



**G. S. I. Inc.**

*Manufacturer & Distributor of Aerospace Lighting*

**Godfrey Systems International, Inc.**

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## EXEL DEFENCE TELESCOPIC SYSTEMS

### Applications:

Composites offer superior solutions for the demanding requirements of the Defence sector. Exel Composites, a leading manufacturer of products based on composite technology, has been working many years with the development of products for military use. Exel Composites Telescopic Systems and Products are the superior alternative based on items constructed of steel, aluminum, or wood.



Fiberglass reinforced composite materials have numerous advantages compared to conventional materials such as metal. These Telescopic Systems are designed for demanding applications, but also have many benefits from the features of the new innovative composite fibre material. With a wide variety of alternatives such as spreader options, rigging, and ground footing, Exel Composites offers a product range to satisfy every defence need.

### Telescopic Net Supporting Structure:

Exel Composites Telescopic Net Support Units are available as 1 to 6 section systems, with different lengths to meet your requirements. The tube diameters used in the support poles are 2.28 in (58 mm), 2.0 in (51 mm), 1.73 in (44 mm), 1.45 (37 mm), 1.18 in (30 mm), and 0.90 in (23 mm). The poles also have a rubber neck which gives the spreader more elasticity when being loaded with the net, thus achieving a higher strength. An 8 Spreader Unit is also available.



**Ground footing options include:**

***Outer Ground Foot***



***Outer Ground Foot With Step-On Spring***



***Internal Ground Foot***



***Internal Ground Foot With Step-On Spring***



***End Cap***



**Camouflage Support Structure:**

Exel Composites Support Structure units are lightweight and their stiffness makes them extremely easy to use. The property of the composite material is suitable for telescopic structures because it does not dent and the spreaders will not damage the net covering or the covered object. They have a rubber neck which gives more elasticity to the spreader while being loaded with the net, thus achieving a higher strength. The Support Structure units are available in 1 to 6 section systems, which are adjustable from 3.93 ft (1.2 m) to over 19.68 ft (6 m). The tube diameters used in the telescopes are 2.28 in (58 mm), 2.0 in (51 mm), 1.73 in (44 mm), 1.45 (37 mm), 1.18 in (30 mm), and 0.90 in (23 mm). Spreaders are also available.



**Telescopic Cable Rod Sets:**

The Telescopic Cable Rod was designed to meet the field necessity for a lightweight, composite telescopic handle with a unique latch hook design specific to cables. The operational length can exceed 19.68 ft (6 m).



The telescopic structure makes handling and adjustments easy for various applications and the electrical insulation makes the rods safe to use.



### **Telescopic Pole System:**



Consisting of light and durable composite tubes, the Telescopic Pole System offers 2, 3, 4, or 5 section series that are joined together by molded reinforced connectors. The joints are glass reinforced polyamide (nylon) and provide a secure lock between each section which allows for easy movement of the telescope sections, rendering the system extremely versatile. Depending on the requirements, it is also possible to start assembling the series with any tube diameter available. Tube diameters are available in 0.90 in (23 mm), 1.18 in (30 mm), 1.45 in (37 mm), 1.73 in (44 mm), and 2.0 in (51 mm) OD.

### **Advantages:**

- Composite materials of polyester and vinyl ester resins are rot and corrosion-free.
- Require no maintenance.
- Anti-Magnetic.
- Electrical and heat insulation.
- They are neutral to environments, as they are dimensionally stable in all weather conditions.

- Their long lasting durability proves long term cost savings.
- Composite properties maximized by the advanced Exel Pull-Winding Process, ensures maximum strength and stiffness while remaining lightweight for use.
- Anti-static property requirements are available on special order.

## *CIVIL Telescopic Systems Are Also Available*



Manufactured by:



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