

All Cross-guard by Newton security caging requires a framework. The frame adds strength and provides a structure for fastening the panels and doors.

Typically vertical posts are secured to the floor at nominal 8' intervals (for an 8' x 8' x 8' cage) using a bracket and screw combination.

Horizontal posts are attached around the top of the verticals forming a square.

All posts are 2" x 2", 16 gauge tubular steel in accordance with **ASTM A513** ** and painted with a powder coat, polyester paint.

Options for sizes can be seen in the attached tables.

****Note: ASTM A 513** specifies a straightness of 1/16" per 36" length. Additional handling and painting can add to this. To avoid serious bowing, it is recommended to keep posts to less than 96" if possible, especially when used in a vertical application.



Horizontal posts have two holes to attach to the vertical post via universal fixing bracket.



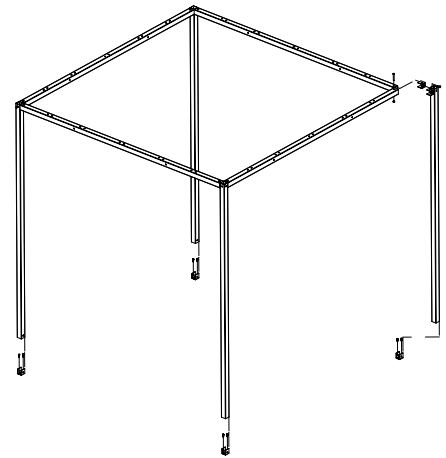
Vertical posts have four holes at the top. Posts attach to the floor with foot fixing brackets.

Posts

14

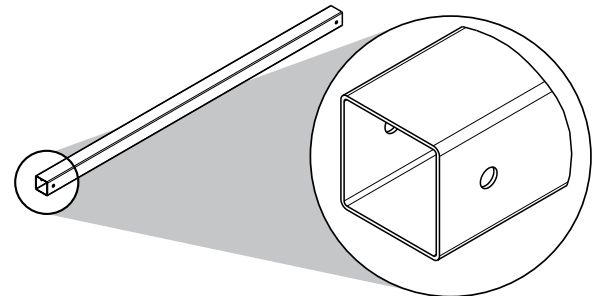
Horizontal & Vertical Posts

The frame adds strength and provides a solid connection to which panels and doors may be fastened.



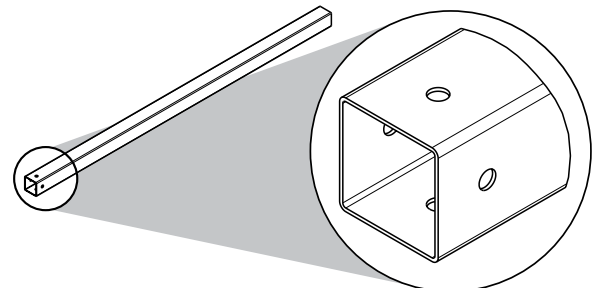
Horizontal Posts

Newton P/N	Size	Length (Nominal)
2227560148	2" x 2" square	46.00"
2227560648	2" x 2" square	82.00"
2227560748	2" x 2" square	94.00"
2227560548	2" x 2" square	166.00"
2227560248	2" x 2" square	192.00"



Vertical Posts

Newton P/N	Size	Length (Nominal)
2227560348	2" x 2" square	94.5"
2227560848	2" x 2" square	90.0"



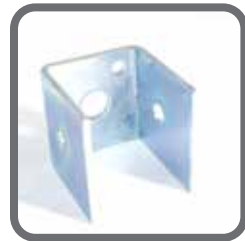


Vertical Post Splice



Vertical Post Splice

Used to attach an extension post to an existing vertical.



Floor Fixing Bracket

Used to attach the Vertical Post to the floor.



Universal Fixing Bracket

Used to attach the Horizontal Post to the top of the Vertical Post.

Newton P/N	Description
2229800048	Vertical Post Splice

The Vertical Post Splice is a connecting support between vertical posts. The slots located on the bottom section of the splice make construction easier by allowing the vertical post splice to rest on the existing lower post's assembly bolts while attaching the upper vertical post.

Brackets

Newton P/N	Description
2229070011	Fixing Bracket
2229100011	Universal Fixing Bracket

The Universal Fixing Bracket (UFB) connects horizontal posts to vertical posts in a 90° angle or in a straight connection along an elongated wall.

The Foot Fixing Bracket (FFB) is used to attach a vertical post to the floor.

The UFB and FFB can be used together to join one post to another vertically, if the cage height is higher than the standard 8' with additional hardware.



Joint Stabilizer adds additional strength to junctions.



Corner Stabilizer adds additional strength to corner sections.



Tee Junction Kit adds additional strength to junctions.



Cross Junction Kit adds additional strength to junctions.



Flat Cross Junction Kit adds additional strength to junctions.

Joint Stabilizer

Newton P/N	Description
2229460148	Joint Stabilizer

The Joint Stabilizer can be deployed over horizontal to horizontal post junctions to give covered joints additional strength.

Corner Stabilizer

Newton P/N	Description
2230240048	Corner Joint Stabilizer

The Corner Stabilizer can be deployed over corner junctions to give the joints additional strength.

Tee Junction Kit

Newton P/N	Description
2230140048	Cage "Tee" Junction Kit

The Tee Junction Kit can be deployed over horizontal to horizontal post junctions to give the joints additional strength.

Cross Junction Kit

Newton P/N	Description
2230100048	Cross Junction Kit

The Cross Junction Kit can be deployed over horizontal to horizontal post junctions to give the joints additional strength.

Flat Cross Junction Kit

Newton P/N	Description
2244110048	Flat Cross Junction Kit

The Cross Junction Kit can be deployed over horizontal to horizontal post junctions to give the joints additional strength.