

Steinway & Sons Piano
SPECIFICATIONS



STEINWAY & SONS

Steinway & Sons Piano **FEATURES OF DISTINCTION**

Since 1853, STEINWAY pianos have set an uncompromising standard for sound, touch, beauty, and value.

That which distinguishes STEINWAY pianos, more than all else, is summed up in our dedication to a single ideal: Make the finest pianos in the world. It has never entered our minds to compromise quality. Where some have substituted mass-produced, synthetic components to speed production or reduce costs, we apply technologies and new materials only when they provide proven enhancements to the piano. We adhere to these principles for one reason: Compromise quality, and you risk the sound, the touch, and ultimately, the integrity of the instrument.

While we adhere to the traditional values of craftsmanship, STEINWAY & SONS has also led consistently through innovation. The very earliest pianos crafted by STEINWAY were distinguished by their inventive features—many of which helped

define the modern piano. Today, each STEINWAY piano is a summation of our commitment to innovation. Each incorporates over 125 patented features and processes, including our patented Diaphragmatic soundboard and Hexagrip pinblock. Both inner and outer rim are bent to shape and pressed together into one piece, in one operation, for solidity and tone. All case components are fitted, glued, and maple-doweled for homogeneity before installation of the soundboard.

Handcrafting each STEINWAY requires up to one full year—creating an instrument of rare quality and global renown. Not surprisingly, STEINWAY remains the choice of 9 out of 10 concert artists—and countless pianists, composers, and performers around the world.



STEINWAY & SONS

	MODEL D	MODEL B	MODEL A	MODEL O	MODEL M	MODEL S	MODEL K
DIMENSIONS							
HEIGHT							52" (132 cm)
LENGTH	8' 11 3/4" (274 cm)	6' 11" (211 cm)	6' 2" (188 cm)	5' 10 3/4" (180 cm)	5' 7" (170 cm)	5' 1" (155 cm)	
WIDTH	61 1/4" (156 cm)	58" (148 cm)	57 3/4" (147 cm)	57 3/4" (146.5 cm)	57 3/4" (147 cm)	57 3/4" (147 cm)	60 3/4" (154 cm)
DEPTH							26 3/8" (67 cm)
NET WEIGHT	1,064 pounds (483 kg)	802 pounds (364 kg)	720 pounds (327 kg)	662 pounds (300 kg)	603 pounds (274 kg)	579 pounds (263 kg)	600 pounds (272 kg)
ENCASEMENT							
FURNITURE	Ebonized or Crown Jewel Collection Veneer	Ebonized or Crown Jewel Collection Veneer					
PANEL STOCK	Quarter-sawn poplar corewood cross banded and face veneered.	Quarter-sawn poplar corewood cross banded and face veneered.	Quarter-sawn poplar corewood cross banded and face veneered.	Quarter-sawn poplar corewood cross banded and face veneered.	Quarter-sawn poplar corewood cross banded and face veneered.	Quarter-sawn poplar corewood cross banded and face veneered.	Quarter-sawn poplar corewood cross banded and face veneered.
SOLIDS	Ebonized or veneered birch, mahogany, walnut.	Ebonized or veneered birch, mahogany, walnut.					
LEGS	Ebonized or veneered birch. Sturdy locking mechanisms allow quick, damage-free removal.	Ebonized or veneered birch. Sturdy locking mechanisms allow quick, damage-free removal.	Ebonized or veneered birch. Sturdy locking mechanisms allow quick, damage-free removal.	Ebonized or veneered birch. Sturdy locking mechanisms allow quick, damage-free removal.	Ebonized or veneered birch. Sturdy locking mechanisms allow quick, damage-free removal.	Ebonized or veneered birch. Sturdy locking mechanisms allow quick, damage-free removal.	Ebonized mahogany, genuine specie.
FINISH	Heavy full-bodied black or clear lacquer (satin), hand-rubbed OR Heavy full-bodied black polyester (high polish), hand-polished.	Heavy full-bodied black or clear lacquer (satin), hand-rubbed OR Heavy full-bodied black polyester (high polish), hand-polished.	Heavy full-bodied black or clear lacquer (satin), hand-rubbed OR Heavy full-bodied black polyester (high polish), hand-polished.	Heavy full-bodied black or clear lacquer (satin), hand-rubbed OR Heavy full-bodied black polyester (high polish), hand-polished.	Heavy full-bodied black or clear lacquer (satin), hand-rubbed OR Heavy full-bodied black polyester (high polish), hand-polished.	Heavy full-bodied black or clear lacquer (satin), hand-rubbed OR Heavy full-bodied black polyester (high polish), hand-polished.	Heavy full-bodied black or clear lacquer (satin), hand-rubbed.
HARDWARE	Solid brass; polished & lacquered, or chrome or nickel plated.	Solid brass; polished & lacquered, or chrome or nickel plated.	Solid brass; polished & lacquered, or chrome or nickel plated.	Solid brass; polished & lacquered, or chrome or nickel plated.	Solid brass; polished & lacquered, or chrome or nickel plated.	Solid brass; polished & lacquered, or chrome or nickel plated.	Solid brass; polished & lacquered, or chrome or nickel plated.

