EXEL EXTENDER TELESCOPIC SYSTEM™ – GROWS WITH ITS MISSION

In the design of the Extender™ telescope special attention was given to combine ergonomics with technical performance. Two or three part units have up to six metres (19 ft) reach potential.

**Extender composite tubes**

Extender composite tubes are glassfibre or carbon fibre based. The shape of the tubes can be either trioval or round.

**Extender™ Trioval System™**

The Extender™ Trioval System™ is the most versatile telescope system – the customer chooses the tube shapes to fit the application. The Extender™ Trioval System™ prevents rotation of the tubes during operation. Slides easily when lock is in open position. Provides a comfortable, ergonomic trioval handgrip, no separate handgrip is needed.

**Locking system**

Two or three part units are available with a simple, yet efficient, positive clamp lock between each section. Effective stoppers ensure a strong locking force.
**EXEL Extender Series**

The Extender™ telescope varies from two section unit extending to 4100 mm (13.5 ft) through to a three section unit reaching up to 5500 mm (18 ft). The length of the telescope unit depends on the tubes chosen.

**Extender tube options**

- **Material**
  - Glass fibre
  - Carbon fibre

- **Standard tube diameters (OD/ID)**
  - Tri 34/31 or Ø 34/31 mm (1.34/1.22")
  - Tri 28/25.3 or Ø 28/25.3 mm (1.0/0.99")
  - Tri 22/19.3 or Ø 22/19.3 mm (0.87/0.75")
  - Ø 23.5 mm (round tube only) (0.92")

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**Glass extender**

Ideal for work where non-rotation of the tubes is essential

- **Key advantages**
  - Light weight
  - Electrically isolative
  - High chemical resistance

- **Material**
  - Glass composite tubes with clamp locks

- **Standard colours**
  - White RAL 9010
  - Yellow RAL 1018
  - Red RAL 3000
  - Grey RAL 7001
  - Blue RAL 5005
  - Green RAL 6001
  - Black RAL 9011
  - Other RAL colours available on special order

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**Carbon extender**

To meet specific customer demands – eg. long reach applications or the sales advantage of a carbon fibre product (sports equipment)

- **Advantages**
  - Lightweight
  - Strong and stiff

- **Material**
  - Carbon composite tubes with clamp locks

- **Standard colour**
  - Black RAL 9004

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**Glass/aluminium extender**

Where customers have specific demands connecting the telescope to their equipment the top tube can be aluminium

- **LOCKING SYSTEM**
  - Clamp locking
  - Lever with Extender or your corporate logo or blank
  - Lever adjustable and replaceable

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<table>
<thead>
<tr>
<th>Item</th>
<th>No. of sections</th>
<th>Tube diameters (OD mm)</th>
<th>Min. length (closed)</th>
<th>Max. length (extended)</th>
<th>Weight glass</th>
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</thead>
<tbody>
<tr>
<td>EX-2/28.22mm</td>
<td>2</td>
<td>22, 28</td>
<td>1000</td>
<td>3.3</td>
<td>1827</td>
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<td>22, 28</td>
<td>1000</td>
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<td>EX-2/28.tri22mm</td>
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<td>1827</td>
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<td>EX-3/34.22mm</td>
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Some examples of the Extender™ combinations. Complete length and weight tables are available on request. The min. length (closed) between 500 mm (1.6 feet) and 2000 mm (6.6 feet). Tubes are assembled with locking parts and a handgrip 28 mm.

**Applications**

Professional and residential cleaning; mopping, window cleaning, vehicle cleaning, low pressure poles, vacuuming • Maintenance and testing; light bulb changing, grinding, paint rollers, industrial tools, airplane de-icing equipment, smoke detector testing • Sports and leisure; boat hooks, mooring equipment, umbrellas and tent structures, event flag poles, golf equipment • Defence and protection industry; metal and mine detectors, inspection mirrors, emergency lighting poles, railway lighting poles, tripods