

TECHNICAL DETAILS 70MM KISS PIVOT MINI LOUVRE

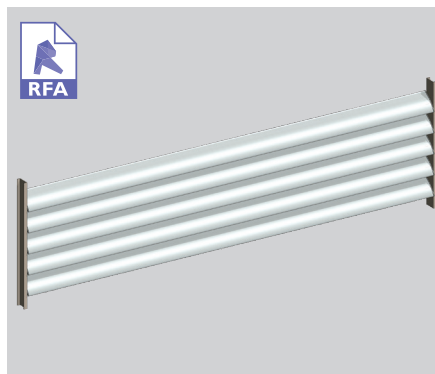
70MM KISS PIVOT MINI LOUVRE

the smallest

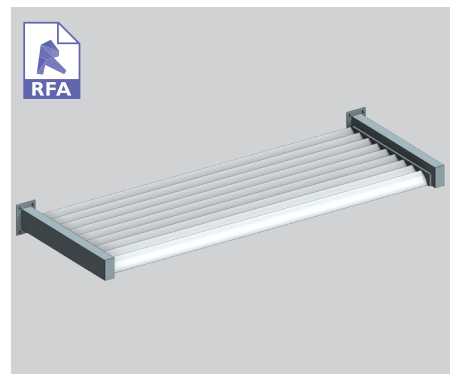
The 70mm Mini Louvre is one of three 'wave' shaped louvres. This shape is replicated in our 70mm, 90mm Midi & 150mm Midi Louvres. This blade can be hand operated using the KISS Pivot system. The blades can be locked closed or in a number of opening positions. A woolpile closing insert ensures a snug fit when closed. The 70mm louvre is well suited fixed within an opening or within sliding, bi-folding or hinged doors. Also available end and bracket fixed.



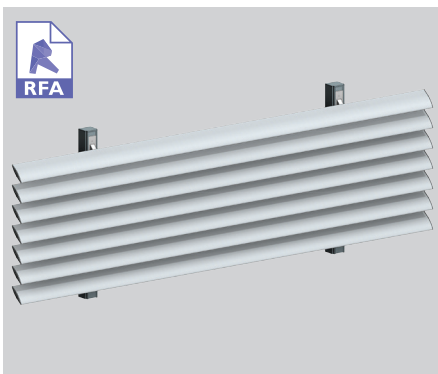
70MM KISS PIVOT



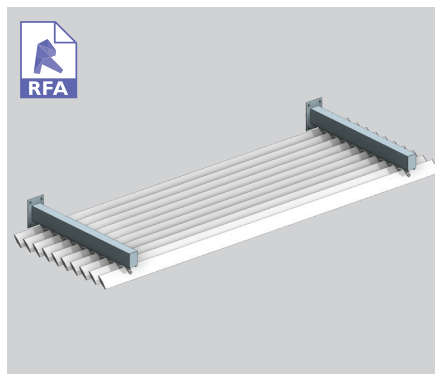
70MM END FIXED VERTICAL



70MM END FIXED OVERHEAD



70MM BRACKET FIXED VERTICAL



70MM BRACKET FIXED OVERHEAD



70MM KISS PIVOT SLIDING DOOR

SURFACE COATINGS

A wide range of options are available.



ANODISED



WOOD FINISH



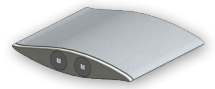
POWDERCOATED

OPERATING THIS SUN LOUVRE - THE CHOICE IS YOURS

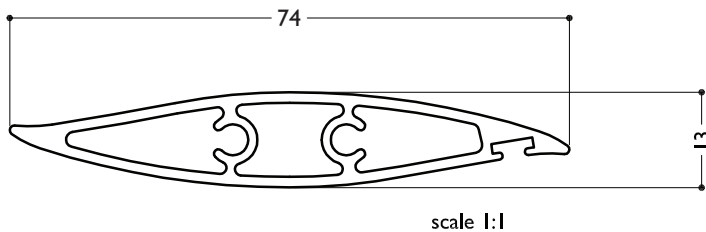
Fixed options

Operable systems





TECHNICAL DETAILS 70MM KISS PIVOT MINI LOUVRE



BLADE SPECIFICATIONS			
Blade cover - opening system	64 mm	Weight per lineal metre	0.716 kg/lm
Weight per square metre - opening system	10 kg/sqm	Actual blade width	74 mm
Blade Centres - opening system	64 mm		

SPANS AT A GLANCE NB Refer Engineering Section. Climate, terrain, shielding, location, type of structure contribute to determine spans.

