



Steinway & Sons Bid Specifications

Specification Note: Any substitution or deviation from the specifications contained herein will be deemed unacceptable.

DIMENSIONS

HEIGHT	39 7/8" (101 cm)	WIDTH	61 1/4" (156 cm)
LENGTH	8' 11 3/4" (274 cm)	NET WEIGHT	1050 lbs. (475 kg)

ENCASEMENT

FURNITURE	Ebonized or Crown Jewel Collection veneer.	LEGS	Birch, Crown Jewel Collection veneer over birch, locking devices.
PANEL STOCK	Quarter-sawn poplar corewood, cross-banded with mahogany and face veneer.	FINISH	Diamondgloss polyester or satinized hand-rubbed lacquer (black/clear/any color)
SOLIDS	Birch or maple.	HARDWARE	Solid brass; polished & lacquered or nickel plated finish.

INSTRUMENT

RIM	Must have a minimum of 16 laminations of hard rock maple, each lamination not to exceed 3/16" in thickness; and 2 face veneers, simultaneously bent, both inner and outer rims, in one single operation to form one single rim. Thickness must equal 3 1/4".
BRACES	Must have solid spruce or pine braces, maple doweled to rim. Must include a cast iron treble bell affixed to the rims underside at the treble bend.
PINBLOCK	Must have 7 laminations of hard rock maple with top and bottom plies 3/16" in thickness; diagonal and cross-grain plies 3/32" in thickness and center ply to be 1/8" in thickness. Configuration of grain must be symmetrically distributed at successive angles of 45, 90, 135 and 180 degrees and must be fully fitted to plate flange and doweled to case structure.
SOUNDBOARD	Must be quarter-sawn, close grained (minimum 10 grains/inch), Sitka spruce to be 8mm thick at front rail and continuously tapered in all directions to 5mm as it approaches the rim, before being double-crowned.
RIBS	Must be made from durable spruce to assure strong and constant down-bearing. Rib ends are hand-fitted into the inner rim to lock in the soundboard crown.
BRIDGES	Treble & bass: Must be made of hard rock maple, vertically laminated, capped with solid hard rock maple, continuously bent to form one single bridge, planed to prescribed height, graphite coated, drilled and notched for precise individual string bearing, maple doweled, glued and screwed to soundboard.
SCALE	Overstring; combination agraffe; front and rear duplex. Tension: 45,373 lbs. (20,418 kg).
PLATE	Must be made from gray iron; ground, CNC-milled, sealed, bronzed and lacquered.
TUNING PINS	Premium steel with nickel-plating for rust resistance.
STRINGS	Treble: Twelve whole & one-half sizes made from high tensile steel. Bass: Steel core wound with pure solid copper. Longest agraffe to bridge 79 1/4".
HAMMERS	25 lb. premium wool outer-felt; over premium wool under-felt, treated for insects and moisture; compression-wired to retain pear shape. Hard maple moldings; shanks from select hornbeam.
DAMPERS	High-gloss ebony finish maple heads with premium horizontal-cut wool.
ACTION	Must be made from white quarter-sawn hornbeam parts; bushed by treated wool action cloth. Parts are to be anchored in hard maple dowels housed in inflexible seamless brass tubing. Single, combination phosphor bronze repetition & fly spring.
KEYS	Key material must consist of Bavarian spruce (covered with chip-proof, stain-resistant plastic) or ebonywood (for sharps), individually weighed-off balance rail.
KEYBED	Must be made from quarter-sawn spruce or pine. Horizontal planks are to be freely mortised together, while their ends are to be permanently mortised into end caps of maple or beech. Front center is to be crowned contrasting the reverse-crowned key frame for snug fit. Must have end grain maple dowels to provide a solid mount for adjustable brass touch-regulating screws. Must measure approximately 1 3/4" in thickness.
PEDALS	Must be heavy solid brass. Soft, sustaining, full sostenuto.



Steinway & Sons New Model B

DIMENSIONS

HEIGHT	39 7/8" (101 cm)	WIDTH	58" (148 cm)
LENGTH	6' 11" (211 cm)	NET WEIGHT	760 lbs. (345 kg)

ENCASEMENT

FURNITURE	Ebonized or Crown Jewel Collection veneer.	LEGS	Birch, Crown Jewel Collection veneer over birch, locking devices.
PANEL STOCK	Quarter-sawn poplar core wood, cross-banded with mahogany and face veneer.	FINISH	Heavy full-bodied black or clear lacquer completely hand-rubbed.
SOLIDS	Birch or maple, mahogany, walnut.	HARDWARE	Solid brass; polished & lacquered.

