# R14-C, R14-D, HC14-C and HC14-N Compatible Fiber Tips

<table>
<thead>
<tr>
<th>Fiber Tip Type</th>
<th>Product Code</th>
<th>Diameter</th>
<th>Length</th>
<th>Maximum Energy Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cylindrical, sapphire</td>
<td>71766</td>
<td>1.3 mm</td>
<td>8 mm</td>
<td>600 mJ</td>
</tr>
<tr>
<td>Cylindrical, sapphire</td>
<td>72558</td>
<td>1.3 mm</td>
<td>12 mm</td>
<td>600 mJ</td>
</tr>
<tr>
<td>Chiseled, sapphire</td>
<td>72561</td>
<td>1.5 mm to 1.5 x 0.5 mm at distal end</td>
<td>12 mm</td>
<td>200 mJ</td>
</tr>
<tr>
<td>Conical, sapphire</td>
<td>85830</td>
<td>1.3 mm to 0.6 mm at distal end</td>
<td>16 mm</td>
<td>200 mJ</td>
</tr>
</tbody>
</table>

**Cylindrical, sapphire**
- Diameter: 1.3 mm
- Length: 8 mm
- Maximum energy setting: 600 mJ

This type of fiber tip is used for:
- All cavity preparations and caries removal in easily accessed areas such as the mesial part of the tooth as well as soft tissue procedures such as gingivectomy, frenectomy, open curettage and oral surgery.
- Extra durable at high energies.

**Cylindrical, sapphire**
- Diameter: 1.3 mm
- Length: 12 mm
- Maximum energy setting: 600 mJ

This type of fiber tip is used for:
- All cavity preparations, caries removal and soft tissue procedures in deeper or harder-to-reach caries tissue sites.
- Extra durable at high energies.

**Chiseled, sapphire**
- Diameter: 1.5 mm to 1.5 x 0.5 mm at distal end
- Length: 12 mm
- Maximum energy setting: 200 mJ

This type of fiber tip is used for:
- Periodontics – closed curettage, the removal of subgingival concrements and granulation tissue; open flap surgery.
- Removal of infected soft tissue in peri-implantitis
- Hard and soft tissue surgery such as osteotomies, apical root resections, surface remodeling.

**Conical, sapphire**
- Diameter: 1.3 mm to 0.6 mm at distal end
- Length: 16 mm
- Maximum energy setting: 200 mJ

This type of fiber tip is used for:
- All hard tissue procedures where thinner fiber tip is required for deeper and harder-to-reach sites (mesial & distal caries, pulp capping).
- All precise soft tissue surgery.
**PRECISO 300/20: Cylindrical, quartz**  
Product code: 83890

- Diameter: 0.3 mm
- Length: 20 mm
- Maximum energy setting: **Power ≤ 1W, Energy ≤ 60 mJ**

This type of fiber tip is used for:
- Endodontics procedures, smear layer removal, surface decontamination.

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**VARIAN 500/14: Cylindrical, quartz**  
Product code: 84837

- Diameter: 0.5 mm
- Length: 14 mm
- Maximum energy setting: **Power ≤ 2W, Energy ≤ 125 mJ**

This type of fiber tip is used for:
- Perio procedures – closed curettage, the removal of subgingival concrements and granulation tissue, convenient in hard to reach furcation areas.
- Oral surgery such as gingivectomies in very narrow areas, very precise cuts in flap surgery.

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**VARIAN 600/9: Cylindrical, quartz**  
Product code: 84838

- Diameter: 0.6 mm
- Length: 9 mm
- Maximum energy setting: **Power ≤ 2W, Energy ≤ 150 mJ**

This type of fiber tip is used for:
- Perio procedures – closed curettage, the removal of subgingival concrements and granulation tissue, convenient in hard to reach furcation areas.
- Oral surgery such as gingivectomies in very narrow areas, very precise cuts in flap surgery.

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**VARIAN 600/14: Cylindrical, quartz**  
Product code: 84839

- Diameter: 0.6 mm
- Length: 14 mm
- Maximum energy setting: **Power ≤ 2W, Energy ≤ 150 mJ**

This type of fiber tip is used for:
- Perio procedures – closed curettage, the removal of subgingival concrements and granulation tissue, convenient in hard to reach furcation areas.
- Oral surgery such as gingivectomies in very narrow areas, very precise cuts in flap surgery.
### *PIPS® 400/14: Cylindrical, conical (tapered)*

Product code: 85331

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter</td>
<td>0.4 mm</td>
</tr>
<tr>
<td>Length</td>
<td>14 mm</td>
</tr>
<tr>
<td>Maximum energy setting</td>
<td>Power ≤ 1W, Energy ≤ 40 mJ</td>
</tr>
</tbody>
</table>

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**This type of fiber tip is used for:**
- Endodontics procedures, root canal cleaning with laser induced irrigation.

### *PIPS® 600/9: Cylindrical, conical (tapered)*

Product code: 89036

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter</td>
<td>0.6 mm</td>
</tr>
<tr>
<td>Length</td>
<td>9 mm</td>
</tr>
<tr>
<td>Maximum energy setting</td>
<td>Power ≤ 4W, Energy ≤ 220 mJ</td>
</tr>
</tbody>
</table>

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**This type of fiber tip is used for:**
- Endodontics procedures, root canal cleaning with laser induced irrigation, especially for the posterior area.

