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# Pianos.

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*Concert grand piano, pianos for chamber music.*

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18  19  
**SAUTER**  
—Pianofortemanufaktur—



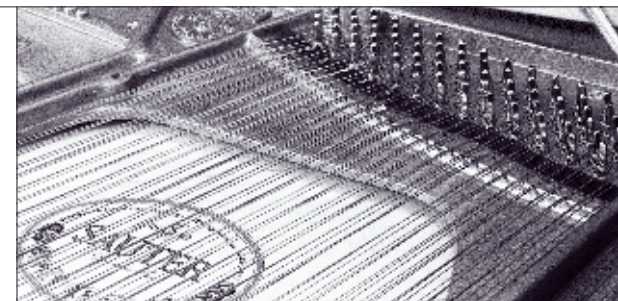
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# Grand Pianos for life.

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*Building the foundation of a new sound tradition.*

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In the beginning you wish for the exceptional. For the sound of unparalleled beauty and refinement. For an instrument not only reviving music, but also giving wings to your musicality. It is simply beautiful when this wish comes true with a grand piano by SAUTER. The reason for this is that our instruments are filled with passion and perfectionism. They capture you with their sonority, differentiated variety and highest expressiveness. In addition they look outstanding in every spotlight – in concert halls, parlours and also in modern living spaces. Pick from a choice of four resonating bodies and derived versions your personal grand piano by SAUTER.

Now prepare yourself for a pleasurable and enchanting journey!

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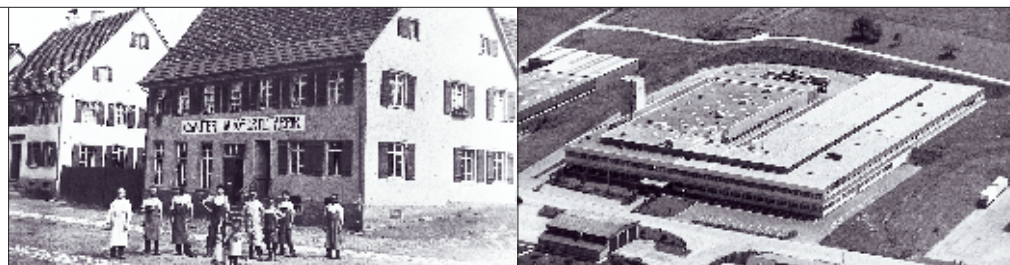
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## *Manufacturing philosophy since 1819.*

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SAUTER started building pianos nearly 200 years ago. Johann Grimm, the founder of the company, learned the trade of piano making from Johann Andreas Streicher in Vienna, who built Beethoven's instruments. This is how the founder of SAUTER early became acquainted with the high requirements of the famous composer. After successful completion of his apprenticeship, he started building square pianos himself. The art of building such high-standard pianos grew into a family tradition, with new improvements and refinements evolving into an excellent culture of sound. Joyfulness in innovation has become an inherent part of our philosophy. SAUTER placed the emphasis on developing the double repetition action of grand pianos and implementing high standard pianos of master quality. The exclusive range of "Sauter – designed by Peter Maly" earmarked a milestone especially created for modern living concepts.

Today's manufacturing philosophy pitches the note at SAUTER. All parts conferring the spirit to the piano are crafted manually. Machines do not govern here, expert hands are at work instead. The wood is sweet with the sound beating the time. This is how value-abiding pianos and grand pianos originate, all of which can be seen and felt.



# How beauty in sound emerges.

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*Sound by means of precision.*

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*A grand piano is far more than the sum of its parts. Beauty in sound emerges by the harmonious interaction of countless details...and by the love, experience, and musical sensitivity of the grand piano maker. One glance at the inside of our grand pianos reveals many secrets in sound.*

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## **The Sound Board**

The special “SAUTER Spherical Concavity®” of the sound board of all pianos and grand pianos designed by SAUTER bears the secret of its particular sound. These everlasting sturdy and tone-supporting cove, originates from a worldwide unique manufacturing process, which can only be mastered after many years of intensive experience. Point of origin is evenly grown spruce wood from regions in low mountain ranges and the Alps, which is eminently hard yet airy and flexible. The forms and positions of the structure slats are crucial for the precise concavity, which is glued together, in one form and under immense pressure, to the sound board, thereby stabilizing the concavity, which remain without wanting to revert into their flat form. This conveys the desired membranous effect, in favour of an enduring pureness and clarity in tone.

