

OPTIMA™

Strings Made in Germany

Catalogue 2019

OPTIMA™
Strings Made in Germany

6

No. 6
CLASSICAL GUITAR
SPECIAL SILVER
CLEAR NYLON HIGH

N06 SNHT

OPTIMA™
Strings Made in Germany

Goldbrotat

PREMIUM
24 Karat Gold
VIOLIN

e⁰ 0.26 4/4
1061 Ball End

Made in Germany

OPTIMA™
Strings Made in Germany

Vintageflex

LOW TENSION ACOUSTICS .012-.051 1760 L

OPTIMA™
Strings Made in Germany

MAXIFLEX GOLD

ELECTRIC GUITAR
ROUNDWOUND

SET .009-.042
12028 EL

24 KARAT GOLD
Strings Made in Germany

OPTIMA™
Strings Made in Germany

SILVER CLASSICS

1/2
63 strings

CLEAR NYLON MEDIUM 270 NMT 1/2

OPTIMA™
Strings Made in Germany

Brian May

24 KARAT GOLD ELECTRIC GUITAR BRIAN MAY

SET .009-.042
2026 BM

OPTIMA™
Strings Made in Germany

Protos

Pure Nickel
VIOLIN

SET 4/4
1010 L e⁰ Loop End

Made in Germany

OPTIMA™
Strings Made in Germany

GOLD STRINGS

ACOUSTIC GUITAR
ROUNDWOUND

SET .013-.057
1747 M

24 KARAT GOLD
Strings Made in Germany

OPTIMA™
Strings Made in Germany

Hot Club Gypsyfire

HOT CLUB GYPSYFIRE **EL** .012-.050 1737 M

OPTIMA™
Strings Made in Germany

Unique

STUDIO BASS GOLD STRINGS

SET .030 -.130
2409 CB

24 KARAT GOLD ROUNDWOUND

● SHORT SCALE ● MEDIUM SCALE ● LONG SCALE

| | |
|--------------------------|----|
| E-GUITAR | 3 |
| HAWAIIAN GUITAR | 10 |
| JAZZ GUITAR | 11 |
| ACOUSTIC GUITAR | 13 |
| MANOUCHE GUITAR | 25 |
| E-BASS | 27 |
| CLASSICAL GUITAR | 35 |
| CHILDREN GUITAR | 43 |
| MANDOLIN | 45 |
| MANDOLA | 51 |
| MANDO CELLO | 53 |
| 24K GOLD BANJO | 55 |
| VIOLIN | 57 |
| VIOLA | 61 |
| CELLO | 63 |
| ACCESSORIES | 65 |
| TERMS & CONDITIONS | 67 |

E-GUITAR

OPTIMA 24K GOLD STRINGS

Developed and **handmade in Germany** from the finest materials for the highest tonal demand, these are probably the most precious strings in the world.

This series reflects our **100 years tradition of string making**. The result is a string of unmatched premium quality, coated with real **24 Karat Gold**, which makes them

insensitive to tarnishing or corrosion, and suitable for people allergic to nickel. They carry a wider spectrum of overtones and dynamic range, and their durability, compared to standard strings is up to three times higher.

OPTIMA 24K GOLD STRINGS are characterized by the brilliant **SOUND OF GOLD**, very much loved by **Frank Zappa** and **Brian May**. All strings in this series can be manufactured in Double Ball version with a 20% surcharge.



24K GOLD STRINGS

| 2028.SL | Set | Super Light |
|----------|------------|----------------|
| | GPS | .008 .011 .014 |
| | GE | .022 .030 .038 |
| 2028.7SL | Set 7-str. | + .050 |
| 2028.8SL | Set 8-str. | + .050 .060 |

E-GUITAR

24K GOLD STRINGS

| 2028.EL | Set | Extra Light |
|----------|------------|----------------|
| | GPS | .009 .011 .016 |
| | GE | .025 .032 .042 |
| 2028.7EL | Set 7-str. | + .052 |
| 2028.8EL | Set 8-str. | + .052 .062 |

| 2028.CL | Set | Custom Light |
|----------|------------|----------------|
| | GPS | .009 .011 .016 |
| | GE | .026 .035 .046 |
| 2028.7CL | Set 7-str. | + .054 |
| 2028.8CL | Set 8-str. | + .054 .064 |

| 2028.RL | Set | Regular Light |
|----------|------------|----------------|
| | GPS | .010 .013 .017 |
| | GE | .026 .035 .046 |
| 2028.7RL | Set 7-str. | + .056 |
| 2028.8RL | Set 8-str. | + .056 .066 |

| 2028.M | Set | Medium |
|---------|------------|----------------|
| | GPS | .011 .014 .018 |
| | GE | .030 .038 .050 |
| 2028.7M | Set 7-str. | + .058 |
| 2028.8M | Set 8-str. | + .058 .068 |

E-GUITAR

24K GOLD STRINGS

| 2028.R | Set | Regular |
|---------|------------|---------------------|
| | GPS | .012 .016 |
| | GE | .024 .032 .043 .054 |
| 2028.7R | Set 7-str. | + .060 |
| 2028.8R | Set 8-str. | + .060 .070 |

| 2028.BAR | Set | Baritone |
|----------|-----|---------------------|
| | GPS | .013 .017 |
| | GE | .026 .035 .046 .062 |

24K GOLD STRINGS - Single Strings

| | |
|--------|------|
| GPS008 | .008 |
| GPS009 | .009 |
| GPS010 | .010 |
| GPS011 | .011 |
| GPS012 | .012 |
| GPS013 | .013 |
| GPS014 | .014 |
| GPS016 | .016 |
| GPS017 | .017 |
| GPS018 | .018 |

E-GUITAR

24K GOLD STRINGS - Single Strings

| | |
|-------|------|
| GE022 | .022 |
| GE024 | .024 |
| GE025 | .025 |
| GE026 | .026 |
| GE030 | .030 |
| GE032 | .032 |
| GE035 | .035 |
| GE038 | .038 |
| GE039 | .039 |
| GE042 | .042 |
| GE043 | .043 |
| GE046 | .046 |
| GE050 | .050 |
| GE052 | .052 |
| GE054 | .054 |
| GE056 | .056 |
| GE058 | .058 |
| GE060 | .060 |
| GE062 | .062 |
| GE064 | .064 |
| GE066 | .066 |
| GE068 | .068 |
| GE070 | .070 |

E-GUITAR

Special edition **OPTIMA 24K GOLD „BRIAN MAY“ STRINGS**

How would the sound of Brian May hit songs be, if he had used conventional guitar strings? We may never find out, but he chose **OPTIMA'S SOUND OF GOLD** and we really like the results.

We are very proud that our strings have been making a small contribution to **Brian May's** great success.



24K GOLD STRINGS „BRIAN MAY“

| | | |
|---------|-----|-------|
| GPS009 | e'1 | .009 |
| GPS011 | b 2 | .011 |
| GPS016 | g 3 | .016 |
| GEBM024 | d 4 | .024w |
| GEBM032 | A 5 | .032 |
| GEBM042 | E 6 | .042 |

2028.BM Set Brian May

BRIAN MAY Signature Strings

is a set developed specifically with and for Brian.

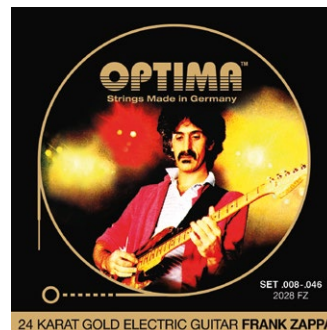
Certainly a highlight in the art of making strings, it has recently been improved with a new core material, which is more tear proof, and with greater tuning stability.

E-GUITAR

Special edition **OPTIMA 24K GOLD „FRANK ZAPPA“ STRINGS**

Frank Zappa played his guitars exclusively with this set. His success is unique and undeniable, and his sound is a music trademark.

We have revived this series, so now everyone can enjoy **Zappa's sound** in their own guitars.



24K GOLD STRINGS „FRANK ZAPPA“

| | | |
|--------|-----|-------|
| GPS008 | e'1 | .008 |
| GPS010 | b 2 | .010 |
| GPS013 | g 3 | .013 |
| GE024 | d 4 | .024w |
| GE032 | A 5 | .032 |
| GE046 | E 6 | .046 |

2028.FZ Set Frank Zappa

Sound of Gold

E-GUITAR

OPTIMA MAXIFLEX 24K GOLD STRINGS These strings have the same quality characteristics and specifications as our **24K GOLD STRINGS**, but they are more flexible altogether.

**“Maximum Sound
with Maximum Flexibility”**

All the strings in this series can be manufactured as Double Ball version with a 20% surcharge.



MAXIFLEX 24K GOLD STRINGS

| | | |
|--------|-----|-------|
| GPS009 | e'1 | .009 |
| GPS011 | b 2 | .011 |
| GPS016 | g 3 | .016 |
| GEM025 | d 4 | .025w |
| GEM032 | A 5 | .032 |
| GEM042 | E 6 | .042 |

12028.EL Set Super Light

| | | |
|--------|-----|-------|
| GPS010 | e'1 | .010 |
| GPS013 | b 2 | .013 |
| GPS017 | g 3 | .017 |
| GEM026 | d 4 | .026w |
| GEM035 | A 5 | .035 |
| GEM046 | E 6 | .046 |

12028.RL Set Regular Light

E-GUITAR ^{NOT only} for lefties

OPTIMA MAXIFLEX 24K GOLD „PAULO MORETE“ STRINGS

Reliability, sound character, and resilience - are three arguments that Paulo sought and found in the **OPTIMA MAXIFLEX**.

This string set 12028.PM was developed with and for him to make his play unique in the studio or live.



MAXIFLEX 24K GOLD STRINGS „PAULO MORETE“

| | | |
|--------|-----|-------|
| GPS012 | e'1 | .012 |
| GPS016 | b 2 | .016 |
| GEM024 | g 3 | .024w |
| GEM032 | d 4 | .032 |
| GEM042 | A 5 | .042 |
| GEM052 | E 6 | .052 |

12028.PM Set Paulo Morete

„Optima Strings provide me with the reliability and resistance that I require for my equipment, both traits I've always been looking for in my sound.“

Paulo Morete

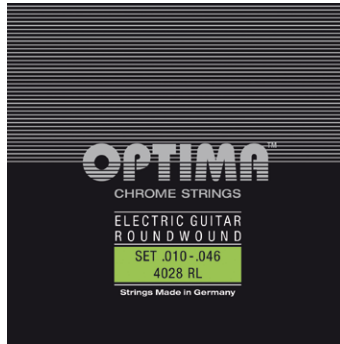
E-GUITAR

Our **OPTIMA PREMIUM CHROME STRINGS** are perfect for the highest quality instruments.

They captivate the moment with a fast and stable intonation, and exceptional durability.

We use an ideal alloy for the pickup sound on our winding wire, and the result is a crisp sound with outstanding playability.

Even **C.J. Ramone** appreciated the benefits of **OPTIMA PREMIUM CHROME STRINGS**.



E-GUITAR

PREMIUM CHROME STRINGS

| 4028.SL | Set | Super Light |
|----------|------------|----------------|
| | PS | .008 .011 .014 |
| | CE | .022 .030 .038 |
| 4028.7SL | Set 7-str. | + .050 |
| 4028.8SL | Set 8-str. | + .050 .060 |

| 4028.EL | Set | Extra Light |
|----------|------------|----------------|
| | PS | .009 .011 .016 |
| | CE | .025 .032 .042 |
| 4028.7EL | Set 7-str. | + .052 |
| 4028.8EL | Set 8-str. | + .052 .062 |

| 4028.CL | Set | Custom Light |
|----------|------------|----------------|
| | PS | .009 .011 .016 |
| | CE | .026 .035 .046 |
| 4028.7CL | Set 7-str. | + .054 |
| 4028.8CL | Set 8-str. | + .054 .064 |

| 4028.RL | Set | Regular Light |
|----------|------------|----------------|
| | PS | .010 .013 .017 |
| | CE | .026 .035 .046 |
| 4028.7RL | Set 7-str. | + .056 |
| 4028.8RL | Set 8-str. | + .056 .066 |

E-GUITAR

PREMIUM CHROME STRINGS

| 4028.M | Set | Medium |
|--------|-----|----------------|
| | PS | .011 .014 .018 |
| | CE | .030 .038 .050 |

| | | |
|---------|------------|-------------|
| 4028.7M | Set 7-str. | + .058 |
| 4028.8M | Set 8-str. | + .058 .068 |

| 4028.R | Set | Regular |
|--------|-----|---------------------|
| | PS | .012 .016 |
| | CE | .024 .032 .043 .054 |

| | | |
|---------|------------|-------------|
| 4028.7R | Set 7-str. | + .060 |
| 4028.8R | Set 8-str. | + .060 .070 |

All strings of this series can also be manufactured as Double Ball version with a 20% surcharge.

| 4028.BAR | Set | Baritone |
|----------|-----|---------------------|
| | PS | .013 .017 |
| | CE | .026 .035 .046 .062 |

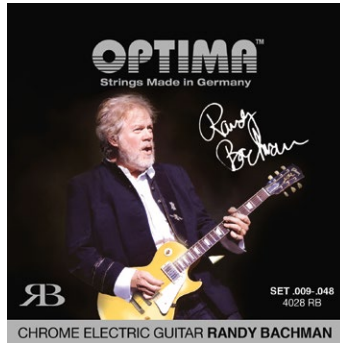
| 3110 | Set | Regular Light |
|------|-----|-------------------------------------|
| | | .010p .013p .009p .012p .017p .026w |
| | | .010p .013p .020w .028w .037w .045w |



E-GUITAR

The **OPTIMA RANDY BACHMAN PREMIUM CHROME** Signature Strings is our newest set of strings for electric guitar, specially made for **Randy Bachman**.

As a songwriter, lead guitarist and founding member of rock bands like **The Guess Who** and **Bachman-Turner-Overdrive**, Randy is one of the most famous Rock musicians from Canada.



He was also a member of the bands **Brave Belt**, **Union** and **Ironhorse** and has many solo work releases.

In 2015 Randy released his album "Heavy Blues" which was recorded exclusively with the **OPTIMA RANDY BACHMAN PREMIUM CHROME** Signature Strings-of course.

