



Feature  
Comparison  
Guide

**Violin • Viola • Cello • Omni Bass • Upright Bass • Bass Guitar**



## Shared Features

- Adjustable height bridge
- Patented Self-Clamping Tuning System
- Polar™ Pickup System
- Maple Neck/Body/Reference Bout/Bridge
- Custom Shoulder Rest
- Ebony Fingerboard/Chin Rest
- Scale Length: 330 MM (13")
- Length: 540 MM (21.25"); Width: 110 MM (4 5/16"); Thickness: 65 MM (2 9/16")
- Compatible with any solid and stranded core violin strings, D'Addario™ NS Electric violin strings are standard. High stretch synthetic core strings not recommended.
- Custom hardshell case standard with bow holder, handle, strap and accessory compartment
- Optional NS accessories include: Violin Bow, Balanced Shoulder Rest, Adjustable Chin Rest, Violin Caddy, Flight Case

## Series-Specific Features

|                    | <b>CR</b>   | <b>NXTa</b>   | <b>WAV</b>   |
|--------------------|---|---|--|
| <b>Electronics</b> | 9-Volt Active, EMG™ onboard preamp  | Battery-Free Dual Mode Active/Passive   | Passive, high impedance output   |
| <b>Controls</b>    | Rotary for Volume, Treble EQ, Bass EQ; 3-way toggle switch for Polar Pickup System and Electronics        | Rotary for Volume, Tone (Treble roll off); Push Pull for Active/Passive Mode; 2-way toggle switch for Polar Pickup System | Rotary for Volume, Tone (Treble roll off)  |
| <b>Weight</b>      | 720g  | 610g  | 695g   |
| <b>Finish</b>      | Flame maple, traditional Amber finish. Also available: Quilted Maple, Poplar Burl, Zebrawood, Slate Gray. | Solid, straight grain maple, with maple face (Satin Black model) or flame maple face (Sunburst model) on body             | Flame Maple face with transparent high gloss lacquer, stain undercoating. Amberburst, Transparent Red, Transparent Black |
| <b>Other</b>       | 1/8" headphone jack for silent practice and self-monitoring   | Includes NXTa AC charger  |  |
| <b>Options</b>     | Fretted or fretless; 4 and 5 String (low C)   | Fretted or fretless; 4 and 5 String (low C)   | 4 and 5 string (Low C)   |
| <b>Origin</b>      | Czech Republic  | Czech Republic  | India  |



## Shared Features

- Adjustable height bridge
- Patented Self-Clamping Tuning System
- Polar™ Pickup System
- Maple Neck/Body/Reference Bout/Bridge
- Custom Shoulder Rest
- Ebony Fingerboard/Chin Rest
- Scale Length: 366 mm (14.4"); String spacing: Bridge 18 mm (0.7") Nut 38 mm (1.5")
- Length: 585 mm (23"); Width: 116.8 mm (4.6"); Thickness: 51 mm (2")
- Manufactured in the Czech Republic
- Compatible with any solid and stranded core viola strings, D'Addario™ NS Electric viola strings are standard. High stretch synthetic core strings not recommended.
- Custom hardshell case standard with bow holder, handle, strap and accessory compartment
- Optional NS accessories include: Balanced Shoulder Rest, Adjustable Chin Rest, Violin Caddy, Flight Case

## Series-Specific Features

|                      | CR  | NXTa  |
|----------------------|---|---|
| <b>Electronics</b>   | 9-Volt Active, EMG™ onboard preamp  | Battery-Free Dual Mode Active/Passive   |
| <b>Controls</b>      | Rotary for Volume, Treble EQ, Bass EQ; 3-way toggle switch for Polar Pickup System and Electronics        | Rotary for Volume, Tone (Treble roll off); Push Pull for Active/Passive Mode; 2-way toggle switch for Polar Pickup System |
| <b>Weight</b>        | 775g  | 650g  |
| <b>Finish</b>        | Flame maple, traditional Amber finish. Also available: Quilted Maple, Poplar Burl, Zebrawood, Slate Gray. | Solid, straight grain maple, with maple face (Satin Black model) or flame maple face (Sunburst model) on body             |
| <b>Other</b>         | 1/8" headphone jack for silent practice and self-monitoring   | Includes NXTa AC charger  |
| <b>Model Options</b> | 4 String CGDA   | 4 String CGDA   |