Developed and researched over many years, the manufacturing process of the sound board is one of the sound characteristics of SAUTER, which is so inimitably lively and bright. This can be guaranteed for the future since the past decades have shown that it is impossible to copy this process. So what are the main differences with other soundboards used on the market? The sound boards of other pianos are often solely cylindrical formed, resulting in a rather modest sound irradiation. Using woods of minor quality, or spruce planks of unknown origin and pre-treatment, are of equal negative influence. Soundboards made of veneered spruce plywood are particularly poor for conducting tone, as they are too heavy and too stiff.

### **Bridges and Strings**

The “SAUTER Spherical Concavity®” creates wonderful conditions to let the sound board vibrate individually and produce high overtones. The energy of the swinging strings is then carried forward by the bridges, which are glued to the sound board. The strings rest on these bridges with a certain pressure and are secured with pins so that as much swinging energy as possible is transmitted through to the sound board.

It is the fine-tuning of the actual string strength, string tension and bridge pressure which determine the tone character and its expression. If any one of these components changes over time, the concavity for example, the soul of sound gets lost.

Strings are made of high-quality steel, which cannot be too hard or too soft. Bass strings are wound with up to 99.9% with pure copper in order to achieve the necessary physical mass. To guarantee this quality we produce these strings ourselves on our premises.

### **Harmony and Precision**

SAUTER s high-class musical quality appears in the harmonic interaction between the following factors:

- the right choice of wood used for sound boards, bridges and structural bracing,
- the “SAUTER Spherical Concavity®”
- the precise manufacture of bridges and pins
- the high and consistent quality of strings
- high-precision agraffes for a clean restriction in the string s speaking length
- first-class components of the string s attachment, like agraffes, pins and duplex scale parts which are accurately manufactured with brass and steel respectively, in the concert grand 275 CONCERT we use pure titanium.

The specification of all tone-relevant components are individually designed and developed for each type of grand piano.

### Iron Plates and Backs

The cast iron frame has to permanently hold enormous tractive forces of more than 20 tons without bending or resonating. Only elaborate grey iron combined with constructive acuteness of the best workmanship can accomplish this, hence it is used by SAUTER. Panels poured under vacuum, a technique also used for the production of other instruments, are over-dense and tend to turn oscillation energies into undesired natural vibrations, in doing so preventing these energies from being transmitted into the resonating body.

The sound board is firmly attached to a strong back. A back is a heavy timber-frame construction at the back of the grand piano or rear side of the grand piano. This is why the sound board can freely swing and the oscillating energy can be reflected by the back again and again, thus prolonging the sound of tones. In favour of excellent sound, SAUTER chose the elaborate road to building grand pianos. When building a grand piano, a lot of manufacturing steps can be simplified or made more machine-suitable. However, the quality of sound would suffer and the sparkling and bright tones of SAUTER's grand pianos are precisely their feature! Because our clients have appreciated this beauty in tone, we will continue this process as we have done for nearly 200 years.



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## *Sound through senses.*

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### **The String Scale**

Unlike in the art of rational engineering, subjective feeling plays a decisive role in the manufacture of grand pianos. The grand piano maker has firstly to decide how his grand piano should sound and then has to seek ways to achieve his goal. The first step is to string scale, i.e. lengths, profiles and tractive forces of strings. This is the foundation of a grand piano, its genetic design so to say. Although computer programmes are being used to calculate the parameter nowadays, the core area in manufacturing grand pianos offers a wide field of empirical assignments demanding a keen musical sense and vast experience. These abilities plus 200 years of tradition have given the pianos and grand pianos of SAUTER their bright and unmistakable sound characteristics.