PREMIUM CHROME STRINGS „RANDY BACHMAN“

| | | |
|----------------|------------|----------------------|
| PS009 | e' 1 | .009 |
| PS011 | b 2 | .011 |
| PS013 | g 3 | .013 |
| CE028 | d 4 | .028w |
| CE038 | A 5 | .038 |
| CE048 | E 6 | .048 |
| 4028.RB | Set | Randy Bachman |

E-GUITAR

PREMIUM STEEL SINGLE STRINGS

| | |
|-------|------|
| PS008 | .008 |
| PS009 | .009 |
| PS010 | .010 |
| PS011 | .011 |
| PS012 | .012 |
| PS013 | .013 |
| PS014 | .014 |
| PS015 | .015 |
| PS016 | .016 |
| PS017 | .017 |
| PS018 | .018 |

PREMIUM CHROME WOUND SINGLE STRINGS

| | |
|-------|------|
| CE020 | .020 |
| CE022 | .022 |
| CE024 | .024 |
| CE025 | .025 |
| CE026 | .026 |
| CE028 | .028 |
| CE030 | .030 |
| CE024 | .024 |
| CE032 | .032 |

E-GUITAR

PREMIUM CHROME WOUND SINGLE STRINGS

| | |
|-------|------|
| CE035 | .035 |
| CE036 | .036 |
| CE037 | .037 |
| CE038 | .038 |
| CE042 | .042 |
| CE043 | .043 |
| CE044 | .044 |
| CE045 | .045 |
| CE046 | .046 |
| CE048 | .048 |
| CE049 | .049 |
| CE050 | .050 |
| CE051 | .051 |
| CE052 | .052 |
| CE054 | .054 |
| CE055 | .055 |
| CE056 | .056 |
| CE058 | .058 |
| CE060 | .060 |
| CE062 | .062 |
| CE064 | .064 |
| CE066 | .066 |
| CE068 | .068 |
| CE070 | .070 |

HAWAIIAN GUITAR

“Aloha” this is how you are greeted in the islands of Hawaii, and our **OPTIMA Hawaiian Guitar Strings** understand this greeting with a superb and authentic sound. These strings are wound with finely ground Reinickel flat wire, and a traditional purple spinning.

HAWAIIAN GUITAR - LOW BASS „A“ TUNING

| | | |
|-------------|---------------------|-------|
| 1901 | e' 1 | .013 |
| 1902 | cis' 2 | .017 |
| 1903 | a 3 | .020 |
| 1904 | e 4 | .025w |
| 1905 | A 5 | .032 |
| 1906 | E 6 | .042 |
| 1907 | Set 6-string | |

HAWAIIAN GUITAR E13TH TUNING

| | | |
|-------------|---------------------|-------|
| 1911 | e' 1 | .014 |
| 1912 | cis' 2 | .017 |
| 1913 | b 3 | .018 |
| 1914 | gis 4 | .022w |
| 1915 | e 5 | .025 |
| 1916 | d 6 | .030 |
| 1919 | Set 6-string | |
| 1917 | Gis 7 | .040 |
| 1918 | B 8 | .060 |
| 1920 | Set 8-string | |

JAZZ GUITAR

Optima Jazz Swing Chrome Strings – Specially designed for Jazz Guitars, these strings are handmade in Germany with the best materials and have a traditional colored silk wrap at the ball end.

Decades of development work in close contact with many renowned Jazz musicians have let our **OPTIMA JAZZ SWINGS** promise the best sound.



Your Jazz Guitar will love these strings.



JAZZ GUITAR

JAZZ SWING ROUNDWOUND

| | | |
|----------------|------------|--------------------|
| 1941.EL | e'1 | .011 |
| 1942.EL | b 2 | .015 |
| 1943.EL | g 3 | .022w |
| 1944.EL | d 4 | .030 |
| 1945.EL | A 5 | .037 |
| 1946.EL | E 6 | .049 |
| 1947.EL | Set | Extra Light |

| | | |
|---------------|------------|--------------|
| 1941.L | e'1 | .012 |
| 1942.L | b 2 | .016 |
| 1943.L | g 3 | .024w |
| 1944.L | d 4 | .032 |
| 1945.L | A 5 | .044 |
| 1946.L | E 6 | .054 |
| 1947.L | Set | Light |

| | | |
|---------------|------------|---------------|
| 1941.M | e'1 | .013 |
| 1942.M | b 2 | .017 |
| 1943.M | g 3 | .026w |
| 1944.M | d 4 | .035 |
| 1945.M | A 5 | .046 |
| 1946.M | E 6 | .056 |
| 1947.M | Set | Medium |

JAZZ GUITAR

JAZZ SWING FLATWOUND

| | | |
|-----------------|------------|--------------------|
| 1941.FEL | e'1 | .010 |
| 1942.FEL | b 2 | .015 |
| 1943.FEL | g 3 | .022w |
| 1944.FEL | d 4 | .030 |
| 1945.FEL | A 5 | .037 |
| 1946.FEL | E 6 | .049 |
| 1947.FEL | Set | Extra Light |

| | | |
|----------------|------------|--------------|
| 1941.FL | e'1 | .011 |
| 1942.FL | b 2 | .016 |
| 1943.FL | g 3 | .024w |
| 1944.FL | d 4 | .032 |
| 1945.FL | A 5 | .044 |
| 1946.FL | E 6 | .054 |
| 1947.FL | Set | Light |

| | | |
|----------------|------------|---------------|
| 1941.FM | e'1 | .012 |
| 1942.FM | b 2 | .017 |
| 1943.FM | g 3 | .026w |
| 1944.FM | d 4 | .035 |
| 1945.FM | A 5 | .046 |
| 1946.FM | E 6 | .056 |
| 1947.FM | Set | Medium |

JAZZ GUITAR

The **OPTIMA JAZZ SWING FLATWOUND STRINGS** are wound with PURE NICKEL flat wire and are finely polished afterwards. The bass strings are wound in the Double Wound process.

One could only imagine a flatwound string like this.

Perfection meets Innovation.



ACOUSTIC GUITAR

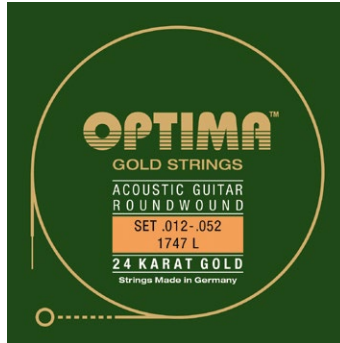
OPTIMA 24K GOLD STRINGS

Developed and **handmade in Germany** from the finest materials for the highest tonal demand, these are probably the most precious strings in the world.

This series reflects our **100 years tradition of string making**. The result is a string of unmatched premium quality, coated with real **24 Karat Gold**, which makes them insensitive to tarnishing or corrosion, and suitable for people allergic to nickel.

They carry a wider spectrum of overtones, dynamic range and their durability, compared-to standard strings is up to three times higher.

OPTIMA 24K GOLD STRINGS are characterized by a brilliant **SOUND OF GOLD**, loved by **Frank Zappa** and **Brian May**.



ACOUSTIC GUITAR

24K GOLD STRINGS

| | | |
|--------|-----|-------|
| GPS010 | e'1 | .010 |
| GPS013 | b 2 | .013 |
| GA023 | g 3 | .023w |
| GA030 | d 4 | .030 |
| GA039 | A 5 | .039 |
| GA047 | E 6 | .047 |

1747.EL Set Extra Light

| | | |
|--------|-----|-------|
| GPS011 | e'1 | .011 |
| GPS014 | b 2 | .014 |
| GA023 | g 3 | .023w |
| GA032 | d 4 | .032 |
| GA040 | A 5 | .040 |
| GA050 | E 6 | .050 |

1747.CL Set Custom Light

...24 Karat Gold Plated

ACOUSTIC GUITAR

24K GOLD STRINGS

| | | |
|---------------|------------|---------------|
| GPS012 | e' 1 | .012 |
| GPS016 | b 2 | .016 |
| GA024 | g 3 | .024w |
| GA032 | d 4 | .032 |
| GA042 | A 5 | .042 |
| GA052 | E 6 | .052 |
| 1747.L | Set | Light |
| GPS013 | e' 1 | .013 |
| GPS017 | b 2 | .017 |
| GA026 | g 3 | .026w |
| GA036 | d 4 | .036 |
| GA045 | A 5 | .045 |
| GA057 | E 6 | .057 |
| 1747.M | Set | Medium |

E1 and B2 are made of high-quality steel wire and are coated with real 24K Gold, the G3 to E6 are made with Gold-plated wire spool. Made and refined in Germany!

| | | |
|------------------|------------|-------------------------------------|
| 1747.12EL | Set | Extra Light |
| | | .010p .013p .009p .012p .017p .026w |
| | | .010p .013p .020w .028w .037w .045w |



ACOUSTIC GUITAR

CRISTIANO GALLIAN



24K GOLD PREMIUM STEEL SINGLE STRINGS

| | |
|--------|------|
| GPS008 | .008 |
| GPS009 | .009 |
| GPS010 | .010 |
| GPS011 | .011 |
| GPS012 | .012 |
| GPS013 | .013 |
| GPS014 | .014 |
| GPS016 | .016 |
| GPS017 | .017 |
| GPS018 | .018 |



ACOUSTIC GUITAR

24K GOLD WOUND SINGLE STRINGS

| | |
|-------|------|
| GA020 | .020 |
| GA023 | .023 |
| GA024 | .024 |
| GA026 | .026 |
| GA030 | .030 |
| GA031 | .031 |
| GA032 | .032 |
| GA036 | .036 |
| GA039 | .039 |
| GA040 | .040 |
| GA042 | .042 |
| GA045 | .045 |
| GA047 | .047 |
| GA050 | .050 |
| GA052 | .052 |
| GA057 | .057 |

*...the sound
of Gold*

ACOUSTIC GUITAR



The **OPTIMA Vintageflex LOW TENSION ACOUSTICS** are our latest development!

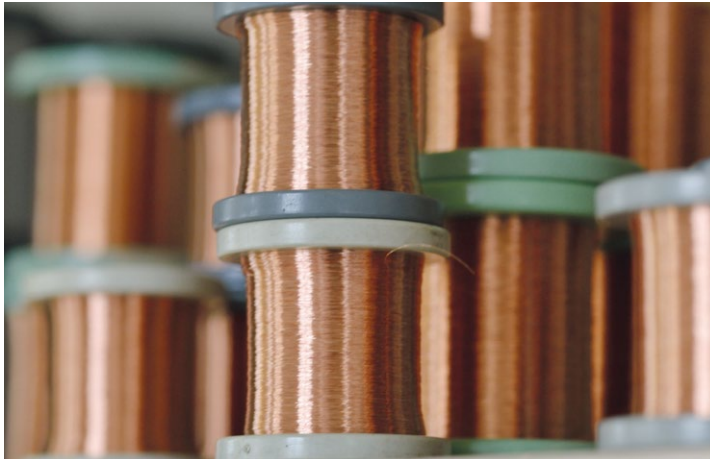
These strings are 100% handmade in Germany.

They have an extra low and a very equal moderate tension and consist of a high quality round core, wound with the best phosphorus bronze.



ATTENTION! Round Core Strings!

Please shorten these strings only after installed and tuned to pitch!



VINTAGEFLEX STRINGS

Tension kg

| | | | |
|----------------|------------|--------------------|-------|
| PS010 | e'1 | .010 | 7,25 |
| PS013 | b 2 | .013 | 6.80 |
| VA017 | g 3 | .017w | 7,25 |
| VA023 | d 4 | .023 | 6.80 |
| VA032 | A 5 | .032 | 7.25 |
| VA043 | E 6 | .043 | 7.25 |
| 1760.EL | Set | Extra Light | 42,60 |

VINTAGEFLEX STRINGS

Tension kg

| | | | |
|----------------|------------|---------------------|-------|
| PS011 | e'1 | .011 | 8.61 |
| PS015 | b 2 | .015 | 8.61 |
| VA019 | g 3 | .019w | 8.61 |
| VA026 | d 4 | .026 | 8.61 |
| VA036 | A 5 | .036 | 9.07 |
| VA047 | E 6 | .047 | 8.61 |
| 1760.CL | Set | Custom Light | 52,10 |

ACOUSTIC GUITAR

| VINTAGEFLEX STRINGS | | | Tension kg |
|---------------------|------------|--------------|------------|
| PS012 | e' 1 | .012 | 9.97 |
| PS016 | b 2 | .016 | 9.97 |
| VA020 | g 3 | .020w | 9.52 |
| VA028 | d 4 | .028 | 9.97 |
| VA038 | A 5 | .038 | 9.97 |
| VA051 | E 6 | .051 | 9.97 |
| 1760.L | Set | Light | 59,30 |

| VINTAGEFLEX STRINGS | | | Tension kg |
|---------------------|------------|---------------|------------|
| PS013 | e' 1 | .013 | 11.79 |
| PS017 | b 2 | .017 | 11.34 |
| VA022 | g 3 | .022w | 11.79 |
| VA031 | d 4 | .031 | 11.79 |
| VA042 | A 5 | .042 | 11.79 |
| VA055 | E 6 | .055 | 11.79 |
| 1760.M | Set | Medium | 70,30 |

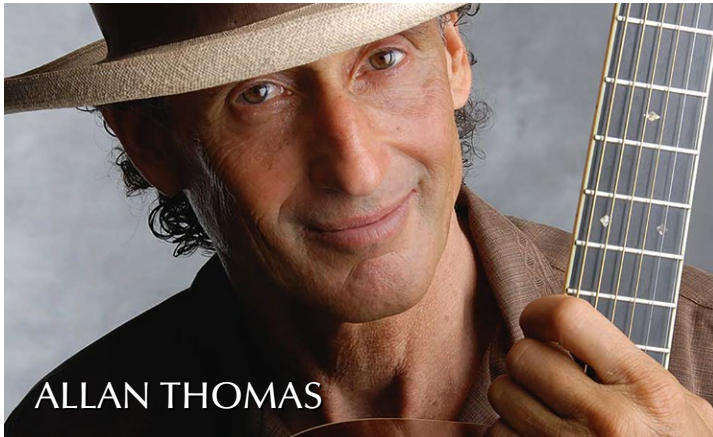
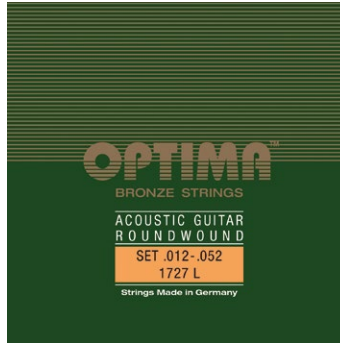
ACOUSTIC GUITAR



ACOUSTIC GUITAR

Our **OPTIMA BRONZE STRINGS** captivate with a fast and stable intonation, exceptional durability, and are perfect for the highest quality instruments. For the winding wire we use a special bronze alloy that is ideal for optimum sound production.

And of course, these strings and all of our strings, are **100% handmade in Germany.**



ACOUSTIC GUITAR

BRONZE STRINGS

| | | |
|----------------|------------|-------------------------------------|
| 1727.EL | Set | Extra Light |
| | BPS | .010 .013 |
| | BA | .023 .030 .039 .047 |
| 1727.CL | Set | Custom Light |
| | BPS | .011 .014 |
| | BA | .023 .032 .040 .050 |
| 1727.L | Set | Light |
| | BPS | .012 .016 |
| | BA | .024 .032 .042 .052 |
| 1727.M | Set | Medium |
| | BPS | .013 .017 |
| | BA | .026 .036 .045 .057 |
| 3410 | Set | 12-Strings |
| | | .010p .013p .009p .012p .017p .026w |
| | | .010p .013p .020w .028w .037w .045w |

ACOUSTIC GUITAR

PREMIUM BRONZE WOUND SINGLE STRINGS

| | |
|-------|------|
| BA020 | .020 |
| BA023 | .023 |
| BA024 | .024 |
| BA026 | .026 |
| BA028 | .028 |
| BA030 | .030 |
| BA031 | .031 |
| BA032 | .032 |
| BA036 | .036 |
| BA037 | .037 |
| BA039 | .039 |
| BA040 | .040 |
| BA042 | .042 |
| BA045 | .045 |
| BA047 | .047 |
| BA050 | .050 |
| BA052 | .052 |
| BA057 | .057 |

ACOUSTIC GUITAR

PREMIUM STEEL BRASSED SINGLE STRINGS

| | |
|--------|------|
| BPS008 | .008 |
| BPS009 | .009 |
| BPS010 | .010 |
| BPS011 | .011 |
| BPS012 | .012 |
| BPS013 | .013 |
| BPS014 | .014 |
| BPS015 | .015 |
| BPS016 | .016 |
| BPS017 | .017 |
| BPS018 | .018 |



ACOUSTIC GUITAR

OPTIMA SILVER ACOUSTICS with hexagonal core, wound with silver plated wire and without silk, are our steel strings for Acoustic Guitar.

