1H Glue Wafer for Ivory Head
- #HW-1T Glue Wafer for Ivory Tail

EBONY SHARPS

Genuine ebony sharps. Satin finish. Sets of 36.

- #KSE-1 **Ebony Sharps:**
3-3/4" long, 17/32" high, tapered.
- #KSE-2 **Ebony Sharps:**
3-3/4" long, 39/64" high, tapered.

PLASTIC SHARPS

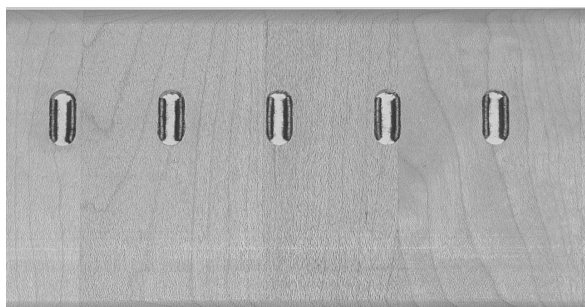
Sets of 36 black plastic sharps, tapered.

	<u>Approx. Length</u>	<u>Height</u>	<u>Finish</u>
#KSP-1G	3-3/4"	.520"	Gloss
#KSP-1S	3-3/4"	.520"	Satin
#KSP-2	3-7/16"	.570"	Dull
#KSP-7	3-3/4"	.551"	Satin
#KSP-8	3-3/4"	.591"	Satin

KEYBUTTONS

Highest quality basswood keybuttons. Length 2 1/2". For grands or uprights. Bushed with top quality, white-center, bushing cloth. Offset mortises. For keypin sizes of .145" (standard) or .160" (older Steinway).

- KBT-145** Keybuttons for .145" pins
- KBT-160** Keybuttons for .160" pins



JAPANESE KEYTOPS WITH FRONTS

Wide, pre-rounded acrylic keytops (.085") with fronts (.060") attached. Octave sections. White.

- #KTF-1 **Japanese Keytops with Fronts**

KLUGE KEYTOPS WITH FRONTS

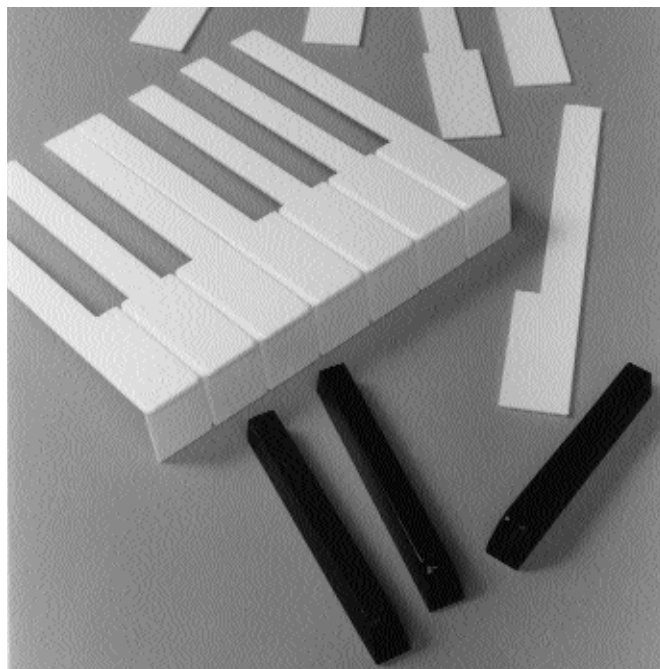
Pre-moulded keytops (.079") with fronts (.060") attached. Heads measure just over 7/8" wide, and 1 3/2" long. Octave sections. Very slightly off-white.

- #KTF-2 **German Keytops with Fronts**

GERMAN KEYTOPS WITH FRONTS

Pre-moulded keytops (.080") with attached fronts (.065"). Heads measure 29/32" x 2". 52 individual pieces in boxed set. Work with most keyboards. White, or very light cream color.

- #KTF-4W **Keytops with Fronts, White**
- #KTF-5C **Keytops with Fronts, Light Cream**



DELUXE ACRYLIC KEYTOPS

Extra wide to fit all keys, including older Mason & Hamlin and Bösendorfer. Heads measure 15/16" wide. Square edges, not pre-rounded, .070" thick. Made of long-wearing acrylic. White. Boxed set of 52.

- #KTP **Deluxe Acrylic Keytops**

SHAPED ACRYLIC KEYTOPS

Pre-moulded keytops, .080" thick. Fit most keys. 29/32" x 2" heads. Individual pieces. White, or very light cream color. Boxed set of 52.

- #KTP-2W **Shaped Acrylic Keytops, White**
- #KTP-2C **Shaped Acrylic Keytops, Light Cream**

KEY RECOVERING

KEY SERVICES

Keytops Installed

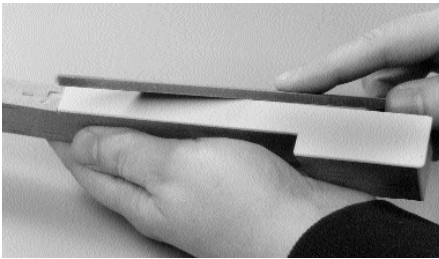
Keytops & Fronts Installed

Plastic Sharps Installed
Ebony Sharps Installed
Ebony Sharps Refurbished

Bushings Installed

Keybuttons Installed

Individual Key Repairs



New keytops, fronts, and sharps can create a fresh new look for old keyboards, increasing the value and saleability of rebuilt and used pianos.

Pianotek Supply offers you the highest quality keytop replacement services. We strive not only for accuracy, consistency, and beauty, but also for quick turn-around.

After carefully removing old tops and fronts, we re-surface tops parallel to key bottoms. Our skilled technicians check each key individually to ensure squareness and uniformity. Using a combination of machine and hand-filing, edges are trimmed and matched. Our product is not finished until every surface is buffed and polished to create smooth, consistent edges.

We also install new sharps of either ebony or plastic. When possible, we can also refurbish existing sharps. We rebush front and/or balance rail mortises with highest quality (white center) bushing cloth. New keybutton installation is also available.

Pianists, whether novice or professional, expect and appreciate uniform, quality keywork.

Our high standards provide you with a keyboard you will be proud to install.

KEYTOPS * FRONTS * BUSHINGS * SHARPS * KEYBUTTONS

HOW TO ORDER

1. Number all keys #1-88.
2. Carefully pack and ship only those keys to which work will be done. We suggest packing 13 white keys in newspaper and taping securely. We encourage you to ship via UPS, and to insure the keys for a minimum of \$3000.00
3. If you wish old ivories to be returned, please indicate so. However, we cannot guarantee their condition, and will return only those that may be useable.
4. To order new bushings installed, you **must** include the **micrometer** reading of your balance and/or front rail pins.
5. For new keybuttons, you **must** also ship the key frame.



KEYBOARD MANUFACTURING

REPLACEMENT KEYBOARDS

Pianotek Supply Company can manufacture replacement keyboards for your grand or upright piano.

Many rebuilders find it easier to replace the whole keyboard, rather than re-weigh and repair badly damaged keys.

Your replacement keyboard will include new keytops and fronts (white acrylic), sharps (ebony or plastic), capstans installed, new balance rail with pins, front rail inlay with new pins, bushings, and holes drill for backchecks. Upright keyboards include an entire new keyframe.

We manufacture these keyboards at our facility, and maintain high manufacturing standards for a product that is highly finished and easy to install.

Ordering requires your shipment of old keyframe, keys #1, 2, & 88, as well as a scale stick. Please phone for price quote and detailed instructions before sending materials.

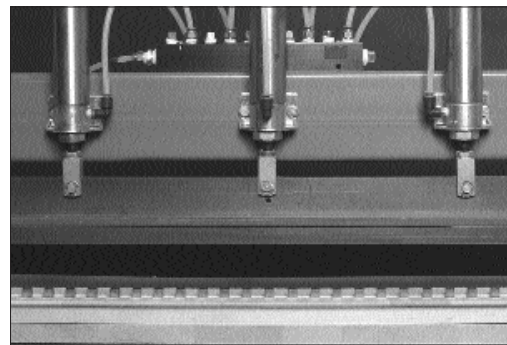
ADDITIONAL KEYBOARD SERVICES

Complete grand action rebuilding services, including action geometry correction, parts selection, touchweight analysis, and key leading. Available on new replacement keyboards or on existing keyboards.

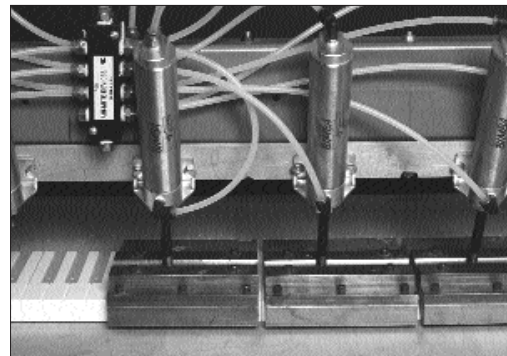
Please phone for details.