### **The Hammerheads**

Every pianist knows that a grand piano tone emerges when a small hammer coated with felt strikes the string. Extreme slow motion pictures have shown lately that this process is even more complicated than previously believed among experts. The hammerhead is not only the interface between musician and sounding body but is also involved in the tone's implementation, therefore, part of musical expressiveness. This is why we at SAUTER pay the highest attention and diligence to this issue. A variety of factors need to be considered: the felt's strength, texture and form, the hammer shank and mouldings and the glueing process dictate the spectrum of overtones and consequently the instrument's musical quality. The optimum for this cannot be calculated; it only can be achieved with intuition and experience.

### **Voicing the Grand piano**

Like creating a scintillant work of art when faceting a raw diamond, the voicing of the hammerhead is one of the piano's, or grand piano's, most important steps, but also one of the most difficult ones. The SAUTER grand piano makers treat the hammerheads by dint of thin needles and finest sandpaper in order to create the unmistakable SAUTER SOUND in every SAUTER grand piano. Besides skilled craftsmanship and experience, musical intuition is essential for its success. Only a finely voiced instrument can entirely unfold its sonority and respond to the pianist's nuances in playing.





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## *The superb feeling of playing.*

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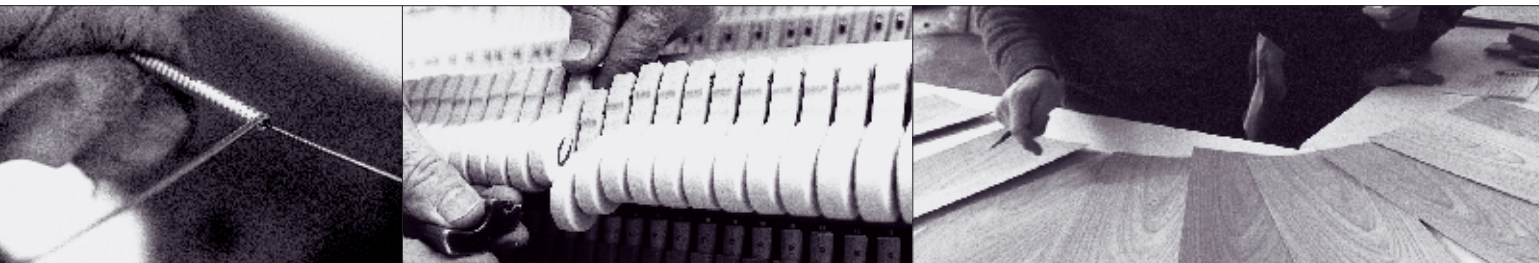
### **Keyboard and Action**

As precious silverware contributes to the savouring of good food, first-class and lovingly elaborated keyboard and action similarly contribute to the relishing of piano music. The keyboard is part of the musical mechanism, which is often paid little attention to. Nevertheless, if it was not flawlessly built, the enjoyment is soon blurred by gripping or scrubbing keys. SAUTER was the first pianoforte manufacturer to introduce the modern steel keybed, precluding any warping of the keyboard.

The action, as a most important part of the musical mechanism, provide for the transformation of energy, which initiates when striking a key, through the hammerhead and into oscillation energy. Good grand pianos are rich in overtones, which transmit the tones according to the intensity of the touch – this is the source of expressiveness. Hence it is of great importance to everyone playing the grand piano to develop ones touch, thus enlarging the diversity in tone, which is only possible with a perfectly designed action, produced with the best possible accuracy and which is properly set.

When visiting the SAUTER pianoforte workshop you will appreciate that it takes more than just craftsmanship to put together more than 6,000 pieces of wood, leather, felt and metal in one single musical mechanism to create a sound with no musical limits.

A superb playing experience!