(CONTINUED ON FOLLOWING PAGE)

	MODEL D	MODEL B	MODEL A	MODEL O	MODEL M	MODEL S	MODEL K
INSTRUMENT							
RIM	Made entirely from hard rock maple; 17 laminations; continuous bent, both inner & outer form one single rim; unequaled strength and stability. Thickness: 3 1/4" (8.26 cm)	Made entirely from hard rock maple; 16 laminations; continuous bent, both inner & outer form one single rim; unequaled strength and stability. Thickness: 2 3/4" (6.99 cm)	Made entirely from hard rock maple; 16 laminations; continuous bent, both inner & outer form one single rim; unequaled strength and stability. Thickness: 2 3/4" (6.99 cm)	Made entirely from hard rock maple; 13 laminations; continuous bent, both inner & outer form one single rim; unequaled strength and stability. Thickness: 2 7/16" (6.19 cm)	Made entirely from hard rock maple; 10 laminations; continuous bent, both inner & outer form one single rim; unequaled strength and stability. Thickness: 2 1/4" (5.72 cm)	Made entirely from hard rock maple; 10 laminations; continuous bent, both inner & outer form one single rim; unequaled strength and stability. Thickness: 2 1/4" (5.72 cm)	Back Frame: Solid birch mortised foot-piece. Solid birch sound-board lining. Grand-type maple laminated closing rim; unequaled vertical strength and stability.
BRACES	5 solid spruce with a volume of 2,907 cu. In. (47,637cm ³); Spruce provides tensile strength with less weight. Maple dowels fasten braces to rim producing a single homogenous foundation upon which is built the entire tonal component. A cast iron treble bell, affixed to rim's underside at treble bend, holds plate firmly in position by means of a steel bolt. The S & S iron wedge anchors brace ends securely to crossblock assuring permanent rim posture.	4 solid spruce with a volume of 1,995 cu. In. (32,686cm ³); Spruce provides tensile strength with less weight. Maple dowels fasten braces to rim producing a single homogenous foundation upon which is built the entire tonal component. A cast iron treble bell, affixed to rim's underside at treble bend, holds plate firmly in position by means of a steel bolt. The S & S iron wedge anchors brace ends securely to crossblock assuring permanent rim posture.	3 solid spruce with a volume of 1,387 cu. In. (22,729cm ³); Spruce provides tensile strength with less weight. Maple dowels fasten braces to rim producing a single homogenous foundation upon which is built the entire tonal component. A cast iron treble bell, affixed to rim's underside at treble bend, holds plate firmly in position by means of a steel bolt. The S & S iron wedge anchors brace ends securely to crossblock assuring permanent rim posture.	3 solid spruce with a volume of 1,253 cu. In. (20,528cm ³); Spruce provides tensile strength with less weight. Maple dowels fasten braces to rim producing a single homogenous foundation upon which is built the entire tonal component. The S & S iron wedge anchors brace ends securely to crossblock assuring permanent rim posture.	3 solid spruce with a volume of 1,196 cu. In. (19,597cm ³); Spruce provides tensile strength with less weight. Maple dowels fasten braces to rim & crossblock producing a single homogenous foundation upon which is built the tonal component. Note: Treble bell is not required in smaller grands of lesser tensions.	3 solid spruce with a volume of 1,050 cu. In. (17,202cm ³); Spruce provides tensile strength with less weight. Maple dowels fasten braces to rim & crossblock producing a single homogenous foundation upon which is built the tonal component. Note: Treble bell is not required in smaller grands of lesser tensions.	POSTS: 5 FULL-LENGTH tapered solid spruce with a volume of 3,600 cu. In. (58,993cm ³); Assures that back-frame will remain straight, promoting stable and consistent tuning. Strategically positioned with bottom ends tenoned into birch foot-piece for positive vertical alignment. Spruce fill-blocks between posts at top of backframe capped with solid birch backing board for positive horizontal alignment.