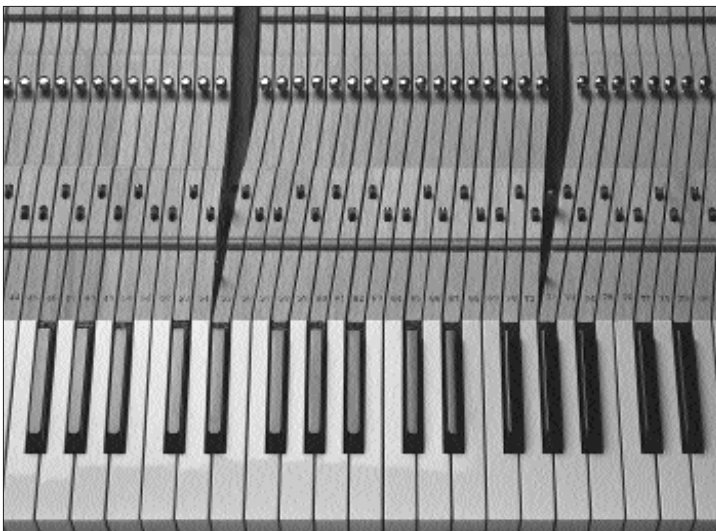
New balance rail. Front rail inlay.



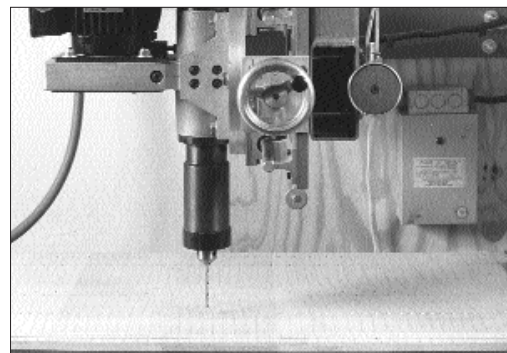
Automated heat press for key bushings.



Keytop installation with pneumatic press.



Completed keyboard.



Specialized auto-feed drilling equipment.

DAMPER FELT

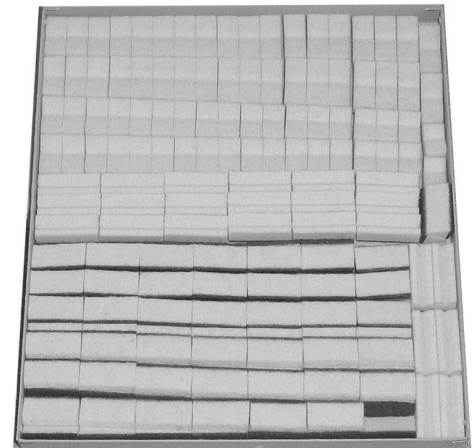
TOKIWA GRAND DAMPER FELT SET

Our very popular universal set contains enough pre-cut damper felt for virtually any grand piano. Felt is high quality, firm Japanese damper felt, sharply cut into pieces, red-backed and ready to install.

Singles measure 1/2" high x 13/32" wide x 1" long. Doubles and trichords are identical, except the length is 1 1/8". Flats taper from 1 1/8" to 3/4", and are precision-stitched for extra damping power.

Fits any grand with 20 to 33 bass.

#FDJ-5W Tokiwa Grand Damper Felt Set



JAPANESE GRAND DAMPER FELT STRIPS

Bass Grand Damper Felt Strips

Firm, high quality damper felt from Japan. In 20" strips, 13/32" wide x 7/16" high. Unbacked.

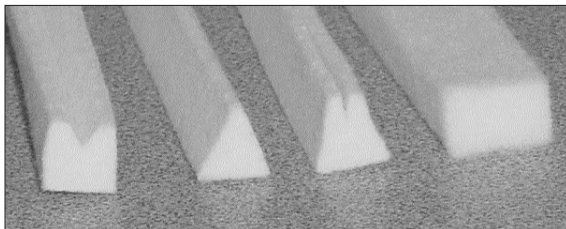
- #FDJ-G1 Grand Damper Felt Strip, Single
- #FDJ-G2 Grand Damper Felt Strip, Double
- #FDJ-G3 Grand Damper Felt Strip, Trichord



Treble Grand Damper Felt Strips

Approximately 18 1/2" long, 3/8" high, tapered from 1" to 5/8" wide. Unbacked.

- #FDJ-GT Grand Treble Felt Strip
- #FDJ-GTC Grand Treble Felt Strip, Cut



JAPANESE UPRIGHT DAMPER FELT STRIPS

Bass Upright Damper Felt Strips

High quality Japanese damper felt. In 20" strips, 3/8" wide x 7/16" high. Unbacked.

- #FDJ-U1 Upright Damper Felt Strip, Single
- #FDJ-U2 Upright Damper Felt Strip, Double
- #FDJ-U3 Upright Damper Felt Strip, Trichord



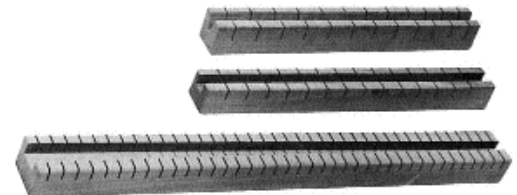
Treble Upright Damper Felt Strips

Upright treble damper felt strips, approximately 18 1/2" long, 3/8" high, tapered from 11/16" to 1/2" wide. Unbacked.

- #FDJ-UT Upright Treble Felt Strip
- #FDJ-UTC Upright Treble Felt Strip, Cut

DAMPER FELT CUTTING BLOCKS

Grand set includes 4 hardwood blocks for custom cutting. Upright set (shown) has 3.



- #DCB-G4 Grand Damper Felt Cutting Blocks
- #DCB-U3 Upright Damper Felt Cutting Blocks

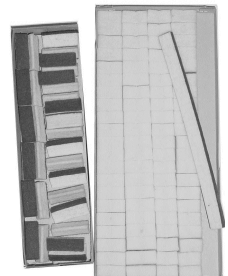
GRAND DAMPER FELT SETS

Bass Set: European felt, red-backed. 30 single and 30 double wedges, 1 1/4" long.

#FDL-GBS1 Grand Bass Damper Felt Set

Treble Set: European felt, 7/16" thick, red-backed. Stitched center, tapered from 1/2" to 11/16" wide. 84 pieces plus a strip of trichord felt.

#FDL-GTS1 Grand Treble Damper Felt Set



UPRIGHT DAMPER FELT SETS

Bass Set: European felt, red backing. 30 single and 36 double wedges, 15/16" long.

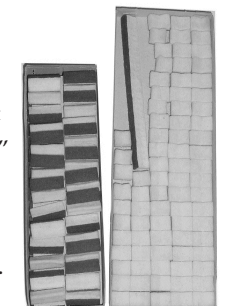
#FDL-UBS1

Upright Bass Damper Felt Set

Treble Set: European felt, 3/8" thick, red backing. Stitched center, tapered from 1/2" to 11/16". Includes 84 pieces, plus a 8 1/2" strip of trichord felt.

#FDL-UTS1

Upright Treble Damper Felt Set



CLOTH & FELT

HIGHEST QUALITY BUSHING CLOTH

Highest quality bushing cloths, scarlet with distinctive white center.

ENGLISH BUSHING CLOTH

		<i>Approx. Thickness*</i>
# BU-1	Thin Bushing Cloth	.033" / .85mm
# BU-2	Med. Thin Bushing Cloth	.039" / 1.0mm
# BU-3	Medium Bushing Cloth	.050" / 1.3mm
# BU-4	Medium Thick Bushing Cloth	.059" / 1.5mm
# BU-5	Thick Bushing Cloth	.069" / 1.8mm

CHAS. HOUSE BUSHING CLOTH

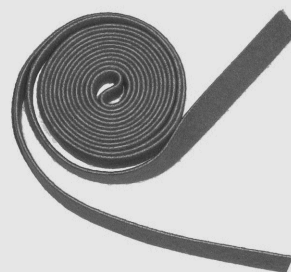
		<i>Approx. Thickness*</i>
# BU-6	Thin Bushing Cloth	.043" / 1.1mm
# BU-7	Med. Thin Bushing Cloth	.047" / 1.2mm
# BU-8	Medium Bushing Cloth	.053" / 1.3mm
# BU-9	Medium Thick Bushing Cloth	.055" / 1.4mm
# BU-10	Thick Bushing Cloth	.061" / 1.6mm



*Sold by lineal yard, 54" wide,
1/4 yard minimum.*

*Or, in 11/32" wide strips, 54" long,
ready to use.*

**Thicknesses are approximate.*



STRINGING CLOTH

Scarlet or blue cloth used on the plate, under the strings. By the lineal yard (1/4 yard minimum), or in strips of 3" x 18".