WIND ZONE	INSIDE	LOW	MEDIUM	HIGH	VERY HIGH	EXTRA HIGH
Factored wind speed at building	Self wt	32 m/s 115 km/hr	37 m/s 133 km/hr	44 m/s 158 km/hr	50 m/s 179 km/hr	55 m/s 198 km/hr
Ultimate limit state loads (kPa)		+0.92 & -1.15	+1.23 & -1.53	+1.74 & -2.17	+2.24 & -2.80	+2.71 & -3.39
Adjustable and Fixed. Horizontal & vertical	2050	1900	1700	1500	1400	1300

INSTALLATION OPTIONS



KISS PIVOT: CALCULATE OPTIMUM FRAME OPENING SIZES

Width: Check engineering limits

Height: Calculation example showing 17 blades

STEP 1

16 blades x 64	1024
1 blade at 74	74
17 blades	=1098

STEP 2

Blade cover	1098
+ top and bottom closing angles allow for	
16mm + 16mm	32
Total exact opening height	=1130*

*This is inside measure - not outer frame size.



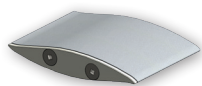
END FIXED

Louvres at any pitch
Louvres at any centre



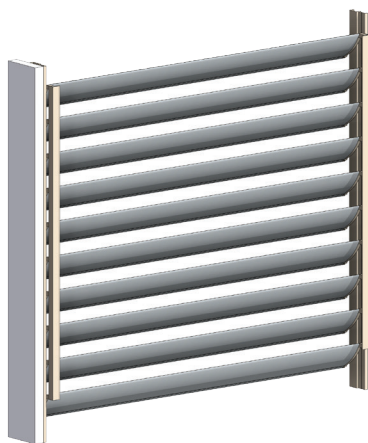
BRACKET FIXED

Louvres at any pitch
Louvres at any centre

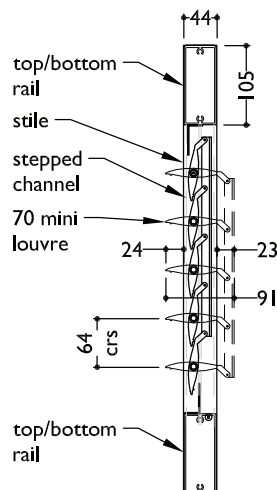


TECHNICAL DETAILS 70MM MINI & 90MM MIDI KISS PIVOT

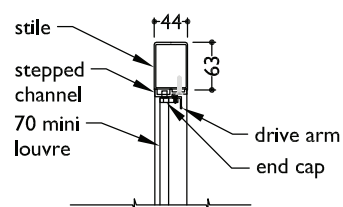
TYPICAL DETAIL 3D/2D MODELS 70MM KISS PIVOT PANEL



70mm KISS Pivot panel

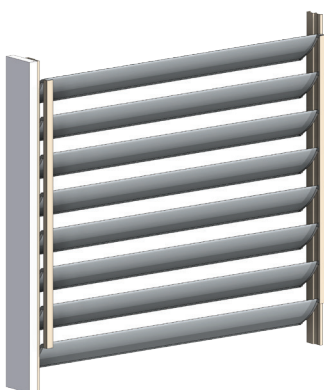


Section in door panel

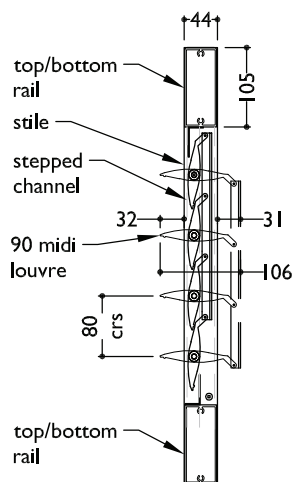


Plan in door panel

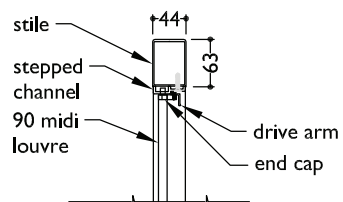
TYPICAL DETAIL 3D/2D MODELS 90MM KISS PIVOT PANEL



