

  
**C. BECHSTEIN**

# Academy A 175



# Welcome to the exquisite German grand and upright piano manufactory.

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Piano music should  
only be written  
for the Bechstein.

Claude Debussy

**Ever since 1853,  
C. Bechstein has been  
handcrafting the finest  
masterpieces of  
German piano tradition,  
the gold standard for the  
most sophisticated ears  
and discerning fingers.**

The grand pianos in the C. Bechstein Academy line possess a wonderfully illustrious and elegant yet also fresh and impulsive sound.

Like the Concert line, Academy grand pianos are built to uncompromisingly high standards of quality by experienced masters at the C. Bechstein manufactory in Seiffhennersdorf.

With the warm, coveted C. Bechstein sound, Academy grand pianos are suitable for a wide range of music genres. This makes them the perfect instrument for any professional pianist, ambitious musician or music lover, as well as conservatories and universities.

A warm, intimate and colorful sound

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High controllability from any position of  
the key movement, quick repetition

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C. Bechstein hammer heads with  
mahogany mouldings

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Fine-grained soundboard made from  
European mountain spruce

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Inner rim made from cross-laminated sheets  
of beech veneer

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Compatible with Bluetooth MIDI  
(C. Bechstein Connect)

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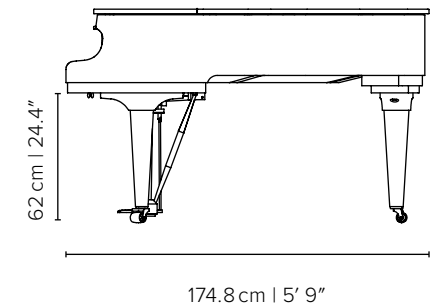
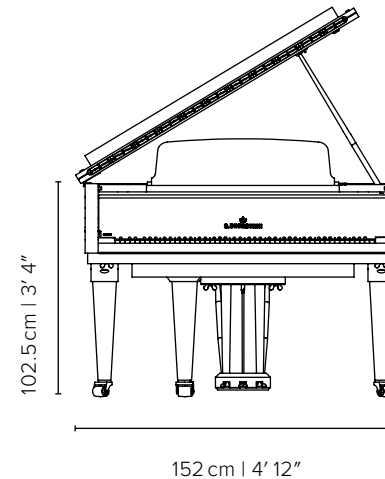
— IRMA GIGANI —

# Academy A 175

## Top quality – Handmade in Germany

The A 175, the larger of the more compact C. Bechstein Academy grand pianos, also adapts well to smaller rooms and yet offers great dynamics and impressive tone colors for its size. Its pleasant touch is characterized by precise controllability and nuance.

<b>Dimensions &amp; weight</b>	174.8 × 152 cm   340 kg 5' 9" × 4' 12"   750 lbs
<b>Designs</b>	Black, white; other finishes and veneers available on request
<b>Soundboard</b>	Fine-grained European mountain spruce
<b>Action &amp; hammerheads</b>	Original C. Bechstein components; Developed and produced by C. Bechstein
<b>Pedals</b>	Piano (Una Corda), Sostenuto, Forte (Dampers)
<b>Keys</b>	Man-made white key tops with a pleasant grip & ebony sharps
<b>Music stand</b>	Tiltable in 8 angles
<b>Lid prop</b>	2-piece, fully or half open lid



[→ Learn more about the model](#)

# Academy A 175 | Acoustic assembly

## C. BECHSTEIN RESILIENT SOUND SYSTEM

Carefully selected, cleverly balanced components as well as manufacturing techniques developed and carefully guarded by C. Bechstein guarantee sound-supporting tension, optimal tuning stability and exceptional longevity.

## INNER AND OUTER RIM

The inner rim constitutes the soundboard frame and, like the outer rim, is a single piece of **cross-laminated 1mm thick layers of European beech veneer**. Pretensioned by the method of gluing and balanced by the resting period, the inner rim helps prevent the loss of energy from the soundboard in the acoustic assembly.

