

# SYSTEM 30 LIGHT WEIGHT STRUCTURES

– for a wide range of applications

System 30 (S30) is a self-assembly system for building frameworks and lightweight structures.

S30 comprises composite tubes with an outside diameter of 30 mm and a wide range of connectors. The versatile S30 provides tools for developing new applications or for updating existing ones at home or commercially. The non-corroding structures can be utilized indoors and outdoors, e.g. for garages and boat covers, supermarket kiosks and promotion stands.

## Composite tubes

S30 tubes are manufactured from glass-reinforced composite material. The excellent characteristics of S30 tube are optimised by applying a non-woven outer layer (called Exelens). This enables the tube to withstand impact, UV-light and abrasion through heavy use. The Exelens surface finish is pleasant to touch and the tube feels warm in all conditions.

## Connectors

The 2 or 3-tube connectors enable you to build a wide variety of structures. The connectors are made of injection-moulded plastic which is free from corrosion. Depending on the connector and the loads it is supposed to carry, the material in the joints is reinforced Polyamide or Polypropylene.



## List of Connectors

ICON	NAME	MATERIAL	CODE
	<b>Pivot "A"</b> Including: Sleeve A, Sheath A/B, M6 Screw and wing nut		40002261
	<b>Sleeve "A"</b> Can be also used as a plate bracket	PP	40003989
	<b>Sheath "A/B"</b>	PP	40003432
	<b>Double pivot "B"</b> Including: 2xSheath A/B, Double sleeve B, 2xM6 Screws, 2xWing nut		40002262
	<b>Sleeve "B"</b> PLEASE NOTE: in this picture there are 2 pcs of this part!	PP	40003990
	<b>Symmetrical 120/90 "C"</b> e.g. roof top	PA66+GF30 Grivory+GF50	40010772 40010755
	<b>Top end 120/90 "D"</b> e.g. roof end	PA66+GF30 Grivory+GF50	40010774 40010756
	<b>Corner 90/90 "E"</b> e.g. corner of a cube	PA66+GF30 Grivory+GF50	40010762 40011119
	<b>Angle 90 "F"</b> any straight angle corner	PA66+GF30 Grivory+GF50	40010773 40010757
	<b>T-Joint 90/90 "G"</b> e.g. T-joint with reinforcement	PA66+GF30 Grivory+GF50	40010771 40010753
	<b>Foot "H"</b> e.g. attachment to even surface or to underlaying framework	PP	40003433
	<b>Rocking Foot "M"</b> e.g. foot for angled attachment to ground (0 to 45 degrees)	PP	40010778
	<b>Foot with spike "H"</b> e.g. attachment to soft soil	PP	40003434
	<b>Straight thru 180/90 "I"</b> e.g. wall support	PA66+GF30 Grivory+GF50	40010763 40011120
	<b>Straight 90 "J"</b> e.g. t-joint for light loads	PA66+GF30 Grivory+GF50	40010761 40011121
	<b>Straight connector "K"</b> e.g. robust continuation; shorter tube lengths possible	PA66+GF30 Grivory+GF50	40010764 40010754
	<b>Horizontal corner "L"</b> e.g. center support for a cube	PA66+GF30 Grivory+GF50	40010765 40011122
	<b>Hoop joint</b> allows arches and domed roof sections with the 6,5*15,9 mm profile	PA66+GF30	40011712
	<b>End plugs: short long</b> support and close the tube end	PP PP	40010743 40010744
	<b>Straight / Angle 45 "N"</b> "T-joint" with 45 degrees angle e.q. roof overlap, lattice mast	PA66+GF30 Grivory+GF50	40010781

## Telescopic solutions for S30

Exel has a range of telescopic poles which can be utilized with the S30.

- Exel XTEL System™
- Exel Universal Telescopic pole™
- Exel Extender™ Trioval

For more information on the telescopic solutions, please feel free to contact us.

## Colours

S30 glass-reinforced tubes (standard size 30/26 mm) are available in:

White

Blue

Green

Yellow

Grey

Red

Black

*Other colours in the RAL colour coding system are available to special order.*

## Applications

Industrial; various applications where corrosion resistance, chemical resistance and electrical insulating properties are utilized • Commercial;

market display stalls, shop display units and decorations, exhibition stands, product display units, barriers

• Household; garages, store rooms, shelving, fencing, boat covers, tents and marquees • Garden; greenhouses, fruit and flower protectors, benches