- # FST-1 Scarlet Stringing Cloth (58" wide)
- # FST-2 Blue Stringing Cloth (72" wide)

STRINGING BRAID

Scarlet or blue cotton stringing braid for muting non-speaking portions of bass and tenor strings. In 6-yard roll or economical 54-yard roll.

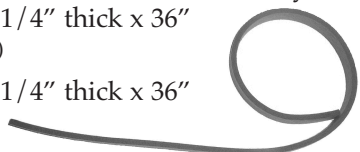


- # FBD-1 Scarlet Stringing Braid 54-yard roll
- # FBD-1/6 Scarlet Stringing Braid 6-yard roll
- # FBD-2 Blue Stringing Braid 54-yard roll
- # FBD-2/6 Blue Stringing Braid 6-yard roll

KEY END FELT (Grand Damper Lifter Felt)

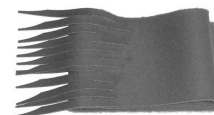
Extra high quality, firm scarlet felt for ends of keys.

- # FKE-1S 7/8" wide x 1/4" thick x 36" (Steinway style)
- # FKE-2A 5/8" wide x 1/4" thick x 36"



FLANGE BUSHING CLOTH

Scarlet flange bushing cloth. By the lineal yard (1/4 yard minimum), or in 18" long roll of a dozen strips to be torn off.



- # BU-7F12 Flange Bushing Cloth Roll of 12 strips
- # BU-7F Flange Bushing Cloth (54" wide)

Tek TIP Flange bushing cloth should be torn so that the fibers will meet and fill in gaps. Key bushing strips should be cut for a clean edge.

STEINWAY STYLE BELLYMEN FELT

Strip of 1" wide firm felt, 54" long. Medium thickness (1/4"). Extra high quality, firm scarlet felt.



- # FBM-1S Bellymen Felt

PRESSURE BAR FELT (Understring Felt)

Firm scarlet felt to use under pressure bars.

- # FPB-1S 5/8" wide x 1/4" thick x 27" long
- # FPB-2A 1/2" wide x 1/4" thick x 27" long
- # FPB-3A 1/2" wide x 1/4" thick x 54" long
- # FPB-X By lineal yard, 54" wide



BACKRAIL CLOTH (Key Cloth)

High quality woven backrail cloth. Dark green. For lining backrail of key frame. Sold by lineal yard (1/4 yard minimum), or in individual 52" strips, in widths shown. Also available by dozen strips.



.145" (3.5mm) thickness

- #FBR-145A 1" wide strip
- #FBR-145B 1½" wide strip
- #FBR-145C 2" wide strip
- #FBR-145D 2½" wide strip
- #FBR-145X By the lineal yard (65" wide)

.165" (4mm) thickness

- #FBR-165A 1" wide strip
- #FBR-165B 1½" wide strip
- #FBR-165C 2" wide strip
- #FBR-165D 2½" wide strip
- #FBR-165X By the lineal yard (65" wide)

.185" (4.5mm) thickness

- #FBR-185A 1" wide strip
- #FBR-185B 1½" wide strip
- #FBR-185C 2" wide strip
- #FBR-185D 2½" wide strip
- #FBR-185X By the lineal yard (65" wide)

.215" (5mm) thickness

- #FBR-215A 1" wide strip
- #FBR-215B 1½" wide strip
- #FBR-215C 2" wide strip
- #FBR-215D 2½" wide strip
- #FBR-215E 2¾" wide strip
- #FBR-215X By the lineal yard (65" wide)

.235" (6mm) thickness

- #FBR-235C 2" wide strip
- #FBR-235D 2½" wide strip
- #FBR-235E 2¾" wide strip
- #FBR-235X By the lineal yard (65" wide)

Tek TIP 1/4 yard means a 9" piece cut from the bolt. For example, if the cloth measures 54" wide, a 1/4 yard piece would be 9" x 54".

PEAR GREEN BACKRAIL CLOTH

(Key Cloth — Steinway Style)

Special, high quality, pear green (medium green) backrail cloth.



.235" (6mm) thickness

- #FBR-6PE 2¾" wide x 52" long strip
- #FBR-6PE/2 2½" wide x 52" long strip
- #FBR-6PE/4 2¾" wide x 52" long strip
- #FBR-6PX By the lineal yard (45" wide)

SCARLET BACKRAIL LINING FELT

Soft scarlet felt for use under the backrail cloth, such as used on Steinway grands.

- #FNB-BL2 1½" wide x 52" long
- #FNB-2Y By the lineal yard (72" wide)



HAMMER RAIL CLOTH

Dark green cloth, medium thickness. In 54" strips to fit grands, uprights, or spinets. Also available in bulk, by lineal yard.

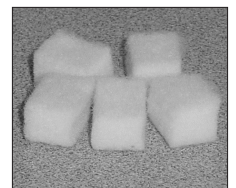


- #FHR-1 By lineal yard. 1/4 yard minimum.
- #FHR-2 5/8" wide x 54", for grands
- #FHR-3 1¼" wide x 54", for uprights
- #FHR-4 1" wide x 54", for consoles & spinets

GRAND SHANK REST FELT

Soft white felt. Set of 90 pieces.

- #FGS-1695
5/8" long x 3/8" thick x 3/8" wide
- #FGS-1612
5/8" long x 1/2" thick x 3/8" wide



DAMPER GUIDE RAIL BUSHING CLOTH

Scarlet cloth .080" thick. For bushing damper guide rails. 65" wide. (1/4 yard minimum.)

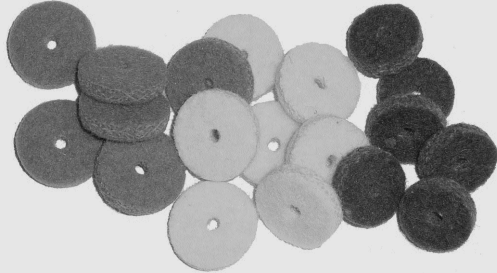
- #FGR-80
Damper Guide Rail Cloth



CLOTH & PAPER PUNCHINGS

CLOTH PUNCHINGS

FRONT RAIL PUNCHINGS



Pear Green Cloth 7/8" diameter

Highest quality pear green cloth.		<i>Approx. Thickness</i>
#PU-7	Pear Green Front Rail	.196" / 5.0mm
#PU-8	Pear Green Front Rail	.215" / 5.5mm
#PU-9	Pear Green Front Rail	.227" / 5.8mm
#PU-10	Pear Green Front Rail	.236" / 6.0mm

White Cloth 7/8" diameter

Very high quality white cloth.		<i>Approx. Thickness</i>
#PU-6	White Front Rail	.201" / 5.1mm

Dark Green Cloth 3/4" diameter

Dark green cloth punchings.		<i>Approx. Thickness</i>
#PU-2D	Dark Green Front Rail	.165" / 4.2mm
#PU-3D	Dark Green Front Rail	.185" / 4.7mm
#PU-4D	Dark Green Front Rail	.215" / 5.5mm

Pear Green Cloth 3/4" diameter

Highest quality pear green cloth.		<i>Approx. Thickness</i>
#PU-5	Pear Green Front Rail	.227" / 5.8mm

BALANCE RAIL PUNCHINGS



White Cloth 1/2" diameter

High quality white cloth.		<i>Approx. Thickness</i>
#PX-1W	Thin Balance Rail	.040" / 1.0mm
#PX-2W	Med. Thin Balance Rail	.055" / 1.4mm
#PX-3W	Medium Balance Rail	.070" / 1.8mm
#PX-4W	Med. Thick Balance Rail	.090" / 2.3mm
#PX-5W	Thick Balance Rail	.110" / 2.8mm

Scarlet Bushing Cloth Punchings 1/2" diameter

#PX-6R	Scarlet Balance Rail	.055" / 1.4mm
--------	----------------------	---------------

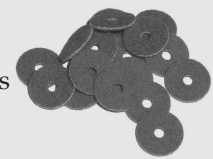
REGULATING PUNCHINGS

	<i>Color</i>	<i>Diameter</i>	<i>Approx. Thickness</i>
#PR-F4S	White	7/16"	.090"
#PR-F5S	White	7/16"	.140"
#PR-F6	Green	3/8"	.090"
#PR-F7	Brown	5/16"	.140"
#PR-F8	Brown	7/16"	.140"