PINBLOCK	Hexagrip patented design; 7 laminations of quartered hardrock maple stock. Grain symmetrically distributed at successive angles of 45°, 90°, employing grain direction uniformly around the circumference of the tuning pin to provide the ultimate in pin grip-page. As a result of this exclusive design, the tuning pin has smoother movement under torque, a more uniform retaining action for solid setting, and a piano which will hold its tuning longer.	Hexagrip patented design; 7 laminations of quartered hardrock maple stock. Grain symmetrically distributed at successive angles of 45°, 90°, employing grain direction uniformly around the circumference of the tuning pin to provide the ultimate in pin grip-page. As a result of this exclusive design, the tuning pin has smoother movement under torque, a more uniform retaining action for solid setting, and a piano which will hold its tuning longer.	Hexagrip patented design; 7 laminations of quartered hardrock maple stock. Grain symmetrically distributed at successive angles of 45°, 90°, employing grain direction uniformly around the circumference of the tuning pin to provide the ultimate in pin grip-page. As a result of this exclusive design, the tuning pin has smoother movement under torque, a more uniform retaining action for solid setting, and a piano which will hold its tuning longer.	Hexagrip patented design; 7 laminations of quartered hardrock maple stock. Grain symmetrically distributed at successive angles of 45°, 90°, employing grain direction uniformly around the circumference of the tuning pin to provide the ultimate in pin grip-page. As a result of this exclusive design, the tuning pin has smoother movement under torque, a more uniform retaining action for solid setting, and a piano which will hold its tuning longer.	Hexagrip patented design; 7 laminations of quartered hardrock maple stock. Grain symmetrically distributed at successive angles of 45°, 90°, employing grain direction uniformly around the circumference of the tuning pin to provide the ultimate in pin grip-page. As a result of this exclusive design, the tuning pin has smoother movement under torque, a more uniform retaining action for solid setting, and a piano which will hold its tuning longer.	Hexagrip patented design; 7 laminations of quartered hardrock maple stock. Grain symmetrically distributed at successive angles of 45°, 90°, employing grain direction uniformly around the circumference of the tuning pin to provide the ultimate in pin grip-page. As a result of this exclusive design, the tuning pin has smoother movement under torque, a more uniform retaining action for solid setting, and a piano will hold its tuning longer.	Hexagrip patented design; 7 laminations of quartered hardrock maple stock. Grain symmetrically distributed at successive angles of 45°, 90°, employing grain direction uniformly around the circumference of the tuning pin to provide the ultimate in pin grip-page. As a result of this exclusive design, the tuning pin has smoother movement under torque, a more uniform retaining action for solid setting, and a piano will hold its tuning longer.