INSTRUMENT

RIM	Must have a minimum of 16 laminations of hard rock maple, each lamination not to exceed 3/16" in thickness, and 2 face veneers, simultaneously bent, both inner and outer rims, in one single operation to form one single rim. Thickness must equal 3".
BRACES	Must have 4 solid spruce with a volume of 1,195 cu. in. or (19,583 cm ³), maple doweled to rim. Must include a cast iron treble bell affixed to the rims underside at the treble bend. S&S iron wedge anchors to secure brace ends to cross block.
PINBLOCK	Must have 7 laminations of hard rock maple with top and bottom plies 3/16" in thickness; diagonal and cross-grain plies 1/2" in thickness and center ply to be 1/8" in thickness. Configuration of grain must be symmetrically distributed at successive angles of 45, 90, 135 and 180 degrees and must be fully fitted to plate flange and doweled to case structure.
SOUNDBOARD	Must be quarter-sawn, close grained (minimum 10 grains/inch), Sitka spruce to be 8mm thick at front rail and continuously tapered in all directions to 5mm as it approaches the rim, before being double-crowned.
RIBS	Must be made from durable spruce to assure strong and constant down-bearing. Rib ends are hand-fitted into the inner rim to lock in the soundboard crown.
BRIDGES	Treble & bass: Must be made of hard rock maple, vertically laminated, capped with solid hard rock maple, continuously bent to form one single bridge, planed to prescribed height, graphite coated, drilled and hand-notched for precise individual string bearing, maple doweled, glued and screwed to soundboard.
SCALE	Overstrung; combination agraffe; front and rear duplex. Tension: 39,047 lbs. (17,571 kg).
PLATE	Must be made from gray iron; ground, CNC-milled, sealed, bronzed and lacquered.
TUNING PINS	Premium steel with nickel-plating for rust resistance.
STRINGS	Treble: Twelve whole & one-half sizes made from high tensile steel. Bass: Steel core wound with pure solid copper. Longest agraffe to bridge 59 1/4".
HAMMERS	16.5 lb. premium wool outer-felt; over premium wool under-felt, treated for insects and moisture; compression-wired to retain pear shape. Hard maple moldings; shanks from select maple.
DAMPERS	Maple heads with premium horizontal-cut wool.
ACTION	Must be made from white quarter-sawn hornbeam parts; bushed by treated wool action cloth. Parts are to be anchored in hard maple dowels housed in inflexible seamless brass tubing. Single, combination phosphor bronze repetition & fly spring.
KEYS	Key material must consist of Bavarian spruce, individually weighed-off, covered with chip proof, stain-resistant plastic, Linden wood buttons to reinforce keys over balance rail.
KEYBED	Must be made from quarter-sawn spruce. Horizontal planks are to be freely mortised together, while their ends are to be permanently mortised into end caps of birch. Front center is to be crowned contrasting the reverse-crowned key frame for snug fit. Must have end grain maple dowels to provide a solid mount for adjustable brass touch-regulating screws. Must measure 1 1/16" in thickness.
PEDALS	Must be heavy solid brass. Soft, sustaining, full sostenuto.



Steinway & Sons *New Model A*

DIMENSIONS

HEIGHT	39 7/8" (101 cm)	WIDTH	57 3/4" (147 cm)
LENGTH	6' 2" (188 cm)	NET WEIGHT	695 lbs. (315 kg)

ENCASEMENT

FURNITURE	Ebonized or Crown Jewel Collection veneer.	LEGS	Birch, Crown Jewel Collection veneer over birch, locking devices.
PANEL STOCK	Quarter-sawn poplar core wood, cross-banded with mahogany and face veneer.	FINISH	Heavy full-bodied black or clear lacquer completely hand-rubbed.
SOLIDS	Birch or maple, mahogany, walnut.	HARDWARE	Solid brass; polished & lacquered.