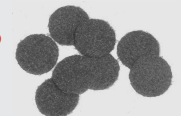
HITCH PIN PUNCHINGS

#PH-1	Scarlet Hitch Pin Punchings
#PH-2	Blue Hitch Pin Punchings



BUTT SPRING PUNCHINGS

#PM-1B	3/8" Scarlet Punchings
--------	------------------------



PAPER PUNCHINGS

PAPER FRONT RAIL PUNCHINGS

	<i>Front Rail Punchings</i>	<i>Diameter</i>	<i>Approx. Thickness</i>
#PF-1	Thinnest Paper	White	.003" / .08mm
#PF-2	Thin Paper	Green	.005" / .13mm
#PF-3	Medium Paper	Pink	.007" / .18mm
#PF-4	Thick Paper	Blue	.010" / .26mm
#PF-5	Thin Card	Brown	.015" / .38mm
#PF-6	Medium Card	Brown	.025" / .64mm
#PF-7	Med. Thick Card	Brown	.040" / 1.0mm
#PF-8	Thick Card	Brown	.060" / 1.5mm

PAPER BALANCE RAIL PUNCHINGS

	<i>Balance Rail Punchings</i>	<i>Diameter</i>	<i>Approx. Thickness</i>
#PB-1	Thinnest Paper	White	.001" / .03mm
#PB-1B	Very Thin Paper	Tan	.002" / .05mm
#PB-2	Thinner Paper	White	.003" / .08mm
#PB-3	Thin Paper	Green	.005" / .13mm
#PB-4	Medium Paper	Pink	.007" / .18mm
#PB-5	Thick Paper	Blue	.010" / .26mm
#PB-6	Thin Card	Brown	.015" / .38mm
#PB-7	Medium Card	Brown	.025" / .64mm
#PB-8	Thick Card	Brown	.045" / 1.1mm

NAMEBOARD FELT

Quality nameboard felt. Strips are 52" long x 5/8" wide.

Individual Strips — Medium Thickness

- # FNB-1A Scarlet
- # FNB-1B Black
- # FNB-1C Blue
- # FNB-1D Brown



By Lineal Yard — Medium Thickness

- # FNB-1AY Scarlet
- # FNB-1BY Black

THICK NAMEBOARD FELT

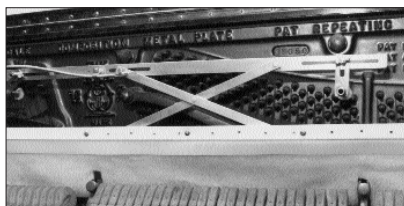
Scarlet nameboard felt, approximately .059" (1.5mm) thick.

- # FNB-2 Thick Scarlet strip
- # FNB-2Y Thick Scarlet by lineal yard (72" wide)



QUIET KEYS UNIVERSAL MUTE

Completely internal muffler rail for verticals. High quality retro-fit mute easily mounts over 2 tuning pins. Pre-assembled, with all needed hardware, including on/off cable.



QK Quiet Keys Muffler

MUFFLER FELT

High quality soft white felt. Set of 3 pieces, each 19 1/2" long. One each of these thicknesses: .037", .055", .075"



- # FMF-1 Muffler Felt Set

HAMMER BUTT FELT

Scarlet butt felt. 35" strips, 5/16" wide.

- # FHB-2 Hammer Butt Felt



DAMPER FLANGE CORD

30-yard roll.

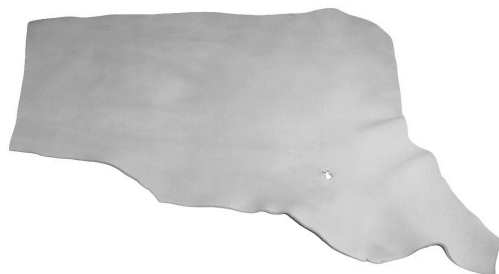
- # FCD-2 Damper Flange Cord



BUCKSKIN

Genuine buckskin sold by the square foot. Minimum 1 square foot. (Pieces will be irregular in shape.)

- # FBK-1 Buckskin for Grand Backchecks approx. .090" (2.3mm) thick. Gold.
- # FBK-2 Buckskin for Butts & Catchers approx. .075" (1.8mm) thick. Gold.
- # FBK-3 Buckskin for Knuckles approx. .060" (1.5mm) thick. Tan.
- # FBK-4 Buckskin for Key Bushing approx. .052" (1.4mm) thick. Gold.



UPRIGHT BACKCHECK FELT

Dark green dense felt. 1 1/2" x 36" strips. One strip is enough for one set of backchecks. (May also be used as key end felt.)

- # FBC-1 Upright Backcheck Felt



ACTION CLOTH

Densely woven cloths used on wippens, damper levers, etc.



Approx. Thickness

- # FCA-1R Thin Scarlet Action Cloth .065"
- # FCA-2W Medium White Action Cloth .090"
- # FCA-3W Med. Thick White Action Cloth .110"
- # FCA-4G Thick Dark Green Action Cloth .120"
- # FCA-5W Thick White Action Cloth .126"

Specify 3/8" wide or 1" wide strips.
Also available by lineal yard.

SILK ACTION CORD

For use on some styles of repetition springs, wippen flanges, butt flanges, etc. 30-yard roll.

- # FCD-1 White Action Cord
- # FCD-1G Green Action Cord



CASTERS

Elegant solid brass casters for grand pianos.
Sockets included.

CRB-25 **BRASS GRAND CASTER**
Wheel width: 1"
Wheel diameter: 2"
Socket: 7/8" x 1 1/2" stem x 2" plate



CRB-26 **BRASS GRAND CASTER**
Wheel width: 1 1/2"
Wheel diameter: 1 7/8"
Socket: 13/16" x 2 1/4" stem x 2" plate

CRB-27 **BRASS GRAND CASTER**
Wheel width: 2 3/8"
Wheel diameter: 1 7/8"
Socket: 13/16" x 2 1/4" stem x 2" plate

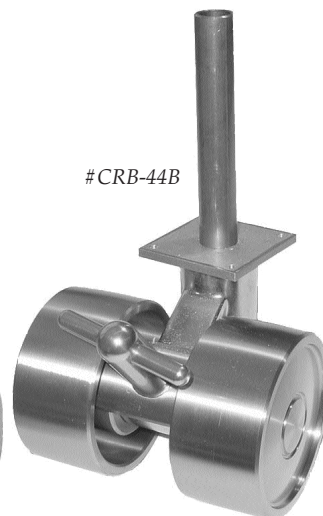
CRB-35 **BRASS GRAND CASTER for YAMAHA**
Wheel width: 1 1/8"
Wheel diameter: 1 3/4"
Socket: 13/16" x 1 1/2" stem x 1 1/4" plate



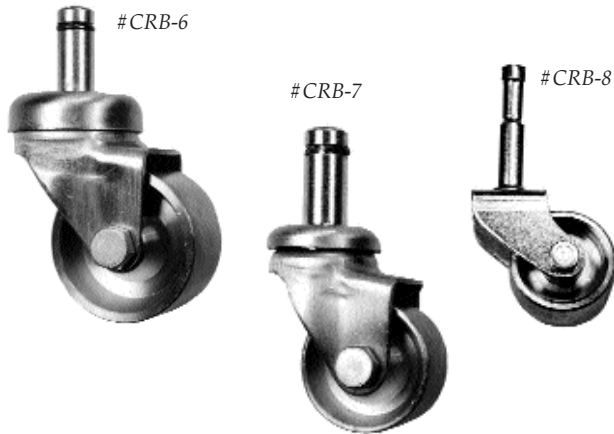
CRB-40 **BRASS GRAND CASTER**
Wheel width: 2 3/8"
Wheel diameter: 1 7/8"
Socket: 1 1/8" x 2 1/4" stem x 2 3/8" plate

CRB-44A **BRASS CONCERT GRAND CASTER**
CRB-44B **BRASS CONCERT GRAND CASTER with BRAKE**
Total width: 5 3/8"
Wheel diameter: 3 3/4"
Socket: 13/16" x 4 3/4" stem x 2" square plate

CRB-46A **BRASS CONCERT GRAND CASTER**
CRB-46B **BRASS CONCERT GRAND CASTER with BRAKE**
Total width: 3 3/8"
Wheel diameter: 3 1/2"
Socket: 1 1/8" x 2 1/4" stem x 2 3/8" plate



#CRB-44 & #CRB-46 require shorter legs.