	MODEL D	MODEL B	MODEL A	MODEL O	MODEL M	MODEL S	MODEL K
SOUNDBOARD	Created like the soundboard of violins to give a free and even response throughout the entire scale, it is so constructed as to be 9 mm thick in the center and tapered to 6 mm as it approaches the rim and outer case before being double crowned. This design permits complete freedom of movement, while acting as a homogenous unit to displace a greater amount of air, thereby creating a richer and more lasting tonal response. Close-grained, quarter-sawn Sitka spruce, a wood having unusual stability and vibrance under stress and vibration, is used exclusively for the soundboard.	Created like the soundboard of violins to give a free and even response throughout the entire scale, it is so constructed as to be 8 mm thick in the center and tapered to 5 mm as it approaches the rim and outer case before being double crowned. This design permits complete freedom of movement, while acting as a homogenous unit to displace a greater amount of air, thereby creating a richer and more lasting tonal response. Close-grained, quarter-sawn Sitka spruce, a wood having unusual stability and vibrance under stress and vibration, is used exclusively for the soundboard.	Created like the soundboard of violins to give a free and even response throughout the entire scale, it is so constructed as to be 8 mm thick in the center and tapered to 5 mm as it approaches the rim and outer case before being double crowned. This design permits complete freedom of movement, while acting as a homogenous unit to displace a greater amount of air, thereby creating a richer and more lasting tonal response. Close-grained, quarter-sawn Sitka, a wood having unusual stability and vibrance under stress and vibration, is used exclusively for the soundboard.	Created like the soundboard of violins to give a free and even response throughout the entire scale, it is so constructed as to be 8 mm thick in the center and tapered to 5 mm as it approaches the rim and outer case before being double crowned. This design permits complete freedom of movement, while acting as a homogenous unit to displace a greater amount of air, thereby creating a richer and more lasting tonal response. Close-grained, quarter-sawn Sitka, a wood having unusual stability and vibrance under stress and vibration, is used exclusively for the soundboard.	Created like the soundboard of violins to give a free and even response throughout the entire scale, it is so constructed as to be 8 mm thick in the center and tapered to 5 mm as it approaches the rim and outer case before being double crowned. This design permits complete freedom of movement, while acting as a homogenous unit to displace a greater amount of air, thereby creating a richer and more lasting tonal response. Close-grained, quarter-sawn Sitka spruce, a wood having unusual stability and vibrance under stress and vibration, is used exclusively for the soundboard.	Created like the soundboard of violins to give a free and even response throughout the entire scale, it is so constructed as to be 8 mm thick in the center and tapered to 5 mm as it approaches the rim and outer case before being double crowned. This design permits complete freedom of movement, while acting as a homogenous unit to displace a greater amount of air, thereby creating a richer and more lasting tonal response. Close-grained, quarter-sawn Sitka spruce, a wood having unusual stability and vibrance under stress and vibration, is used exclusively for the soundboard.	Created like the soundboard of violins to give a free and even response throughout the entire scale, it is so constructed as to be 8 mm thick in the center and tapered to 5 mm as it approaches the rim and outer case before being double crowned. This design permits complete freedom of movement, while acting as a homogenous unit to displace a greater amount of air, thereby creating a richer and more lasting tonal response. Close-grained, quarter-sawn Sitka spruce, a wood having unusual stability and vibrance under stress and vibration, is used exclusively for the soundboard.
RIBS	Made from durable, resinous sugar pine to assure strong and constant support of string down-bearing on the soundboard. Rib ends are hand-fitted into their mounting surfaces, virtually locking in the important soundboard crown.	Made from durable, resinous sugar pine to assure strong and constant support of string down-bearing on the soundboard. Rib ends are hand-fitted into their mounting surfaces, virtually locking in the important soundboard crown.	Made from durable, resinous sugar pine to assure strong and constant support of string down-bearing on the soundboard. Rib ends are hand-fitted into their mounting surfaces, virtually locking in the important soundboard crown.	Made from durable, resinous sugar pine to assure strong and constant support of string down-bearing on the soundboard. Rib ends are hand-fitted into their mounting surfaces, virtually locking in the important soundboard crown.	Made from durable, resinous sugar pine to assure strong and constant support of string down-bearing on the soundboard. Rib ends are hand-fitted into their mounting surfaces, virtually locking in the important soundboard crown.	Made from durable, resinous sugar pine to assure strong and constant support of string down-bearing on the soundboard. Rib ends are hand-fitted into their mounting surfaces, virtually locking in the important soundboard crown.	Made from durable, resinous sugar pine to assure strong and constant support of string down-bearing on the soundboard. Rib ends are hand-fitted into their mounting surfaces, virtually locking in the important soundboard crown.

