

**B** BETA FENCE



# Sentinel<sup>®</sup> Railing Systems

# Versatile railing systems for many applications



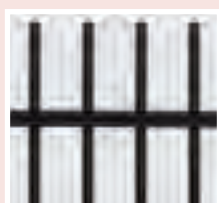
## Sentinel® Convex Play

**Convex Play is a CHILD SAFE Bowtop railing system**, specifically designed to meet the safety standards demanded for schools, play and residential areas. The projection of the bow top from the horizontal rail and spacing of the vertical tubes are specifically positioned to avoid the trapping of young children. Panels have a unique custom rolled 'C' section horizontal rail and posts are supplied with a tamper proof aluminium cap. Standard range of heights are available from 1m to 1.5m high.



## Sentinel® Convex Bow Top

**Sentinel Convex Bow Top is a round tube bow top railing system.** Vertical tubes are 25.4mm diameter. Panels have a unique custom rolled 'C' section horizontal rail and a standard range of heights are available from 1.5m to 2.4m high.



## Sentinel® Convex

**Sentinel Convex is a round vertical tube railing system.** Vertical tubes are 25.4mm diameter. The tops of the vertical tubes are supplied with optional flat cut or angle cut profile. Panels have a unique custom rolled 'C' section horizontal rail and a standard range of heights are available from 1.5m to 2.4m high.



## Sentinel® Matrix

**Sentinel Matrix is a square vertical tube railing system.** Verticals are 25.4 x 25.4mm square tubes and are positioned diamond to view to give maximum strength and aesthetic appearance. The tops of the vertical tubes are supplied with optional flat cut or angle cut profile. Panels have a unique custom rolled 'C' section horizontal rail and a standard range of heights are available from 1.5m to 2.4m high.



## Sentinel® Gates for Railings

**A standard range available in single or double leaf configuration complete with infill tubes to match the spacing and topping of the railing panels.** Gates have horizontal top and bottom rails that are located at the same height as railing panels and rails and infill tubes are positioned to match the adjoining system.

Gate posts have inserts inline to accept adjoining panels and are multi drilled to provide the same provision to step as the fence posts. Gates are fitted as standard with lockable ground bolts.

All gates have fully adjustable rear-hung hinges which allow each leaf to swing through 180°. Locking is by means of a mortice lock or slip latch holed for padlocking.

**Complete technical advisory service available upon request.**

# Standard features

## Sentinel® Panels



All panels widths - **2762mm**



The cross rails are a **unique custom rolled 'C'** 60 x 40 x 3mm section.



**Panel supports** - 2 supports are supplied as standard per bay.

## Sentinel® Posts

### Post Sections

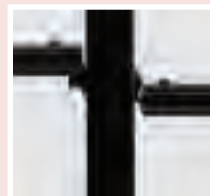


- 1m - 1.2m high 60x60x2.0mm
- 1.5m - 2.0m high 60x60x2.5mm
- 2.4m high 80x80x2.5mm
- Intermediate posts are bolt through.
- Corner posts are inserted and can be used for internal or external corners.

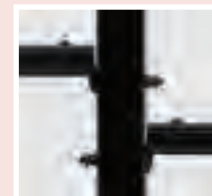
### Posts are multi drilled as standard for stepping to achieve the following:



**Zero**



**50mm**



**100mm**



**150mm**

### Post toppings



Tamper proof aluminum cap



Black plastic flat cap



Black plastic pyramid cap



Decorative 'ball top' aluminum cap

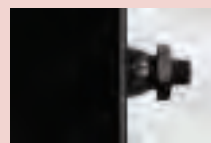
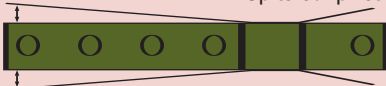
## Sentinel® Fixings



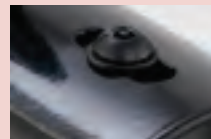
### Unique plastic insert

- profiled to match the 'C' section cross rail.
- designed to reduce 'rattle' and vibration
- allows panels 5° of pivot (*approx 250mm across a standard width bay*)

Up to 5° pivot either side.