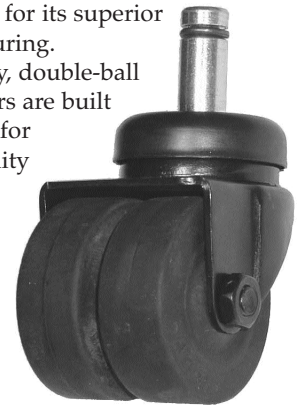
- #CRB-6 Darnell Steinway-Style Brass Caster**
 Wheel width: 1"
 Wheel diameter: 2"
 Socket: 15/16" x 1 3/8" stem x 2 1/4"
- #CRB-7 Darnell Small Brass Caster**
 Wheel width: 3/4"
 Wheel diameter: 1 1/2"
 Socket: 15/16" x 1 3/8" stem x 2 1/4"
- #CRB-8 Brass Spinet Caster**
 Wheel width: 11/16"
 Wheel diameter: 1 1/4"
 Socket: 1/2" x 1 1/2" stem x 5/8"

DARNELL CASTERS

Industrial quality, ball bearing casters for easy moving.

Darnell has long been known for its superior standards of caster manufacturing. Featuring an extra heavy-duty, double-ball bearing system, Darnell casters are built to sustain heavy use. Perfect for schools, churches, or any facility that moves pianos frequently. Suitable for grands or uprights.

Sold individually, so please specify total number of casters. A steel socket will be included with each caster — please specify round (15/16" x 1 3/8" stem x 2 1/4" plate) or square (15/16" x 1 3/8" stem x 1 3/4").



DARNELL DUAL-WHEEL STEM CASTERS

Wheels measure 2" in diameter, each wheel 3/4" wide. Semi-resilient, corded neoprene wheels sustain heavy wear, but will not damage tile or wood floors. Heavy-duty, double-ball bearing system. Load capacity 200 lbs. per caster. Steel housing available in 2 beautiful finishes — either will provide an attractive complement to grands or uprights.

- #CRD-K40B Black Oxidized Finish Caster**
#CRD-K40A Bright Brass-Plated Finish Caster

FAULTLESS CASTERS

Excellent quality casters built by the world's largest supplier of casters to the office & household furniture industries.

These dual-wheel casters are ideal for pianos. High load capacity is combined with excellent mobility. Full double-ball bearing construction ensures easy swiveling & long life. All casters sold individually, so please specify total number of casters. Round steel sockets (5/8" x 1 1/2" x 2 5/8") included.

DUAL-WHEEL STEM CASTER — Copper Finish

Black rubberex wheels, 2" diameter, each wheel measuring 7/8" wide. Load capacity 160 lbs. per caster. Full double-ball bearing construction. Steel housing has copper oxidized finish.

#CRF-W479N Copper Oxidized Finish Stem Caster

DUAL-WHEEL STEM CASTER — Black Finish

Black rockite wheels, 2" diameter, each wheel measuring 7/8" wide. Load capacity 200 lbs. per caster. Full, double-ball bearing construction. Steel housing has black finish.

#CRF-W729B Black Finish Stem Caster



CASTER BUSHINGS

Hardwood bushings to fill existing hole when replacing casters. 1 1/2" high x 7/8" OD x 9/16" ID.

#CRF-20B Caster Bushings



DUAL-WHEEL PLATE CASTER

Black rubberex wheels, 2" diameter, each wheel measuring 7/8" wide. Load capacity 160 lbs. per caster. Full, double-ball bearing construction. Top plate measures 2 5/8" x 3 3/8". Bolt holes are spaced 1 3/4" apart x 3" apart. (Shown above right.)

#CRF-P479 Plate Style Caster

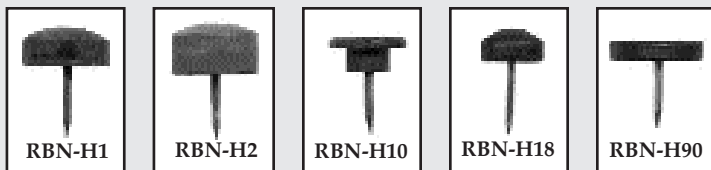
BUTTONS & HARDWARE

RUBBER BUTTONS

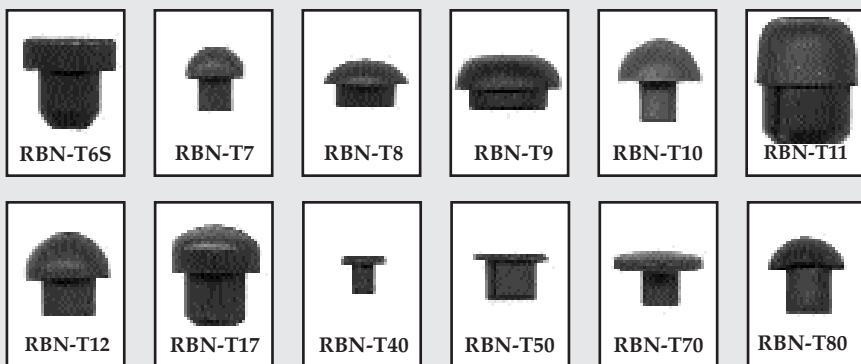
Shown actual size.

Available in black or brown rubber. Specify color by adding a letter after part number: "A" for black, "B" for brown. All buttons shown actual size.

Rubber Head Nails



Stem Rubber Buttons



Self-Adhesive Buttons

7/16" diameter, 3/16" high

- # RBN-S1A Black
- # RBN-S1B Brown
- # RBN-S1C Clear



Full sheet of 56 buttons,
or 1/2-sheet of 28 buttons.

BUTTON ASSORTMENT KIT

Be prepared for any situation! Kit contains 5 each of all sizes (except RBN-T11) in both black and brown — plus 7 each of black, brown, and clear self-adhesive buttons. Neatly stored in our Mighty-Tuff 17-compartment organizer.



RBN-17K
Button Assortment Kit

BRASS FALLBOARD KNOB

5/8" diameter brass knob with wood screw.

- # RH-65B Brass Fallboard Knob



WOOD FALLBOARD KNOBS

Wood fallboard knobs with screw end.

- # RH-66U Unfinished
- # RH-66W Walnut Finish
- # RH-66M Brown Mahogany Finish



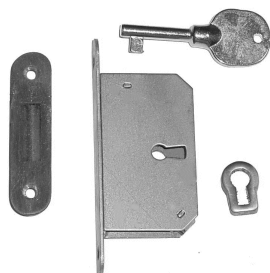
UPRIGHT LOCK & KEY

- # RH-62U

Upright Lock & Key

- # RH-62UK

Upright Key only



LOCK ESCUTCHEON

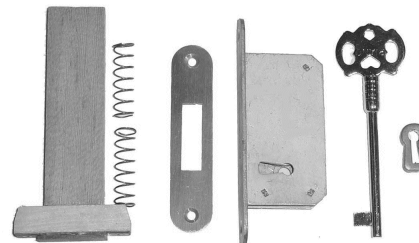
Designed to fit Steinway, some Mason & Hamlin, some Kimball grands.

Available only in raw brass, ready for custom polishing or plating.

- # LE Lock Escutcheon



GRAND LOCK & KEY



- # RH-61G

Grand Lock Assembly & Key

- # RH-61GK

Grand Key only

GRAND PEDALS

GRAND PEDALS

(Baldwin, etc.)

Set of 3

Overall length: 9"

Pin to Rod Center: 2 $\frac{3}{4}$ "

Satin Brass

RH-23S Grand Pedals



GRAND PEDALS

(Baldwin, etc.)

Set of 3

Overall length: 9"

Pin to Rod Center: 2 $\frac{3}{4}$ "

Polished Brass

RH-23P Grand Pedals



GRAND PEDALS

(Mason & Hamlin, etc.)

Set of 3

Overall length: 8 $\frac{1}{4}$ "

Pin to Rod Center: 2 $\frac{1}{4}$ "

Satin Brass

RH-22S Grand Pedals



GRAND PEDALS

(Asian pianos, etc.)

Set of 3

Overall length: 8 $\frac{1}{2}$ "

Pin to Rod Center: 3 $\frac{1}{4}$ "

Polished Brass

RH-26P Grand Pedals



UPRIGHT PEDALS

UPRIGHT PEDALS

Set of 3

Overall length: 8 $\frac{1}{2}$ "

Pin to Horn Back: 4 $\frac{3}{4}$ "

Satin Brass

RH-12S Upright Pedals



UPRIGHT PEDALS

(New pianos, including Steinway K & 45", etc.)

Set of 3

Overall length: 9"

Pin to Horn Back: 4 $\frac{3}{4}$ "

Satin Brass

RH-19S Upright Pedals



UPRIGHT PEDALS

(Asian pianos, etc.)

Set of 3

Overall length: 8 $\frac{3}{4}$ "

Pin to Horn Back: 5"

Polished Brass

RH-15P Upright Pedals



PEDAL MOUNT

With nylon bushing. Set of 3.

RH-78T Pedal Mount Set



PEDAL & LEG HARDWARE

ADJUSTABLE GRAND PEDAL RODS

For Steinway and others. Knurled lock nut. No wrench needed to adjust height. 1/4" diameter rod. Set of 3. *(Shown on left.)*

Satin brass. Adjust from 20 5/8" to 21 3/8".