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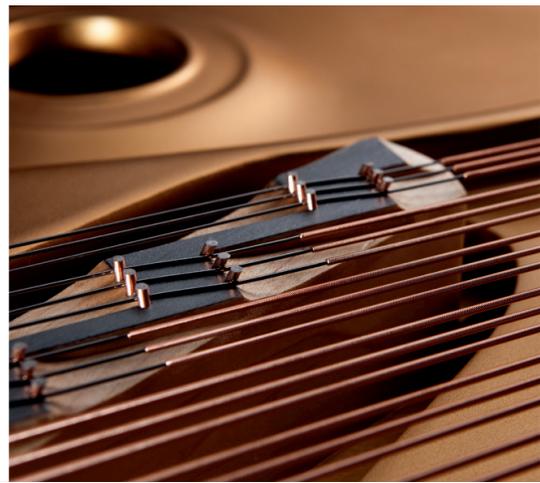
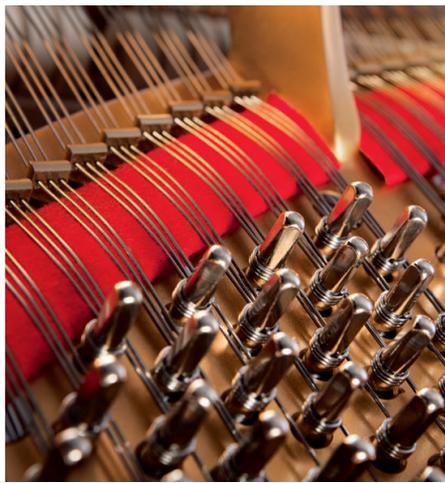
	MODEL D	MODEL B	MODEL A	MODEL O	MODEL M	MODEL S	MODEL K	
BRIDGES	Treble: Hard rock maple vertical laminations capped with solid hard rock maple; planed to prescribed height, graphite coated, drilled, and notched by hand for precise individual string bearing. Design defies splitting. Bass: Continuous with treble. Maple doweled, glued, and screwed to soundboard.	Treble: Hard rock maple vertical laminations capped with solid hard rock maple; planed to prescribed height, graphite coated, drilled, and notched by hand for precise individual string bearing. Design defies splitting. Bass: Continuous with treble. Maple doweled, glued, and screwed to soundboard.	Treble: Hard rock maple vertical laminations capped with solid hard rock maple; planed to prescribed height, graphite coated, drilled, and notched by hand for precise individual string bearing. Design defies splitting. Bass: Solid rock maple mounted to cantilevered and splined base. Maple doweled, glued, and screwed to soundboard.	Treble: Hard rock maple vertical laminations capped with solid hard rock maple; planed to prescribed height, graphite coated, drilled, and notched by hand for precise individual string bearing. Design defies splitting. Bass: Solid rock maple mounted to cantilevered and splined base. Maple doweled, glued, and screwed to soundboard.	Treble: Hard rock maple vertical laminations capped with solid hard rock maple; planed to prescribed height, graphite coated, drilled, and notched by hand for precise individual string bearing. Design defies splitting. Bass: Solid rock maple mounted to cantilevered and splined base. Maple doweled, glued, and screwed to soundboard.	Treble: Hard rock maple vertical laminations capped with solid hard rock maple; planed to prescribed height, graphite coated, drilled, and notched by hand for precise individual string bearing. Design defies splitting. Bass: Solid rock maple mounted to cantilevered and splined base. Maple doweled, glued, and screwed to soundboard.	Treble: hard rock maple vertical laminations capped with solid hard rock maple; planed to prescribed height, graphite coated, drilled, and notched by hand for precise individual string bearing. Design defies splitting. Bass: Solid rock maple mounted to cantilevered and splined base. Maple doweled, glued, and screwed to soundboard.	Treble: Hard rock maple vertical laminations capped with solid hard rock maple; planed to prescribed height, graphite coated, drilled, and notched by hand for precise individual string bearing. Design defies splitting. Bass: Rock maple base cantilevered at angle for maximum resistance to string pressure. Maple doweled, glued and screwed to soundboard.
SCALE	Overstrung; combination agraffe; Front AND rear duplex. Tension: 45,373 lbs. (20,418 kg)	Overstrung; combination agraffe; Front AND rear duplex. Tension: 39,047 lbs. (17,571 kg)	Overstrung; combination agraffe; Front AND rear duplex. Tension: 41,888 lbs. (19,000 kg)	Overstrung; combination agraffe; Front AND rear duplex. Tension: 41,888 lbs. (19,000 kg)	Overstrung; combination agraffe; Front AND rear duplex. Tension: 33,823 lbs. (15,040 kg)	Overstrung; combination agraffe; Front AND rear duplex. Tension: 32,332 lbs. (14,550 kg)	Overstrung; combination bass/tenor break. Treble duplex. Tension: 37,500 lbs. (16,875 kg)	