INSTRUMENT

RIM	Must have a minimum of 16 laminations of hard rock maple, each lamination not to exceed 3/16" in thickness, and 2 face veneers, simultaneously bent, both inner and outer rims, in one single operation to form one single rim. Thickness must equal 3".
BRACES	Must have 3 solid spruce with a volume of 1,725 cu. in. or (28,267 cm ³), maple doweled to rim. Must include a cast iron treble bell affixed to the rims underside at the treble bend. S&S iron wedge anchors to secure brace ends to cross block.
PINBLOCK	Must have 7 laminations of hard rock maple with top and bottom plies 3/16" in thickness; diagonal and cross-grain plies 1/32" in thickness and center ply to be 1/8" in thickness. Configuration of grain must be symmetrically distributed at successive angles of 45, 90, 135 and 180 degrees and must be fully fitted to plate flange and doweled to case structure.
SOUNDBOARD	Must be quarter-sawn, close grained (minimum 10 grains/inch), Sitka spruce to be 8mm thick at front rail and continuously tapered in all directions to 5mm as it approaches the rim, before being double-crowned.
RIBS	Must be made from durable spruce to assure strong and constant down-bearing. Rib ends are hand-fitted into the inner rim to lock in the soundboard crown.
BRIDGES	Treble: Must be made of hard rock maple, vertically laminated, capped with solid hard rock maple, planed to prescribed height, graphite coated, drilled and hand-notched for precise individual string bearing. Bass: Solid rock maple mounted to cantilevered and splined base. Maple doweled, glued and screwed to soundboard.
SCALE	Overstrung; combination agraffe; front and rear duplex. Tension: 37,805 lbs. (17,184 kg).
PLATE	Must be made from gray iron; ground, CNC-milled, sealed, bronzed and lacquered.
TUNING PINS	Premium steel with nickel-plating for rust resistance.
STRINGS	Treble: Twelve whole & one-half sizes made from high tensile steel; Bass: Steel core wound with pure solid copper; Longest agraffe to bridge 55 1/16".
HAMMERS	16.5 lb. premium wool outer-felt; over premium wool under-felt, treated for insects and moisture; compression-wired to retain pear shape. Hard maple moldings; shanks from select maple.
DAMPERS	Maple heads with premium horizontal-cut wool.
ACTION	Must be made from white quarter-sawn hornbeam parts; bushed by treated wool action cloth. Parts are to be anchored in hard maple dowels housed in inflexible seamless brass tubing. Single, combination phosphor bronze repetition & fly spring.
KEYS	Key material must consist of Bavarian spruce, individually weighed-off, covered with chip proof, stain-resistant plastic, Linden wood buttons to reinforce keys over balance rail.
KEYBED	Must be made from quarter-sawn spruce. Horizontal planks are to be freely mortised together, while their ends are to be permanently mortised into end caps of birch. Front center is to be crowned contrasting the reverse-crowned key frame for snug fit. Must have end grain maple dowels to provide a solid mount for adjustable brass touch-regulating screws. Must measure 1 11/16" in thickness.
PEDALS	Must be heavy solid brass. Soft, sustaining, full sostenuto.



Steinway & Sons New Model O

DIMENSIONS

HEIGHT	39 7/8" (101 cm)	WIDTH	58 1/2" (149 cm)
LENGTH	5' 10 3/4" (180 cm)	NET WEIGHT	616 lbs. (450 kg)

ENCASEMENT

FURNITURE	Ebonized or Crown Jewel Collection veneer.	LEGS	Birch, Crown Jewel Collection veneer over birch, locking devices.
PANEL STOCK	Quarter-sawn poplar core wood, cross-banded with mahogany and face veneer.	FINISH	Heavy full-bodied black or clear lacquer completely hand-rubbed.
SOLIDS	Birch or maple, mahogany, walnut.		