A real alternative for bronze strings, the sound will nicely convince your ears.

Available in 3 gauges.



SILVER ACOUSTICS

| | | |
|----------------|------------|---------------------|
| 2000.SL | Set | Super Light |
| | PS | .010 .013 |
| | SA | .020 .024 .032 .043 |

| | | |
|---------------|------------|---------------------|
| 2000.L | Set | Light |
| | PS | .011 .014 |
| | SA | .022 .026 .035 .046 |

| | | |
|---------------|------------|---------------------|
| 2000.M | Set | Medium |
| | PS | .012 .016 |
| | SA | .023 .028 .039 .048 |

ACOUSTIC GUITAR

PREMIUM STEEL SINGLE STRINGS

| | |
|-------|------|
| PS008 | .008 |
| PS009 | .009 |
| PS010 | .010 |
| PS011 | .011 |
| PS012 | .012 |
| PS013 | .013 |
| PS014 | .014 |
| PS015 | .015 |
| PS016 | .016 |
| PS017 | .017 |
| PS018 | .018 |



ACOUSTIC GUITAR

SILVER WOUND SINGLE STRINGS

| | |
|-------|------|
| SA020 | .020 |
| SA022 | .022 |
| SA023 | .023 |
| SA024 | .024 |
| SA026 | .026 |
| SA028 | .028 |
| SA032 | .032 |
| SA035 | .035 |
| SA039 | .039 |
| SA043 | .043 |
| SA046 | .046 |
| SA048 | .048 |

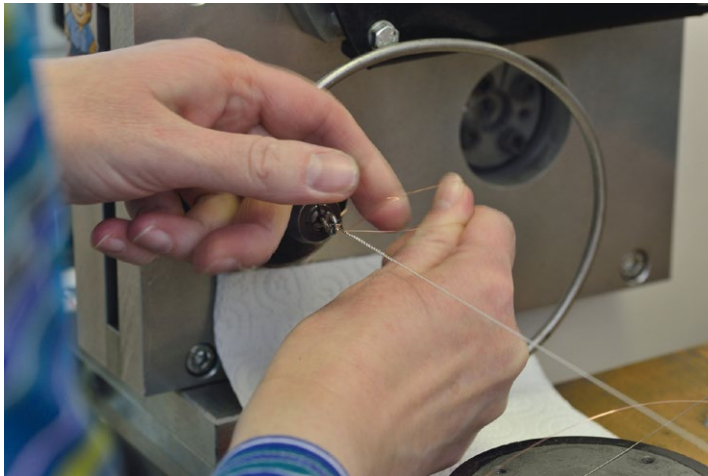
ACOUSTIC GUITAR



ACOUSTIC GUITAR

OPTIMA ARTIST ACOUSTICS – our steel strings for Acoustic Guitar with a round core, silk inlay and a colored silk wrap, wound with silver plated wire.

A round core set with a warm sound, available in 3 gauges.



ACOUSTIC GUITAR

ARTIST ACOUSTICS

| | | |
|---------|------|-------|
| 2011.SL | e' 1 | .010 |
| 2012.SL | b 2 | .013 |
| 2013.SL | g 3 | .020w |
| 2014.SL | d 4 | .025 |
| 2015.SL | A 5 | .034 |
| 2016.SL | E 6 | .044 |

2010.SL Set Super Light

| | | |
|--------|------|-------|
| 2011.L | e' 1 | .011 |
| 2012.L | b 2 | .014 |
| 2013.L | g 3 | .022w |
| 2014.L | d 4 | .026 |
| 2015.L | A 5 | .038 |
| 2016.L | E 6 | .047 |

2010.L Set Light

| | | |
|--------|------|-------|
| 2011.M | e' 1 | .012 |
| 2012.M | b 2 | .016 |
| 2013.M | g 3 | .024w |
| 2014.M | d 4 | .028 |
| 2015.M | A 5 | .039 |
| 2016.M | E 6 | .050 |

2010.M Set Medium

ACOUSTIC GUITAR

OPTIMA BERGFEE, is probably the most famous Alpine brand of strings and it's been played at countless "Stub'n'musis" for decades.

These strings have been especially designed for song accompaniment, but they're also used for solo playing in other regions of the continent.



A set of strings with a clear and straightforward sound, with excellent playability, are only two of the many positive characteristics of OPTIMA BERGFEE Strings.

An all around talent among string sets.

BERGFEE GUITAR STRINGS

| | | |
|-------------|------------|--------------------|
| 1761 | e'1 | .012 |
| 1762 | b 2 | .015 |
| 1763 | g 3 | .020w |
| 1764 | d 4 | .027 |
| 1765 | A 5 | .036 |
| 1766 | E 6 | .047 |
| 1767 | Set | Extra Light |

ACOUSTIC GUITAR



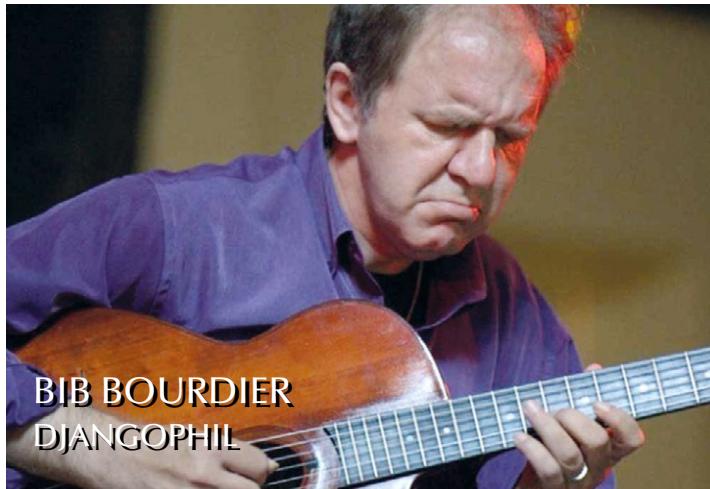
MANOUCHE GUITAR

OPTIMA HOT CLUB GYPSYFIRE

– a name with a statement –

Strings that have been developed from the beginning on specifically for Manouche guitars and the HOT CLUB sound.

You can feel, even when mounting the strings, the spirit of gypsy jazz, and at the first tones, you are enchanted by the clarity, brilliance but also the warmth of these strings. Made with Ball End.



MANOUCHE GUITAR

HOT CLUB GYPSYFIRE Ball End

| | | |
|----------------|------------|--------------------|
| 1731.EL | e'1 | .010 |
| 1732.EL | b 2 | .014 |
| 1733.EL | g 3 | .022w |
| 1734.EL | d 4 | .028 |
| 1735.EL | A 5 | .036 |
| 1736.EL | E 6 | .045 |
| 1737.EL | Set | Extra Light |

| | | |
|---------------|------------|--------------|
| 1731.L | e'1 | .011 |
| 1732.L | b 2 | .015 |
| 1733.L | g 3 | .023w |
| 1734.L | d 4 | .029 |
| 1735.L | A 5 | .037 |
| 1736.L | E 6 | .046 |
| 1737.L | Set | Light |

| | | |
|---------------|------------|---------------|
| 1731.M | e'1 | .012 |
| 1732.M | b 2 | .016 |
| 1733.M | g 3 | .025w |
| 1734.M | d 4 | .033 |
| 1735.M | A 5 | .042 |
| 1736.M | E 6 | .050 |
| 1737.M | Set | Medium |

MANOUCHE GUITAR

OPTIMA HOT CLUB GYPSYFIRE

Made with loop end.

„I have tried all the gypsy jazz strings out there and Optima is just the best, both for quality of sound and durability“

Dario Napoli



MANOUCHE GUITAR

HOT CLUB GYPSYFIRE loop end

| | | |
|---------|------|------|
| 1751.EL | e' 1 | .010 |
|---------|------|------|

| | | |
|---------|-----|------|
| 1752.EL | b 2 | .014 |
|---------|-----|------|

| | | |
|---------|-----|-------|
| 1753.EL | g 3 | .022w |
|---------|-----|-------|

| | | |
|---------|-----|------|
| 1754.EL | d 4 | .028 |
|---------|-----|------|

| | | |
|---------|-----|------|
| 1755.EL | A 5 | .036 |
|---------|-----|------|

| | | |
|---------|-----|------|
| 1756.EL | E 6 | .045 |
|---------|-----|------|

| | | |
|----------------|------------|--------------------|
| 1757.EL | Set | Extra Light |
|----------------|------------|--------------------|

| | | |
|--------|------|------|
| 1751.L | e' 1 | .011 |
|--------|------|------|

| | | |
|--------|-----|------|
| 1752.L | b 2 | .015 |
|--------|-----|------|

| | | |
|--------|-----|-------|
| 1753.L | g 3 | .023w |
|--------|-----|-------|

| | | |
|--------|-----|------|
| 1754.L | d 4 | .029 |
|--------|-----|------|

| | | |
|--------|-----|------|
| 1755.L | A 5 | .037 |
|--------|-----|------|

| | | |
|--------|-----|------|
| 1756.L | E 6 | .046 |
|--------|-----|------|

| | | |
|---------------|------------|--------------|
| 1757.L | Set | Light |
|---------------|------------|--------------|

| | | |
|--------|------|------|
| 1751.M | e' 1 | .012 |
|--------|------|------|

| | | |
|--------|-----|------|
| 1752.M | b 2 | .016 |
|--------|-----|------|

| | | |
|--------|-----|-------|
| 1753.M | g 3 | .025w |
|--------|-----|-------|

| | | |
|--------|-----|------|
| 1754.M | d 4 | .033 |
|--------|-----|------|

| | | |
|--------|-----|------|
| 1755.M | A 5 | .042 |
|--------|-----|------|

| | | |
|--------|-----|------|
| 1756.M | E 6 | .050 |
|--------|-----|------|

| | | |
|---------------|------------|---------------|
| 1757.M | Set | Medium |
|---------------|------------|---------------|

NICOLÒ MUNERATTI



E-BASS

Our **OPTIMA UNIQUE CHROME** Studio Bass Strings

The optimum for your bass sound,
whether live or in the studio as
standard Chrome version.



UNIQUE Studio Bass CHROME STRINGS

| | | | |
|-----------------------------|-------------------------|------------------|------------|
| CBU030.L | High C | .030 | |
| CBU045.L | G 1 | .045 | |
| CBU065.L | D 2 | .065 | |
| CBU085.L | A 3 | .085 | |
| CBU105.L | E 4 | .105 | |
| CBU130.L | B 5 | .130 | |
| 4409.L | Set 4-string | .045-.105 | |
| 4409.B | Set 5-string | .045-.130 | |
| 4409.CB | Set 6-string | .030-.130 | |
| All bass strings are | Long Scale | | .L |
| Also available as | Short Scale | | .S |
| | Medium Scale | | .M |
| | Super Long Scale | | .SL |

E-BASS

OPTIMA UNIQUE Studio Bass 24K GOLD Strings

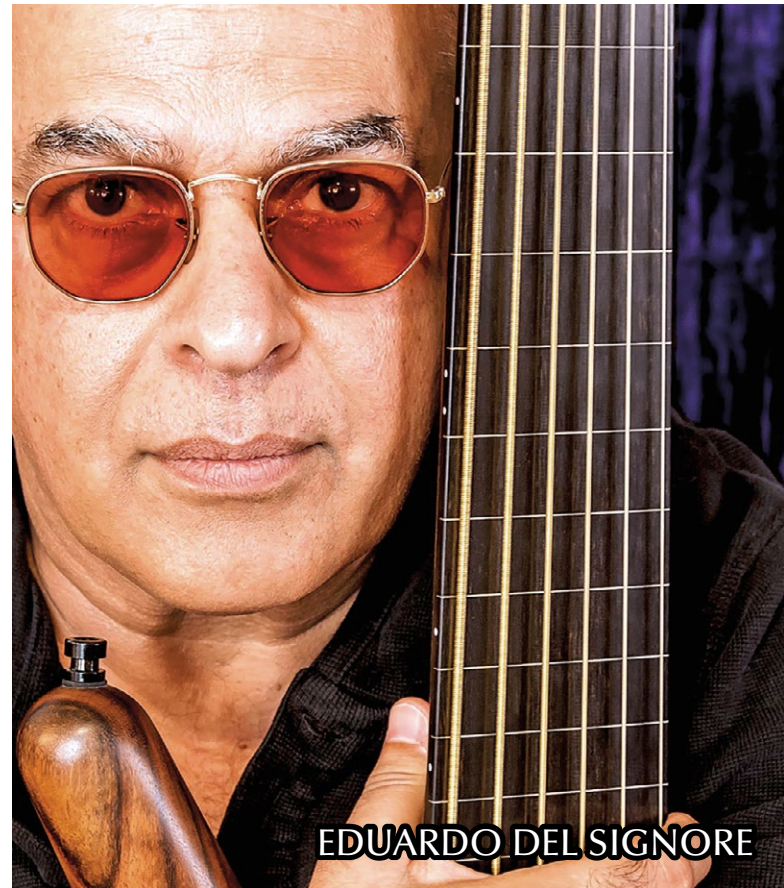
The crystal clear sound, the soft feeling to the touch, the warm and wide spectrum of overtones and the prolonged sustain even in the highest pitches of the bass, make these strings really unique. The ultimate for your bass sound, whether live or in the studio.



UNIQUE Studio Bass 24K GOLD STRINGS

| | | | |
|-----------------------------|-------------------------|--------------------|------------|
| GBU030.L | High C | .030 | |
| GBU045.L | G 1 | .045 | |
| GBU065.L | D 2 | .065 | |
| GBU085.L | A 3 | .085 | |
| GBU105.L | E 4 | .105 | |
| GBU130.L | B 5 | .130 | |
| 2409.L | Set 4-string | .045 - .105 | |
| 2409.B | Set 5-string | .045 - .130 | |
| 2409.CB | Set 6-string | .030 - .130 | |
| All bass strings are | Long Scale | | .L |
| Also available as | Short Scale | | .S |
| | Medium Scale | | .M |
| | Super Long Scale | | .SL |

E-BASS



EDUARDO DEL SIGNORE

E-BASS

OPTIMA 24K GOLD STRINGS

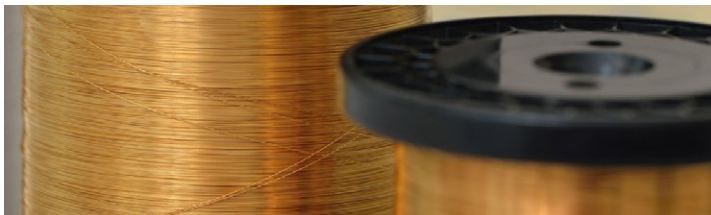
Developed and **handmade in Germany** from the finest materials for the highest tonal demand, these are probably the most precious strings in the world.