## Shared Features

- Adjustable height bridge
- Polar™ Pickup System
- Maple Neck/Body/Bridge
- Hand-graduated fingerboard; Intonation referenced with cascading dot markers.
- Adjustable truss rod for precise fingerboard relief adjustment.
- Scale Length: 69.5 cm (27.36")
- Length: 94 cm (37"); Width: 14 cm (5.5"); Thickness: 9.5 cm (3.75")
- Padded gig bag standard with bow holder, handle, strap and accessories pouch
- Tool kit, Owners Manual
- Optional NS accessories include: Cello Bow, Cello End Pin Stand, Cello Neck Heel (Thumbstop), Frame Strap System, Boomerang™ Strap System, Flight Case

## Series-Specific Features

|                        | CR  | NXTa   | WAV   |
|------------------------|---|--|---|
| <b>Electronics</b>     | 18-volt active onboard preamp by EMG™   | Battery-Free Dual Mode Active/Passive  | Passive, high impedance output  |
| <b>Controls</b>        | Rotary for Volume, Treble EQ, Bass EQ; 3-way toggle switch for Polar Pickup System and Electronics  | Rotary for Volume, Tone (Treble roll off); Push Pull for Active/Passive Mode; 2-way toggle switch for Polar Pickup System                          | Rotary for Volume, Tone (Treble roll off), 2-way toggle switch for Polar Pickup System  |
| <b>Tuning Machines</b> | Schaller™, 18:1 ratio, heavy-duty, fully encased worm gear tuners; black finish.  | 12:1 ratio, heavy-duty, fully encased worm gear tuners; black finish.  | 12:1 ratio, heavy-duty, fully encased worm gear tuners; black finish.   |
| <b>Fingerboard</b>     | Richlite™   | Richlite™  | Rosewood or Coform™   |
| <b>Weight</b>          | 2.5 kg (5.5 lbs.)   | 1.9 kg (4.2 lbs.)  | 2.1 kg (4.7 lbs.)   |
| <b>Finish</b>          | Flame maple, traditional Amber finish. Also available: Quilted Maple, Poplar Burl, Zebrawood, Slate Gray.   | Solid, straight grain maple, with maple face (Satin Black model) or flame maple face (Sunburst model) on body                                      | Flame Maple face with transparent high gloss lacquer, colored stain undercoating for Amberburst, Transparent Red, Transparent Black |
| <b>Stand</b>           | CR Tripod Stand   | NXT Cello Tripod Stand   | NXT Cello Tripod Stand  |
| <b>Other</b>           | 1/8" headphone jack for silent practice and self-monitoring; Brass escutcheon pin on the rear of the neck serves as a reference point corresponding to the heel of an acoustic cello. | Includes NXTa AC charger. Brass escutcheon pin on the rear of the neck serves as a reference point corresponding to the heel of an acoustic cello. |   |
| <b>Model Options</b>   | Fretless or Fretted. 4 string tuning: CGDA; 5 string tuning: FCGDA; High E tuning also available by request: CGDAE; 6 string tuning: FCGDAE.  | Fretless or Fretted. 4 string tuning: CGDA; 5 string tuning: FCGDA; High E tuning also available by request: CGDAE.                                | 4 string tuning: CGDA; 5 string tuning: FCGDA   |
| <b>Origin</b>          | Czech Republic  | Czech Republic   | India   |

# NS Omni Bass

## Shared Features

- Adjustable height bridge
- Polar™ Pickup System
- Maple Neck/Body/Bridge
- Scale Length: 34" (86.36cm)
- Hand graduated fingerboard, asymmetric relief, TransRadius™ profile, 9.25" radius at the nut, 2" radius at the bridge; cascading dot pattern for position reference
- Adjustable truss rod for precise fingerboard relief adjustment
- Boomerang™ Strap System
- Length: 113 cm (44.5"); Width: 146 cm (5.75"); Thickness: 8 cm (3.2")
- Padded gig bag standard with bow holder, handle, strap and accessories pouch
- Optional NS accessories include: German or French Bass Bow, Bass End Pin Stand, CR Tripod Stand, CR Stand Conversion Kit, NXT Tripod Stand, Bass Neck Heel (Thumbstop), Frame Strap System, Flight Case