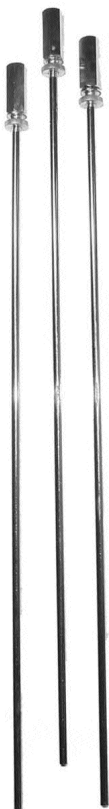
RH-81AB

Brass Adjustable Pedal Rods

Nickel-plated. Adjust from 19 3/4" to 20 5/8".

RH-81AN

Nickel Adjustable Pedal Rods



ADJUSTABLE GRAND PEDAL RODS

For Mason & Hamlin and others. Brass. 3/8" diameter rod. Set of 3. *(Shown on right.)*

RH-85MH **Brass Adjustable Pedal Rods**

TRAP SPRINGS

Blued steel. 4" in length. Steinway style.

RH-8705 **Trap Spring**



Norris Springs in 4 sizes.

RH-7601 7/8"

RH-7602 1 3/8"

RH-7603 1 7/8"

RH-7604 3 1/2"



Pelican style trap spring.
RH-7616 **Trap Spring**

Monkey spring. Blued steel.

5 1/16" long.

RH-8865 **Monkey Spring**



GRAND PEDAL LYRE BRACES

Satin brass pedal lyre braces in two lengths. Set of 2.

21" lyre braces.

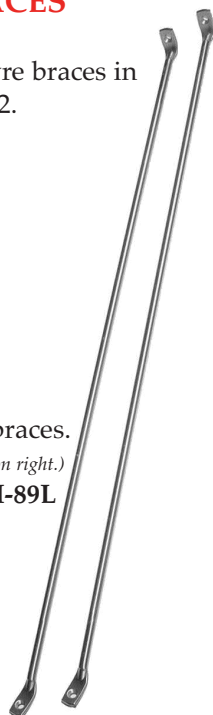
(Shown on left.)

RH-88L

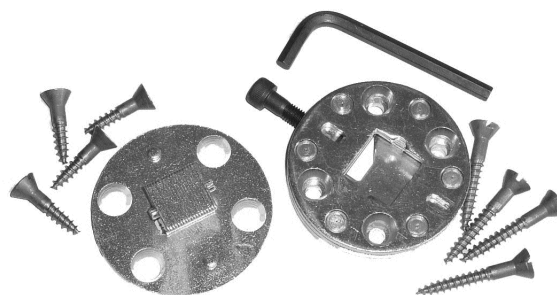
23" lyre braces.

(Shown on right.)

RH-89L



DELUXE GRAND LEG PLATES



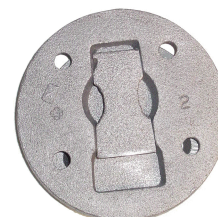
Replaces old style wooden swivel lock block. Spring-loaded for solid locking. Kit for 3 legs includes two 3 5/8" pieces per leg, screws, and hex wrench.

RH-71LP **Deluxe Grand Leg Plates**

GRAND LEG PLATES

Cast iron leg plates. Two pieces per leg: one at 3 1/2" diameter, one 4 3/8" diameter. Set includes 3 pairs.

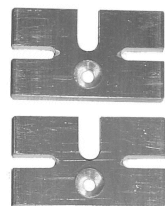
RH-72LP **Leg Plates**



FALLBOARD PIVOTS

Set includes 2 pairs of pivots for mounting grand fallboards. Easy-to-use, lift-out style.

#RH-5901 Fallboard Pivots



CHEEKBLOCK PLATES

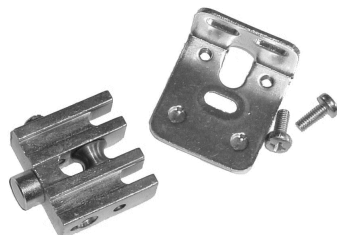
One pair of slotted, brass cheekblock plates. (Shown on left.)

#RH-5902 Cheekblock Plates

DELUXE CHEEK-BLOCK PLATES

Features roller bearing for easier pedal shifting. Fine-adjusts forward & back by turning screw. Also adjusts height. 4-piece set.

#RH-5903 Deluxe Cheekblock Plates



CHEEKBLOCK SCREWS

Pair of large cheekblock screws with hinged head that folds flush. Black oxide finish. 4" long.

#RH-5904 Cheekblock Screws

TRAY HINGES

Pair of brass hinges for folding music desk tray on some uprights.

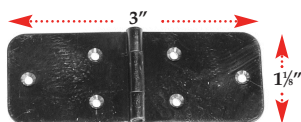
#RH-5905 Tray Hinges



GRAND DESK HINGE

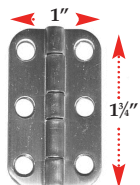
Polished brass hinge for grand music desk.

#RH-5906 Desk Hinge



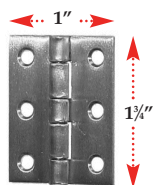
BUTT HINGES

Brass hinges for music desk, lid prop, etc. Satin finish, except where noted.

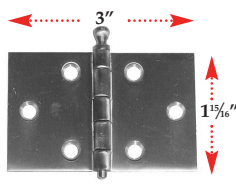


#RH-5034 Satin

#RH-5035 Polished



#RH-5038

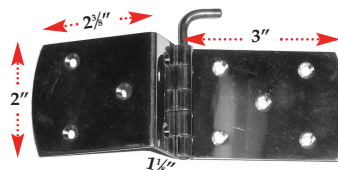
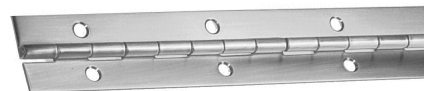


#RH-5255

LONG HINGE

60" continuous hinge in satin brass, for folding back short lid on grands. Opens 1/16" wide.

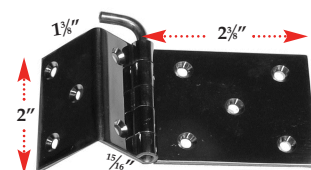
#RH-5306 Long Hinge



LID HINGE

Angled polished brass lid hinge, as used on Yamaha C3, G3, etc.

#RH-581Y Lid Hinge



LID HINGE

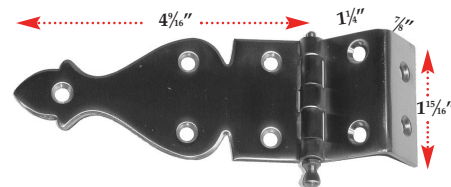
Angled brass lid hinge, Yamaha G1/G2-style. Polished finish.

#RH-582Y Lid Hinge

LID HINGE

Steinway-style, satin brass lid hinge.

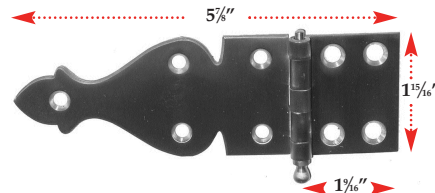
#RH-5055



LID HINGE

Steinway-style, satin brass lid hinge, flat 4-hole.

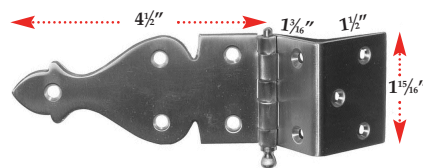
#RH-5062



LID HINGE

Satin brass grand lid hinge, with angled butt.

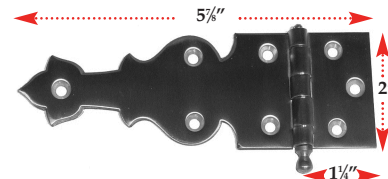
#RH-5100



LID HINGE

Satin brass grand lid hinge, flat 3-hole.

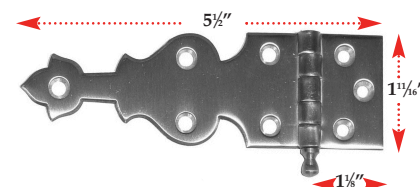
#RH-5152



LID HINGE

Smaller satin brass grand lid hinge.

#RH-5227



CASE HARDWARE

BRASS SCREWS

Oval head, slotted. For long hinge, etc.

RH-4B34 # 4 x 3/4"

RH-4B10 # 4 x 1"

Flat head, slotted.

RH-8B12F # 8 x 1/2"

RH-8B58F # 8 x 5/8"

RH-10B34F # 10 x 3/4"

RH-10B1F # 10 x 1"



STEEL SCREWS

Round head, slotted. For action stack, etc. Zinc finish.

RH-10ST1R # 10 x 1"

Flat head, slotted. For soundboard buttons. Zinc finish.

RH-10ST1F # 10 x 1"

Steinway-style slotted action screws. Cut threads. Zinc finish.