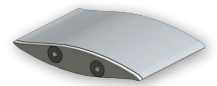
90mm KISS Pivot panel



Section in door panel

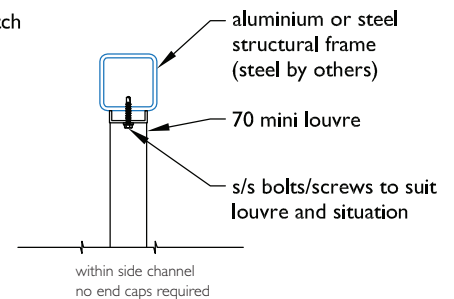
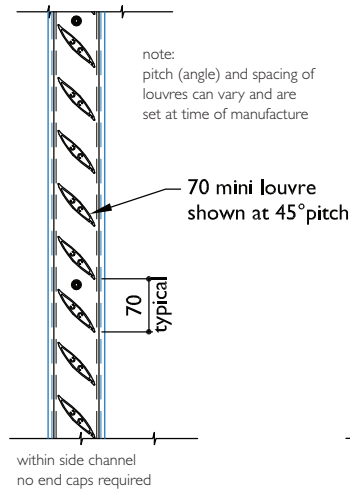
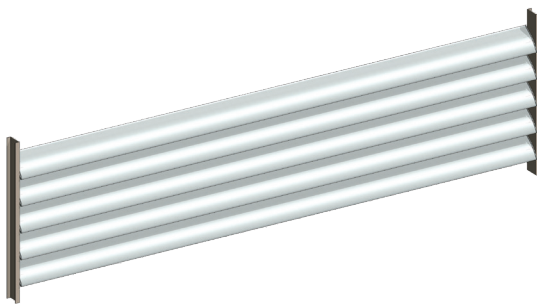


Plan in door panel



TECHNICAL DETAILS 70MM MINI & 90MM MIDI END FIXED VERTICAL & OVERHEAD PANELS

TYPICAL DETAIL 3D/2D MODELS 70MM END FIXED VERTICAL

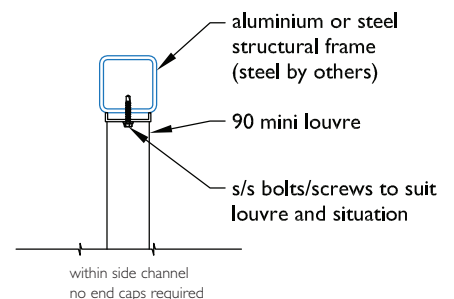
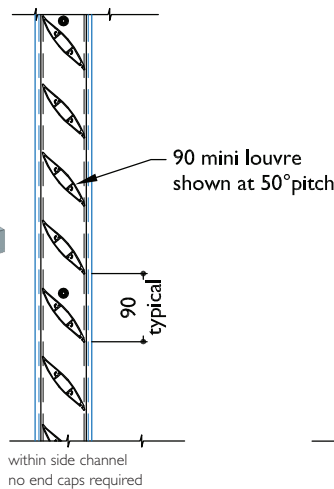
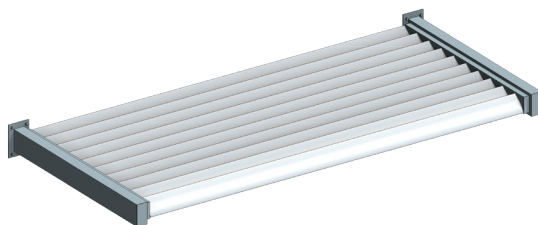