### Cylindrical, quartz

Product code: 69082

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter</td>
<td>1 mm</td>
</tr>
<tr>
<td>Length</td>
<td>8 mm</td>
</tr>
<tr>
<td>Maximum energy setting</td>
<td>600 mJ</td>
</tr>
</tbody>
</table>

**This type of fiber tip is used for:**
- All cavity preparations, caries removal and soft tissue procedures, especially in areas where shorter fiber tip is required (posterior area)

### Cylindrical, quartz

Product code: 72559

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter</td>
<td>1 mm</td>
</tr>
<tr>
<td>Length</td>
<td>12 mm</td>
</tr>
<tr>
<td>Maximum energy setting</td>
<td>600 mJ</td>
</tr>
</tbody>
</table>

**This type of fiber tip is used for:**
- All cavity preparations, caries removal and soft tissue procedures.
**Conical, sapphire**  
Product code: 72937  

| Diameter: 1.3 mm to 0.6 mm at distal end | Length: 8 mm | Maximum energy setting: 200 mJ |

**This type of fiber tip is used for:**  
- All precise hard and soft tissue procedures in easy accessible but extremely tight and narrow spaces.  
- The energy density at the distal end at the same energy setting is higher, which means that the same results can be achieved at lower energy settings.

**Conical, sapphire**  
Product code: 72560  

| Diameter: 1.3 mm to 0.8 mm at distal end | Length: 8 mm | Maximum energy setting: 350 mJ |

**This type of fiber tip is used for:**  
- All hard tissue procedures where a thinner fiber tip is required to reach the treatment site, for example on the lateral sides of the tooth or to treat sites very close to the gingiva in cases of caries removal.  
- All precise soft tissue surgery, biopsies for example.

**Conical, sapphire**  
Product code: 72857  

| Diameter: 1.3 mm to 0.6 mm at distal end | Length: 12 mm | Maximum energy setting: 200 mJ |

**This type of fiber tip is used for:**  
- All precise hard and soft tissue procedures in tight, narrow and deep spaces, such as incipient caries in deciduous teeth.

**Conical, sapphire**  
Product code: 72856  

| Diameter: 1.3 mm to 0.8 mm at distal end | Length: 12 mm | Maximum energy setting: 350 mJ |

**This type of fiber tip is used for:**  
- All hard tissue procedures where thinner fiber tip is required for deeper and harder-to-reach sites (mesial & distal caries, pulp capping).  
- All precise soft tissue surgery.
**PRECISO 300/14: Cylindrical, quartz**  
Product code: 85330

Diameter: 0.3 mm  
Length: 14 mm  
Maximum energy setting: Power $\leq$ 1W, Energy $\leq$ 60 mJ

This type of fiber tip is used for:  
- Endodontics procedures, smear layer removal, surface decontamination.

**VARIANT 400/9: Cylindrical, quartz**  
Product code: 84826

Diameter: 0.4 mm  
Length: 9 mm  
Maximum energy setting: Power $\leq$ 1.5W, Energy $\leq$ 100 mJ

This type of fiber tip is used for:  
- Perio procedures – closed curettage, the removal of subgingival concrements and granulation tissue, convenient in hard to reach furcation areas.

**VARIANT 400/14: Cylindrical, quartz**  
Product code: 84827

Diameter: 0.4 mm  
Length: 14 mm  
Maximum energy setting: Power $\leq$ 1.5W, Energy $\leq$ 100 mJ

This type of fiber tip is used for:  
- Perio procedures – closed curettage, the removal of subgingival concrements and granulation tissue, convenient in hard to reach furcation areas.

**PIPS® 300/14: Cylindrical, conical (tapered)**  
Product code: 85332

Diameter: 0.3 mm  
Length: 14 mm  
Maximum energy setting: Power $\leq$ 1W, Energy $\leq$ 40 mJ

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This type of fiber tip is used for:  
- Endodontics procedures, laser induced irrigation.
XPULSE 400/14: Cylindrical, conical (tapered)  
Product code: 90333

<table>
<thead>
<tr>
<th>Diameter:</th>
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</tr>
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<tbody>
<tr>
<td>Length:</td>
<td>14 mm</td>
</tr>
<tr>
<td>Maximum energy setting:</td>
<td>Power ≤ 1W, Energy ≤ 40 mJ</td>
</tr>
</tbody>
</table>

This type of fiber tip is used for:
- Endodontics procedures, root canal cleaning with laser induced irrigation

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XPULSE 600/14: Cylindrical, conical (tapered)  
Product code: 90334

<table>
<thead>
<tr>
<th>Diameter:</th>
<th>0.6 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length:</td>
<td>14 mm</td>
</tr>
<tr>
<td>Maximum energy setting:</td>
<td>Power ≤ 4W, Energy ≤ 220 mJ</td>
</tr>
</tbody>
</table>

This type of fiber tip is used for:
- Endodontics procedures, root canal cleaning with laser induced irrigation