# 275 Concert

*The large concert grand.*

*polished black*



Height: 110 cm, 3'6"  
Width: 159 cm, 5'2"  
Depth: 275 cm, 9'0"  
Weight: 560 kg, 1,234 lbs

\* Utility patent no. 29520529.6

\*\* Patent no. 19506971

\*\*\* Titanium duplex, patent no. 102005002019

The sound of a new dimension! This large concert grand has been purpose-built for professional pianists and concert halls. It stands out due to its energy, carrying capacity and rich sound composition. Its sweepingly fiery bass and glowing discant, enthuse with

transparency and freshness, without becoming anonymous or cool. Its differentiated variety provides the finest possibilities to move effortlessly from pianissimo to fortissimo, and features a wide spectrum of tone colour at its best. Concert is built with carefully selected materials, and is crafted by expert hand. Its highly sustainable market value turns the concert grand into an instrument made for generations.





## *The large concert grand.*

275 Concert

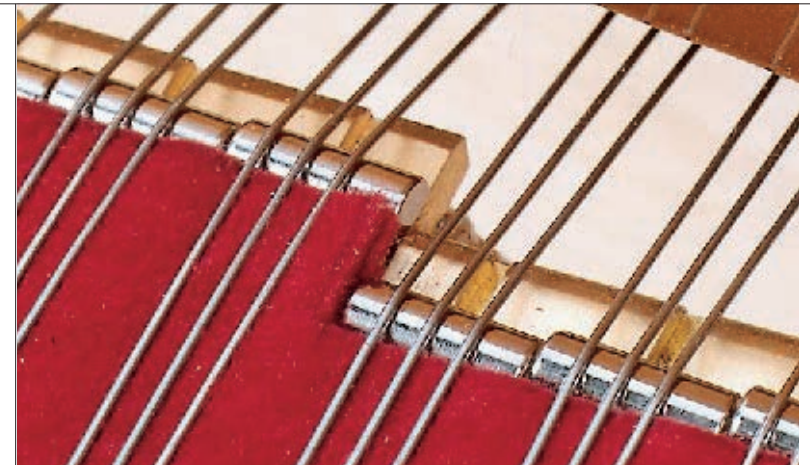
The sound board is made of the finest mountain spruce and the hammerheads are specifically chosen and manufactured for this very special product. The black keys are made of exotic woods, and the delightful whole tones of natural mineral materials. Large brass castors with a stop brake and a synthetic overlay. Multilayered backs, with

a glued frame and integrated beech wood beams. Bridges crafted using maple. Hydraulic damper\* for the grand piano fall board. User friendly music stand\*\* with convenient 'single-handed' operation, for extra reliability and comfort whilst playing. Sostenuto pedal (sustaining pedal).

## **Titanium duplex<sup>\*\*\*</sup>**

*True sound innovation for total purity of tone.*

For the first time, fine adjustments of grand piano strings can now be carried out at the duplex bridge in the treble section, by means of sliding supporting bents made from titanium, which can be operated individually. This enables direct tuning of each string, to precise values and thus offers a tone of absolute purity. A great benefit of using titanium can be seen by its outstanding ability to conduct sound and to add impedance, which provides additional sound potential at further crucial points during sound transfer. This consequently makes this concert grand 275 by SAUTER, completely unique.







*Concert Hall Düsseldorf*

# 220 Omega

*The concert grand with extension register\*\*\**

*polished black*



Height: 102.5 cm, 3'4"  
Width: 154 cm, 5'0"  
Depth: 220 cm, 7'3"  
Weight: 385 kg, 849 lbs

\* Utility patent no. 29520529.6

\*\* Patent no. 19506971

\*\*\* Utility patent no. 29500460.6

This concert grand can be described as dynamic and powerful, yet sensitive and charming. The sound board, which is made of finest mountain spruce, provides for wonderfully rich variations in tone. Omega offers sensitive ways of expression, thanks to its soft and light response during play.

Specially selected hammerheads, intonated by expert hand, are full of dynamic and allow finest shades in tone and brilliant sound colours.

Key features: black keys are made of ebony. Large double brass castors with polyamines coating and stop brake. Sostenuto pedal (sustaining pedal). Lid prop made of solid maple for greater brightness of sound. Hydraulic fall damper\*. User friendly music stand\*\* with convenient 'single-handed' operation, for extra reliability and comfort whilst playing. Extension register\*\*\* for contemporary compositions.