## Series-Specific Features

|                        | CR  | NXTa   | WAV  |
|------------------------|---|--|--|
| <b>Electronics</b>     | 18-volt active circuit; Low impedance EMG™ magnetic pickup system, with individually adjustable coils, neodymium magnets and low noise, hum-canceling preamp.                                 | Battery-Free Dual Mode Active/Passive  | Passive, high impedance output   |
| <b>Controls</b>        | Rotary for Volume, Balance pickups, Balance Polar, Treble EQ, Bass EQ; 3-way toggle switch for Polar Pickup System and Electronics  | Rotary for Volume, Tone (Treble roll off); Push Pull for Active/Passive Mode; 2-way toggle switch for Polar Pickup System  | Rotary for Volume, Tone (Treble roll off), 2-way toggle switch for Polar Pickup System   |
| <b>Tuning Machines</b> | Schaller™, 20:1 ratio, heavy-duty, fully encased worm gear tuners; black finish.  | 12:1 ratio, heavy-duty, fully encased worm gear tuners; black finish.  | 12:1 ratio, heavy-duty, fully encased worm gear tuners; black finish.  |
| <b>Fingerboard</b>     | Richlite™   | Richlite™  | Rosewood or Coform™  |
| <b>Finish</b>          | Flame maple, traditional Amber finish. Also available: Quilted Maple, Poplar Burl, Zebrawood, Slate Gray.   | Solid, straight grain maple, with maple face (Satin Black model) or flame maple face (Sunburst model) on body  | Flame Maple face with transparent high gloss lacquer, colored stain undercoating for Amberburst, Transparent Red, Transparent Black. |
| <b>Weight</b>          | 3.23 kg (7.2 lbs.)  | 3.2 kg (7 lbs.)  | 3.23 kg (7.2 lbs.)   |
| <b>Other</b>           |   | Includes NXTa AC charger   |  |
| <b>Model Options</b>   | Fretted or fretless. 4-string EADG; 5-string BEADG or EADGC. Fifths tuning available: CGDA (low to high in 5ths) for 4-string, or CGDAE for 5-string. Left-handed available as Special Order. | 4-string EADG; 5-string BEADG or EADGC. Fifths tuning available: CGDA (low to high in 5ths) for 4-string, or CGDAE for 5-string. Left-handed available as Special Order. | 4-string EADG; 5-string BEADG or EADGC   |
| <b>Origin</b>          | Czech Republic  | Czech Republic   | India  |

# NS Upright Bass

## Shared Features

- Adjustable height bridge
- Polar™ Pickup System
- Maple Neck/Body/Bridge
- Hand graduated fingerboard, asymmetric relief, with cascading dot pattern for position reference.
- Adjustable truss rod for precise fingerboard relief adjustment.
- Scale Length: 106 cm (41.73").
- Length: 132 cm (52"); Width: 15 cm (6"); Thickness: 10 cm (4")
- Compatible with most standard ¾ size upright bass strings.
- Padded gig bag standard with bow holder, handle, strap and accessories pouch

### Optional NS Accessories

German or French Bass Bow, Bass End Pin Stand, CR Stand Conversion Kit (works with CR Tripod Stand), Bass Neck Heel (Thumbstop), Frame Strap System, Boomerang™ Strap System, Flight Case. Instruments with CR stand also accept NXT stand and vice versa.

