

## Best Solution For Your Buildings

Concept Façade Solutions Limited is an innovative company in the façade market, providing the most pioneering and custom made solutions to progress the development of the façade sector and improve performance and buildability for both the end user and the contractor. Industry experts from all sectors came together as one to overcome inefficiencies and flaws with current systems, enabling the creation of bespoke systems to overcome any predicament.

## SYSTEM BENEFITS

- ✓ Concept is a UK fabricated system with standard brackets on next day delivery
- ✓ Structural & thermal calculations as standard with your estimate  
On-site pull out tests by our fixing partners
- ✓ Every job approved by our in house engineer and covered by our PI
- ✓ Fixing solutions for any substrate
- ✓ Designed inline with CWCT standards
- ✓ HI & standard thermal pads with 3D thermal calculations to support your project
- ✓ Bespoke rail lengths available to support your project and reduce wastage

## SYSTEM OVERVIEW

### 3 TYPES OF HANGING SYSTEMS:

- 1: **CVS** - Standard helping hand brackets with 'T' or 'L' vertical rails
- 2: **CVF** - Floor to floor span
- 3: **CVSH** - Horizontal rail hanging system
- 4: **CVFH** - Floor to floor horizontal rail hanging system

## OUR BRACKETS

- ✓ Precision engineered from 3-5mm (thickness) 5251 structural grade aluminium
- ✓ Standard sizes 40mm to 360mm to cover a greater range of project specifications
- ✓ Tensile strength 190 - 230 N/mm<sup>2</sup>
- ✓ Integral rail location clip to aid initial positioning
- ✓ Integral thermal pad with HI option to reduce insulation thickness requirements

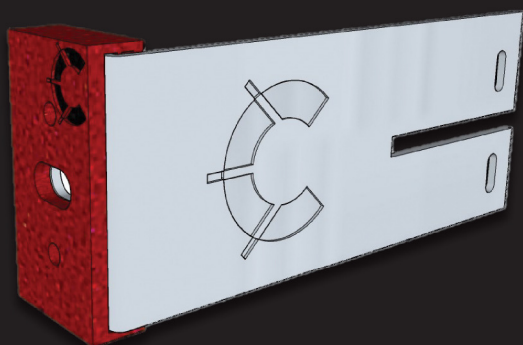
## OUR RAILS

- ✓ Engineered from 2.2mm high specification 6063 T6 aluminium grade supplied in 6m lengths
- ✓ 'T' & 'L' rails available

## OUR FIXINGS

- ✓ Superior long life stainless steel fasteners from our partner RAWL
- ✓ A2 stainless steel with 8mm hex head for bracket to rail, steel & timber
- ✓ A4 stainless steel with a 13mm hex head for bracket to blockwork, brick and concrete
- ✓ Bi-metal fixings are hardened carbon steel drill point case hardened

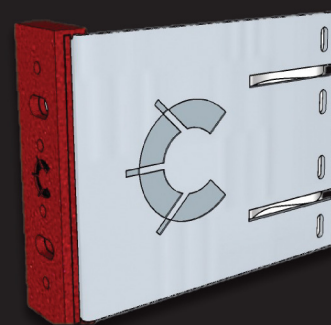
## Single Bracket



Reference	RAIL = 60 x 40 'L'		RAIL = 60 x 100 'T'	
	Min Standoff	Max Standoff	Min Standoff	Max Standoff
CAS-3-40	45mm	80mm	85mm	120mm
CAS-3-60	65mm	100mm	105mm	140mm
CAS-3-80	85mm	120mm	125mm	160mm
CAS-3-100	105mm	140mm	145mm	180mm
CAS-3-120	125mm	160mm	165mm	200mm
CAS-3-140	145mm	180mm	185mm	220mm
CAS-3-160	165mm	200mm	205mm	240mm
CAS-3-180	185mm	220mm	225mm	260mm
CAS-3-200	205mm	240mm	245mm	280mm
CAS-3-220	225mm	260mm	265mm	300mm
CAS-3-240	245mm	280mm	285mm	320mm
CAS-3-260	265mm	300mm	305mm	340mm
CAS-3-280	285mm	320mm	325mm	360mm
CAS-3-300	305mm	340mm	345mm	380mm
CAS-3-320	325mm	360mm	365mm	400mm
CAS-3-340	345mm	380mm	385mm	420mm
CAS-3-360	365mm	400mm	405mm	440mm