GCA-22 Action Screws

GRAND DESK SUPPORT HINGE



Heavy brass. Four hinged sections for supporting grand music desk. Measures 9" long x 1" wide.

RH-5052 Grand Desk Support Hinge

GRAND LID SUPPORT CUPS



Satin brass. 1 1/2" diameter.

RH-4099 Lid Cup



Polished brass. 1 1/2" o.d.

RH-4888 Lid Cup

GRAND LID SUPPORT HINGE

For use on some styles of grand lid support sticks. Polished brass.

RH-5803 Grand Lid Support Hinge



UPRIGHT LID SUPPORT

4" satin brass lid support for uprights. With rubber end cap.



TREBLE TONE RESONATORS

Designed for grand pianos that have a demonstrated need for additional belly rail support in the melody section of the piano.



Pianos that typically benefit from this are those possessing a treble bell, absent a support beam from the rim to the belly rail in the treble section.

By adjusting the turnbuckle weldment that is attached to the rim of the piano on one end, and the belly rail on the other, support is more evenly distributed along the length of the belly rail. This complements the radial beam design found in many pianos, enhancing projection, power, and clarity of tone.

- CNC high definition plasma cut steel welded construction.
- Drop forge turnbuckle.
- Black powder-coated finish.
- All hardware included.

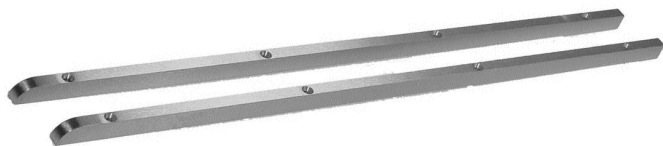
RH-4TR Treble Tone Resonator

(Specify make & model.)

RH-4TRL Treble Tone Resonator, Large

(For concert grands.)

GRAND MUSIC DESK SLIDES



Brass slides for grand music desk. 14" long.

RH-4357 Grand Music Desk Slides

FALLBOARD SPRING

Blued steel. 1 1/4" long.

RH-8851 Steinway Fallboard Spring



KEYFRAME SPRING

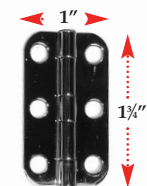
Blued steel. 8 1/4" x 1 3/4".

RH-4078 Keyframe Spring



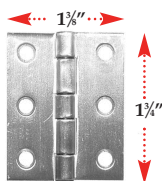
BUTT HINGE

For music desk, etc.
High polish nickel finish.
#RH-5035N **Butt Hinge**, nickel



BUTT HINGE

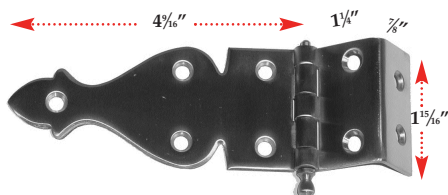
For music desk, etc.
Satin brass finish.
#RH-5038S **Butt Hinge**, brass



See more brass hinges on page A-47.

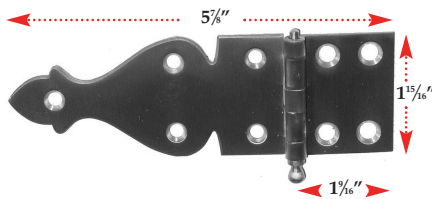
LID HINGE

Steinway-style,
high polish nickel
lid hinge.
#RH-5055N
Lid Hinge, nickel



LID HINGE

Steinway-style,
high polish nickel
lid hinge.
Flat 4-hole.
#RH-5062N
Lid Hinge, nickel



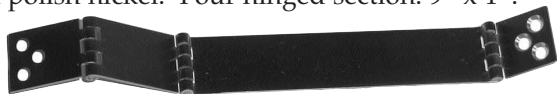
HINGE PINS

Asian, .170" x 2 7/16", brass.
#RH-58YP **L-Hinge Pin**
Ball end, .150" x 2 1/2", nickel.
#RH-5P8N **Ball Hinge Pin**
Ball end, .150" x 2 1/2", brass.
#RH-5P8B **Ball Hinge Pin**
.141" x 2 3/8", brass.
#RH-5P9B **L-Hinge Pin**



GRAND DESK SUPPORT HINGE

High polish nickel. Four hinged section. 9" x 1".



#RH-5052N **Grand Desk Support Hinge**, nickel

STEINWAY STYLE SECTIONAL HINGES

Individual 4" and 5"
sections for customized
fitting. Also available
as 54 1/2" long sectional
hinge with 60" rod.
Available in satin brass
or high polish nickel.



#RH-5385S5 5" Brass Hinge Section
#RH-5385S4 4" Brass Hinge Section
#RH-5385NS5 5" Nickel Hinge Section
#RH-5385NS4 4" Nickel Hinge Section



#RH-5385 54 1/2" Long Sectional Hinge, brass
#RH-5385N 54 1/2" Long Sectional Hinge, nickel

LONG HINGE

60" continuous hinge
in high polish nickel.
Opens 1 1/16" wide. For
folding back short lid
on grands. Also available in satin brass.



#RH-5306 **Long Hinge**, brass
#RH-5306N **Long Hinge**, nickel

BRASS GRAND LID PROP

Satin brass, short hinged lid prop. 9 7/16" overall.



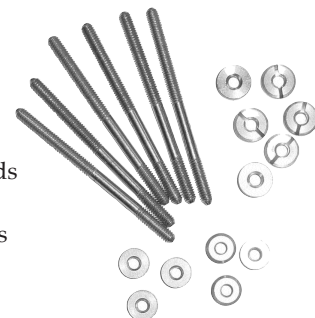
#RH-4408 **Brass Grand Lid Prop**

GRAND KEYSTOP RAIL HARDWARE

Improves look and
functionality of grand
keystop rail.

Set includes 6 each of:

2 1/2" Rod, threaded at both ends
3/8" Round Brass Prop Nuts
7/16" Slotted Brass Prop Nuts



#RH-60KS
Keystop Rail Hardware Kit

SCREWS

Slotted screws for hinges and other case hardware.

BRASS SCREWS

- # RH-2B38F # 2 x 3/8" Flat Brass Screw
- # RH-2B12F # 2 x 1/2" Flat Brass Screw
- # RH-4B38F # 4 x 3/8" Flat Brass Screw
- # RH-4B12F # 4 x 1/2" Flat Brass Screw
- # RH-4B34F # 4 x 3/4" Flat Brass Screw
- # RH-4B34 # 4 x 3/4" Oval Brass Screw
- # RH-4B10 # 4 x 1" Oval Brass Screw
- # RH-6B38F # 6 x 3/8" Flat Brass Screw
- # RH-6B12F # 6 x 1/2" Flat Brass Screw
- # RH-6B34F # 6 x 3/4" Flat Brass Screw
- # RH-6B10F # 6 x 1" Flat Brass Screw
- # RH-8B12F # 8 x 1/2" Flat Brass Screw
- # RH-8B58F # 8 x 5/8" Flat Brass Screw
- # RH-8B10F # 8 x 1" Flat Brass Screw
- # RH-10B34F # 10 x 3/4" Flat Brass Screw
- # RH-10B1F # 10 x 1" Flat Brass Screw



Flat



Oval

BRIGHT NICKEL FINISH SCREWS

- # RH-4N34 # 4 x 3/4" Oval Nickel Screw
- # RH-4N10 # 4 x 1" Oval Nickel Screw
- # RH-4N38F # 4 x 3/8" Flat Nickel Screw
- # RH-4N12F # 4 x 1/2" Flat Nickel Screw
- # RH-4N34F # 4 x 3/4" Flat Nickel Screw
- # RH-6N38F # 6 x 3/8" Flat Nickel Screw
- # RH-6N12F # 6 x 1/2" Flat Nickel Screw
- # RH-8N12F # 8 x 1/2" Flat Nickel Screw
- # RH-10N10F # 10 x 1" Flat Nickel Screw

STEEL SCREWS

Slotted round head for action stack.

- # RH-10ST1R # 10 x 1" Round

Slotted flat head for soundboard buttons.

- # RH-10ST1F # 10 x 1" Flat



Round



Flat

CUP-HEADED PEDAL LYRE SCREW

Makes stationary lyre braces adjustable – for increased rigidity. Same as installed on many high-end European pianos. Chrome finish. 19 x 45mm.

- # RH-19CH45 Cup-Headed Lyre Screw



PLATE PERIMETER LAG SCREWS



Steinway Style High Polish Chrome Finish

Highest quality. High polish chrome finish. Non-threaded portion provides extra tensile strength to prevent shearing. Beveled under built-in washer to help eliminate plate chipping.

- # RH-16CH4 Steinway-Style Lag Screw 4"
- # RH-16CH2 Steinway-Style Lag Screw 2 1/16"



European Style High Polish Chrome Finish

Same high quality as above. Larger dome-shaped head without washer. Beveled under head to deter plate chipping.