Angle cleats are secured to posts using bolts and **shear nuts**.



**Trilobe Pilot bolt** secures cross rail and profiled insert to angle cleat.

- Pilot bolts are designed to eliminate 'cross threading'

## Sentinel® Finish

### Two finishes are available

- Hot dipped galvanised BS EN ISO1461
- Hot dipped galvanised BS EN ISO1461 and **Polyester powder coated**

### Wide range of standard colours available

Green RAL6005	Black RAL9005	Red RAL3020	Yellow RAL1006	Blue RAL5010	Grey RAL7037	White RAL9010
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other colours are available on request.

# Sentinel® Convex Play

Convex Play is a CHILD SAFE Bow Top railing system

Applications: Schools, Playgrounds, Parks and Residential



## Specifications (mm)

Fence Height	Panel Height	Panel Width	Overall Post Length	Tube Diameter	Distance Between Verticals	Projection from Top Rail
A	B	C	D	E	F	G
1000	950	2762	1600	19	85	85
1200	1150	2762	1800	19	85	85
1500	1450	2762	2100	19	85	85



## Sentinel® Finish

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- Hot dipped galvanised BS EN ISO1461
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Wide range of standard colours available

Green RAL6005    Black RAL9005    Red RAL3020    Yellow RAL1006    Blue RAL5010    Grey RAL7037    White RAL9010



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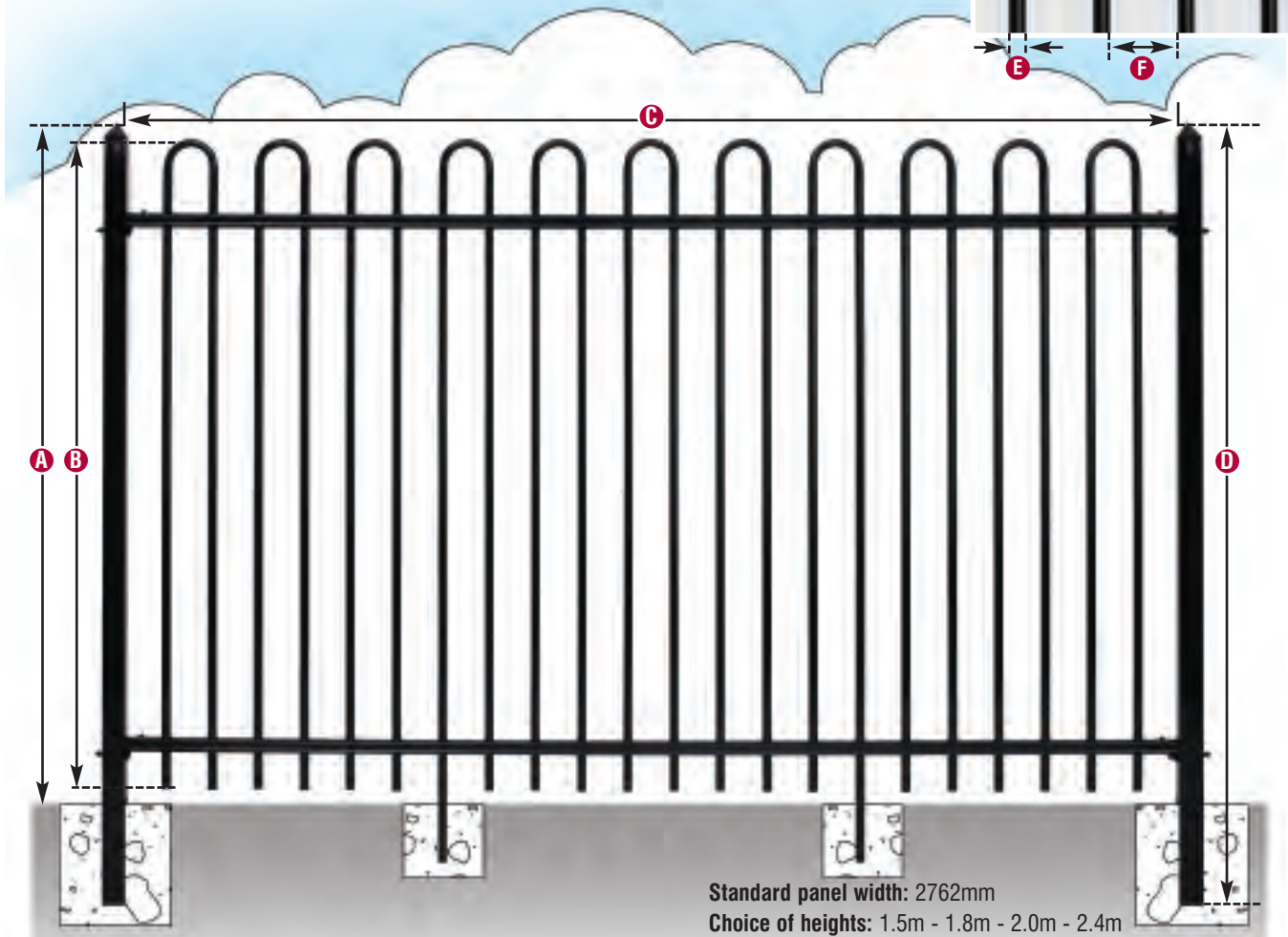