70mm end fixed vertical

Section in channel

Plan in channel

TYPICAL DETAIL 3D/2D MODEL 90MM END FIXED OVERHEAD & END FIXED VERTICAL

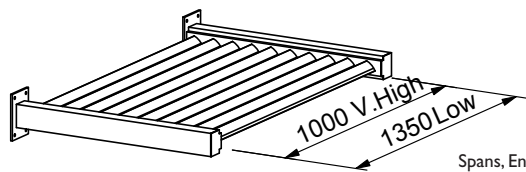


90mm end fixed overhead

Section in channel

Plan in channel

TYPICAL DETAIL : END FIXED OVERHEAD SUN LOUVRES 70MM MINI & 90MM MIDI BLADES SPANS AT A GLANCE

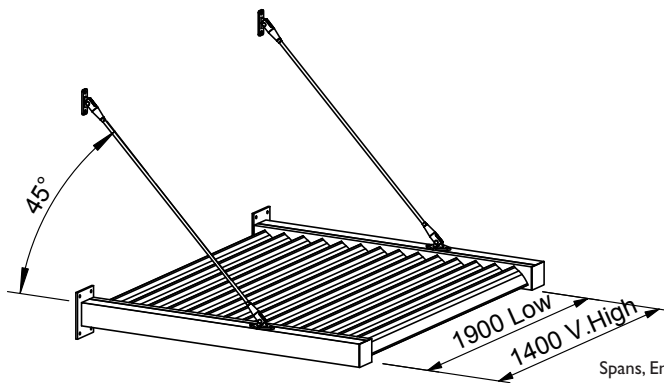


Free Span Example

Spans, End Fixed 70mm Mini Louvre.

CALCULATIONS FOR BLADE SPANS SHOW RANGE FROM

Low Wind Zone | 15km/h, 32m/s to
Extra High Wind Zone | 98km/h, 55m/s
Refer Engineering Details, Section 11



Ø20 SS Strut Support Example,
Strut at Optimum 45° angle.

Spans, End Fixed 70mm Mini Louvre.

KEY

LF = Free span

LS15 = Strut @ 15°

LS30 = Strut @ 30°

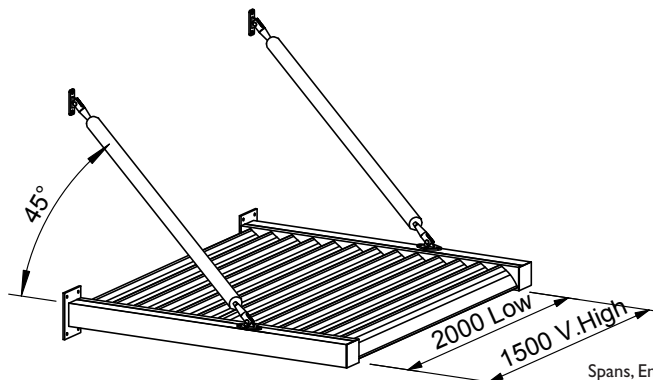
LS45 = Strut @ 45°

Plain Column:

Low - Med Wind Zone.
Up to 133Km/h - 37m/s

Shaded Column:

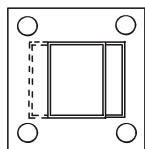
High - VHigh Wind Zone.
Up to 179Km/h - 50m/s



Ø42 SS Strut Support Example,
Strut at Optimum 45° angle.

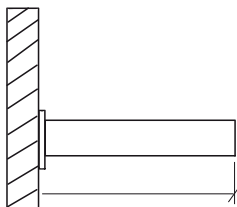
Spans, End Fixed 90mm Midi Louvre.

TYPICAL DETAIL : END FIXED OVERHEAD WALL STRUTS 70MM MINI & 90MM MIDI BLADES
SPANS AT A GLANCE



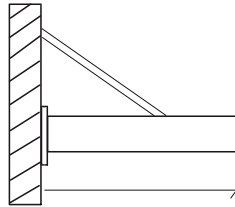
Base Plate: 100 x 150 x 6mm
 Box Section: 75 x 50 x 2.5mm
 Channel: 75 x 25 x 3mm

Free Span



LF	LF
700	600

Strut Support

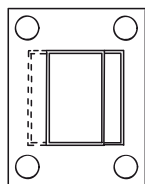


Strut Ø16mm
 Stainless steel

LS15	LS15
1100	900

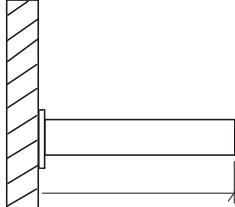
LS30	LS30
1100	1000

LS45	LS45
1300	1000



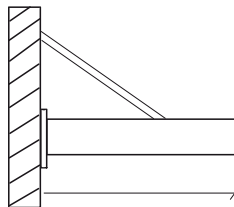
Base Plate: 100 x 225 x 6mm
 Box Section: 100 x 50 x 3mm
 Channel: 100 x 25 x 3mm