## *The concert grand with extension register\*\*\**

220 Omega

When playing the concert grand, contemporary compositions will often dictate to the pianist the various strings that need direct accessibility when playing, as well as purely striking the keys. This is why SAUTER has developed an extension register\*\*\* for the Omega 220. Coloured register lines mark the position of the partial tones, providing the ability to immediately find the relevant positions on a string. This allows for a rapid change between keys and strings. To make orientation between the numerous strings easier, we additionally insert dampers, which are marked according to the keys, be it either black or white.



*Extension register*





*polished burl walnut*



*polished pyramid mahogany*

# 185 Delta

*The grand piano for the parlour*

*polished black*



Height: 101 cm, 3'3"  
Width: 152 cm, 5'0"  
Depth: 185 cm, 6'1"  
Weight: 330 kg, 727 lbs

\* Utility patent no. 29520529.6

\*\* Patent no. 19506971

Meeting the Extraordinary. This grand piano is truly convincing with its balanced and sensitive touch, which produces countless shades of sound. The grand piano's sound sensitive touch sets standards and enchantment – time and time again!

This is the ideal instrument for chamber music concerts and for developing personal lifestyles. The sound board is made of finest mountain spruce. The hammerheads have special felts, which have been vigilantly selected. Large double brass castors. Sostenuto pedal (sustaining pedal). Lid prop made of solid maple for greater brightness of sound. Hydraulic fall damper\*. User friendly music stand\*\* with convenient 'single-handed' operation, for extra reliability and comfort whilst playing.





## *The grand piano for the parlour*

185 Delta



*polished bubinga*



*satin maple*



*polished black with a burl walnut application*

*The grand piano for the parlour*

185 Delta



*polished Rio rosewood*



*polished pyramid mahogany*



# 160 Alpha

*The grand piano for the music room.*

*polished black*



Height: 101 cm, 3'3"  
Width: 152 cm, 5'0"  
Depth: 160 cm, 5'3"  
Weight: 285 kg, 628 lbs

\* Utility patent no. 29520529.6

\*\* Patent no. 19506971

This grand piano is small and compact, yet rich in sound, with surprising volume. Due to its length of bass strings, the small grand piano by SAUTER convinces all with its ample and effortless sound, which is rich in fundamental tones. This grand piano is a real highlight in

its class. It has a very stable construction due to the beams being made of solid beech wood and a multilayered, glued frame. The sound board is made from a quality mountain spruce, and special felts have been chosen for the hammerheads. Large, double brass castors. Sostenuto pedal (sustaining pedal). Lid prop made of solid maple for greater brightness of sound Hydraulic fall damper\*. User friendly music stand\*\* with convenient 'single-handed' operation, for extra reliability and comfort whilst playing.

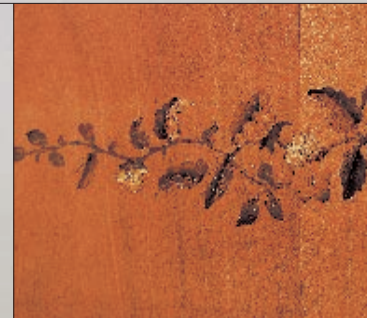




# 160 and 185 Noblesse

*A noble promise.*

*satin cherry wood*



Height: 101 cm, 3'3"  
Width: 152 cm, 5'0"  
Depth: 160 respectively 185 cm, 5'3", 6'1"  
Weight: 285 respectively 330 kg, 628 lbs, 727 lbs

\* Utility patent no. 29520529.6

\*\* Patent no. 19506971

This is a grand piano, which has stunningly beautiful, and affectionate ornamental decoration, with wooden inlays crafted by tender, expert hand. It has octagonal legs with hand-carved columns. It houses a clear, open and

simply brilliant sound. Key features: double brass castors. Sostenuto pedal (sustaining pedal). Lid prop made of solid maple for greater brightness of sound. Hydraulic fall damper\*. User friendly music stand\*\* with convenient 'single-handed' operation, for extra reliability and comfort whilst playing.