This series reflects our **100 years tradition of string making**. The result is a string of unmatched premium quality, coated with real **24 Karat Gold**, which makes them insensitive to tarnishing or corrosion, and suitable for people allergic to nickel.

They carry a wider spectrum of overtones, dynamic range and their durability, compared-to standard strings is up to three times higher.

OPTIMA 24K GOLD STRINGS are characterized by the brilliant **SOUND OF GOLD**, very much loved by **John Entwistle**.

All the strings in this series can be manufactured in Double Ball version with a 20% surcharge.



E-BASS

24K GOLD STRINGS

| | | |
|---------------|------------|--------------------|
| GB035.L | G 1 | .035 |
| GB045.L | D 2 | .045 |
| GB070.L | A 3 | .070 |
| GB090.L | E 4 | .090 |
| 1999.L | Set | Extra Light |

| | | |
|---------------|------------|--------------|
| GB040.L | G 1 | .040 |
| GB055.L | D 2 | .055 |
| GB075.L | A 3 | .075 |
| GB095.L | E 4 | .095 |
| 2199.L | Set | Light |

| | | |
|---------------|------------|----------------------|
| GB045.L | G 1 | .045 |
| GB060.L | D 2 | .060 |
| GB080.L | A 3 | .080 |
| GB100.L | E 4 | .100 |
| 2299.L | Set | Regular Light |

| | | |
|---------------|------------|---------------------|
| GB045.L | G 1 | .045 |
| GB065.L | D 2 | .065 |
| GB080.L | A 3 | .080 |
| GB105.L | E 4 | .105 |
| 2319.L | Set | Medium Light |

E-BASS

24K GOLD STRINGS

| | | |
|---------------|------------|---------------|
| GB050.L | G 1 | .050 |
| GB065.L | D 2 | .065 |
| GB085.L | A 3 | .085 |
| GB105.L | E 4 | .105 |
| 2399.L | Set | Medium |

24K GOLD STRINGS 5- und 6-String

| | | |
|----------------|---------------------|--------------------|
| GB030.L | c 1 | .030 |
| GB045.L | G 2 | .045 |
| GB060.L | D 3 | .060 |
| GB080.L | A 4 | .080 |
| GB100.L | E 5 | .100 |
| GB125.L | B 6 | .125 |
| 2299.C | Set 5-String | .030 - .100 |
| 2299.B | Set 5-String | .045 - .125 |
| 2299.CB | Set 6-String | .030 - .125 |

| | | |
|-----------------------------|-------------------------|------------|
| All bass strings are | Long Scale | .L |
| Also available as | Short Scale | .S |
| | Medium Scale | .M |
| | Super Long Scale | .SL |

E-BASS

The **OPTIMA MAXIFLEX 24K GOLD STRINGS** have the same quality characteristics and specifications as our **24K GOLD BASS STRINGS**, but they are more flexible altogether.

**“Maximum Sound
with Maximum Flexibility”**

All the strings in this series can be manufactured in Double Ball version with a 20% surcharge.



MAXIFLEX 24K GOLD STRINGS

| | | |
|----------------|------------|----------------------|
| GBM040.L | G 1 | .040 |
| GBM055.L | D 2 | .055 |
| GBM075.L | A 3 | .075 |
| GBM095.L | E 4 | .095 |
| 12199.L | Set | Light |
| GBM045.L | G 1 | .045 |
| GBM060.L | D 2 | .060 |
| GBM080.L | A 3 | .080 |
| GBM100.L | E 4 | .100 |
| 12299.L | Set | Regular Light |

E-BASS

Our **OPTIMA CHROME STRINGS** are perfect for the highest quality instruments.

They captivate the moment with a fast and stable intonation, and exceptional durability.

We use an ideal alloy for the pickup sound on our winding wire, and the result is a crisp sound with outstanding playability.

All the strings in this series could be manufactured in Double Ball version with a 20% surcharge.



E-BASS

CHROME STRINGS

| | | |
|---------|-----|------|
| CB035.L | G 1 | .035 |
| CB045.L | D 2 | .045 |
| CB070.L | A 3 | .070 |
| CB090.L | E 4 | .090 |

3999.L Set Extra Light

| | | |
|---------|-----|------|
| CB040.L | G 1 | .040 |
| CB055.L | D 2 | .055 |
| CB075.L | A 3 | .075 |
| CB095.L | E 4 | .095 |

4199.L Set Light

| | | |
|---------|-----|------|
| CB045.L | G 1 | .045 |
| CB060.L | D 2 | .060 |
| CB080.L | A 3 | .080 |
| CB100.L | E 4 | .100 |

4299.L Set Regular Light

| | | |
|---------|-----|------|
| CB045.L | G 1 | .045 |
| CB065.L | D 2 | .065 |
| CB080.L | A 3 | .080 |
| CB105.L | E 4 | .105 |

4319.L Set Medium Light

E-BASS

CHROME STRINGS

| | | |
|---------|-----|------|
| CB050.L | G 1 | .050 |
|---------|-----|------|

| | | |
|---------|-----|------|
| CB065.L | D 2 | .065 |
|---------|-----|------|

| | | |
|---------|-----|------|
| CB085.L | A 3 | .085 |
|---------|-----|------|

| | | |
|---------|-----|------|
| CB105.L | E 4 | .105 |
|---------|-----|------|

| | | |
|---------------|------------|---------------|
| 4399.L | Set | Medium |
|---------------|------------|---------------|

CHROME STRINGS 5- and 6-String

| | | |
|---------|-----|------|
| CB030.L | c 1 | .030 |
|---------|-----|------|

| | | |
|---------|-----|------|
| CB045.L | G 2 | .045 |
|---------|-----|------|

| | | |
|---------|-----|------|
| CB060.L | D 3 | .060 |
|---------|-----|------|

| | | |
|---------|-----|------|
| CB080.L | A 4 | .080 |
|---------|-----|------|

| | | |
|---------|-----|------|
| CB100.L | E 5 | .100 |
|---------|-----|------|

| | | |
|---------|-----|------|
| CB125.L | B 6 | .125 |
|---------|-----|------|

| | | |
|---------------|---------------------|--------------------|
| 4299.C | Set 5-String | .030 - .100 |
|---------------|---------------------|--------------------|

| | | |
|---------------|---------------------|--------------------|
| 4299.B | Set 5-String | .045 - .125 |
|---------------|---------------------|--------------------|

| | | |
|----------------|---------------------|--------------------|
| 4299.CB | Set 6-String | .030 - .125 |
|----------------|---------------------|--------------------|

| | | |
|-----------------------------|-------------------|-----------|
| All bass strings are | Long Scale | .L |
|-----------------------------|-------------------|-----------|

| | | |
|--------------------------|--------------------|-----------|
| Also available as | Short Scale | .S |
|--------------------------|--------------------|-----------|

| | | |
|--|---------------------|-----------|
| | Medium Scale | .M |
|--|---------------------|-----------|

| | | |
|--|-------------------------|------------|
| | Super Long Scale | .SL |
|--|-------------------------|------------|

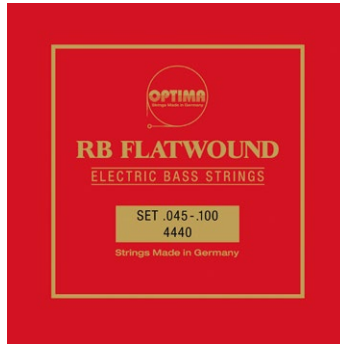
E-BASS



E-BASS

OPTIMA RB FLATWOUND Bass Strings

For the bass player who yearn for that old school thump of the 50's and 60's, we have gone back in time, to reproduce a flat wound bass string which genuinely revives the feel and sound of an era, the way you remember it. We endeavored to make the **OPTIMA RB FLATWOUNDS** authentic in every way.



Constructed over a round core for increased flexibility and lower tension, the **OPTIMA RB FLATWOUNDS** are wound with PURE NICKEL flat wire, which is then polished to a high shine, resulting in a string that is supple and comfortable to play.

The **OPTIMA RB FLATWOUNDS** echo the classic tones of yesteryear.

| | | |
|----------------------|------------------|-----|
| All bass strings are | Long Scale | .L |
| Also available as | Short Scale | .S |
| | Medium Scale | .M |
| | Super Long Scale | .SL |

E-BASS

RB FLATWOUND

| | | |
|---------------|---------------------|------------------|
| 4441.L | G 1 | .045 |
| 4442.L | D 2 | .057 |
| 4443.L | A 3 | .077 |
| 4444.L | E 4 | .100 |
| 4440.L | Set 4-string | .045-.100 |



E-BASS

OPTIMA FLATWOUND STRINGS, are wound with a PURE NICKEL flat wire and are finely polished afterward.

These bass strings are all wound by the **Double Wound** process.

Perfection meets Innovation!



FLATWOUND STRINGS

| | | |
|---------------|------------|------------------|
| CBF045.L | G 1 | .045 |
| CBF060.L | D 2 | .060 |
| CBF080.L | A 3 | .080 |
| CBF100.L | E 4 | .100 |
| 4099.L | Set | .045-.100 |
| CBF125.L | B 5 | .125 |
| 4099.B | Set | .045-.125 |

All bass strings are **Long Scale** **.L**

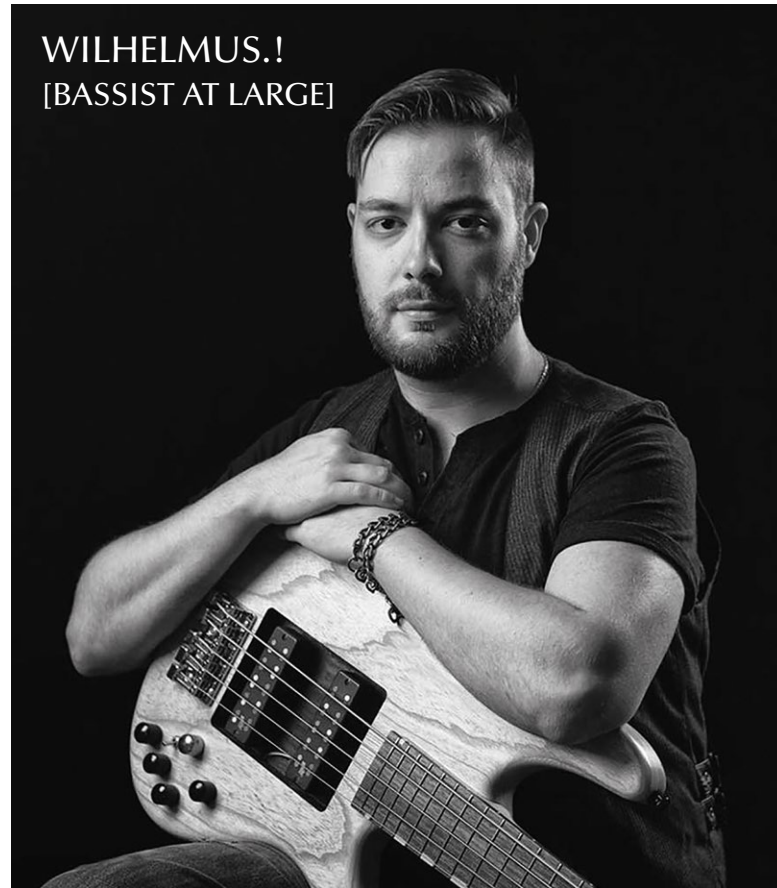
Also available as **Short Scale** **.S**

Medium Scale **.M**

Super Long Scale **.SL**

E-BASS

WILHELMUS.!
[BASSIST AT LARGE]



CLASSICAL GUITAR

OPTIMA No.6 – Every concert guitarist should remember the name of these strings, because they bring forth an entirely new dimension. We have left behind old patterns and materials and have merely reinvented the classical guitar string.



The bass strings are made with a wholly new core material, wound with a **24 Karat Gold** plated wire, resulting in a string with an extraordinary fast response, a powerful sustainable tone very rich in overtones, where the sound spectrum remains perfectly balanced.

The set is completed with our Clear Nylon treble strings, or our highly praised Natural Carbon treble strings.



CLASSICAL GUITAR

No.6 24K GOLD STRINGS Nylon Medium

| | | |
|------------------|----------------|------------------------------|
| NO6.NMT1 | e' 1 | Clear Nylon |
| NO6.NMT2 | b 2 | Clear Nylon |
| NO6.NMT3 | g 3 | Clear Nylon |
| NO6.GMT3 | g 3 | 24K Gold |
| NO6.GMT4 | d 4 | 24K Gold |
| NO6.GMT5 | A 5 | 24K Gold |
| NO6.GMT6 | E 6 | 24K Gold |
| NO6.GNMT | Set --- | 24K Gold |
| NO6.GNMTW | Set --- | 24K Gold g3 wound |
| NO6.NMT | Treble set | Clear Nylon (e' 1, b 2, g 3) |
| NO6.GMT | Bass set | 24K Gold (d 4, A 5, E 6) |

No.6 24K GOLD STRINGS Carbon Medium

| | | |
|------------------|----------------|---------------------------------|
| NO6.CMT1 | e' 1 | Natural Carbon |
| NO6.CMT2 | b 2 | Natural Carbon |
| NO6.CMT3 | g 3 | Natural Carbon |
| NO6.GMT3 | g 3 | 24K Gold |
| NO6.GMT4 | d 4 | 24K Gold |
| NO6.GMT5 | A 5 | 24K Gold |
| NO6.GMT6 | E 6 | 24K Gold |
| NO6.GCMT | Set --- | 24K Gold |
| NO6.GCMTW | Set --- | 24K Gold g3 wound |
| NO6.CMT | Treble set | Natural Carbon (e' 1, b 2, g 3) |
| NO6.GMT | Bass set | 24K Gold (d 4, A 5, E 6) |

