WALCOOM

PLANT SUPPORTS
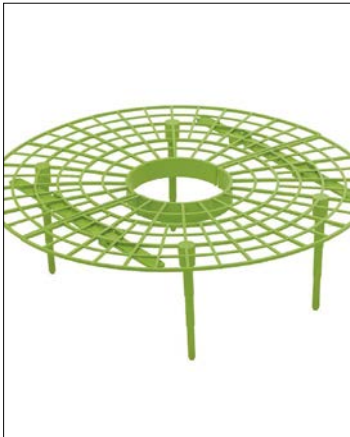
Specification of special plant supports

Plant support stake

- **Material:** steel rod, iron steel, stainless steel, steel tube heavy duty fiberglass.
- **Diameter:** 5-20 mm.
- **Length:** 0.6-3 m.
- **The common sizes (mm):** 5 × 600, 7 × 800, 8 × 900, 9 × 900, 11 × 900, 11 × 1200, 11 × 1500, 16 × 1500, 16 × 1700, 16 × 1800, 16 × 2100, 20 × 2000, 20 × 2300, 20 × 2400, 20 × 3000.

Strawberry support

- **Material:** polypropylene, steel wire.
- **Plastic strawberry supports size**
  - **Diameter:** 29 cm.
  - **Center opening diameter:** 76 cm.
  - **Height:** 9.5 cm.
- **Metal strawberry supports size**
  - **Diameter:** 28 cm.
  - **Height:** 7 cm.

Obelisk plant support

Dimensions (cm)

- 17 × 17 × 80.
- 18 × 18 × 135.
- 20 × 20 × 125.
- 22 × 22 × 150.
- 25 × 25 × 170.
- 27 × 27 × 200.
- 31 × 31 × 200.
- 35 × 35 × 160.
- 42 × 42 × 140.
- 45 × 45 × 200.
- 45 × 45 × 230.

PLANT SUPPORTS

Umbrella plant support

- **Diameter of umbrella frame:** 0.8-1.2 m.
- **Height:** 2-2.5 m.
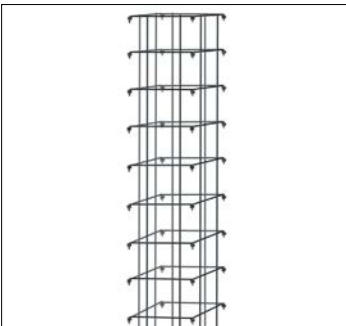- **Color:** green or black.

Mushroom trellis Ⅰ

- **Material:** steel wire.
- **Top diameter:** 65 cm.
- **Base diameter:** 33 cm square.
- **Height:** 2 m.

Mushroom trellis Ⅱ

- **Material:** steel wire.
- **Length:** 35-90 cm.
- **Width:** 35-90 cm.
- **Height:** 1.8 m, 2.4 m.

Plant support tower

- **Material:** steel wire.
- **Vertical wire diameter:** 5 mm.
- **Horizontal wire diameter:** 3.5 mm.
- **Mesh opening:** 12 mm × 20 mm
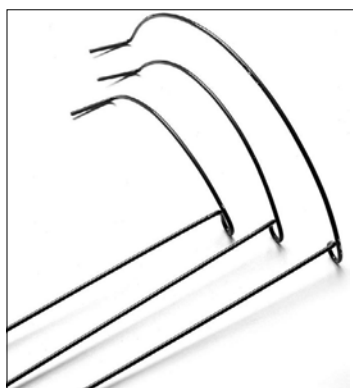- **Shape:** square.

Plant support ring

- **Material:** steel wire.
- **Standard ring size**
  - **Diameter:** 38 cm, 40 cm.
  - **Height:** 60 cm, 90 cm.
- **Link ring size**
  - **Diameter:** 15 cm.
- **Height:** 90 cm.
- **Disassemble ring diameter:** 5 cm, 10 cm, 15 cm, 22 cm, 32 cm, 38 cm.
- **Mounting:** stake in soil.

Link plant support

- **Material:** mild steel rod.
- **Rod diameter:** 6 mm, 8 mm.
- **Height:** 30 mm, 45 mm, 50 mm, 60 mm, 75 mm.
- **Width:** 18 mm, 23 mm, 38 mm, 45 mm.

Squash cradle

- **Material:** polypropylene.
- **Melon cradle diameter:** 127 mm.
- **Melon cradle height:** 120 mm.
- **Melon cradle ground spike height:** 95 mm.
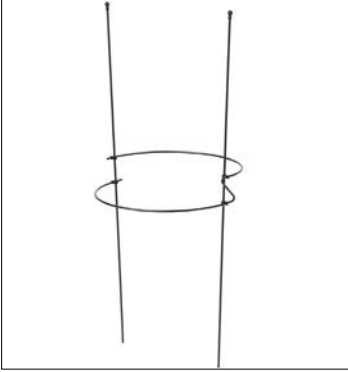- **Pumpkin and watermelon cradle diameter:** 255 mm.