INSTRUMENT

RIM	Must have a minimum of 13 laminations of hard rock maple, each lamination not to exceed 3/16" in thickness, and 2 face veneers, simultaneously bent, both inner and outer rims, in one single operation to form one single rim. Thickness must equal 2 13/32".
BRACES	Must have 3 solid spruce with a volume of 1,467 cu. in. or (24,040 cm ³), maple doweled to rim. S&S iron wedge anchors to secure brace ends to cross block.
PINBLOCK	Must have 7 laminations of hard rock maple with top and bottom plies 3/16" in thickness; diagonal and cross-grain plies 5/32" in thickness and center ply to be 1/8" in thickness. Configuration of grain must be symmetrically distributed at successive angles of 45, 90, 135 and 180 degrees and must be fully fitted to plate flange and doweled to case structure.
SOUNDBOARD	Must be quarter-sawn, close grained (minimum 10 grains/inch), Sitka spruce to be 8mm thick at front rail and continuously tapered in all directions to 5mm as it approaches the rim, before being double-crowned.
RIBS	Must be made from durable spruce to assure strong and constant down-bearing. Rib ends are hand-fitted into the inner rim to lock in the soundboard crown.
BRIDGES	Treble: Must be made of hard rock maple, vertically laminated, capped with solid hard rock maple, planed to prescribed height, graphite coated, drilled and hand-notched for precise individual string bearing. Bass: Solid rock maple mounted to cantilevered and splined base. Maple doweled, glued and screwed to soundboard.
SCALE	Overstrung; combination agraffe; front and rear duplex. Tension: 34,837 lbs. (15,835 kg).
PLATE	Must be made from gray iron; ground, CNC-milled, sealed, bronzed and lacquered.
TUNING PINS	Premium steel with nickel-plating for rust resistance.
STRINGS	Treble: Ten whole & one-half sizes made from high tensile steel; Bass: Steel core wound with pure solid copper; Longest agraffe to bridge 54 1/4".
HAMMERS	16.5 lb. premium wool outer-felt; over premium wool under-felt, treated for insects and moisture; compression-wired to retain pear shape. Hard maple moldings; shanks from select maple.
DAMPERS	Maple heads with premium horizontal-cut wool.
ACTION	Must be made from white quarter-sawn hornbeam parts; bushed by treated wool action cloth. Parts are to be anchored in hard maple dowels housed in inflexible seamless brass tubing. Single, combination phosphor bronze repetition & fly spring.
KEYS	Key material must consist of Bavarian spruce, individually weighed-off, covered with chip proof, stain-resistant plastic, Linden wood buttons to reinforce keys over balance rail.
KEYBED	Must be made from quarter-sawn spruce. Horizontal planks are to be freely mortised together, while their ends are to be permanently mortised into end caps of birch. Front center is to be crowned contrasting the reverse-crowned key frame for snug fit. Must have end grain maple dowels to provide a solid mount for adjustable brass touch-regulating screws. Must measure 1 13/16" in thickness.
PEDALS	Must be heavy solid brass. Soft, sustaining, full sostenuto.



Steinway & Sons *New Model M*

DIMENSIONS

HEIGHT	39 7/8" (101 cm)	WIDTH	57 3/4" (147 cm)
LENGTH	5' 7" (170 cm)	NET WEIGHT	560 lbs. (255 kg)

ENCASEMENT

FURNITURE	Ebonized or Crown Jewel Collection veneer.	LEGS	Birch, Crown Jewel Collection veneer over birch, locking devices.
PANEL STOCK	Quarter-sawn poplar core wood, cross-banded with mahogany and face veneer.	FINISH	Heavy full-bodied black or clear lacquer completely hand-rubbed.
SOLIDS	Birch or maple, mahogany, walnut.	HARDWARE	Solid brass; polished & lacquered.

INSTRUMENT

RIM	Must have a minimum of 10 laminations of hard rock maple, each lamination not to exceed 3/16" in thickness, and 2 face veneers, simultaneously bent, both inner and outer rims, in one single operation to form one single rim. Thickness must equal 2 1/4".
BRACES	Must have 3 solid spruce with a volume of 1,659 cu. in. or (27,186 cm ³), maple doweled to rim. S&S iron wedge anchors to secure brace ends to cross block.
PINBLOCK	Must have 7 laminations of hard rock maple with top and bottom plies 3/16" in thickness; diagonal and cross-grain plies 1/32" in thickness and center ply to be 1/8" in thickness. Configuration of grain must be symmetrically distributed at successive angles of 45, 90, 135 and 180 degrees and must be fully fitted to plate flange and doweled to case structure.
SOUNDBOARD	Must be quarter-sawn, close grained (minimum 10 grains/inch), Sitka spruce to be 8mm thick at front rail and continuously tapered in all directions to 5mm as it approaches the rim, before being double-crowned.
RIBS	Must be made from durable spruce to assure strong and constant down-bearing. Rib ends are hand-fitted into the inner rim to lock in the soundboard crown.
BRIDGES	Treble: Must be made of hard rock maple, vertically laminated, capped with solid hard rock maple, planed to prescribed height, graphite coated, drilled and hand-notched for precise individual string bearing. Bass: Solid rock maple mounted to cantilevered and splined base. Maple doweled, glued and screwed to soundboard.
SCALE	Overstrung; combination agraffe; front and rear duplex. Tension: 33,823 lbs. (15,040 kg).
PLATE	Must be made from gray iron; ground, CNC-milled, sealed, bronzed and lacquered.
TUNING PINS	Premium steel with nickel-plating for rust resistance.
STRINGS	Treble: Eleven whole & one-half sizes made from high tensile steel; Bass: Steel core wound with pure solid copper. Longest agraffe to bridge 49 1/4".
HAMMERS	16.5 lb. premium wool outer-felt; over premium wool under-felt, treated for insects and moisture; compression-wired to retain pear shape. Hard maple moldings; shanks from select maple.
DAMPERS	Maple heads with premium horizontal-cut wool.
ACTION	Must be made from white quarter-sawn hornbeam parts; bushed by treated wool action cloth. Parts are to be anchored in hard maple dowels housed in inflexible seamless brass tubing. Single, combination phosphor bronze repetition & fly spring.
KEYS	Key material must consist of Bavarian spruce, individually weighed-off, covered with chip proof, stain-resistant plastic, Linden wood buttons to reinforce keys over balance rail.
KEYBED	Must be made from quarter-sawn spruce. Horizontal planks are to be freely mortised together, while their ends are to be permanently mortised into end caps of birch. Front center is to be crowned contrasting the reverse-crowned key frame for snug fit. Must have end grain maple dowels to provide a solid mount for adjustable brass touch-regulating screws. Must measure 1 11/16" in thickness.
PEDALS	Must be heavy solid brass. Soft, sustaining, full sostenuto.