CLASSICAL GUITAR

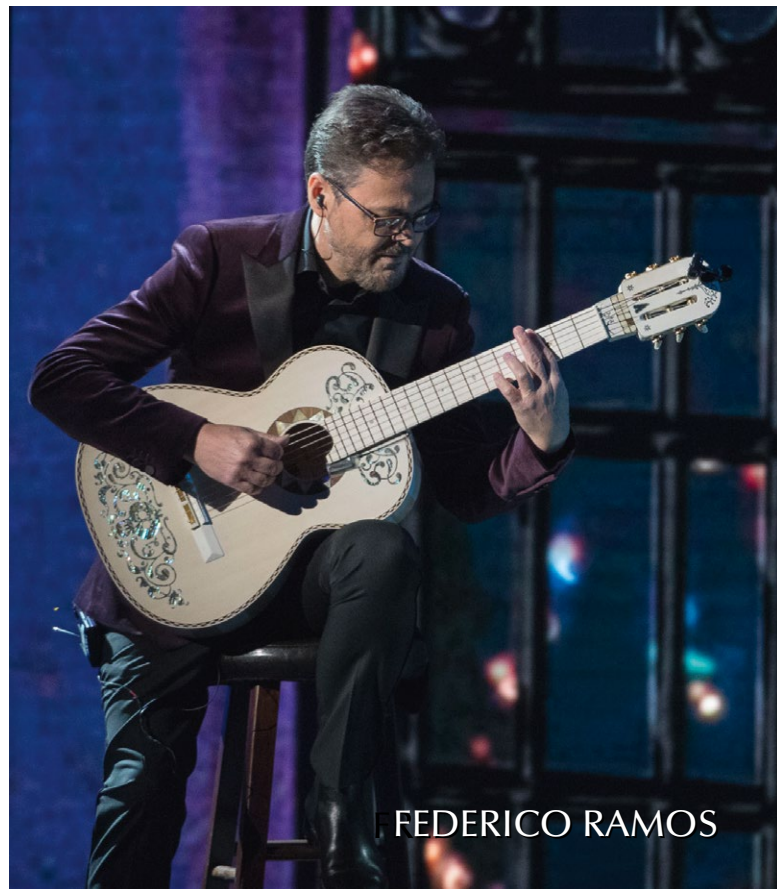
No.6 24K GOLD STRINGS Nylon High

| | | |
|------------------|------------------------|------------------------------|
| NO6.NHT1 | e' 1 | Clear Nylon |
| NO6.NHT2 | b 2 | Clear Nylon |
| NO6.NHT3 | g 3 | Clear Nylon |
| NO6.GHT3 | g 3 | 24K Gold |
| NO6.GHT4 | d 4 | 24K Gold |
| NO6.GHT5 | A 5 | 24K Gold |
| NO6.GHT6 | E 6 | 24K Gold |
| NO6.GNHT | Set ---- | 24K Gold |
| NO6.GNHTW | Set ---- | 24K Gold g3 wound |
| NO6.NHT | Treble set | Clear Nylon (e' 1, b 2, g 3) |
| NO6.GHT | Bass set | 24K Gold (d 4, A 5, E 6) |

No.6 24K GOLD STRINGS Carbon High

| | | |
|------------------|------------------------|---------------------------------|
| NO6.CHT1 | e' 1 | Natural Carbon |
| NO6.CHT2 | b 2 | Natural Carbon |
| NO6.CHT3 | g 3 | Natural Carbon |
| NO6.GHT3 | g 3 | 24K Gold |
| NO6.GHT4 | d 4 | 24K Gold |
| NO6.GHT5 | A 5 | 24K Gold |
| NO6.GHT6 | E 6 | 24K Gold |
| NO6.GCHT | Set ---- | 24K Gold |
| NO6.GCHTW | Set ---- | 24K Gold g3 wound |
| NO6.CHT | Treble set | Natural Carbon (e' 1, b 2, g 3) |
| NO6.GHT | Bass set | 24K Gold (d 4, A 5, E 6) |

CLASSICAL GUITAR



FEDERICO RAMOS

CLASSICAL GUITAR

OPTIMA No.6 – Every concert guitarist should remember the name of these strings, because they bring forth an entirely new dimension. We have left behind old patterns and materials and have merely reinvented the classical guitar string.



The bass strings are made with a wholly new core material, wound with a **Special Silver** wrapping, resulting in a string with an extraordinary fast response, a powerful sustainable tone very rich in overtones, where the sound spectrum remains perfectly balanced.

The set is completed with our Clear Nylon treble strings, or our highly praised Natural Carbon treble strings.



CLASSICAL GUITAR

New

No.6 SPECIAL SILVER STRINGS Nylon Low

| | | |
|------------------|---|--------------------------------|
| NO6.NLT1 | e'1 | Clear Nylon |
| NO6.NLT2 | b 2 | Clear Nylon |
| NO6.NLT3 | g 3 | Clear Nylon |
| NO6.SLT3 | g 3 | Special Silver |
| NO6.SLT4 | d 4 | Special Silver |
| NO6.SLT5 | A 5 | Special Silver |
| NO6.SLT6 | E 6 | Special Silver |
| NO6.SNLT | Set — — — | Special Silver |
| NO6.SNLTW | Set — — — | Special Silver g3 wound |
| NO6.NLT | Treble set | Clear Nylon (e'1, b 2, g 3) |
| NO6.SLT | Bass set | Special Silver (d 4, A 5, E 6) |

No.6 SPECIAL SILVER STRINGS Carbon Low

| | | |
|------------------|---|--------------------------------|
| NO6.CLT1 | e'1 | Natural Carbon |
| NO6.CLT2 | b 2 | Natural Carbon |
| NO6.CLT3 | g 3 | Natural Carbon |
| NO6.SLT3 | g 3 | Special Silver |
| NO6.SLT4 | d 4 | Special Silver |
| NO6.SLT5 | A 5 | Special Silver |
| NO6.SLT6 | E 6 | Special Silver |
| NO6.SCLT | Set — — — | Special Silver |
| NO6.SCLTW | Set — — — | Special Silver g3 wound |
| NO6.CLT | Treble set | Natural Carbon (e'1, b 2, g 3) |
| NO6.SLT | Bass set | Special Silver (d 4, A 5, E 6) |

CLASSICAL GUITAR

No.6 SPECIAL SILVER STRINGS Nylon Medium

| | | |
|------------------|------------------|--------------------------------|
| NO6.NMT1 | e' 1 | Clear Nylon |
| NO6.NMT2 | b 2 | Clear Nylon |
| NO6.NMT3 | g 3 | Clear Nylon |
| NO6.SMT3 | g 3 | Special Silver |
| NO6.SMT4 | d 4 | Special Silver |
| NO6.SMT5 | A 5 | Special Silver |
| NO6.SMT6 | E 6 | Special Silver |
| NO6.SNMT | Set - - - | Special Silver |
| NO6.SNMTW | Set - - - | Special Silver g3 wound |
| NO6.NMT | Treble set | Clear Nylon (e' 1, b 2, g 3) |
| NO6.SMT | Bass set | Special Silver (d 4, A 5, E 6) |

No.6 SPECIAL SILVER STRINGS Carbon Medium

| | | |
|------------------|------------------|---------------------------------|
| NO6.CMT1 | e' 1 | Natural Carbon |
| NO6.CMT2 | b 2 | Natural Carbon |
| NO6.CMT3 | g 3 | Natural Carbon |
| NO6.SMT3 | g 3 | Special Silver |
| NO6.SMT4 | d 4 | Special Silver |
| NO6.SMT5 | A 5 | Special Silver |
| NO6.SMT6 | E 6 | Special Silver |
| NO6.SCMT | Set - - - | Special Silver |
| NO6.SCMTW | Set - - - | Special Silver g3 wound |
| NO6.CMT | Treble set | Natural Carbon (e' 1, b 2, g 3) |
| NO6.SMT | Bass set | Special Silver (d 4, A 5, E 6) |

CLASSICAL GUITAR

NO.6 SPECIAL SILVER STRINGS Nylon High

| | | |
|------------------|------------------|--------------------------------|
| NO6.NHT1 | e' 1 | Clear Nylon |
| NO6.NHT2 | b 2 | Clear Nylon |
| NO6.NHT3 | g 3 | Clear Nylon |
| NO6.SHT3 | g 3 | Special Silver |
| NO6.SHT4 | d 4 | Special Silver |
| NO6.SHT5 | A 5 | Special Silver |
| NO6.SHT6 | E 6 | Special Silver |
| NO6.SNHT | Set - - - | Special Silver |
| NO6.SNHTW | Set - - - | Special Silver g3 wound |
| NO6.NHT | Treble set | Clear Nylon (e' 1, b 2, g 3) |
| NO6.SHT | Bass set | Special Silver (d 4, A 5, E 6) |

NO.6 SPECIAL SILVER STRINGS Carbon High

| | | |
|------------------|------------------|---------------------------------|
| NO6.CHT1 | e' 1 | Natural Carbon |
| NO6.CHT2 | b 2 | Natural Carbon |
| NO6.CHT3 | g 3 | Natural Carbon |
| NO6.SHT3 | g 3 | Special Silver |
| NO6.SHT4 | d 4 | Special Silver |
| NO6.SHT5 | A 5 | Special Silver |
| NO6.SHT6 | E 6 | Special Silver |
| NO6.SCHT | Set - - - | Special Silver |
| NO6.SCHTW | Set - - - | Special Silver g3 wound |
| NO6.CHT | Treble set | Natural Carbon (e' 1, b 2, g 3) |
| NO6.SHT | Bass set | Special Silver (d 4, A 5, E 6) |

CLASSICAL GUITAR

OPTIMA SILVER CLASSICS

Our new concept for the development of the No.6 series has been the basis for the further development of this popular string series. A special **Silver coating** gives to these strings high durability.

An excellent set of strings which is suitable for any guitarist.



„The OPTIMA Classics strings immediately convinced us. We love the clarity and sonic formability of the treble and the brilliance and warmth of the bass. It is a pleasure to see how the strings harmonize perfectly with us and our instruments in concerts.“

Johann Jacob Nissen



CLASSICAL GUITAR

New

SILVER CLASSICS Nylon Medium

| | | |
|----------------|------------|--------------|
| 271.NMT | e' 1 | Clear Nylon |
| 272.NMT | b 2 | Clear Nylon |
| 273.NMT | g 3 | Clear Nylon |
| 274.MT | d 4 | Silver wound |
| 275.MT | A 5 | Silver wound |
| 276.MT | E 6 | Silver wound |
| 270.NMT | Set | |

SILVER CLASSICS Carbon Medium

| | | |
|----------------|------------|----------------|
| NO6.CMT1 | e' 1 | Natural Carbon |
| NO6.CMT2 | b 2 | Natural Carbon |
| NO6.CMT3 | g 3 | Natural Carbon |
| 274.MT | d 4 | Silver wound |
| 275.MT | A 5 | Silver wound |
| 276.MT | E 6 | Silver wound |
| 270.CMT | Set | |

... You deserve

CLASSICAL GUITAR

SILVER CLASSICS Nylon High

| | | |
|----------------|------------|--------------|
| 271.NHT | e' 1 | Clear Nylon |
| 272.NHT | b 2 | Clear Nylon |
| 273.NHT | g 3 | Clear Nylon |
| 274.HT | d 4 | Silver wound |
| 275.HT | A 5 | Silver wound |
| 276.HT | E 6 | Silver wound |
| 270.NHT | Set | |

SILVER CLASSICS Carbon High

| | | |
|----------------|------------|----------------|
| NO6.CHT1 | e' 1 | Natural Carbon |
| NO6.CHT2 | b 2 | Natural Carbon |
| NO6.CHT3 | g 3 | Natural Carbon |
| 274.HT | d 4 | Silver wound |
| 275.HT | A 5 | Silver wound |
| 276.HT | E 6 | Silver wound |
| 270.CHT | Set | |

the optimum

CLASSICAL GUITAR



CLASSICAL GUITAR

The **OPTIMA BRONZE CLASSICS**

Our new concept for the development of the No.6 series has been the basis for the further development of this popular string series. The Bronze winding gives these strings their particular sound beauty.

An excellent set of strings which is suitable for any guitarist.



BRONZE CLASSICS Medium – Nickel free!

| | | |
|----------------|------------|--------------|
| 271.NMT | e' 1 | Clear Nylon |
| 272.NMT | b 2 | Clear Nylon |
| 273.NMT | g 3 | Clear Nylon |
| 284.MT | d 4 | Bronze wound |
| 285.MT | A 5 | Bronze wound |
| 286.MT | E 6 | Bronze wound |
| 280.NMT | Set | |

CLASSICAL GUITAR

New

The **OPTIMA GUT CLASSICS** is the newest in our concert guitar series.

The lamb gut strings are all painted and have a much higher robustness and durability than conventional gut strings.

Especially developed for older instruments and for guitarist looking for a very natural warm sound.



BRONZE GUT CLASSICS Medium – Nickel free!

| | | |
|----------------|------------|--------------------|
| 291.MT | e' 1 | Real Gut lacquered |
| 292.MT | b 2 | Real Gut lacquered |
| 293.MT | g 3 | Real Gut lacquered |
| 284.MT | d 4 | Bronze wound |
| 285.MT | A 5 | Bronze wound |
| 286.MT | E 6 | Bronze wound |
| 280.GMT | Set | |

CLASSICAL GUITAR

OPTIMA GOLD STRINGS

Our traditional Gold Strings for the classical guitar, coated with **24 Karat Gold** developed in Germany for the highest tonal demands.

A special harder wire is used for the classical guitar, which gives these strings very bright sound.

This series reflects our **100 years tradition of craftsmanship** in the making of premium high quality strings.



GOLD STRINGS Nylon

| | | |
|---------------|------------|-----------------------|
| 1531 | e' 1 | Nylon |
| 1532 | b 2 | Nylon |
| 1533 | g 3 | Nylon Gold wound |
| 1534 | g 3 | Nylon blank |
| 1535 | d 4 | Nylon Gold wound |
| 1536 | A 5 | Nylon Gold wound |
| 1537 | E 6 | Nylon Gold wound |
| 1538 | Set | g3 wound |
| 1538.B | Set | g3 Nylon plain |

CONTRAGUITAR

OPTIMA SILVER CLASSIC STRINGS CONTRAGUITAR

We have supplemented our Silver Classics (270.NMT) set for the **15-string Schrammel Guitar** or **Contraguitar** with our proven Kontrasaiten.

The result is a set with a perfectly tuned sound and higher durability, especially developed for this instrument.



SILVER CLASSICS CONTRAGUITAR

| | | |
|-------------|-------------------------------|--------------|
| 271.NMT | e' 1 | Clear Nylon |
| 272.NMT | b 2 | Clear Nylon |
| 273.NMT | g 3 | Clear Nylon |
| 274.MT | d 4 | Silver wound |
| 275.MT | A 5 | Silver wound |
| 276.MT | E 6 | Silver wound |
| 1411.07 | Es 7 | Silver wound |
| 1411.08 | D 8 | Silver wound |
| 1411.09 | Cis 9 | Silver wound |
| 1411.10 | C 10 | Silver wound |
| 1411.11 | B 11 | Silver wound |
| 1411.12 | Bb 12 | Silver wound |
| 1411.13 | A 13 | Silver wound |
| 1411.14 | Gis 14 | Silver wound |
| 1411.15 | G 15 | Silver wound |
| 1412 | Set 15-string (E1-G15) | |

CHILDREN GUITAR

Our **OPTIMA SILVER CLASSICS** are also available for small scale and children guitars. The strings are specially manufactured for each guitar size. They are accurately calculated and have the same sound quality as the regular 4/4 string sets.



All sets are delivered with a **wound g3 string**. The 3/4 set is also available with a plain nylon g3 string. The special coating gives these strings high durability.