## BACK FRAME

The robust, triple-laminated tapered pine braces with **continuous external layers** are affixed to the inner rim by strong **dowel joints**. ① The belly rail is made of glued beech and pine with a **soundboard support rail made from solid beech**.

## PINBLOCK

Block with three solid layers of American hard maple, outer layers made from cross-laminated sheets of beech veneer. High proportion of solid wood for excellent and even tunability and tuning stability

## TUNING PINS

Quality tuning pins made from nickle-plated steel, **6.9 mm × 64 mm**. Balanced torque, low torsion, excellent tunability and tuning stability, **with tuning pin bushings**.

Back frame using the example of C. Bechstein Academy A 190





— ARTISANS — C. BECHSTEIN MANUFACTORY SEIFENHERSDORF —

# Academy A 175 | Acoustic assembly

## CAST-IRON FRAME

The cast-iron frame has the stability needed to withstand the enormous string tensions. Thanks to the careful sizing and traditional method of sand casting by hand, the cast-iron frame also enhances the sound.

## STRINGS

Made from quality piano wire with high tensile strength and valuable copper wire from Germany, the strings have been calculated to maximize string length with a balanced register, harmonious partials and excellent tuning stability.

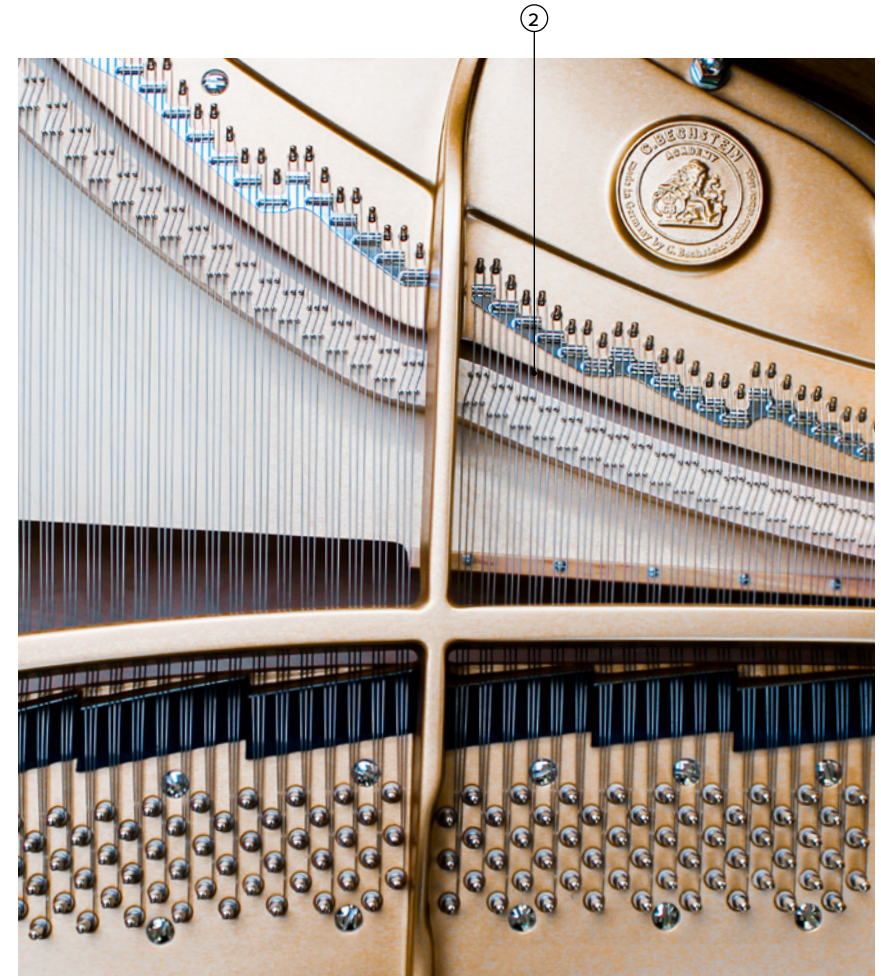
C. Bechstein agraffes in bass and the middle range, capo d'astro with duplex strings in the treble section, duplex scaling in the rear middle and treble section.