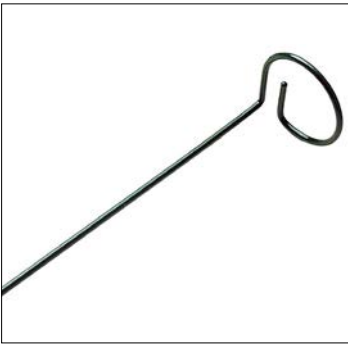## Bow plant support/Border plant support

- **Material:** steel wire.
- **Diameter:** 4 mm, 4.5 mm, 5 mm, 5.5 mm, 6 mm.
- **Height:** 30 cm, 35 cm, 45 cm, 60 cm, 70 cm, 75 cm, 85 cm, 90 cm, 105 cm.
- **Width:** 20 mm, 25 mm, 30 mm, 40 mm, 45 mm.
- **Mounting:** stake in soil.

Adjustable stem plant support

- **Material:** steel wire.
- **Stake diameter:** 6.35 mm.
- **Stake height:** 0.75 m, 1 m.
- **Z-ring length:** 10 cm, 40 cm.
- **Coupling ring diameter:** 60 mm.
- **Finals diameter:** 12 mm.
- **Accessory:** nylon clips, plastic finials.

Single stem plant support

- **Material:** steel wire.
- **Type:** ring or hook shape.
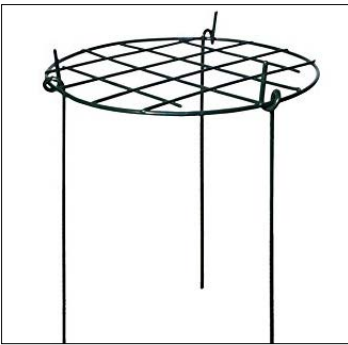
Grow through plant support

- **Material:** steel wire, heavy gauge wire.
- **Diameter:** 3-4.5 mm.

Full round plant support

- **Material:** PVC coated rod, galvanize steel wire**.**

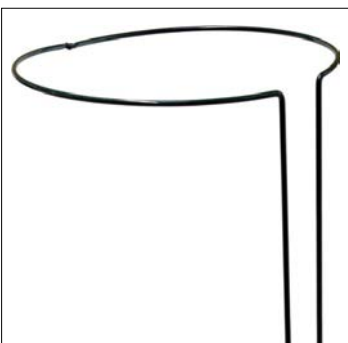| Table 1: The Main Specifications of Single Stem Plant Support			
Steel Diameter (mm)	Loop Diameter (cm)	Height (cm)	Optimum Support Height (cm)
6	5	89	65-75
6	6	112	80-90
6	7.5	68	48
6	7.5	90	70
6	8	75	50
6	8	125	105
6	13	68	48
6	22	75	40
6	25	70	40
6	25	110	80
6	28	90	65
8	16	120	100
8	33	60	40
8	33	89	60
8	40	70	40

Table 2: Grow Through Plant Supports Size			
Type		Diameter (cm)	Height (cm)
Grid grow through supports	round	30, 35, 40, 45, 50, 60	45, 50, 60, 75, 90
	rectangular	40 × 30	50
Ring grow through supports		25, 40, 45	45, 60, 75
Circle grow through supports		25, 30, 40	30, 45, 60

Table 3: The Diameter of Full-Round Plant Support with Two Legs		
Steel Diameter (mm)	Support Diameter (cm)	Height (cm)
5-7	11.5	35
	15.5	45
	20	35
	20	55
	25	40
	25	60
	30	45-100
	35	50
	35	70
	35	100
	40	70-120

Table 4: The Diameter of Full-Round Plant with One Leg		
Steel Diameter (mm)	Ring Diameter (mm)	Height (cm)
6-7	20	50
	30	62
	40	70
	50	76
	60	100
	120	100

In addition to the above common specifications, it also can be customized according to customer requirements.

Some accessories of plant supports

Zip ties can provide extra help for plant supports, but you must make sure that the zip ties are not screwed completely, because it may suffocate the plant. After closing the loop, leaving enough space between the zip ties and plants allows the plant to move in small range at the same time as it grows. Zip ties usually have an attached trellis, it can be stakes, T-posts or frame. Zip ties has a variety of colors, such as black, white, green, blue and yellow, so it's easy to find the colors that suit your plant. The length ranges of zip ties from 6" to 10".

Black nylon zip tie

Black nylon zip tie

When to tie a zip tie

It is not necessary to bind the branches quickly after staking, in this time you can carefully observed the growth of the plant seedlings especially after warming or rainfall. When plant seedlings grow tall or become heavy, they must be tied to stakes or plant support cages.

A hand is fasten the zip tie

A zip tie has been fastened

Steel T-post is an important tool for supporting the mesh, it can be used in the nylon netting and plastic netting. In the ordinary, T-post is often combined with zip tie to install trellis netting.

Specification

- **Material:** carbon steel.
- **Surface treatment:** PVC coated.
- **Length:** 15 cm, 20 cm, 25 cm and 30 cm.
- **Color:** green, red.

Steel U post

Trellis with studded T posts

Trellis clips and trellis hooks

Trellis clip is mainly used for fixing tomato stems, it is made of polypropylene with UV inhibitors. Trellis clips are very necessaries for the professional growers which plant many tomatoes, and using this tool can significantly reduce the time to band the stem.

Specification of trellis clips

- **Material:** polypropylene.
- **Diameter:** 23 mm, 25 mm.
- **Color:** clear, red and green.

Trellis clips

Trellis hook is also made of polypropylene with UV inhibitors, but it is designed to hang trellis netting or to support fruit-laden.

Specification of trellis clips

- **Material:** polypropylene.
- **Size:** 10 cm, 15 cm or as required.
- **Color:** clear, green and red.

Trellis clip is being used

Trellis hooks are being used