SILVER CLASSICS Children Guitar 3/4

| | | |
|---------------------|------------|--------------------------------------|
| 271.NMT.3.4 | e' 1 | Clear Nylon |
| 272.NMT.3.4 | b 2 | Clear Nylon |
| 273.NMT.3.4 | g 3 | Clear Nylon |
| 273.MT.3.4 | g 3 | Silver wound |
| 274.MT.3.4 | d 4 | Silver wound |
| 275.MT.3.4 | A 5 | Silver wound |
| 276.MT.3.4 | E 6 | Silver wound |
| 270.NMT.3.4 | Set | 3/4 (57-62 cm) g3 Nylon plain |
| 270.NMTW.3.4 | Set | 3/4 (57-62 cm) g3 wound |

CHILDREN GUITAR

SILVER CLASSICS Children Guitar 1/2

| | | |
|--------------------|------------|--------------------------------|
| 271.NMT.1.2 | e' 1 | Clear Nylon |
| 272.NMT.1.2 | b 2 | Clear Nylon |
| 273.MT.1.2 | g 3 | Silver wound |
| 274.MT.1.2 | d 4 | Silver wound |
| 275.MT.1.2 | A 5 | Silver wound |
| 276.MT.1.2 | E 6 | Silver wound |
| 270.NMT.1.2 | Set | 1/2 (51-56 cm) g3 wound |

SILVER CLASSICS Children Guitar 1/4

| | | |
|--------------------|------------|--------------------------------|
| 271.NMT.1.4 | e' 1 | Clear Nylon |
| 272.NMT.1.4 | b 2 | Clear Nylon |
| 273.MT.1.4 | g 3 | Silver wound |
| 274.MT.1.4 | d 4 | Silver wound |
| 275.MT.1.4 | A 5 | Silver wound |
| 276.MT.1.4 | E 6 | Silver wound |
| 270.NMT.1.4 | Set | 1/4 (45-50 cm) g3 wound |

SILVER CLASSICS Children Guitar 1/8

| | | |
|--------------------|------------|---------------------------------|
| 271.NMT.1.8 | e' 1 | Clear Nylon |
| 272.NMT.1.8 | b 2 | Clear Nylon |
| 273.MT.1.8 | g 3 | Silver wound |
| 274.MT.1.8 | d 4 | Silver wound |
| 275.MT.1.8 | A 5 | Silver wound |
| 276.MT.1.8 | E 6 | Silver wound |
| 270.NMT.1.8 | Set | 1/8 (39- 44 cm) g3 wound |



*For
Collecting*

Each string set comes with one of the 10 cool stickers with our mouse Optimo for collecting.



MANDOLIN

Probably the most played mandolin string in the world, the “World Famous” **OPTIMA CHROME STRINGS** are very popular, due to their peculiar sound characteristics and exceptional long durability.

Countless orchestras play our **CHROME MANDOLIN STRINGS** and keep expressing their satisfaction with the excellent quality of these strings every day. Many years of development, the right selection of materials and especially the **exclusive craftsmanship** during production, are these strings secrets. Finely polished, they offer a unique feel combined with the best sound.

These strings are available in Ball End versión with a 10% surcharge.



CHROME STRINGS polished

| | | | |
|-------------|------------|------|---------------|
| 2101 | e" | .010 | Chrome Steel |
| 2102 | a' | .013 | Chrome Steel |
| 2103 | d' | .023 | Chrome Nickel |
| 2104 | g | .036 | Chrome Nickel |
| 2105 | Set | | |

MANDOLIN

The **OPTIMA CHROME SPECIAL STRINGS** are yet a further development of our **CHROME MANDOLIN STRINGS**. The use of slightly modified alloys and a special polishing developed only for these series, creates a set of strings that emphasizes the mandolin sound even better.

A “**Made in Germany**” top quality product.

These strings are available in Ball End versión with a 10% surcharge.



CHROME SPECIAL STRINGS polished

| | | | |
|-------------|------------|------|------------------|
| 4101 | e" | .010 | Chrome Steel |
| 4102 | a' | .013 | Chrome Steel |
| 4103 | d' | .022 | Special polished |
| 4104 | g | .036 | Special polished |
| 4105 | Set | | |

With the **BLACK LABEL** series, we have combined all of our years of experience in Mandolin strings production, into this new high end set of strings.

Audible and visible “**Made in Germany**” quality, superbly handmade using only the very best materials, they are 100% pure nickel.



If you want to play mandolin at the highest levels, you can't beat these strings!

Also available in Ball End version with 10% surcharge.

BLACK LABEL STRINGS polished

| | | | |
|-------------|------------|------|----------------------|
| 5101 | e" | .010 | Chrome Steel |
| 5102 | a' | .013 | Chrome Steel |
| 5103 | d' | .022 | Pure Nickel polished |
| 5104 | g | .035 | Pure Nickel polished |
| 5105 | Set | | |



MASATAKA HORI

The **24K OPTIMA GOLD STRINGS** are finally available for the mandolin. These strings are unpolished and feature a powerful, brilliant sound and long durability due to the **24K Gold finish**.

Available in Ball End version with a 10% surcharge.



24K GOLD STRINGS

| | | | |
|-------------|------------|------|----------|
| 2151 | e | .010 | 24K Gold |
| 2152 | a | .013 | 24K Gold |
| 2153 | d | .023 | 24K Gold |
| 2154 | g | .036 | 24K Gold |
| 2155 | Set | | |

The **OPTIMA SILVER STRINGS** for mandolin convince the ears mainly with the sound of the Silver plated D and G strings, and have a traditional posy at the end of the string.

This set is suitable for beginners as well as advanced students and professionals.

Also available in Ball End version with a 10% surcharge.



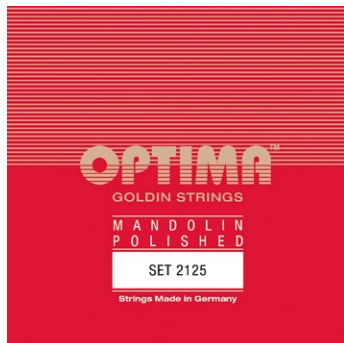
SILVER STRINGS

| | | | |
|-------------|------------|------|---------------|
| 2141 | e | .010 | Silver Steel |
| 2142 | a | .013 | Silver Steel |
| 2143 | d | .023 | Silver plated |
| 2144 | g | .033 | Silver plated |
| 2145 | Set | | |

MANDOLIN

Our **OPTIMA GOLDIN STRINGS** are characterized by a selection of the finest materials. The D and G strings are wound with Tombak and finely polished. Many years of development and the exclusive craftsmanship during production, are these strings very special secrets.

Available in Ball End version with a 10% surcharge.



GOLDIN STRINGS polished

| | | | |
|-------------|------------|------|--------------|
| 2121 | e'' | .010 | Silver Steel |
| 2122 | a' | .013 | Silver Steel |
| 2123 | d' | .023 | Goldin |
| 2124 | g | .036 | Goldin |
| 2125 | Set | | |

MANDOLIN

HISAE TAKEMA



MANDOLIN

OPTIMA SOLOIST FLATWOUND STRINGS, a perfect set braided with a stainless E1 and pure nickel flat wire A2-G4 strings. The ideal set for the professional mandolin player.

Also available in Ball End version with a 10% surcharge.



SOLOIST FLATWOUND STRINGS Light

| | | | |
|---------------|------------|------|-----------------------|
| 3051.L | e" | .010 | Chrome Steel |
| 3052.L | a' | .013 | Pure Nickel flatwound |
| 3053.L | d' | .020 | Pure Nickel flatwound |
| 3054.L | g | .030 | Pure Nickel flatwound |
| 3050.L | Set | | Light |

MANDOLIN

SOLOIST FLATWOUND STRINGS Medium

| | | | |
|---------------|------------|-------|-----------------------|
| 3051.M | e" | .0105 | Chrome Steel |
| 3052.M | a' | .015 | Pure Nickel flatwound |
| 3053.M | d' | .022 | Pure Nickel flatwound |
| 3054.M | g | .031 | Pure Nickel flatwound |
| 3050.M | Set | | Medium |

SOLOIST FLATWOUND STRINGS Heavy

| | | | |
|---------------|------------|------|-----------------------|
| 3051.H | e" | .011 | Chrome Steel |
| 3052.H | a' | .016 | Pure Nickel flatwound |
| 3053.H | d' | .023 | Pure Nickel flatwound |
| 3054.H | g | .033 | Pure Nickel flatwound |
| 3050.H | Set | | Heavy |

MANDOLIN

The **OPTIMA EMBERGHER CONSORT STRINGS** are specially designed for historical mandolins such as de Embergher model. They are wound with fine bronze wire and finely polished.



EMBERGHER CONSORT STRINGS

| | | | |
|-------------|------------|------|-----------------------|
| 3051.L | e" | .010 | Chrome Steel |
| 3052.M | a' | .015 | Pure Nickel flatwound |
| 3033 | d' | .022 | Bronze polished |
| 3034 | g | .033 | Bronze polished |
| 3030 | Set | | |

MANDOLIN

OPTIMA ARTIST STRINGS

Our Mandolin strings with round core and silk inlay (silk & steel), medium gauge.



ARTIST STRINGS

| | | | |
|-------------|------------|------|---------------|
| 3011 | e" | .095 | Chrome Steel |
| 3012 | a' | .013 | Chrome Steel |
| 3013 | d' | .022 | Silver plated |
| 3014 | g | .033 | Silver plated |
| 3010 | Set | | |

MANDOLA

The **OPTIMA CHROME STRINGS**, are the first choice for many musicians. Our decades long experience in the production of the Mandola strings comes clearly into effect. These finely polished strings leave nothing to be desired.



CHROME STRINGS polished

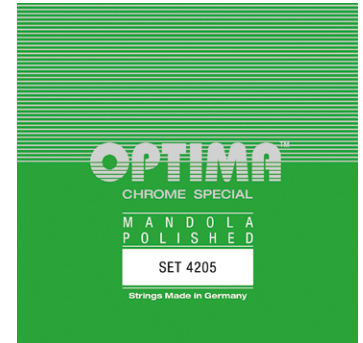
| | | | |
|-------------|------------|------|---------------|
| 2201 | e' | .019 | Chrome Nickel |
| 2202 | a | .028 | Chrome Nickel |
| 2203 | d | .039 | Chrome Nickel |
| 2204 | G | .060 | Chrome Nickel |
| 2205 | Set | | |



MANDOLA

The **OPTIMA CHROME SPECIAL STRINGS** are a further development of our CHROME STRINGS.

The use of slightly modified alloys and the special polishing only developed for this set, emphasize the Mandola sound even better. A top quality product **“Made in Germany”**



CHROME STRINGS polished

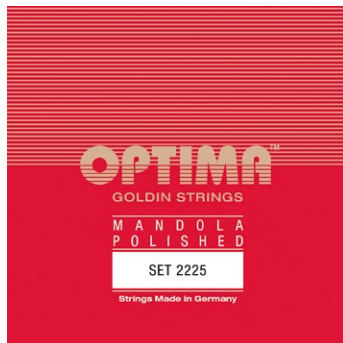
| | | | |
|-------------|------------|------|------------------|
| 4201 | e' | .019 | Special polished |
| 4202 | a | .028 | Special polished |
| 4203 | d | .039 | Special polished |
| 4204 | G | .060 | Special polished |
| 4205 | Set | | |

...made in

MANDOLA

The **OPTIMA GOLDIN STRINGS** are characterized by a meticulous selection of the finest materials. All the strings in this set are wound with Tombak and finely polished.

Many years of development, the right choice of materials and most specially the **craftsmanship** applied during the process of production of these strings are their deepest secrets.



GOLDIN STRINGS polished

| | | | |
|-------------|------------|------|--------|
| 2221 | e' | .019 | Goldin |
| 2222 | a | .028 | Goldin |
| 2223 | d | .039 | Goldin |
| 2224 | G | .060 | Goldin |
| 2225 | Set | | |

Germany

MANDRIOLA

OPTIMA SILVER STRINGS are unpolished and wound with a silver plated copper wire. All the strings in this set have the traditional pony at their end.



MANDRIOLA SILVER STRINGS

| | | |
|-------------|--|---------------|
| 2501.H | e" | Silver Steel |
| 2501.T | e' | Silver plated |
| 2502.H | a' | Silver Steel |
| 2502.T | a | Silver plated |
| 2503.H | d' | Silver plated |
| 2503.T | d | Silver plated |
| 2504.H | g | Silver plated |
| 2504.T | G | Silver plated |
| 2505 | Set 12-string | |
| | e" e" e', a' a' a, d' d' d, g g G | |

MANDO CELLO

OPTIMA CHROME STRINGS are the reference strings for this instrument. Our long and vast experience in the production of strings for the Mando Cello comes clearly into effect here.

These finely polished strings leave nothing to be desired.



CHROME STRINGS polished

| | | | |
|-------------|------------|------|---------------|
| 2301 | a | .022 | Chrome Nickel |
| 2302 | d | .034 | Chrome Nickel |
| 2303 | G | .051 | Chrome Nickel |
| 2304 | C | .073 | Chrome Nickel |
| 2305 | Set | | |

MANDO CELLO

The **OPTIMA CHROME SPECIAL STRINGS** are a further development from the CHROME STRINGS. The use of slightly modified alloys and a polishing method designed only for this series, create a set of strings that emphasizes the sound of the Mando Cello much better.

Another top quality set of strings
“Made in Germany”



CHROME STRINGS polished

| | | | |
|-------------|------------|------|------------------|
| 4301 | a | .022 | Special polished |
| 4302 | d | .034 | Special polished |
| 4303 | G | .050 | Special polished |
| 4304 | C | .073 | Special polished |
| 4305 | Set | | |

WALDZITHER

For the **Thuringian Waldzither (Thüringer Waldzither)** we have developed a unique set with a silver plated copper wire with loop end. All strings have the traditional posy.



WALDZITHER SILVER STRINGS

| | | | |
|-------------|---------------------|------|---------------|
| 2601 | g' | .013 | Silver Steel |
| 2602 | e' | .017 | Silver Steel |
| 2603 | c' | .023 | Silver plated |
| 2604 | g | .032 | Silver plated |
| 2605 | c | .035 | Silver plated |
| 2606 | Set 9-string | | |

WALDZITHER

The strings for the **Hamburger or Böhmwaldzither** are identical with those of the **Thüringer Waldzither**, however they have a loop end in both ends of the strings.

Please indicate the exact total length of the strings with every order, including the loop ends.



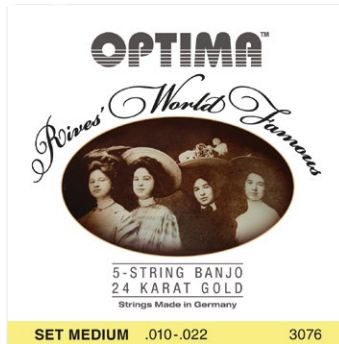
BÖHMWALDZITHER SILVER STRINGS

| | | | |
|----------------|---------------------|------|---------------|
| 2601.2S | g' 1 | .013 | Silver Steel |
| 2602.2S | e' 2 | .017 | Silver Steel |
| 2603.2S | c' 3 | .023 | Silver plated |
| 2604.2S | g 4 | .032 | Silver plated |
| 2605.2S | c 5 | .035 | Silver plated |
| 2606.2S | Set 9-string | | |

24K GOLD BANJO

New

The **OPTIMA Rives' World Famous 24 K Gold** Banjo Strings were created in recognition of one of the most legendary artist family in the late 19th and early 20th centuries, the Rives Sisters of Searcy, Arkansas.



24K GOLD BANJO

The Gold makes these strings soft to the touch and gives them a very warm and clear spectrum of unique overtones. At the same time they are protected against tarnishing and corrosion. These strings are traditionally **handmade in Germany**.

The **24K GOLD BANJO** strings are available as complete 5 strings sets in light and medium gauges.