Free Span



LF	LF
900	800

Strut Support

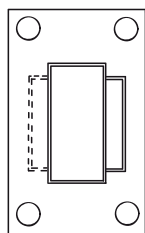


Strut Ø20mm
 Stainless steel

LS15	LS15
1400	1200

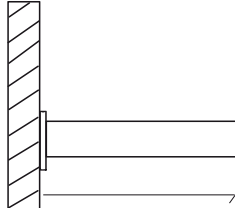
LS30	LS30
1700	1300

LS45	LS45
1700	1400



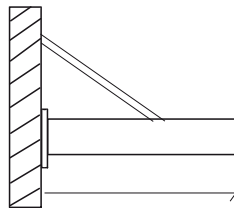
Base Plate: 100 x 275 x 6mm
 Box Section: 150 x 50 x 3mm
 Channel: 100 x 25 x 3mm

Free Span



LF	LF
1300	1200

Strut Support

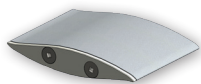


Strut Ø42mm
 Stainless steel

LS15	LS15
2000	1600

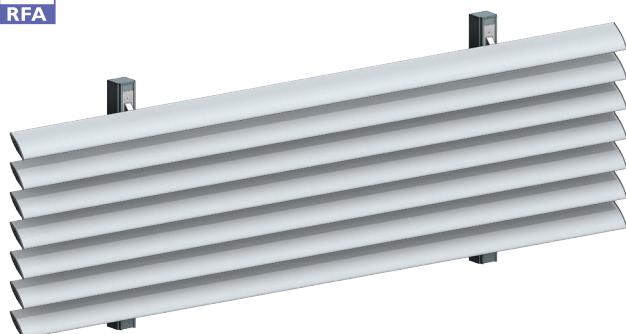
LS30	LS30
2100	1900

LS45	LS45
2300	2000

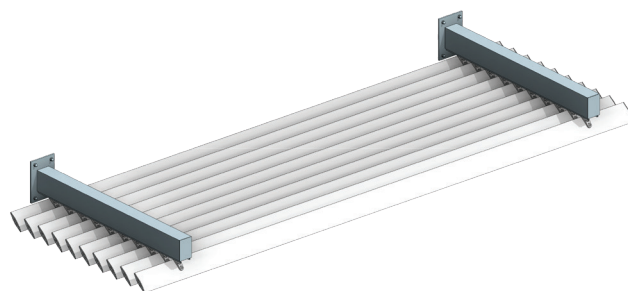