# Sentinel® Convex Bow Top

Sentinal Convex Bow Top is a round tube bow top railing system

Applications: Schools, Playgrounds, Parks, Residential and Commercial

Bow Top options are ideal for applications where safety is of importance



## Specifications (mm)

Fence Height	Panel Height	Panel Width	Overall Post Length	Tube Diameter	Distance Between Verticals	Projection from Top Rail
A	B	C	D	E	F	G
1500	1450	2762	2100	25.4	96	150
1800	1750	2762	2500	25.4	96	200
2000	1950	2762	2700	25.4	96	200
2400	2350	2762	3100	25.4	96	200



## Sentinel® Finish

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Wide range of standard colours available

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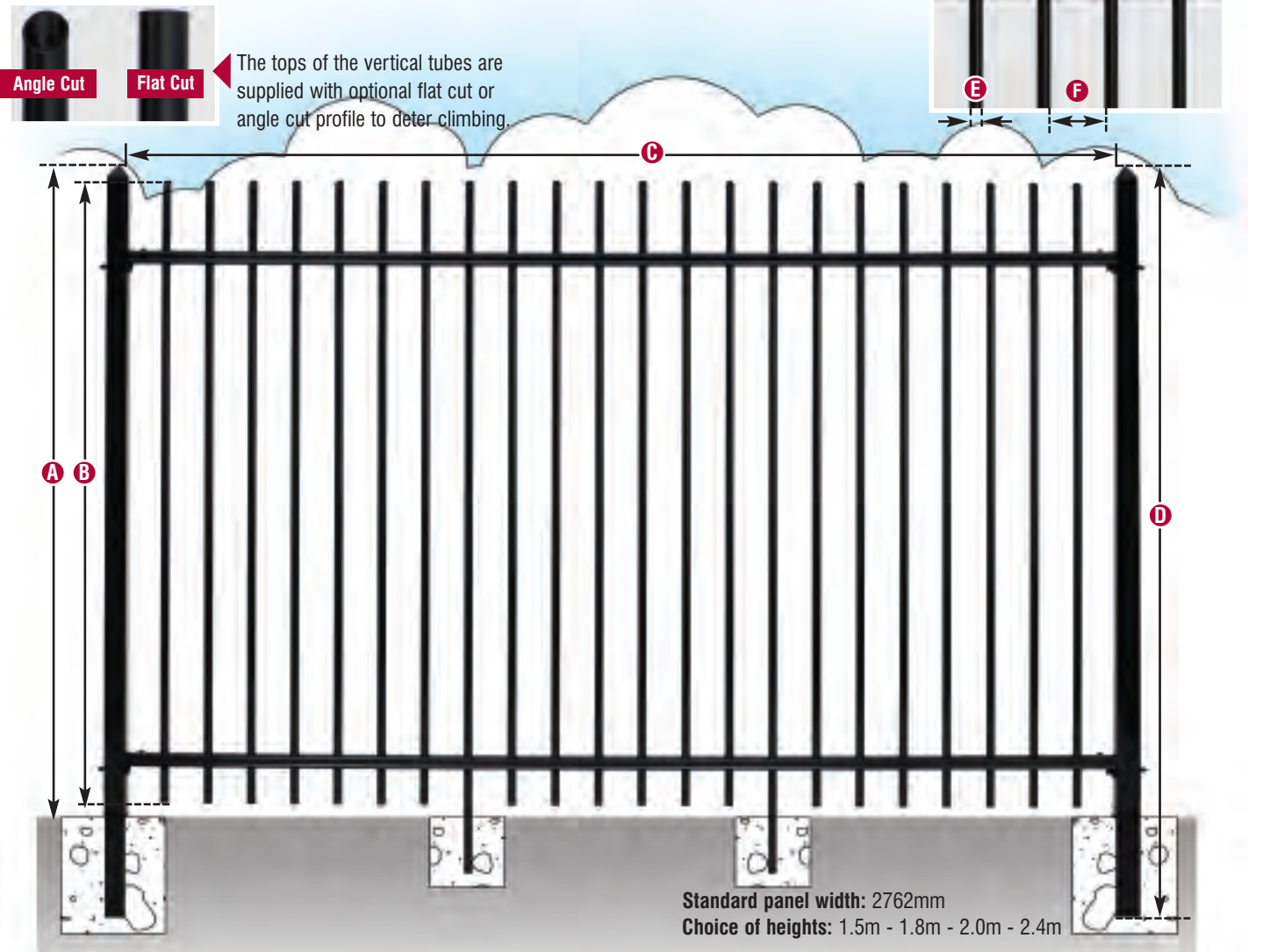