PLATE	Sturdy gray iron; filled, CNC-milled, and sealed; bronzed and lacquered.	Sturdy gray iron; filled, CNC-milled, and sealed; bronzed and lacquered.	Sturdy gray iron; filled, CNC-milled, and sealed; bronzed and lacquered.	Sturdy gray iron; filled, CNC-milled, and sealed; bronzed and lacquered.	Sturdy gray iron; filled, CNC-milled, and sealed; bronzed and lacquered.	Sturdy gray iron; filled, CNC-milled, and sealed; bronzed and lacquered.	Sturdy gray iron; filled, CNC-milled, and sealed; bronzed and lacquered.	
TUNING PINS	Premium blued steel with rust-resistant, nicked heads.	Premium blued steel with rust-resistant, nicked heads.	Premium blued steel with rust-resistant, nicked heads.	Premium blued steel with rust-resistant, nicked heads.	Premium blued steel with rust-resistant, nicked heads.	Premium blued steel with rust-resistant, nicked heads.	Premium blued steel with rust-resistant, nicked heads.	
STRINGS	Treble: Twelve whole & one-half sizes from high-tensile Swedish steel. Bass: Swedish steel core wire wound with pure copper. Longest, Agraffe to bridge: 79 1/4" (201 cm)	Treble: Twelve whole & one-half sizes from high-tensile Swedish steel. Bass: Swedish steel core wire wound with pure copper. Longest, Agraffe/bridge: 59 1/4" (151 cm)	Treble: Twelve whole & one-half sizes from high-tensile Swedish steel. Bass: Swedish steel core wire wound with pure copper. Longest, Agraffe/bridge: 55 5/8" (141 cm)	Treble: Ten whole & one-half sizes from high-tensile Swedish steel. Bass: Swedish steel core wire wound with pure copper. Longest, Agraffe/bridge: 54 1/8" (137 cm)	Treble: Eleven whole & one-half sizes from high-tensile Swedish steel. Bass: Swedish steel core wire wound with pure copper. Longest, Agraffe/bridge: 49 1/8" (125 cm)	Treble: Twelve whole & one-half sizes from high-tensile Swedish steel. Bass: Swedish steel core wire wound with pure copper. Longest, Agraffe/bridge: 45 1/2" (116 cm)	Treble: Ten whole & one-half sizes from high-tensile Swedish steel. Bass: Swedish steel core wire wound with pure copper. Longest, pressure bar/bridge: 46 3/8" (118 cm)	
HAMMERS	Premium wool top felt over premium wool under felt; treated to resist insects and moisture. Compression-wired to retain permanent shape. Hard rock maple hammer moldings and shanks.	Premium wool top felt over premium wool under felt; treated to resist insects and moisture. Compression-wired to retain permanent shape. Hard rock maple hammer moldings and shanks.	Premium wool top felt over premium wool under felt; treated to resist insects and moisture. Compression-wired to retain permanent shape. Hard rock maple hammer moldings and shanks.	Premium wool top felt over premium wool under felt; treated to resist insects and moisture. Compression-wired to retain permanent shape. Hard rock maple hammer moldings and shanks.	Premium wool top felt over premium wool under felt; treated to resist insects and moisture. Compression-wired to retain permanent shape. Hard rock maple hammer moldings and shanks.	Premium wool top felt over premium wool under felt; treated to resist insects and moisture. Compression-wired to retain permanent shape. Hard rock maple hammer moldings and shanks.	Premium wool top felt over premium wool under felt; treated to resist insects and moisture. Compression-wired to retain permanent shape. Hard rock maple hammer moldings and shanks.	