## DUPLEX SYSTEM ②

Resonating duplex strings enrich the color and vibrancy of the tone. The system comprises the front duplex strings at a defined angle to the speaking length for a clear, colorful sound, as well as the rear duplex strings that enrich the harmonic overtones of the strings, mainly tuned in fifths and octaves.

## SOUNDBOARD

The soundboard and ribs are made from selected, fine-grained European mountain spruce, which is stored for years and dried carefully. The bridges consist of **solid European beech with European beech caps**. The board has an **even thickness of 8 mm**. The ribs are not tapered at the edges until they have been glued onto the soundboard. The back frame and outer rim are fully glued and stored for months before the soundboard is glued on.





– ARTISANS – C. BECHSTEIN MANUFACTORY SEIFNEHERSDORF –

# Academy A 175 | Action

## C. BECHSTEIN DYNAMIC TOUCH DESIGN

Developed in-house, the highly reliable C. Bechstein actions allow perfect control and execution in every position of the key movement and offer quick repetition as well as a pleasant and even touch. Every key is balanced individually.

## KEYBOARD

A quality keyboard made of solid spruce keys, man-made white key tops with a **pleasant grip** and ebony sharps. Precise key movements with high-quality, wear-resistant bushing felt. Adjustable glide bolts support the balance rail. Precise and perfectly adjustable keyboard guidance mechanism in the cheek block.

## C. BECHSTEIN ACTION ③

All components are designed, specified, selected, inspected and calibrated for precise and reliable function and durability. Strict selection and testing of all materials with regard to density, durability and gliding properties guarantee a reliable action at all times. **Traditional action frame with wooden rails.**

## C. BECHSTEIN CONNECT

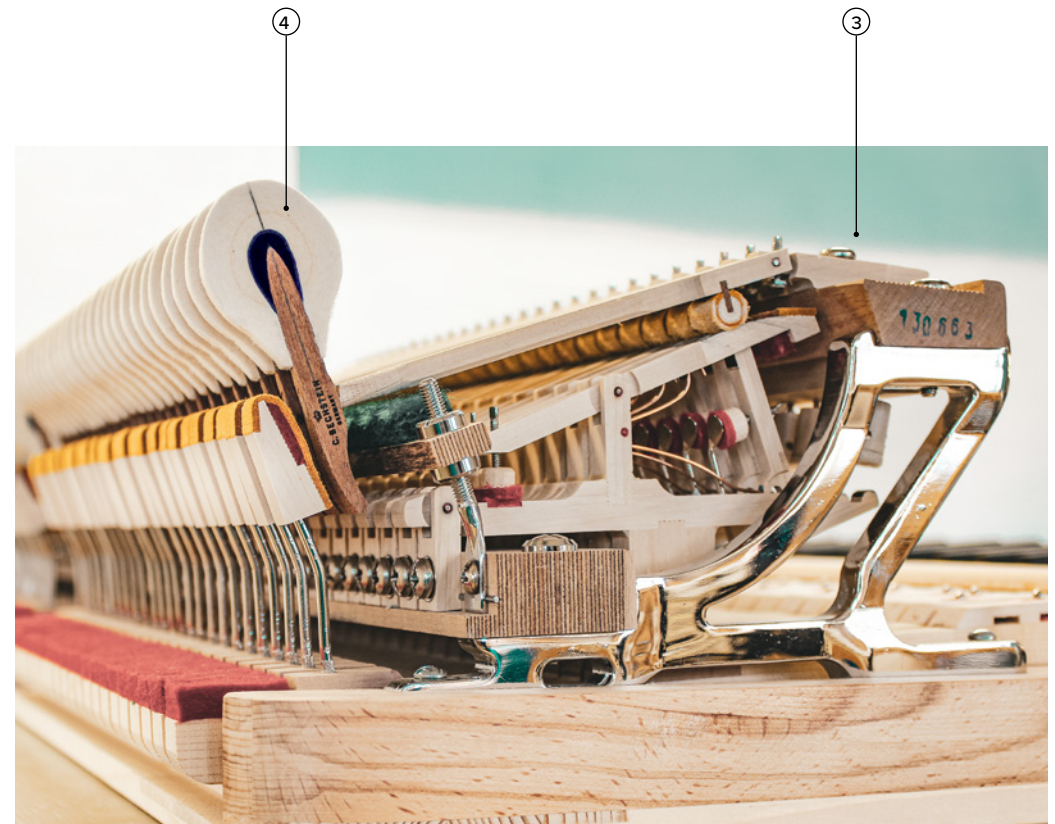
High-resolution, contactless infrared sensors record the piano piece, convert it to MIDI and make it available via Bluetooth. The original touch of the acoustic instrument is maintained.