- # RH-E16CH4 European Style Lag Screw 4"

PLATE PINBLOCK SCREWS

Steel slotted wood screw with non-threaded portion.



High Polish Chrome Finish

- # RH-19CH70 # 19 Plate/Pinblock Screw 5/16" x 2 3/4"
- # RH-19CH60 # 19 Plate/Pinblock Screw 5/16" x 2 1/8"
- # RH-19CH35 # 19 Plate/Pinblock Screw 5/16" x 1 3/8"

Unfinished Steel

- # RH-19UN70 # 19 Plate/Pinblock Screw 5/16" x 2 3/4"
- # RH-19UN60 # 19 Plate/Pinblock Screw 5/16" x 2 1/8"
- # RH-19UN35 # 19 Plate/Pinblock Screw 5/16" x 1 3/8"

ACTION SCREWS

Steinway-style slotted action screws.

- # GCA-22 Action Screws

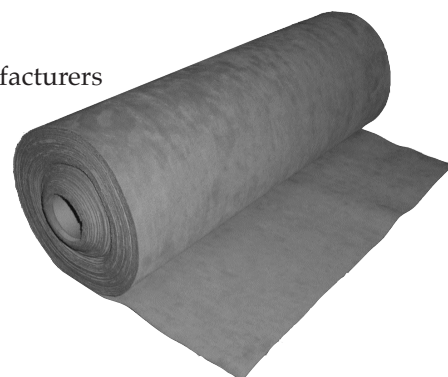


ECSAINE SYNTHETIC BUCKSKIN

The new industry standard!

The same synthetic buckskin used for over a decade by leading piano manufacturers worldwide. Consistent in thickness and texture. No hard spots or holes like real buckskin. Has directional nap, and is cut from a bolt just like fabric.

Three thicknesses available in gold color – recommended for use on grand backchecks, hammer butts, and upright catchers. Also available in black for use on music desks, etc. Sold by the lineal yard, with 1/4 yard minimum.

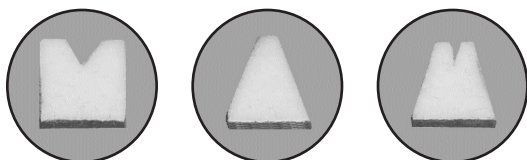


	THICKNESS	WIDTH	COLOR	USE
# FEB-330U	.073"	23"	Gold	Grand Backchecks
# FEB-300U	.075"	23"	Gold	Hammer Butts
# FEB-300P	.055"	48"	Gold	Upright Catchers
# FEB-223	.032"	54"	Black	Music Desks

TOKIWA DAMPER FELT STRIPS

Superior quality damper felts, with red backing. Strips 20" long.

TOKIWA
Symbol of Quality
HAMAMATSU, JAPAN

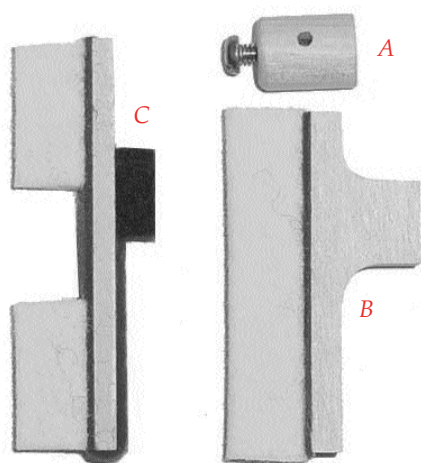


- # FDT-G1B Tokiwa Damper Felt Single
- # FDT-G2B Tokiwa Damper Felt Double
- # FDT-G3B Tokiwa Damper Felt Triple

Pre-cut grand treble set – 80 pieces, pre-cut & backed.

- # FDT-GTSB Tokiwa Damper Felt Treble Set

DAMPER BLOCKS & HEADS



Perfect for Steinway uprights. High quality Japanese felt.

- # FDT-109A Round Block
- # FDT-109B Treble Head
- # FDT-109C Bass Head

SELF-ADHESIVE NAMEBOARD FELT

Besides fallboards, this self-adhesive felt can also be used for felting between the log and short lid, as well as between the brace and the long lid. Also use for Steinway grand hammer rails, and for keystone rails. Precision cut for easy peeling without paper residue. Available in individual 5/8" wide x 52" long strips, or in 5/8" wide x 100-foot rolls.



- # FNB-1RSA Red Self-Adhesive Nameboard Felt
- # FNB-1BSA Black Self-Adhesive Nameboard Felt
- # FNB-1DSA Brown Self-Adhesive Nameboard Felt

WURZEN CONICAL FRONT RAIL PUNCHINGS

White cloth front rail punchings, 7/8" in diameter, with a density that provides a more positive touch.

- # PU-12W Wurzen Conical Front Rail Punchings



REGULATING PUNCHINGS



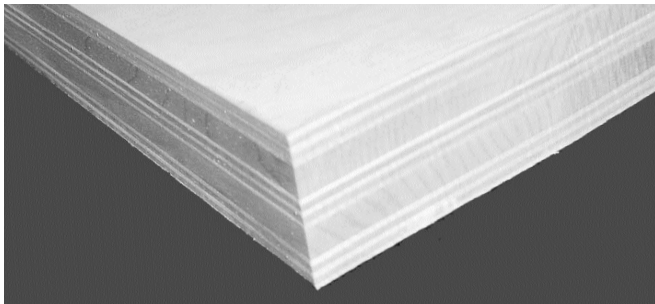
Thick pressed red felt, 3/16" thick x 3/8" diameter. For grand jack, etc. Recommended for use with our #RSU-B regulating buttons (page A-32).
PR-F3 Regulating Punchings

PARTS

BOLDUC HYBRID PINBLOCKS

Merges the high quality of the Bolduc 5-Ply Quarter-Sawn Pinblock with the economy of the multi-laminate flat-sawn pinblock. The Hybrid Pinblock combines 3 layers of multi-laminate maple with 2 inner layers of quarter-sawn maple.

Letter F drill recommended for 2/0 pin.



DOUBLE PANEL: 59" x 17"

SINGLE PANEL: Diagonal cut, 59" long x 5½" x 11½"

BHY-1 1¾" Bolduc Hybrid Pinblock

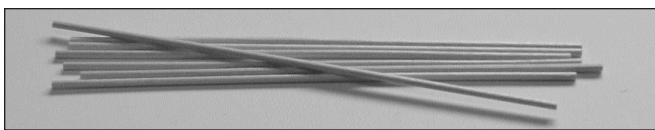
BHY-2 1½" Bolduc Hybrid Pinblock

See more Pinblocks on page A-26.

We now offer . . .

BACK ACTION DUPLICATION • KEY BALANCING
ACTION REBUILDING • TOUCHWEIGHT ANALYSIS

BRIDGE REPAIR DOWELS



Small hardwood dowels for plugging bridge pin holes. .085" x 5½". Box of 1000.

BRD-1 Bridge Repair Dowels

UPRIGHT FRONT FRAME CATCHES

Easy to install replacement catches for upright front frame/music desks. Particularly useful for Yamaha, Young Chang, and Kawai uprights. Pair.

RH-7900 Front Frame Catches



AGRAFFE REPAIR INSERTS

For replacing individual broken agraffes – or complete sets of non standard threaded agraffes – with new 1/4" agraffes.



PROCEDURE

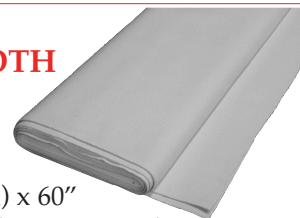
1. Remove old agraffe.
2. Drill out hole in plate with supplied Q-bit.
3. Tap hole by hand or power with supplied tap.
4. Thread in stainless steel inserts and 1/4" agraffe.

AGR-14R Agraffe Repair Inserts

AGR-14RQT Tap & Drill Kit

WHITE BUSHING CLOTH

Same high quality English bushing cloth, but not dyed red. Medium thickness, approximately .053" (1.30mm) x 60" length. Same material as used on New York and Hamburg Steinways, and others.



BU-3W White English Bushing Cloth

HEAVY DUTY CONCERT GRAND DARNELL CASTER



For concert grand pianos.

Wheel width: 1¼"

Wheel diameter: 1⅞"

Load capacity: 230 lbs.

CRD-K40BHD

Heavy Duty Darnell Caster

Please specify square or round socket.

SMALL BRASS CASTER *for YAMAHA*

Wheel width: 1⅜"

Wheel diameter: 1½"

Socket: 1⅝" x 1" stem x 2" plate

CRB-36 Small Asian Brass Caster



See more Casters on pages A-42 & A-43.