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	MODEL D	MODEL B	MODEL A	MODEL O	MODEL M	MODEL S	MODEL K
DAMPERS	Premium wool for effective dampening. Maple heads for endurance.	Premium wool for effective dampening. Maple heads for endurance.	Premium wool for effective dampening. Maple heads for endurance.	Premium wool for effective dampening. Maple heads for endurance.	Premium wool for effective dampening. Maple heads for endurance.	Premium wool for effective dampening. Maple heads for endurance.	Premium wool for effective dampening. Maple heads for endurance.
ACTION	White, quarter-sawn hornbeam parts are bushed with specially treated wool action cloth for freedom from friction. Parts are anchored in hard maple dowels housed in inflexible seamless brass tubing to assure precise & stable regulation. Exclusive single, combination phosphor bronze repetition & fly spring provides constant, crisp touch response. Specially designed to respond 14% faster fortissimo & 6% faster pianissimo by using an exclusive combination of half-round balance rail bearings and strategically placed key leads.	White, quarter-sawn hornbeam parts are bushed with specially treated wool action cloth for freedom from friction. Parts are anchored in hard maple dowels housed in inflexible seamless brass tubing to assure precise & stable regulation. Exclusive single, combination phosphor bronze repetition & fly spring provides constant, crisp touch response. Specially designed to respond 14% faster fortissimo & 6% faster pianissimo by using an exclusive combination of half-round balance rail bearings and strategically placed key leads.	White, quarter-sawn hornbeam parts are bushed with specially treated wool action cloth for freedom from friction. Parts are anchored in hard maple dowels housed in inflexible seamless brass tubing to assure precise & stable regulation. Exclusive single, combination phosphor bronze repetition & fly spring provides constant, crisp touch response. Specially designed to respond 14% faster fortissimo & 6% faster pianissimo by using an exclusive combination of half-round balance rail bearings and strategically placed key leads.	White, quarter-sawn hornbeam parts are bushed with specially treated wool action cloth for freedom from friction. Parts are anchored in hard maple dowels housed in inflexible seamless brass tubing to assure precise & stable regulation. Exclusive single, combination phosphor bronze repetition & fly spring provides constant, crisp touch response. Specially designed to respond 14% faster fortissimo & 6% faster pianissimo by using an exclusive combination of half-round balance rail bearings and strategically placed key leads.	White, quarter-sawn hornbeam parts are bushed with specially treated wool action cloth for freedom from friction. Parts are anchored in hard maple dowels housed in inflexible seamless brass tubing to assure precise & stable regulation. Exclusive single, combination phosphor bronze repetition & fly spring provides constant, crisp touch response. Specially designed to respond 14% faster fortissimo & 6% faster pianissimo by using an exclusive combination of half-round balance rail bearings and strategically placed key leads.	White, quarter-sawn hornbeam parts are bushed with specially treated wool action cloth for freedom from friction. Parts are anchored in hard maple dowels housed in inflexible seamless brass tubing to assure precise & stable regulation. Exclusive single, combination phosphor bronze repetition & fly spring provides constant, crisp touch response. Specially designed to respond 14% faster fortissimo & 6% faster pianissimo by using an exclusive combination of half-round balance rail bearings and strategically placed key leads.	White, quarter-sawn hornbeam parts are bushed with specially treated wool action cloth for freedom from friction. Parts are anchored in hard maple rails. Dependable, Direct-Blow design permits ALL parts of the action to lie above the brass capstan screws.
KEYS	European spruce, individually weighed-off. Chip-proof, stain-resistant coverings for naturals; slip-proof, delicately abraded ebonized sharps. Tough, durable Linden wood buttons reinforce keys over balance rail permitting maximum tonal power with every strike. Longest: 24 1/2" (62.2 cm)	European spruce, individually weighed-off. Chip-proof, stain-resistant coverings for naturals; slip-proof, delicately abraded ebonized sharps. Tough, durable Linden wood buttons reinforce keys over balance rail permitting maximum tonal power with every strike. Longest: 21" (53.3 cm)	European spruce, individually weighed-off. Chip-proof, stain-resistant coverings for naturals; slip-proof, delicately abraded ebonized sharps. Tough, durable Linden wood buttons reinforce keys over balance rail permitting maximum tonal power with every strike. Longest: 19" (48.3 cm)	European spruce, individually weighed-off. Chip-proof, stain-resistant coverings for naturals; slip-proof, delicately abraded ebonized sharps. Tough, durable Linden wood buttons reinforce keys over balance rail permitting maximum tonal power with every strike. Longest: 19" (48.3 cm)	European spruce, individually weighed-off. Chip-proof, stain-resistant coverings for naturals; slip-proof, delicately abraded ebonized sharps. Tough, durable Linden wood buttons reinforce keys over balance rail permitting maximum tonal power with every strike. Longest: 19" (48.3 cm)	European spruce, individually weighed-off. Chip-proof, stain-resistant coverings for naturals; slip-proof, delicately abraded ebonized sharps. Tough, durable Linden wood buttons reinforce keys over balance rail permitting maximum tonal power with every strike. Longest: 19" (48.3 cm)	European spruce, individually weighed-off. Chip-proof, stain-resistant coverings for naturals; slip-proof, delicately abraded ebonized sharps. Tough, durable Linden wood buttons reinforce keys over balance rail permitting maximum tonal power with every strike. Longest: 16 1/8" (40.9 cm)