*A noble promise.*

160 and 185 Noblesse



*polished mahogany*



*polished burl walnut*

# 160 and 185 Chippendale

*Art and harmony.*

*satin cherry wood*



*Hight:* 101 cm, 3'3"

*Width:* 152 cm, 5'0"

*Depth:* 160 respectively 185 cm, 5'3", 6'1"

*Weight:* 285 respectively 330 kg, 628 lbs, 727 lbs

\* Utility patent no. 29520529.6

\*\* Patent no. 19506971

This piano possesses beautiful shapes.

The noble woods and handmade carvings

emphasise the particular and magical character

of this instrument. The sound board is made

of the finest mountain spruce, and special

hammerheads are incorporated in this piece. Key features: Sostenuto pedal

(sustaining pedal). Lid prop made of solid maple for greater brightness of

sound. Hydraulic fall damper\*. User friendly music stand\*\* with convenient

'single-handed' operation, for extra reliability and comfort whilst playing.

Carved legs and lyre.





# Vivace

*SAUTER grand pianos designed by Peter Maly.*

*polished black*



Height: 102 cm, 3'3"  
Width: 160 cm, 5'2"  
Depth: 210 cm, 6'11"  
Weight: 335 kg, 738 lbs

\* Utility patent no. 29520529.6

\*\* Patent no. 19506971

Design patent no. M 9701756.6

This grand piano is a confident avant-garde piece. Vivace is a contemporary interpretation of the grand piano, which incorporates and devotes all respect for its more classical form. The tightened and newly accentuated line, as well as the steel mounting frame, gives this traditional instrument a pending airiness. The designer's unique signature and consecutive

numerical identification highlight the particular value of this grand piano. Details of the new line: truncated radii replace the traditional curves. The new line of this grand piano is additionally accentuated with an inlay of joined squares made of stainless steel. Steel also plays a new role in the grand piano's base frame. The construction of the mounting frame allows for considerably diminished dimensioning – effect: The grand piano appears light, new, fresh, friendly, and of course beautifully contemporary. Key features: Hydraulic fall damper\*. User friendly music stand\*\* with convenient 'single-handed' operation, for extra reliability and comfort whilst playing.





# Ambiente

*SAUTER grand pianos designed by Peter Maly.*

*polished black*



Hight: 102 cm, 3'3"  
Width: 130 cm, 4'3"  
Depths: 230 cm, 7'3"  
Weight: 540 kg, 1,190 lbs

*\*\*Patent no. 19506971*

*\*\* Design patent no. 40601778.6*

This is a new style concert grand, without the frills. In one single movement, the whole of the 230 cm body shapes into a lovely parabolic curve. The new silhouette has been significantly shaped by merging the legs into a circumferential frame. This new frame line is contrasted from the main body with some

chrome elements, which are displayed again at the lower end of the legs. All fittings and castors are also in chrome. The keyboard's side-parts merge softly into the slanting front-side of the grand piano. The closed lid adapts to this form beautifully. The lyre seems light and transparent due to the use of polished stainless steel. User friendly music stand\* with convenient 'single-handed' operation, for extra reliability and comfort whilst playing. Sostenuto pedal (sustaining pedal). Black keys made of ebony. White keys made of natural mineral materials.



# Measurements and Finishes

## 275 Concert

### Page 8



**Measurements:**  
Height: 110 cm, 3'6"  
Width: 159 cm, 5'2"  
Depth: 275 cm, 9'0"  
  
Weight: 560 kg,  
1,234 lbs

**Specifications:**  
Back composed of multilayered rim, integrated beech wood beams, maple bridges, duplex scala, hydraulic fall damper, music stand with convenient 'single-handed' operation, and sostenuto pedal (sustaining pedal)

polished  
black

## 220 Omega

### Page 14



**Measurements:**  
Height: 102.5 cm, 3'4"  
Width: 154 cm, 5'0"  
Depth: 220 cm, 7'3"  
  
Weight: 385 kg,  
849 lbs

**Specifications:**  
Sound board made of mountain spruce from 'Val di Fiemme', ebony sharps, double brass castors, solid maple lid prop, hydraulic fall damper, music stand with convenient 'single-handed' operation, extension register