## C. BECHSTEIN HAMMER HEADS

Developed and produced in-house, C. Bechstein hammer heads ④ are a significant and consistent factor in the unique sound of the C. Bechstein Academy line – made with the highest-quality elastic felt and **mahogany** mouldings. The intricate, multi-stage process of voicing is **performed to C. Bechstein quality standards.**

## PEDALS

3 pedals: Piano (una corda), sostenuto and forte (damper)





— ARTISANS — C. BECHSTEIN MANUFACTORY SEIFENHEHERSDORF —

# Academy A 175 | C. Bechstein Digital Systems

## C. Bechstein Connect & Connect Pro

C. Bechstein Connect is a digital component for an acoustic instrument. While playing the piano, the system scans the keyboard and pedals of the instrument in high resolution and converts the data into MIDI, a universal musical instrument language. It connects to the popular apps via Bluetooth. The original touch of the acoustic instrument is maintained.

### BLUETOOTH-MIDI

Connect smartphones, tablets or notebooks via Bluetooth to C. Bechstein Connect and popular apps for learning, playing or composing music.

### SENSOR TECHNOLOGY ①

Optical sensors record the most subtle nuances in the movements of keys and pedals without making contact, providing flawless digital control over dynamics, articulation and agogic accents. Infrared sensors perform more than 200,000 measurements per second and calculate key velocity every 400 microseconds.

### CONNECT PRO

The USB-C interface built into the C. Bechstein Connect Pro provides a wired connection with minimum latency for professional recordings in a studio.

Paired with the installation of the C. Bechstein hammer stop rail, which is configured for each individual instrument model, the instrument becomes a master keyboard.

### POSSIBLE APPLICATIONS ②

#### MUSIC PRODUCTION

C. Bechstein Connect is compatible with popular DAW solutions such as Logic, Ableton and Cubase, making it easy to record piano pieces and produce music with plugins, loops and samples.

#### MUSICAL NOTATION

C. Bechstein Connect is compatible with notation software including Sibelius, Dorico and Finale, for notation in real time.