Steinway & Sons New Model S

DIMENSIONS

HEIGHT	39 7/8" (101 cm)	WIDTH	57 3/4" (147 cm)
LENGTH	5' 1" (155 cm)	NET WEIGHT	540 lbs. (245 kg)

ENCASEMENT

FURNITURE	Ebonized or Crown Jewel Collection veneer.	LEGS	Birch, Crown Jewel Collection veneer over birch, locking devices.
PANEL STOCK	Quarter-sawn poplar core wood, cross-banded with mahogany and face veneer.	FINISH	Heavy full-bodied black or clear lacquer completely hand-rubbed.
SOLIDS	Birch or maple, mahogany, walnut.	HARDWARE	Solid brass; polished & lacquered.

INSTRUMENT

RIM	Must have a minimum of 10 laminations of hard rock maple, each lamination not to exceed 3/16" in thickness, and 2 face veneers, simultaneously bent, both inner and outer rims, in one single operation to form one single rim. Thickness must equal 2 1/8".
BRACES	Must have 3 solid spruce with a volume of 1,224 cu. in. or (20,058 cm ³), maple doweled to rim. S&S iron wedge anchors to secure brace ends to cross block.
PINBLOCK	Must have 7 laminations of hard rock maple with top and bottom plies 3/16" in thickness; diagonal and cross-grain plies 1/2" in thickness and center ply to be 1/8" in thickness. Configuration of grain must be symmetrically distributed at successive angles of 45, 90, 135 and 180 degrees and must be fully fitted to plate flange and doweled to case structure.
SOUNDBOARD	Must be quarter-sawn, close grained (minimum 10 grains/inch), Sitka spruce to be 8mm thick at front rail and continuously tapered in all directions to 5mm as it approaches the rim, before being double-crowned.
RIBS	Must be made from durable spruce to assure strong and constant down-bearing. Rib ends are hand-fitted into the inner rim to lock in the soundboard crown.
BRIDGES	Treble: Must be made of hard rock maple, vertically laminated, capped with solid hard rock maple, planed to prescribed height, graphite coated, drilled and hand-notched for precise individual string bearing. Bass: Solid rock maple mounted to cantilevered and splined base. Maple doweled, glued and screwed to soundboard.
SCALE	Overstrung; combination agraffe; front and rear duplex. Tension: 32,332 lbs. (14,550 kg).
PLATE	Must be made from gray iron; ground, CNC-milled, sealed, bronzed and lacquered.
TUNING PINS	Premium steel with nickel-plating for rust resistance.
STRINGS	Treble: Twelve whole & one-half sizes made from high tensile steel. Bass: Steel core wound with pure solid copper.
HAMMERS	16.5 lb. premium wool outer-felt; over premium wool under-felt, treated for insects and moisture; compression-wired to retain pear shape. Hard maple moldings; shanks from select maple.
DAMPERS	Maple heads with premium horizontal-cut wool.
ACTION	Must be made from white quarter-sawn hornbeam parts; bushed by treated wool action cloth. Parts are to be anchored in hard maple dowels housed in inflexible seamless brass tubing. Single, combination phosphor bronze repetition & fly spring.
KEYS	Key material must consist of Bavarian spruce, individually weighed-off, covered with chip proof, stain-resistant plastic, Linden wood buttons to reinforce keys over balance rail.
KEYBED	Must be made from quarter-sawn spruce. Horizontal planks are to be freely mortised together, while their ends are to be permanently mortised into end caps of birch. Front center is to be crowned contrasting the reverse-crowned key frame for snug fit. Must have end grain maple dowels to provide a solid mount for adjustable brass touch-regulating screws. Must measure 1 11/16" in thickness.
PEDALS	Must be heavy solid brass. Soft, sustaining, full sostenuto.