5-STRING BANJO 24K GOLD STRINGS „RIVES“ Light

| | | | |
|-------------|------------|------|---------------|
| 3061 | d' 1 | .009 | Silver Steel |
| 3062 | b 2 | .011 | Silver Steel |
| 3063 | g 3 | .013 | Silver plated |
| 3064 | c 4 | .020 | Silver plated |
| 3065 | g' 5 | .009 | Silver Steel |
| 3066 | Set | | Light |

5-STRING BANJO 24K GOLD STRINGS „RIVES“ Medium

| | | | |
|-------------|------------|------|---------------|
| 3071 | d' 1 | .010 | Silver Steel |
| 3072 | b 2 | .012 | Silver Steel |
| 3073 | g 3 | .014 | Silver plated |
| 3074 | c 4 | .022 | Silver plated |
| 3075 | g' 5 | .010 | Silver Steel |
| 3076 | Set | | Medium |

TENOR BANJO SILVER STRINGS

| | | | |
|-------------|------------|------|---------------|
| 2701 | a' 1 | .009 | Silver Steel |
| 2702 | d' 2 | .012 | Silver Steel |
| 2703 | g 3 | .022 | Silver plated |
| 2704 | c 4 | .031 | Silver plated |
| 2705 | Set | | |

TENOR BANJO CHROME STRINGS POLISHED

| | | | |
|-------------|------------|------|---------------|
| 2701 | a' 1 | .009 | Silver Steel |
| 2702 | d' 2 | .012 | Silver Steel |
| 2709 | g 3 | .022 | Chrome Nickel |
| 2710 | c 4 | .031 | Chrome Nickel |
| 2711 | Set | | |

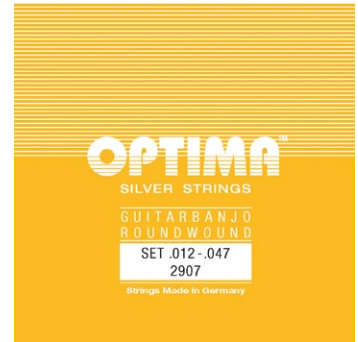
5-STRING BANJO SILVER STRINGS

| | | | |
|-------------|------------|------|---------------|
| 3001 | d' 1 | .009 | Silver Steel |
| 3002 | b 2 | .012 | Silver Steel |
| 3003 | g 3 | .017 | Silver plated |
| 3004 | c 4 | .019 | Silver plated |
| 3005 | g' 5 | .009 | Silver Steel |
| 3006 | Set | | |

OPTIMA BANJO STRINGS have this certain “twang”, this little pitch fluctuation that when plucked makes out the most traditional sound for Banjo music.

Our silver plated strings sound smoother than the standard Phosphorus Bronze strings, therefore they're ideal for the Banjo.

Available in Ball End version with a 10% surcharge.



GUITAR BANJO SILVER STRINGS

| | | | |
|-------------|------------|------|---------------|
| 2901 | e' 1 | .012 | Silver Steel |
| 2902 | b 2 | .015 | Silver Steel |
| 2903 | g 3 | .020 | Silver plated |
| 2904 | d 4 | .028 | Silver plated |
| 2905 | A 5 | .034 | Silver plated |
| 2906 | E 6 | .047 | Silver plated |
| 2907 | Set | | |

VIOLIN

Original Heifetz

The **OPTIMA GOLDBROKAT** is our most famous to date “e” string for Violin. They impress with a perfect sound and were the chosen strings by the great Violin virtuoso **Jascha Heifetz**.

Available in all scale lengths, 4/4, 3/4, 1/2, 1/4, 1/8, 1/16, **with Ball or loop ends** in 5 different tensions.



GOLDBROKAT E" Single string with Ball End

| | | | |
|-------------|---------|---------------|--|
| G.1001.24.B | e" 0.24 | Steel x-light | |
| G.1001.25.B | e" 0.25 | Steel light | |
| G.1001.26.B | e" 0.26 | Steel medium | |
| G.1001.27.B | e" 0.27 | Steel hard | |
| G.1001.28.B | e" 0.28 | Steel x-hard | |

GOLDBROKAT E" Single string with loop end

| | | | |
|-------------|---------|---------------|--|
| G.1001.24.L | e" 0.24 | Steel x-light | |
| G.1001.25.L | e" 0.25 | Steel light | |
| G.1001.26.L | e" 0.26 | Steel medium | |
| G.1001.27.L | e" 0.27 | Steel hard | |
| G.1001.28.L | e" 0.28 | Steel x-hard | |

VIOLIN

OPTIMA GOLDBROKAT PREMIUM 24K GOLD - based on the OPTIMA GOLDBROKAT PREMIUM, coated in a complex with genuine **24 Karat Gold**, this gilding gives this “e” string a warm and wonderfully soft sound and perfect protection.

Available in all scale lengths, **with Ball or loop ends** and in 5 different tensions.



GOLDBROKAT PREMIUM 24K GOLD E" Single string with Ball End

| | | | |
|-------------|---------|---------------|--|
| G.1061.24.B | e" 0.24 | Steel x-light | |
| G.1061.25.B | e" 0.25 | Steel light | |
| G.1061.26.B | e" 0.26 | Steel medium | |
| G.1061.27.B | e" 0.27 | Steel hard | |
| G.1061.28.B | e" 0.28 | Steel x-hard | |

GOLDBROKAT PREMIUM 24K GOLD E" Single string with loop end

| | | | |
|-------------|---------|---------------|--|
| G.1061.24.L | e" 0.24 | Steel x-light | |
| G.1061.25.L | e" 0.25 | Steel light | |
| G.1061.26.L | e" 0.26 | Steel medium | |
| G.1061.27.L | e" 0.27 | Steel hard | |
| G.1061.28.L | e" 0.28 | Steel x-hard | |

VIOLIN

OPTIMA GOLDBROKAT PREMIUM e" STRINGS. Made with a new special steel, with a remarkable even surface, it sets new standards in quality and sound characteristics. With an excellent response, brilliant and warm sound. Long durability.

Available in all scale lengths with ball or loop ends, in 5 different tensions.



GOLDBROKAT PREMIUM E" Single string with Ball End

| | | | |
|-------------|---------|---------------|--|
| G.1051.24.B | e" 0.24 | Steel x-light | |
| G.1051.25.B | e" 0.25 | Steel light | |
| G.1051.26.B | e" 0.26 | Steel medium | |
| G.1051.27.B | e" 0.27 | Steel hard | |
| G.1051.28.B | e" 0.28 | Steel x-hard | |

GOLDBROKAT PREMIUM E" Single string with loop end

| | | | |
|-------------|---------|---------------|--|
| G.1051.24.L | e" 0.24 | Steel x-light | |
| G.1051.25.L | e" 0.25 | Steel light | |
| G.1051.26.L | e" 0.26 | Steel medium | |
| G.1051.27.L | e" 0.27 | Steel hard | |
| G.1051.28.L | e" 0.28 | Steel x-hard | |

VIOLIN

OPTIMA GOLDBROKAT PREMIUM BRASSED "e" STRINGS. The Brass coating, offers improved protection and a perfect sound alternative for every musician.

Available in all scale lengths with ball or loop ends, in 5 different tensions.



GOLDBROKAT PREMIUM BRASSED E" Single string with Ball End

| | | | |
|-------------|---------|---------------|--|
| G.1071.24.B | e" 0.24 | Steel x-light | |
| G.1071.25.B | e" 0.25 | Steel light | |
| G.1071.26.B | e" 0.26 | Steel medium | |
| G.1071.27.B | e" 0.27 | Steel hard | |
| G.1071.28.B | e" 0.28 | Steel x-hard | |

GOLDBROKAT PREMIUM BRASSED E" Single string with loop end

| | | | |
|-------------|---------|---------------|--|
| G.1071.24.L | e" 0.24 | Steel x-light | |
| G.1071.25.L | e" 0.25 | Steel light | |
| G.1071.26.L | e" 0.26 | Steel medium | |
| G.1071.27.L | e" 0.27 | Steel hard | |
| G.1071.28.L | e" 0.28 | Steel x-hard | |

VIOLIN

Our **OPTIMA GOLDBROKAT** set for violin is made and controlled exclusively by hand to achieve a consistently high sound quality.

*e"-string
Original
Heifetz*



GOLDBROKAT SET

| | | | |
|-------------|----|--------------|--|
| G.1001.26.B | e" | Steel medium | |
| G.1001.26.L | e" | Steel medium | |
| G.1002 | a' | Alu polished | |
| G.1003 | d' | Alu polished | |
| G.1004 | g | Alu polished | |

G.1000.B Set with e" Ball End

G.1000.L Set with e" Loop End

available as 4/4, 3/4, 1/2, 1/4, 1/8, 1/16

VIOLIN

For our **OPTIMA PROTOS** strings for violin, we use only the finest 100% pure nickel flat wire and thus achieve outstanding playability with a unique sound.



PROTOS SET

| | | | |
|----------|----|-----------------------|--|
| P.1011.B | e" | Steel medium | |
| P.1011.L | e" | Steel medium | |
| P.1012 | a' | Pure Nickel flatwound | |
| P.1013 | d' | Pure Nickel flatwound | |
| P.1014 | g | Pure Nickel flatwound | |

P.1010.B Set with e" Ball End

P.1010.L Set with e" Loop End

available as 4/4, 3/4, 1/2, 1/4, 1/8, 1/16

The **OPTIMA Gut Klang** set combines the bare and finest real Gut A and D strings, with the Pure Gut wound G string and our Goldbrokat E, the legendary string played by the famous violin virtuoso **Jascha Heifetz**.

Your instrument will elicit a very convincing excellent sound quality that you have never heard before.



GUT KLANG

| | | |
|-------------|----|----------------------------|
| G.1001.26.B | e" | Steel medium |
| G.1001.26.L | e" | Steel medium |
| G.1402.M | a' | Real Gut |
| G.1403.M | d' | Real Gut |
| G.1404.M | g | Real Gut Pure Silver wound |

G.1400.MB Set with e" Ball End

G.1400.ML Set with e" Loop End

| | | |
|-------------------|-------|----|
| Also available as | Light | .L |
| | Heavy | .H |

With the **OPTIMA GOLDKOPF** we have created a perfect steel string, suitable for both students and artists. The pure nickel flat wire wrapping is finely polished and offers the best sound results with excellent playability.



GOLDKOPF FLATWOUND POLISHED

| | | |
|-----|----|-----------------------|
| 201 | e" | Silver Steel |
| 202 | a' | Pure Nickel flatwound |
| 203 | d' | Pure Nickel flatwound |
| 204 | g | Pure Nickel flatwound |

205 Set with e" Ball End

VIOLA

Our **OPTIMA GOLDBROKAT** set for viola is made and controlled exclusively by hand to achieve a consistent very high tonal quality.



GOLDBROKAT

| | | | |
|---------------|------------|----------------------|--|
| G.1101 | a' | Alu polished | |
| G.1102 | d' | Alu polished | |
| G.1103 | g | Alu polished | |
| G.1104 | c | Pure Nickel polished | |
| G.1100 | Set | | |

available as 4/4, 3/4, 1/2, 1/4, 1/8

VIOLA

For our **OPTIMA PROTOS** viola strings, we use the finest 100% pure nickel flat wire and thus achieve outstanding playability with excellent sound.



PROTOS

| | | | |
|---------------|------------|-----------------------|--|
| P.1111 | a' | Pure Nickel flatwound | |
| P.1112 | d' | Pure Nickel flatwound | |
| P.1113 | g | Pure Nickel flatwound | |
| P.1114 | c | Pure Nickel flatwound | |
| P.1110 | Set | | |

available as 4/4, 3/4, 1/2, 1/4, 1/8

OPTIMA FIDEL strings are available for treble, alto and tenor Fidel.

These strings were developed especially by us for the sound of medieval instruments. Authenticity, excellent sound characteristics and long durability are in the foreground here.



DISKANT FIDEL

| | | |
|-------------|---------------------|---------------|
| 1001 | d ^{''} | Silver Steel |
| 1002 | a ['] | Silver Steel |
| 1003 | e ['] | Aluminium |
| 1004 | c ['] | Aluminium |
| 1005 | g | Aluminium |
| 1006 | d | Chrome Nickel |
| 1007 | Set 6-string | |

ALTO FIDEL

| | | |
|-------------|---------------------|---------------|
| 1021 | g ['] | Silver Steel |
| 1022 | d ['] | Silver Steel |
| 1023 | a | Aluminium |
| 1024 | f | Aluminium |
| 1025 | c | Chrome Nickel |
| 1026 | G | Chrome Nickel |
| 1027 | Set 6-string | |

TENOR FIDEL

| | | |
|-------------|---------------------|---------------|
| 1041 | d | Silver Steel |
| 1042 | a | Aluminium |
| 1043 | e | Aluminium |
| 1044 | c | Silver plated |
| 1045 | G | Silver plated |
| 1046 | D | Silver plated |
| 1047 | Set 6-string | |

CELLO

Our **OPTIMA GOLDBROKAT** set for cello is 100% made and controlled by hand to get a constant very high sound quality.



GOLDBROKAT

| | | | |
|--------|---|-----------------|--|
| G.1201 | a | Alu polished | |
| G.1202 | d | Alu polished | |
| G.1203 | G | Alu polished | |
| G.1204 | C | Nickel polished | |

G.1200 Set

available as 4/4, 3/4, 1/2, 1/4

CELLO

For our **OPTIMA PROTOS** strings for cello, we use only the finest 100% pure nickel flat wire and thus achieve excellent playability with excellent sound.



PROTOS

| | | | |
|--------|---|-----------------------|--|
| P.1211 | a | Pure Nickel flatwound | |
| P.1212 | d | Pure Nickel flatwound | |
| P.1213 | G | Pure Nickel flatwound | |
| P.1214 | C | Pure Nickel flatwound | |

P.1210 Set

available as 4/4, 3/4, 1/2, 1/4

DOUBLE BASS *New*

The lamb gut core of our new **OPTIMA Gut Klang** set is made, finely wound and polished by hand.

These set has a clear and brilliant sound, complex tonal possibilities and is suited for arco and pizzicato. The special gut we use gives these strings a long sustain.



GUT KLANG

| | | |
|------------|----------------------------|---|
| 911 | G | Real Gut |
| 912 | D | Real Gut |
| 913 | A | Real Gut |
| 913.W | A | Real Gut Silver wound |
| 914 | E | Real Gut |
| 914.W | E | Real Gut Silver wound |
| 915 | B | Real Gut |
| 916 | C | Real Gut |
| 910 | Set | G Gut, D Gut, A Gut, E Gut |
| 920 | Set (wound A) | G Gut, D Gut, A Silver wound, E Gut |
| 930 | Set (wound A, E) | G Gut, D Gut, A Silver wound, E Silver wound |

DOUBLE BASS

For our **OPTIMA PROTOS** strings for the powerful double bass, we use only the very finest 100% pure nickel flat wire and thus achieve outstanding playability with excellent sound.

Available in all scales - 4/4, 3/4, 1/2, 1/4, 1/8, 1/16, with Ball End .



PROTOS

| | | | |
|--------|---|-----------------------|--|
| P.1301 | G | Pure Nickel flatwound | |
| P.1302 | D | Pure Nickel flatwound | |
| P.1303 | A | Pure Nickel flatwound | |
| P.1304 | E | Pure Nickel flatwound | |

P.1300 Set

available as 4/4, 3/4, 1/2, 1/4, 1/8, 1/16

ACCESSORIES

OPTIMA GUITAR STRAP

Suitable for guitar and bass, with noble OPTIMA embossing. Available in 4 different materials - most excellent buffalo leather and cowhide in black, and suede in natural and brown.