TECHNICAL DETAILS 70MM MINI & 90MM MIDI BRACKET FIXED LOUVRES

TYPICAL DETAIL 3D MODEL 70MM BRACKET FIXED LOUVRES - VERTICAL & OVERHEAD

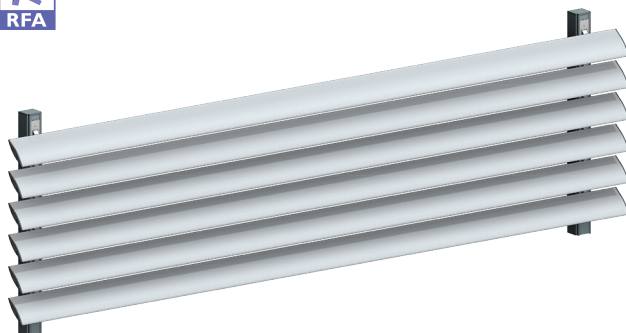


70mm bracket fixed vertical panel

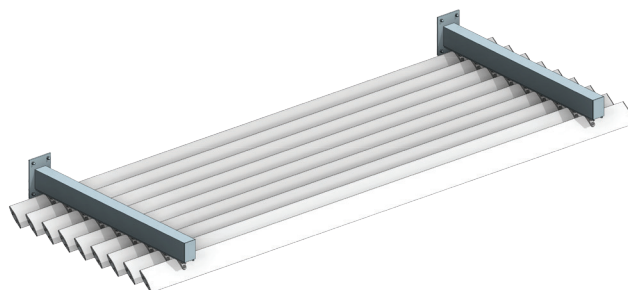


70mm bracket fixed overhead panel

TYPICAL DETAIL 3D MODEL 90MM BRACKET FIXED LOUVRES - VERTICAL & OVERHEAD



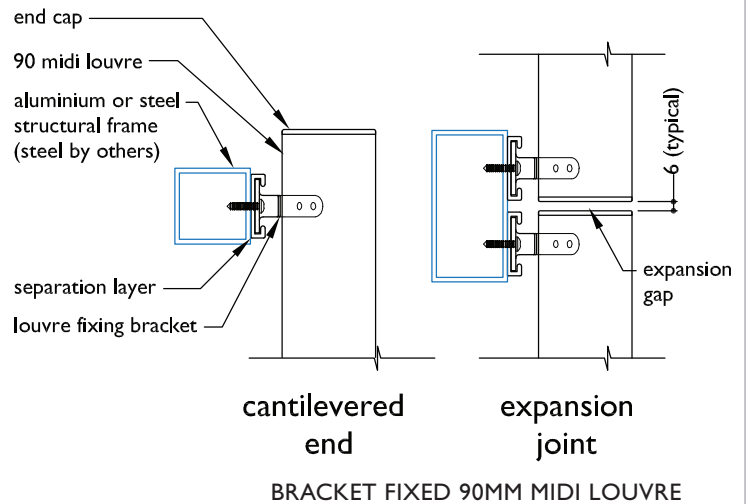
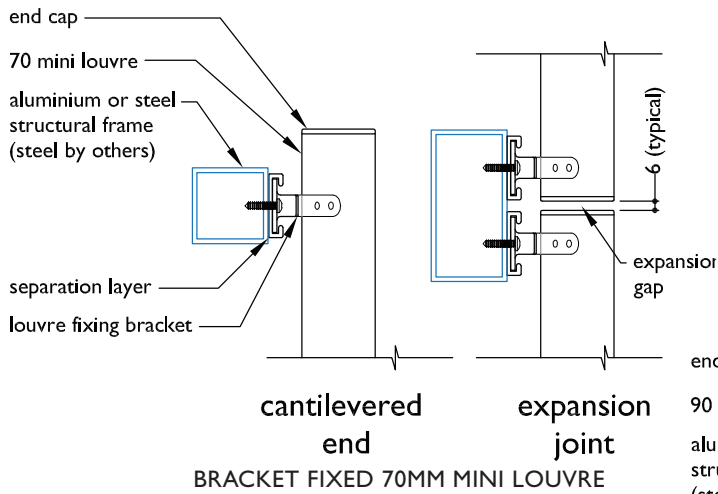
90mm bracket fixed vertical panel



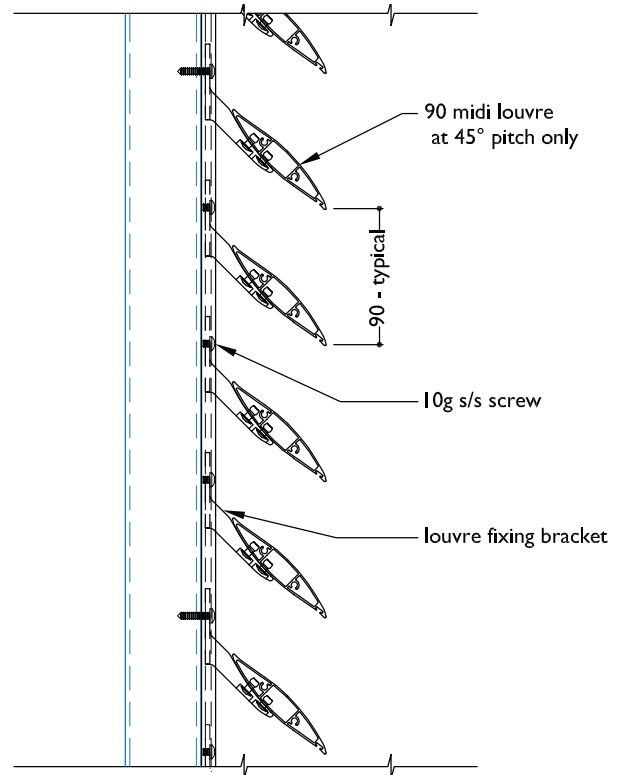
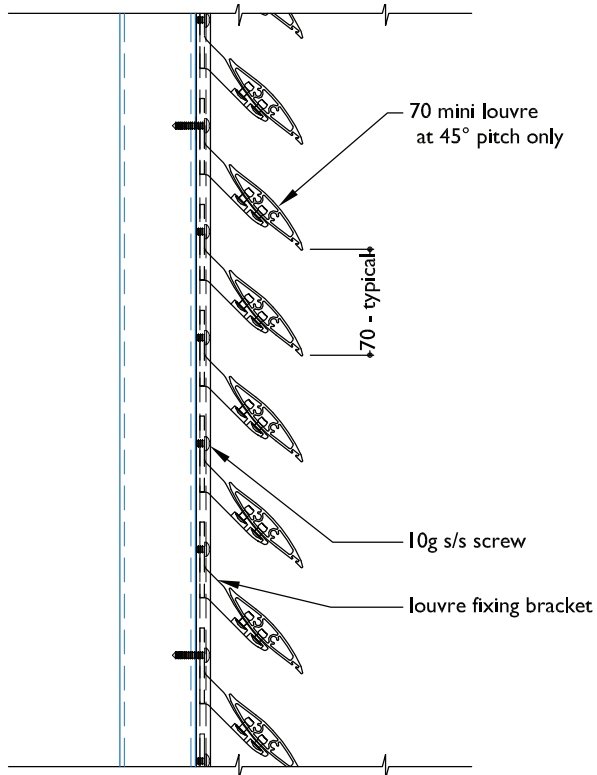
90mm bracket fixed overhead panel