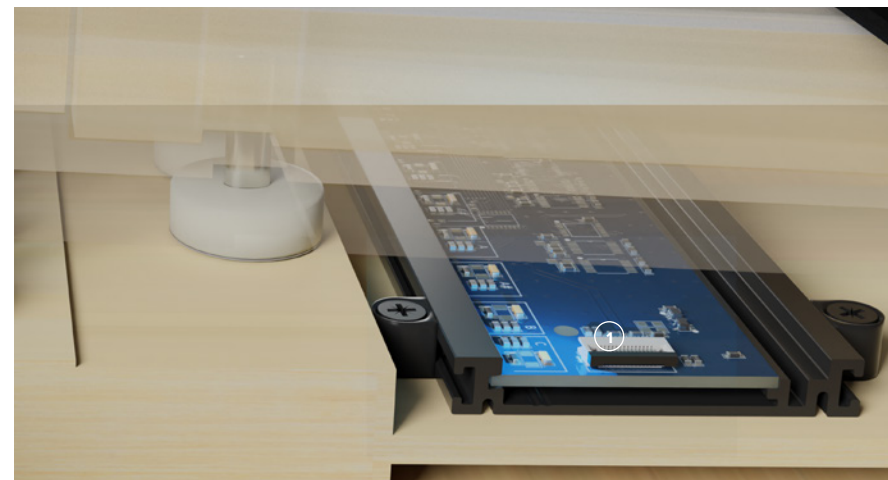
#### DIGITAL MUSIC LESSONS

C. Bechstein Connect and the all-in-one platform for digital music lessons doozoo (by C. Bechstein) are made for each other. In conjunction with C. Bechstein Connect, doozoo visualizes the notes played in a chord diagram or on the integrated virtual piano.

#### SOFTWARE INSTRUMENTS

Sample databases such as the Vienna Symphonic Library or virtual instruments like Pianoteq provide thousands of sounds for the piano.

The C. Bechstein Digital Grand Library sets new standards in the world of digital grand pianos.



# Academy A 175 | Digital extensions (optional)

## VARIO duet – Silent-System

Das VARIO duet ③ adds a silent mode ④ and sound generation to C. Bechstein Connect. The sound module has two headphone outputs and high-fidelity Audio I/O.

### OPERATION ⑤

Easy to operate with a single button. The built-in USB-C interface provides cutting-edge connectivity and recharges connected devices at high speeds of up to 45 W.

### HAMMER STOP RAIL ⑥

The rail stops the hammers just before they touch the strings and mutes the acoustic piano. The original touch and the precise, controllable key strikes are maintained.

### THE VARIO APP ⑦

The VARIO app for iOS / iPadOS and Android is the set-up and control centre for the VARIO digital system.

### HEADPHONES ⑧

C. Bechstein headphones were developed especially for the VARIO silent systems. Their high fidelity and optimal wearing comfort are their hallmarks.

### SOUND

The digital sound of the C. Bechstein Concert D-282 delivers a vast dynamic range and a remarkably sophisticated sound spectrum. Fully orchestral and clear across all registers for maximum artistic expressiveness.



# Academy A 175 | Technical data

## DIMENSIONS, WEIGHTS, COLORS

<b>Dimensions (L · W · H)</b>	174.8 cm   5' 9" × 152 cm   4' 12" × 102.5 cm   3' 4"
<b>Leg room</b>	62 cm   24.4"
<b>Net weight</b>	340 kg   750 lbs
<b>Designs</b>	Black, white; other finishes and veneers available on request

## ACOUSTIC ASSEMBLY

### Soundboard

<b>Material</b>	Fine-grained European mountain spruce
<b>Tapering</b>	8 mm

### Ribs

<b>Number</b>	12
<b>Material</b>	Fine-grained European mountain spruce
<b>Tapering</b>	After gluing the ribs to the soundboard

### Bridge

<b>Bridge body</b>	Solid Beech
<b>Bridge cap</b>	Solid Beech

### Rim beams

<b>Number</b>	3
<b>Material</b>	Rim beams of solid Pine, triple laminated
<b>Dimensions</b>	65 cm × 127 cm

<b>Belly rail</b>	Lower vertical part made of solid beech, upper horizontal part made of solid pine with soundboard support made of solid beech
<b>Rim</b>	Solid beech
<b>Connection between beams &amp; rim</b>	Diagonal dowels
<b>Position of plate bolts</b>	Centered in the rim beams
<b>Pinblock</b>	C. Bechstein pin block with three cross-laminated, solid hard maple layers, outer layers made from cross-laminated sheets of beech veneer.
<b>Tuning pins</b>	Nickle-plated steel, 6.9 mm × 64 mm
<b>Cast-iron frame</b>	Sand-cast grey iron, drilled and milled with CNC technology.
<b>Bass / Middle / Treble 1 / Treble 2</b>	26 / 26 / 18 / 18
<b>Agraffes</b>	
<b>Material</b>	Brass
<b>Number of bass</b>	26
<b>Number of middle length</b>	26
<b>Treble</b>	Capo d'astro
<b>Longest tenor string</b>	1,100 mm
<b>Front duplex</b>	Both treble sections
<b>Rear duplex</b>	Treble and upper middle section
<b>Bell</b>	No bell