other colours are available on request.

# Sentinel<sup>®</sup> Convex

Sentinel Convex is a round vertical tube railing system

Applications: Schools, Residential, Commercial, Industrial and Highways



## Specifications (mm) - Flat and Angle Cut

Fence Height	Panel Height	Panel Width	Overall Post Length	Tube Diameter	Distance Between Verticals	Projection from Top Rail
A	B	C	D	E	F	G
1500	1450	2762	2100	25.4	96	150
1800	1750	2762	2500	25.4	96	200
2000	1950	2762	2700	25.4	96	200
2400	2350	2762	3100	25.4	96	200



## Sentinel<sup>®</sup> Finish

Two finishes are available

- Hot dipped galvanised BS EN ISO1461
- Hot dipped galvanised BS EN ISO1461 and Polyester powder coated

Wide range of standard colours available

Green RAL6005    Black RAL9005    Red RAL3020    Yellow RAL1006    Blue RAL5010    Grey RAL7037    White RAL9010

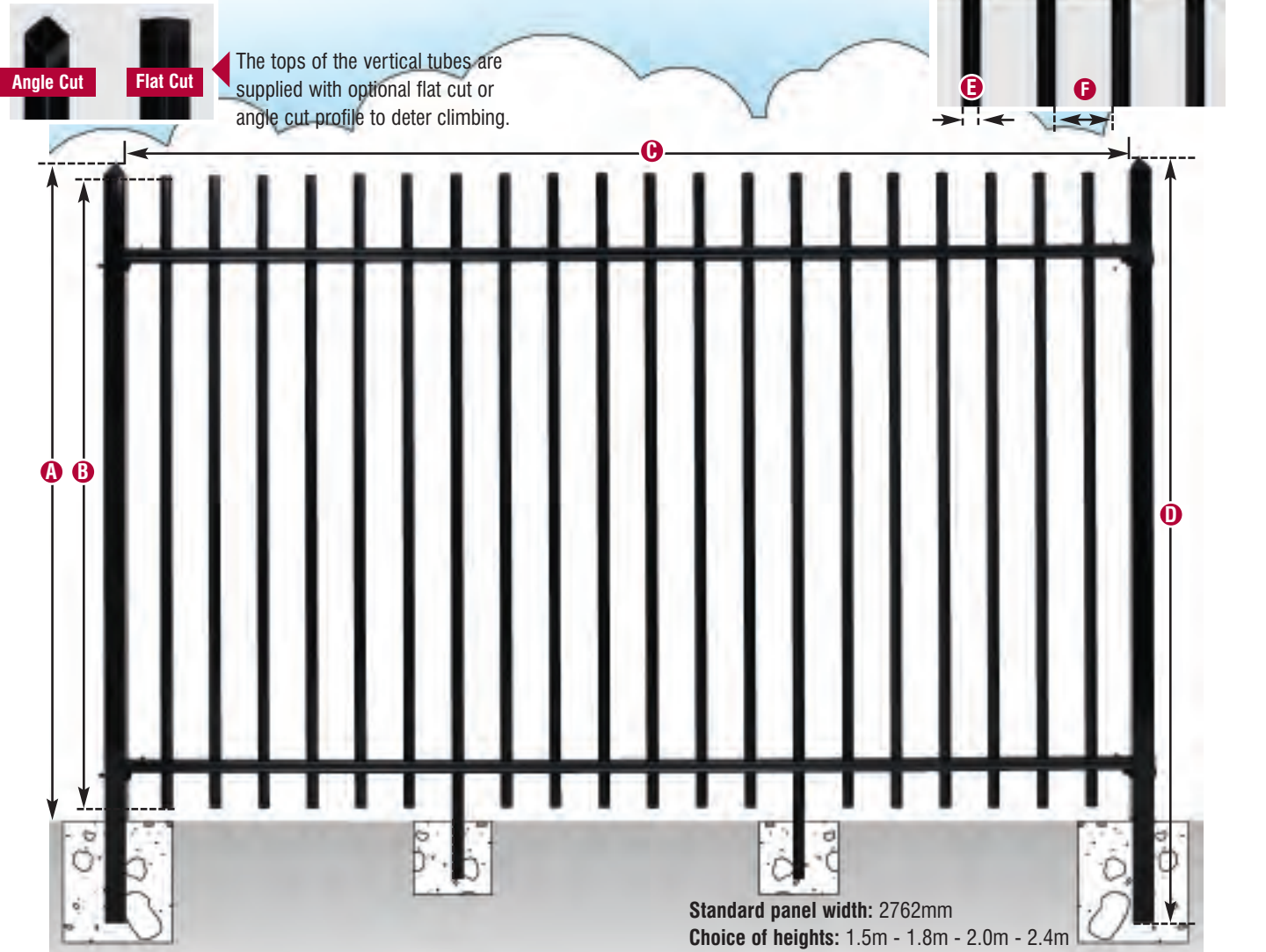


other colours are available on request.

# Sentinel<sup>®</sup> Matrix

Sentinel Matrix is a square vertical tube railing system

Applications: Schools, Residential, Commercial, Industrial and Highways



## Specifications (mm) - Flat and Angle Cut

Fence Height	Panel Height	Panel Width	Overall Post Length	Square Tube	Distance Between Verticals	Projection from Top Rail
A	B	C	D	E	F	G
1500	1450	2762	2100	25.4 x 25.4	98	150
1800	1750	2762	2500	25.4 x 25.4	98	200
2000	1950	2762	2700	25.4 x 25.4	98	200
2400	2350	2762	3100	25.4 x 25.4	98	200



## Sentinel<sup>®</sup> Finish

Two finishes are available

- Hot dipped galvanised BS EN ISO1461
- Hot dipped galvanised BS EN ISO1461 and Polyester powder coated

Wide range of standard colours available

Green RAL6005    Black RAL9005    Red RAL3020    Yellow RAL1006    Blue RAL5010    Grey RAL7037    White RAL9010



other colours are available on request.

[www.betafence.com](http://www.betafence.com)



BEKassure is an insurance backed 10-year guarantee covering the supply and installation of Betafence systems.



PRO-net licenced contractors are contractors who are licenced by Betafence to carry out work for the award of a BEKassure 10-year guarantee.

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