TYPICAL DETAIL : BRACKET FIXED 70MM MINI & 90MM MIDI BLADES

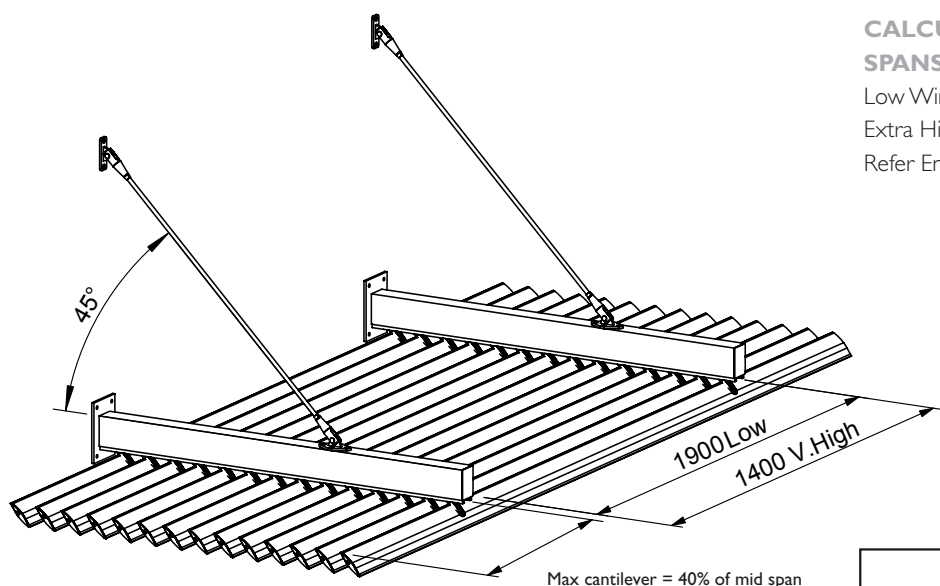
PLAN - BRACKET FIXED 70MM MINI LOUVRE & 90MM MIDI LOUVRE



SECTION - BRACKET FIXED 70MM MINI LOUVRE & 90MM MIDI LOUVRE



TYPICAL DETAIL : BRACKET FIXED OVERHEAD SUN LOUVRES 70MM MINI & 90MM MIDI BLADES SPANS AT A GLANCE



Ø20 SS Strut Support Example,
Strut at Optimum 45° angle.

CALCULATIONS FOR BLADE SPANS SHOW RANGE FROM

Low Wind Zone 115km/h, 32m/s to
Extra High Wind Zone 198km/h, 55m/s
Refer Engineering Details, Section 11