Length 100 to 147 cm - **width** 6 cm

Made in Germany by Richter Straps.



GUITAR STRAP LEATHER

| | | |
|--------|---------------------------|--------|
| A.1210 | Exclusive Buffalo Leather | Black |
| A.1211 | Waxy Suede Leather | Nature |
| A.1212 | Waxy Suede Leather | Brown |
| A.1213 | Waxy Suede Leather | Black |

ACCESSORIES

New

OPTIMA GUITAR STRAP

Suitable for guitar and bass, with noble OPTIMA embossing. Available in 4 different materials - most excellent buffalo leather and cowhide in black, and suede in natural and brown.

Length 100 to 147 cm - **width** 9 cm

Made in Germany by Richter Straps.



BASS-GUITAR STRAP LEATHER

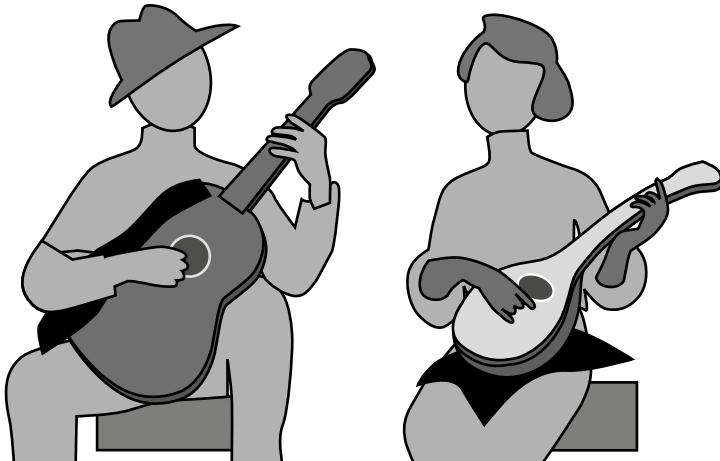
| | | |
|--------|---------------------------|--------|
| A.1310 | Exclusive Buffalo Leather | Black |
| A.1311 | Waxy Suede Leather | Nature |
| A.1312 | Waxy Suede Leather | Brown |
| A.1313 | Waxy Suede Leather | Black |

ACCESSORIES

OPTIMA PICKER'S CLOTH

Made in Germany

Protects the instrument from play-related wear and prevents it from slipping. Suitable for all instruments (for example guitar, mandolin, mandola, etc.). The soft foam is approx. 40x40cm and available in black. Made in Germany.



PICKER'S CLOTH

A.1520

ACCESSORIES



TERMS & CONDITIONS

1) Scope of Application

- 1.1) These General Terms and Conditions of the company Optima Musiksaiten GmbH (hereinafter referred to as „Seller“) shall apply to all contracts concluded between a consumer or a trader (hereinafter referred to as „Client“) and the Seller relating to all goods and/or services presented in the Seller’s online shop. The inclusion of the Client’s own conditions is herewith objected to, unless other terms have been stipulated.
- 1.2) Regarding the purchase of vouchers, these Terms and Conditions shall apply accordingly, unless expressly agreed otherwise.
- 1.3) For contracts regarding the delivery of vouchers, these Terms and Conditions shall apply accordingly, unless expressly agreed otherwise.
- 1.4) A consumer pursuant to these Terms and Conditions is any natural person concluding a legal transaction for a purpose attributed neither to a mainly commercial nor a self-employed occupational activity. A trader pursuant to these Terms and Conditions is any natural or legal person or partnership with legal capacity acting in the performance of a commercial or self-employed occupational activity when concluding a legal transaction.
- 1.5) Digital content in the sense of these General Terms and Conditions are all data not on a tangible medium which are produced in digital form and are supplied by the Seller by granting certain usage rights precisely defined in these General Terms and Conditions.

2) Conclusion of the Contract

- 2.1) The product descriptions in the Seller’s online shop do not constitute binding offers on the part of the Seller, but merely serve the purpose of submitting a binding offer by the Client.
- 2.2) The Client may submit the offer via the online order form integrated into the Seller’s online shop. In doing so, after having placed the selected goods and/or services in the virtual basket and passed through the ordering process, and by clicking the button finalizing the order process, the Client submits a legally binding offer of contract with regard to the goods and/or services contained in the shopping cart. The Client may also submit his offer to the Seller by telephone, fax, e-mail, postal service or per online contact form.
- 2.3) The Seller may accept the Client’s offer within five days,
 - by transferring a written order confirmation or an order confirmation in written form (fax or e-mail); insofar receipt of order confirmation by the Client is decisive, or
 - by delivering ordered goods to the Client; insofar receipt of goods by the customer is decisive, or
 - by requesting the Client to pay after he placed his order.
- 2.4) Provided that several of the aforementioned alternatives apply, the contract shall be concluded at the time when one of the aforementioned alternatives firstly occurs. Should the Seller not accept the Client’s offer within the aforementioned period of time, this shall be deemed as rejecting the offer with the effect that the Client is no longer bound by his statement of intent.
- 2.5) If the Client chooses „PayPal Express“ when placing his order, payment processing is handled by the payment service provider PayPal (Europe) S.a.r.l. et Cie, S.C.A., 22-24 Boulevard Royal, L-2449 Luxembourg (hereinafter referred to as “PayPal”). The PayPal terms of use shall apply which can be viewed at: https://www.paypal.com/ie/webapps/mpp/ua/servicesdescription-full?locale.x=en_IE. In case the Client has no PayPal account, the conditions for payments without PayPal account will apply which can be viewed at: https://www.paypal.com/ie/webapps/mpp/ua/legalhub-full?locale.x=en_US. If the Client chooses “PayPal Express” as payment method, he initiates also a payment order to PayPal by clicking the button finalizing the order process. In this case, the Seller declares his acceptance of the Client’s offer already

at the time when the Client initiates the payment transaction by clicking the button finalizing the ordering process.

- 2.6) If the Client chooses the payment method “Amazon Payments”, payments are processed by the payment service provider Amazon Payments Europe s.c.a., 5 Rue Plaetis, L-2338 Luxemburg (hereinafter referred to as „Amazon“). If the Client chooses “Amazon Payments” as payment method during the online ordering process, he, at the same time, makes a payment order to Amazon when initiating the payment transaction by clicking the button finalizing the ordering process. In this case, the Seller declares his acceptance of the Client’s offer already at the time, when the Client initiates the payment transaction by clicking the button finalizing the ordering process.
 - 2.7) In case of an order via the Seller’s online order form, the text of the contract will be stored by the Seller and will be sent to the Client in writing including these Terms and Conditions (for example via e-mail, fax or letter) after the Client has submitted his order. In addition, the text of the contract will be stored on the Seller’s website and can be found by the Client via the password-protected customer account by entering the respective login information, provided that the Client has created a customer account in the Seller’s online shop prior to submitting his order.
 - 2.8) Prior to submitting a binding order via the Seller’s online order form, the Client may recognize input errors by reading attentively the information displayed on the screen. The enlargement function of the browser to enlarge the display on the screen may be an effective method for better recognizing input errors. The Client can correct all the data entered via the usual keyboard and mouse function during the electronic ordering process, until he clicks the button finalizing the ordering process.
 - 2.9) The German language is exclusively available for the conclusion of the contract.
- ## 3) Right to Cancel
- 3.1) Consumers are entitled to the right to cancel.
 - 3.2) Detailed informations about the right to cancel are provided in the Seller’s instruction on cancellation.
 - 3.3) The right to cancel does not apply to consumers, who are no nationals of a member state of the European Union at the time of concluding the contract und whose exclusive domicile and delivery address were located outside of the European Union at the time of concluding the contract.
- ## 4) Prices and Payment Conditions
- 4.1) Unless otherwise stated in the Seller’s product description, prices indicated are total prices including the statutory sales tax. Delivery costs, where appropriate, will be indicated separately in the respective product description
 - 4.2) Payment can be made using one of the methods mentioned in the Seller’s online shop.
 - 4.3) In case of delivery to countries outside the European Union, additional costs may incur in individual cases for which the Seller is not responsible and which have to be borne by the Client. This includes for example transfer fees charged by banking institutes (transfer charges, exchange fees) or import duties or taxes (customs). Such costs regarding money transfer may also incur, if delivery is not made in a country outside the European Union and the Client carries out the payment from a country outside the European Union.
 - 4.4) If prepayment by bank transfer has been agreed upon, payment is due immediately after conclusion of the contract, unless the parties have arranged a later maturity date
 - 4.5) If the payment method “purchase on account” is selected, the purchase price is due after the goods have been delivered and invoiced. In this case, the purchase price is to be paid within 14 (fourteen) days from receipt of the invoice without deduction, unless otherwise agreed. The Seller reserves the right to offer the payment method “purchase on account” only up to a certain order volume, and he may refuse this payment method if the specified order volume is exceeded.

TERMS & CONDITIONS

In this case, the Seller will inform the Client in his payment information displayed in the online shop of a corresponding payment restriction. The Seller also reserves the right to carry out a creditworthiness check when the payment method "purchase on account" is selected, and he may reject this payment method in the event of a negative creditworthiness check.

- 4.6) If the SEPA direct debit payment method is selected, the invoice amount is due for payment after a SEPA direct debit mandate has been issued, but not before the deadline for pre-notification has expired. The direct debit will be collected when the ordered goods leave the Seller's warehouse, but not before the deadline for pre-notification has expired. Pre-notification means any communication (e. g. invoice, policy, contract) of the Seller to the Client which announces a debit by means of SEPA direct debit. If the direct debit is not honored due to insufficient account coverage or due to the indication of an incorrect bank account, or if the Client objects to the debit, even though he is not entitled to do so, the Client shall bear the fees arising from the reversal of the respective bank, if he is responsible for this. The Seller reserves the right to carry out a creditworthiness check when the payment method SEPA direct debit is selected and may reject this payment method in the event of a negative creditworthiness check.
 - 4.7) When payments are made using a payment method offered by PayPal, handling of payments takes place via the payment service provider PayPal ((Europe) S.a. r.l. et Cie, S.C.A., 22-249 Boulevard Royal, L-2449 Luxembourg (hereinafter called "PayPal") subject to the PayPal terms of use which can be viewed at: <https://www.paypal.com/de/webapps/mpp/ua/useragreement-full>. In case the client has no PayPal account, the conditions applicable for payments without PayPal account will be effective. They can be viewed at: <https://www.paypal.com/de/webapps/mpp/ua/privacywax-full>
 - 4.8) If the payment method „immediate bank transfer“ is selected, payment processing is carried out via the payment service provider SOFORT GmbH, Theresienhöhe 12,80339 Munich (hereinafter referred to as „IMMEDIATE“). In order to be able to pay the invoice amount via "immediate bank transfer," the Client must have an online banking account with the PIN/TAN method that is activated for participation in "immediate bank transfer," he must have the appropriate credentials during the payment process, and he must confirm the payment instruction to IMMEDIATE . The payment transaction will be executed immediately afterwards and the Client's bank account debited accordingly. Further information on the payment method "immediate bank transfer" can be called up by the Client on the Internet at <https://www.sofort.com/ger-DE/kaeufersu/so-funktioniert-sofort-ueberweisung/>.
- 5) Shipment and Delivery Conditions**
- 5.1) Goods are generally delivered on dispatch route and to the delivery address indicated by the Client, unless agreed otherwise. During the processing of the transaction, the delivery address indicated in the Seller's order processing is decisive. However, in case the Client selects the payment method PayPal, the delivery address deposited with PayPal at the date of payment shall be decisive.
 - 5.2) Should the assigned transport company return the goods to the Seller, because delivery to the Client was not possible, the Client bears the costs for the unsuccessful dispatch. This shall not apply, if the Client exercises his right to cancel effectively, if the delivery cannot be made due to circumstances beyond the Client's control or if he has been temporarily impeded to receive the offered service, unless the Seller has notified the Client about the service for a reasonable time in advance.
 - 5.3) Should the Client collect the goods himself, the Seller informs the Client by e-mail that the goods are available for collection. After receiving the e-mail, the Client may collect the goods in consultation with the Seller at the Seller's place of business. In this case shipment costs will not be charged.

6) Reservation of Proprietary Rights

- 6.1) If the Seller provides advance deliveries, he retains title of ownership to the delivered goods, until the purchase price owed has been paid in full.

7) Warranty

- 7.1) Should the object of purchase be deficient, statutory provisions shall apply.
- 7.2) Deviating hereof, for consumers the limitation period regarding warranty claims for used goods shall be one year from delivery of goods to the Client. The shortening of the limitation period does not apply,
 - for a product, which was not used, in accordance with its usual application, for building construction and which was the cause of the building's defectiveness,
 - for damages arising out of injuries to life, body or health, which result from intentional or negligent violation of the Seller's duties or the intentional or negligent violation of duties by the legal representative or the vicarious agent of the user,
 - for other damages resulting from intentional or grossly negligent violation of the Seller's duties or the intentional or grossly negligent violation of duties by the legal representative or the vicarious agent of the user,
- 7.3) if the Seller has fraudulently concealed the defect.
- 7.4) The Client is asked to notify any obvious transport damages to the forwarding agent and to inform the Seller accordingly. Should the Client fail to comply therewith, this shall not affect his statutory or contractual claims for defects.

8) Applicable Law

- 8.1) The law of the Federal Republic of Germany shall apply to all legal relationships between the parties under exclusion of the laws governing the international purchase of movable goods. For consumers, this choice of law only applies to the extent that the granted protection is not withdrawn by mandatory provisions of the law of the country, in which the consumer has his habitual residence.
- 8.2) Furthermore, this choice of law regarding the right to cancel does not apply to consumers, who are not nationals of a member state of the European Union at the time of concluding the contract and whose exclusive domicile and delivery address is located outside of the European Union at the time of concluding the contract.

9) Place of Jurisdiction

- 9.1) If the Client is a businessman, a legal entity of public law or a separate estate under public law with its seat in the territory of the Federal Republic of Germany, the Seller's place of business shall be the sole place of jurisdiction for all legal disputes arising from this contract.. If the Client is domiciled outside the territory of the Federal Republic of Germany, the Seller's place of business shall be the sole place of jurisdiction for all legal disputes arising from this contract provided that the contract or claims from the contract can be assigned to the Client's professional or commercial activities. In any event however, regarding the aforementioned cases the Seller is entitled to call the court responsible for the seat of the Client.

10) Alternative dispute resolution

- 10.1) The EU Commission provides on its website the following link to the ODR platform: <https://ec.europa.eu/consumers/odr>.
- 10.2) This platform shall be a point of entry for out-of-court resolutions of disputes arising from online sales and service contracts concluded between consumers and traders.
- 10.3) The Seller is neither obliged nor prepared to attend a dispute settlement procedure before an alternative dispute resolution entity.

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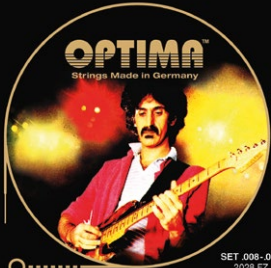
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