Reference	RAIL = 60 x 40 'L'		RAIL = 60 x 100 'T'	
	Min Standoff	Max Standoff	Min Standoff	Max Standoff
CAS-3-40	45mm	80mm	85mm	120mm
CAS-3-60	65mm	100mm	105mm	140mm
CAS-3-80	85mm	120mm	125mm	160mm
CAS-3-100	105mm	140mm	145mm	180mm
CAS-3-120	125mm	160mm	165mm	200mm
CAS-3-140	145mm	180mm	185mm	220mm
CAS-3-160	165mm	200mm	205mm	240mm
CAS-3-180	185mm	220mm	225mm	260mm
CAS-3-200	205mm	240mm	245mm	280mm
CAS-3-220	225mm	260mm	265mm	300mm
CAS-3-240	245mm	280mm	285mm	320mm
CAS-3-260	265mm	300mm	305mm	340mm
CAS-3-280	285mm	320mm	325mm	360mm
CAS-3-300	305mm	340mm	345mm	380mm
CAS-3-320	325mm	360mm	365mm	400mm
CAS-3-340	345mm	380mm	385mm	420mm
CAS-3-360	365mm	400mm	405mm	440mm

## Double Bracket

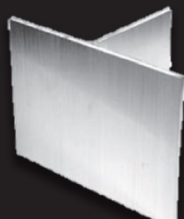


Please contact us should you need different size "L" or "T" to suit your project.

## Carrier Rails



Angle Rail



'T' Rail

Grade	Reference	Description	Application
6060 T6	CAL-2.2-60/40	60x40x2.2mm Aluminium angle x 6m	Standard vertical span
5251	CAL-2-100/40	100x40x2mm Aluminium angle x 3m	Standard vertical span
6063-T6	CAT-2.2-60/100	60x100x2.2mm Aluminium 'T' x 6m	Standard vertical span
6063-T6	CAT-4.8-76/127	76x127x4.8mm Aluminium 'T' x 6m	Floor to floor span
3MM 5251 H22	CATH-3-S100	Top hat 30-33-100-33-30mm in 3m	To span between studs
3MM 5251 H22	CATH-3-D185	Top hat 30-33-185-33-30mm in 3m	To span between studs

### BRACKET TO SUBSTRATE ANCHORS

Material	Reference	Description	For fixing
Stainless steel with carbon steel drill point	OCS-55050 5.5mm x 50 Bi-metal Self-drill screws	55mm bi-metal anchor for steel, 100 per box	Concept brackets to steel stud
	OCS-55050 5.5mm x 50 Bi-metal Self-drill screws	55mm bi-metal anchor for timber, 100 per box	Concept brackets to timber stud
	OCS-55070 5.5mm x 70 Bi-metal Self-drill screws	70mm bi-metal anchor for timber 100 per box	Concept brackets to timber stud
Stainless steel	R-FF1-N- 10K080-A4	80mm anchor for masonry, 100 per box	Concept brackets to concrete/masonry
Stainless steel	R-HPTIIA4- 10080/20	80mm anchor for concrete, 50 per box	Concept brackets to concrete, high loads
STITCHING SCREWS			
Stainless steel with carbon steel drill point	OCWS- 48019S16	19mm bi-metal tech screw, 100 per box	Concept vertical rails onto Concept brackets
	OCWS- 55025S16	22mm bi-metal tech screw, 100 per box	Concept horizontal carrier rails onto Concept vertical rails

## Anchors & Screws



Please contact us for non-standard applications.