(CONTINUED ON FOLLOWING PAGE)

	MODEL D	MODEL B	MODEL A	MODEL O	MODEL M	MODEL S	MODEL K
KEYBED	Made from planks of stable, quarter-sawn spruce. Horizontal planks are freely mortised together, while their ends are permanently mortised into vertical planks made of birch, presenting a vented system for humidity escapement while allowing for necessary expansion and contraction. Front center is crowned contrasting the reverse-crowned action frame for snug fit. This design intensifies key movement and prevents “slapping” during heavy playing. Large maple dowel ends provide a solid mount for adjustable brass touch-regulating screws. Thickness: 1 3/4” (4.45 cm)	Made from planks of stable, quarter-sawn spruce. Horizontal planks are freely mortised together, while their ends are permanently mortised into vertical planks made of birch, presenting a vented system for humidity escapement while allowing for necessary expansion and contraction. Front center is crowned contrasting the reverse-crowned action frame for snug fit. This design intensifies key movement and prevents “slapping” during heavy playing. Large maple dowel ends provide a solid mount for adjustable brass touch-regulating screws. Thickness: 1 3/4” (4.45 cm)	Made from planks of stable, quarter-sawn spruce. Horizontal planks are freely mortised together, while their ends are permanently mortised into vertical planks, presenting a vented system for humidity escapement while allowing for necessary expansion and contraction. Front center is crowned contrasting the reverse-crowned action frame for snug fit. This design intensifies key movement and prevents “slapping” during heavy playing. Large beech dowel ends provide a solid mount for adjustable brass touch-regulating screws. Thickness: 1 3/4” (4.45 cm)	Made from planks of stable, quarter-sawn spruce. Horizontal planks are freely mortised together, while their ends are permanently mortised into vertical planks, presenting a vented system for humidity escapement while allowing for necessary expansion and contraction. Front center is crowned contrasting the reverse-crowned action frame for snug fit. This design intensifies key movement and prevents “slapping” during heavy playing. Large beech dowel ends provide a solid mount for adjustable brass touch-regulating screws. Thickness: 1 3/4” (4.45 cm)	Made from planks of stable, quarter-sawn spruce. Horizontal planks are freely mortised together, while their ends are permanently mortised into vertical planks, presenting a vented system for humidity escapement while allowing for necessary expansion and contraction. Front center is crowned contrasting the reverse-crowned action frame for snug fit. This design intensifies key movement and prevents “slapping” during heavy playing. Large maple dowel ends provide a solid mount for adjustable brass touch-regulating screws. Thickness: 1 3/4” (4.45 cm)	Made from planks of stable, quarter-sawn spruce. Horizontal planks are freely mortised together, while their ends are permanently mortised into vertical planks, presenting a vented system for humidity escapement while allowing for necessary expansion and contraction. Front center is crowned contrasting the reverse-crowned action frame for snug fit. This design intensifies key movement and prevents “slapping” during heavy playing. Large maple dowel ends provide a solid mount for adjustable brass touch-regulating screws. Thickness: 1 3/4” (4.45 cm)	Made from planks of stable, quarter-sawn poplar. Horizontal planks are freely mortised together, while their ends are permanently mortised into vertical planks made of birch, presenting a vented system for humidity escapement while allowing for necessary expansion and contraction. Hand-milled to be flat and true correlating with key frame for snug fit. Strong, rugged construction provides a solid mount for keyframe and action allowing for precise and prolonged action regulation. Thickness: 1 3/4” (4.45 cm)
PEDALS	Heavy, solid brass. Soft, sustaining, and full sostenuto.	Heavy, solid brass. Soft, sustaining, and full sostenuto.	Heavy, solid brass. Soft, sustaining, and full sostenuto.	Heavy, solid brass. Soft, sustaining, and full sostenuto.	Heavy, solid brass. Soft, sustaining, and full sostenuto.	Heavy, solid brass. Soft, sustaining, and full sostenuto.	Heavy, solid brass. Soft, sustaining, and full sostenuto.





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