polished  
black

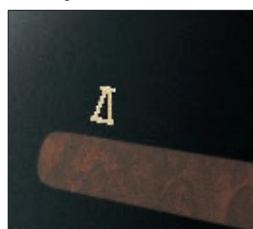
polished  
pyramidal  
mahogany

satin  
walnut

polished  
burl walnut

## 185 Delta

### Page 18



**Measurements:**  
Height: 101 cm, 3'3"  
Width: 152 cm, 5'0"  
Depth: 185 cm, 6'1"  
  
Weight: 330 kg,  
727 lbs

**Specifications:**  
Sound board made of mountain spruce, double brass castors, sostenuto pedal (sustaining pedal), solid maple lid prop, hydraulic fall damper, music stand with convenient 'single-handed' operation

polished  
black

polished  
pyramidal  
mahogany

satin  
maple

satin  
walnut

polished  
Rio rosewood

polished black  
with burl wal-  
nut application

polished  
Bubinga

## 160 Alpha

### Page 24



**Measurements:**  
Height: 101 cm, 3'3"  
Width: 152 cm, 5'0"  
Depth: 160 cm, 5'3"  
  
Weight: 285 kg,  
628 lbs

**Specifications:**  
Sound board made of mountain spruce, double brass castors, sostenuto pedal (sustaining pedal), solid maple lid prop, hydraulic fall damper, music stand with convenient 'single-handed' operation

polished  
black

polished  
walnut




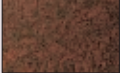




All models are also available as specially designed models.

We offer a wide range of individual specifications from which you can choose, if you wish to design your own personal grand piano, don't hesitate to ask us!





### 160 and 185 Noblesse

Page 26

		<b>Measurements:</b> Height: 101 cm, 3'3" Width: 152 cm, 5'0" Depth: 160/185 cm, 5'3"/6'1", Weight: 285/330 kg, 628 lbs/727 lbs	<b>Specifications:</b> Wooden inlays, double brass castors, solid maple lid prop, hydraulic fall damper, music stand with convenient 'single-handed' operation, sostenuto pedal (sustaining pedal)		polished walnut		satin burl walnut		satin cherry wood
					polished mahogany				


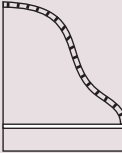




### 160 and 185 Chippendale

Page 30

		<p><b>Measurements:</b> Height: 101 cm, 3'3" Width: 152 cm, 5'0" Depth: 160/185 cm, 5'3", 6'1" Weight: 285/330 kg, 628 lbs/727 lbs</p>	<p><b>Specifications:</b> sound board made of mountain spruce, special hammerheads, sostenuto pedal (sustaining pedal), solid maple lid prop, hydraulic fall damper, music stand with convenient 'single-handed' operation, carved legs and lyre</p>	 polished walnut	 satin cherry wood
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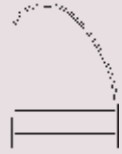
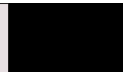
### Vivace

Page 32

		<b>Measurements:</b> Height: 102 cm, 3'3" Width: 160 cm, 5'2" Depth: 210 cm, 6'11" Weight: 335 kg, 738 lbs	<b>Specifications:</b> Inlay of joined squares made of stainless steel, steel mounting frame, hydraulic fall damper, music stand with convenient 'single-handed' operation, sostenuto pedal (sustaining pedal)		polished black		satin walnut		satin Canada maple
					polished white				

### Ambiente

Page 34

		<b>Measurements:</b>	<b>Specifications:</b>		polished black
		Height: 102 cm, 3'3" Width: 130 cm, 4'3" Depths: 230 cm, 7'3"  Weight: 540 kg, 1,190 lbs	Music stand with convenient 'single-handed' operation, sostenuto pedal (sustaining pedal), chrome fittings, double castors with an polyamine overlay, rotatable lid prop, lyre in stainless steel		

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# Great in tone, great in design

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*More brochures on the entire SAUTER range are available from your local piano dealer, or can be obtained directly from SAUTER.*

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