# Academy A 175 | Technical data

## ACTION

<b>White keytops</b>	Man-made white keytops
<b>Black keytops</b>	Ebony
<b>Key material</b>	Spruce; with stable felt bushings treated for minimal friction and wear resistance
<b>Total length Key 1</b>	504 mm
<b>Total length Key 88</b>	504 mm
<b>Key 1 levers: front/rear</b>	251.5/123.5 mm
<b>Key 88 levers: front/rear</b>	251.5/123.5 mm
<b>Key frame</b>	Spruce with Maple inlay for firm fixation of pins
<b>Key bed</b>	Stable and climate resistant multilayer wood
<b>Keyboard guidance</b>	Precise and perfectly adjustable keyboard guidance mechanism in the cheek block

## Action

<b>Frame</b>	Traditional action with wooden rails
<b>Parts</b>	Hornbeam
<b>Down weight</b>	Bass: 54 g   Middle: 52 g   Treble: 50 g (+/- 2 g)
<b>Up weight</b>	Bass: 23 g   Middle: 25.5 g   Treble: 28 g (+/- 2 g)
<b>3 pedals</b>	Piano (Una Corda), Sostenuto, Forte (Dampers)

## HAMMERHEADS

<b>Manufacturer</b>	C. Bechstein Pianofortemanufaktur, Seifhennersdorf, Saxony, Germany
<b>Core wood type</b>	Mahogany

## MUSIC STAND

<b>Positions</b>	tiltable in 8 angles
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## LID

<b>Lid support/lid positions</b>	2-piece, fully or half open lid
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## FALLBOARD

<b>Soft close</b>	Softclose fallboard
<b>Lock</b>	Lock for fallboard and lid

## CASTERS

<b>Single / Double wheel, brake</b>	Single castors
<b>Diameter</b>	48 mm

## MANUFACTURER

<b>Manufacturer</b>	C. Bechstein Pianofortemanufaktur, Seifhennersdorf, Saxony, Germany
<b>Quality control</b>	Quality control by C. Bechstein master piano makers and concert technicians
<b>Warranty</b>	5 years manufacturers warranty by C. Bechstein, Germany

**Established by  
Carl Bechstein in Berlin  
in 1853 and beloved  
by the most significant  
artists ever since, from  
Franz Liszt to Elton John.**

C. Bechstein is one of the very few names to be synonymous with outstanding grand and upright pianos the world over. Established by Carl Bechstein in Berlin in 1853, the pianoforte workshop quickly grew into a company which, to this day, enjoys a stellar reputation in the eyes of musicians.

The quality of its pianos was valued by Franz Liszt, Richard Wagner and Hans von Bülow, as well as by Wilhelm Backhaus, Sergei Rachmaninoff and Leonard Bernstein.

The name “C. Bechstein” can even be found on the pages of pop and rock history. The greatest hits by Elton John, the Beatles, Queen and countless other artists were crafted on C. Bechstein pianos. This is due in no small part to the founder’s passion for development, to which the company remains beholden to this day.

Relentless research and development, supreme vertical integration down to the smallest details and continuous expert training mean our pianos represent the absolute pinnacle of piano construction — always in the spirit of C. Bechstein’s famed touch and sound.

**Fascinating  
sound. Loved  
and adored ever  
since it was  
developed by the  
visionary master  
piano maker  
Carl Bechstein.**

#### **PUBLISHING DETAILS**

© 2025 C. Bechstein Sales & Service GmbH  
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Pictures: Pascal Bünning, C. Bechstein

C. Bechstein reserves the right to make technical changes to all models with regard to acoustic construction, cabinet, leg and lyre design and finishes.