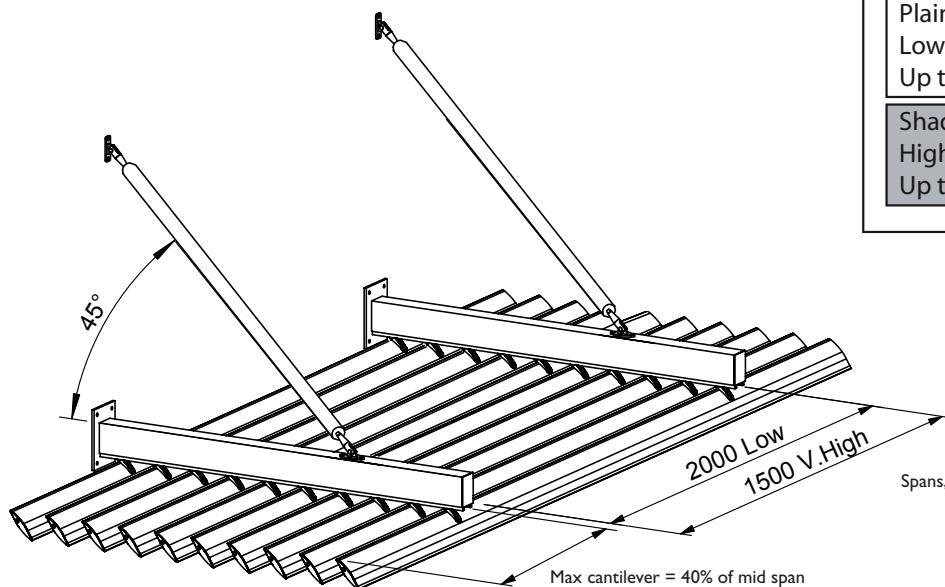
Spans, Bracket Fixed
70mm Mini Louvre.

KEY

LF = Free span
LS15 = Strut @ 15°
LS30 = Strut @ 30°
LS45 = Strut @ 45°

Plain Column:
Low - Med Wind Zone.
Up to 133Km/h - 37m/s

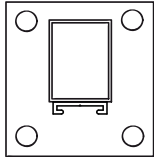
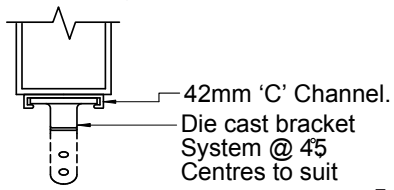
Shaded Column:
High - VHigh Wind Zone.
Up to 179Km/h - 50m/s



Ø42 SS Strut Support Example,
Strut at Optimum 45° angle.

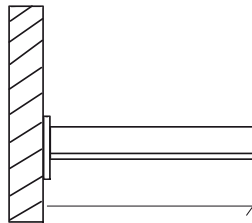
Spans, Bracket Fixed 90mm Midi Louvre.

**TYPICAL DETAIL : BRACKET FIXED OVERHEAD WALL STRUTS 70MM MINI & 90MM MIDI BLADES
SPANS AT A GLANCE**



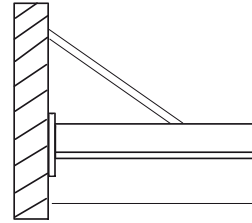
Base Plate: 100 x 150 x 6mm
Box Section: 75 x 50 x 2.5mm
42mm 'C' Channel fixing

Free Span



LF	LF
700	600

Strut Support

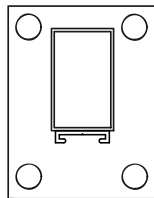


Strut Ø16mm
Stainless steel

LS15	LS15
1100	900

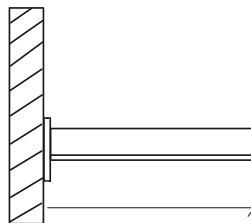
LS30	LS30
1100	1000

LS45	LS45
1300	1100



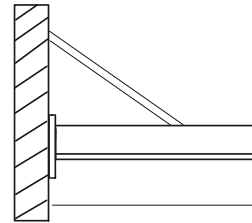
Base Plate: 100 x 225 x 6mm
Box Section: 100 x 50 x 3mm
42mm 'C' Channel fixing

Free Span



LF	LF
900	800

Strut Support

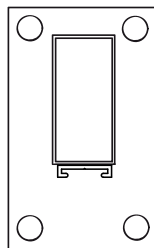


Strut Ø20mm
Stainless steel

LS15	LS15
1400	1200

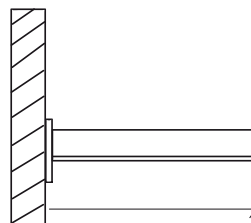
LS30	LS30
1700	1400

LS45	LS45
1700	1400



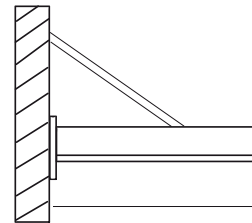
Base Plate: 100 x 275 x 6mm
Box Section: 150 x 50 x 3mm
42mm 'C' Channel fixing

Free Span



LF	LF
1300	1200

Strut Support



Strut Ø42mm
Stainless steel

LS15	LS15
2000	1600

LS30	LS30
2300	1900

LS45	LS45
2300	2000