## Series-Specific Features

Page 1 of 2

|                        | EU   | CRM   | CR   | CRT  | NXTa  | WAV  |
|------------------------|--|---|--|--|---|--|
| <b>Electronics</b>     | 18-volt active circuit by EMG™. Low impedance EMG magnetic pickup system, with individually adjustable coils, neodymium magnets and low noise, hum-canceling preamp. | 18-volt active circuit by EMG™. Low impedance EMG magnetic pickup system with individually adjustable coils, neodymium magnets and low noise, hum-canceling preamp. | 18-volt active circuit by EMG™.                | 18-volt active circuit by EMG™.                | Battery-Free Dual Mode Active / Passive   | Passive, high impedance output   |
| <b>Controls</b>        | Rotary for Volume, Balance pickups, Balance Polar, Treble EQ, Bass EQ  | Rotary for Volume, Balance pickups, Balance Polar, Treble EQ, Bass EQ   | Rotary for Volume, Balance, Treble EQ, Bass EQ | Rotary for Volume, Balance, Treble EQ, Bass EQ | Rotary for Volume, Tone (Treble roll off); Push Pull for Active/Passive Mode; 2-way toggle switch for Polar Pickup System | Rotary for Volume, Tone (Treble roll off), 2-way toggle switch for Polar Pickup System |
| <b>Tuning Machines</b> | Premium grade worm gear tuners; black finish.  | Premium grade worm gear tuners; black finish.   | Premium grade worm gear tuners; black finish.  | Premium grade worm gear tuners; black finish.  | 12:1 ratio, heavy-duty, fully encased worm gear tuners; black finish.   | 12:1 ratio, heavy-duty, fully encased worm gear tuners; black finish.                  |
| <b>Fingerboard</b>     | Richlite™.   | Richlite™   | Richlite™                                      | Richlite™                                      | Richlite™   | Rosewood or Coform™  |
| <b>Weight</b>          | 4 kg (9.5 lbs.)  | 4.8 kg (10.5 lbs.)  | 4.8 kg (10.5 lbs.)                             | 4.8 kg (10.5 lbs.)                             | 4.8 kg (10.5 lbs.)  | 4.1 kg (9 lbs.)  |



# NS Radius Bass Guitar

## Shared Features

- Adjustable string action and intonation
- Maple Neck/Body
- Concave Diradial™ Body Design
- Headless, bolt-on neck with volute thumb reference at the nut.
- Adjustable truss rod for precise fingerboard relief adjustment.
- Patented Self-Clamping Tuning System
- 4 String: Scale Length: 34". Neck Radius: 15"
- 5 String: Scale Length: 35". Neck Radius: 15"
- D'Addario™ EXL 170 Nickel Round Wound Bass Guitar strings are standard. Compatible with any standard single-ball end, full-scale bass guitar strings.
- Padded gig bag standard with handle, backpack straps and gear pouch

## Series-Specific Features

|                      | CR   | NXTa  | WAV  |
|----------------------|--|---|--|
| <b>Electronics</b>   | EMG™/NS Integral system with EMG Radius custom magnetic pickups and NS Polar™ pickup system, 18-volt active onboard preamp   | EMG™/NS Radius custom magnetic pickups, battery-free dual-mode Active/Passive output electronics      | EMG™/NS Integral system with EMG Radius custom magnetic pickup and NS Polar™ pickup system, 9-volt active onboard preamp |
| <b>Controls</b>      | Rotary for volume, active Treble cut/boost, active Bass cut/boost, magnetic/piezo pickup blend, 3-position magnetic pickup selector switch, and 3-position piezo EQ switch | Individual rotary volume control for neck and bridge pickup, master tone control.                     | Rotary Volume, Pickup Balance, Magnetic Tone, Piezo Pickup Tone  |
| <b>Fingerboard</b>   | Ebony  | Richlite™   | Ebony  |
| <b>Weight</b>        | CR4 - 8.4 lbs.; CR5 - 8.6 lbs.   | NXT4a - 7.8 lbs.; NXT5a - 8.6 lbs.  | WAV4 - 8 lbs.; WAV5 - 8.2 lbs.   |
| <b>Finish</b>        | Flame maple with a polymer top coat: Amber Satin, Charcoal Satin, Natural Satin  | Solid, straight grain maple, with maple face (Satin Black model) or flame maple face (Sunburst model) | Solid, straight grain maple: Matte Black, high gloss Metallic Crimson, high gloss Brilliant White                        |
| <b>Other</b>         |  | Includes NXTa AC charger.   |  |
| <b>Model Options</b> | 4-String, 5-String; fretted or fretless  | 4-String, 5-String; fretted or fretless   | 4-String, 5-String; fretted  |
| <b>Origin</b>        | Czech Republic   | Czech Republic  | Indonesia  |