Steinway & Sons New Model K52

DIMENSIONS

HEIGHT	52" (132 cm)	DEPTH	26 3/8" (67 cm)
WIDTH	60 3/4" (154 cm)	NET WEIGHT	600 lbs. (245 kg)

ENCASEMENT

FURNITURE	Ebonized or Crown Jewel Collection veneer.	LEGS	Mahogany, genuine species.
PANEL STOCK	Quarter-sawn poplar core wood, cross-banded with mahogany and face veneer.	FINISH	Heavy full-bodied black or clear lacquer completely hand-rubbed.
SOLIDS	Birch or maple, mahogany, walnut.	HARDWARE	Solid brass; polished & lacquered.

INSTRUMENT

BACKFRAME	Must have solid birch mortised foot-piece. Solid birch soundboard lining. Grand type maple closing rim.
POSTS	Must have 5 full-length tapered solid spruce with a volume of 3,600 cu. in. or (58,993 cm ³), strategically positioned with bottom ends tenoned into birch foot-piece. Spruce fill-blocks between posts at top of backframe with solid birch backing board.
PINBLOCK	Must have 7 laminations of hard rock maple with top and bottom plies 3/16" in thickness; diagonal and cross-grain plies 1/32" in thickness and center ply to be 1/8" in thickness. Configuration of grain must be symmetrically distributed at successive angles of 45, 90, 135 and 180 degrees and must be fully fitted to plate flange and doweled to case structure.
SOUNDBOARD	Must be quarter-sawn, close grained (minimum 10 grains/inch), Sitka spruce to be 8mm thick at front rail and continuously tapered in all directions to 6mm as it approaches the rim, before being double-crowned.
RIBS	Must be made from durable spruce to assure strong and constant down-bearing. Rib ends are hand-fitted into the inner rim to lock in the soundboard crown.
BRIDGES	Treble: Must be made of hard rock maple, vertically laminated, capped with solid hard rock maple, planed to prescribed height, graphite coated, drilled and hand-notched for precise individual string bearing. Bass: Solid rock maple mounted to cantilevered and splined base. Maple doweled, glued and screwed to soundboard.
SCALE	Overstrung; 26 note bass/tenor break. Treble duplex. Tension: 37,500 lbs. (16,875 kg).
PLATE	Must be made from gray iron; ground, CNC-milled, sealed, bronzed and lacquered.
TUNING PINS	Premium steel with nickel-plating for rust resistance.
STRINGS	Treble: Ten whole & one-half sizes made from high tensile steel; Bass: Steel core wound with pure solid copper. Longest pressure bar to bridge 46 3/8".
HAMMERS	12.5 lb. premium wool outer-felt; over premium wool under-felt, treated for insects and moisture; compression-wired to retain pear shape. Hard maple moldings; shanks from select maple.
DAMPERS	Maple heads with premium vertical-cut premium wool.
ACTION	Must be made from white quarter-sawn hornbeam parts; bushed by treated wool action cloth. Parts are to be anchored in hard maple rails. Direct-blow design with all parts of the action to lie above brass capstan screws.
KEYS	Key material must consist of Bavarian spruce, individually weighed-off, covered with chip proof, stain-resistant plastic, Linden wood buttons to reinforce keys over balance rail.
KEYBED	Must be made from quarter-sawn spruce. Horizontal planks are to be freely mortised together, while their ends are to be permanently mortised into end caps of birch. Must be hand-milled to be flat and true for snug key frame fit. Must measure 2" in thickness.
PEDALS	Must be heavy solid brass. Soft, sustaining, full sostenuto.

