

Sun Protection Systems



ALUMERO BAUTEC

AEROFOIL BLADES SYSTEM
C-SHAPED BLADES SYSTEM



Systematic Solutions

Alumero's "BASIC" C-Shaped Blades System

Quick and simple installation

Creative shading

Great design variety

Anodized or powder-coated

Eco-friendly and recyclable

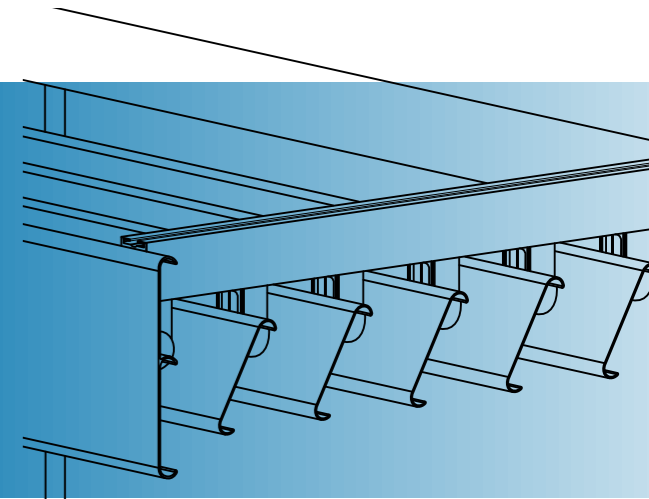
Light-weight aluminium construction

Maintenance-free

Noncorrosive

The "Basic" sun protection system is a fixed system that keeps out direct sunlight while maintaining the connection to the outside.

During the wintertime, the slats can be adjusted to allow in a certain amount of sunlight, thus helping to lower heating costs. In addition to its primary use as a shading element, the "Basic" system also provides added flexibility for designing complex facades.



The Alumero "Basic" C-Shaped Blades System is made from high-quality extruded aluminium profiles and is available mill-finished, anodized or powder-coated in all RAL colors. For maximum variety and design flexibility we also offer custom colors to match any desired color scheme.

The shutters are simply clipped onto brackets in a few simple moves. No tools are needed.

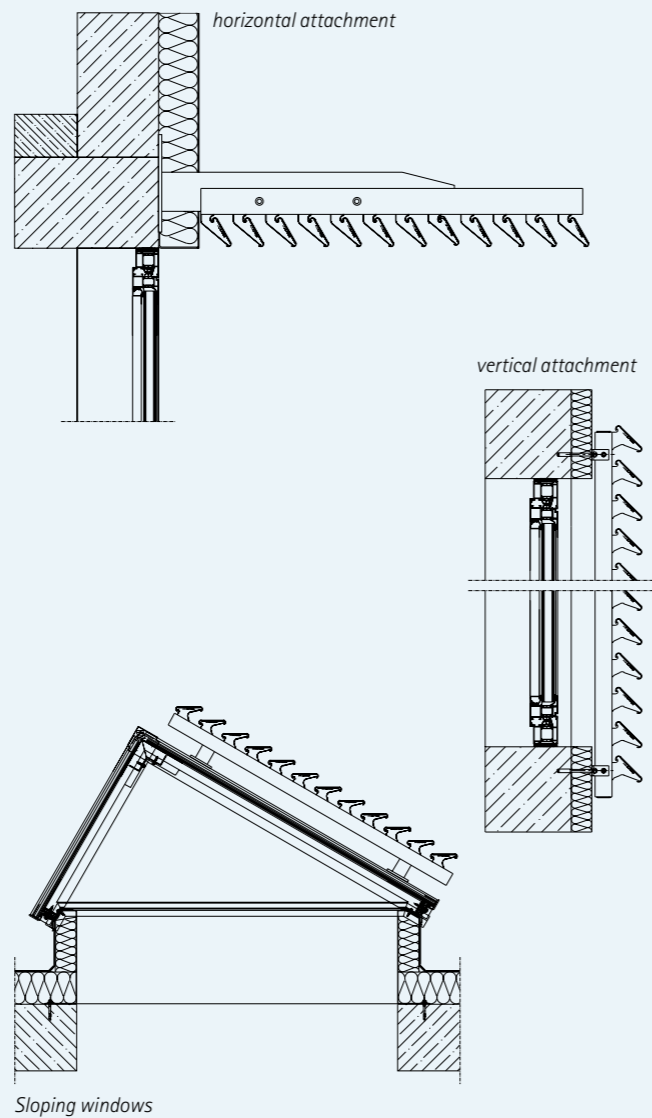
Product Information

Type	Width (mm)
C100 - 4096 shutter	100
C110 - 4099 shutter	110
C140 - 4100 shutter	140
C150 - 4098 shutter	150
C180 - 4101 shutter	180
Distance bet. carrier sections	1,400 - 2,000 mm
Attachment to building face	varies by project
Weight	14-20 kg/m ²
Max. force (carrier sections)	500 N
Standard slat length	1.6 / 4.8 / 6 m

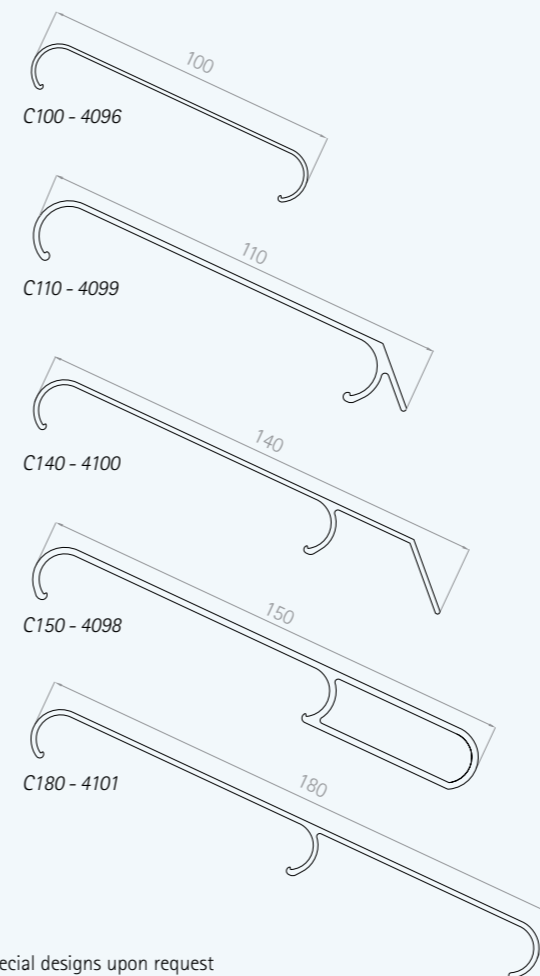
Moment of Inertia

Item	I _x	I _y
VL96 - 4095	3.73	10.78
C100 - 4096	5.24	14.92
C110 - 4099	8.72	23.19
C140 - 4100	13.92	37.40
C150 - 4098	32.42	75.13
C180 - 4101	30.84	90.64
TP30/15 - 4090	0.50	2.31
TP30/23 - 4089	1.47	3.26
TP30/45 - 4092	6.48	2.67
TP30/50 - 4091	13.09	6.41
TP30/90 - 4093	64.48	10.05

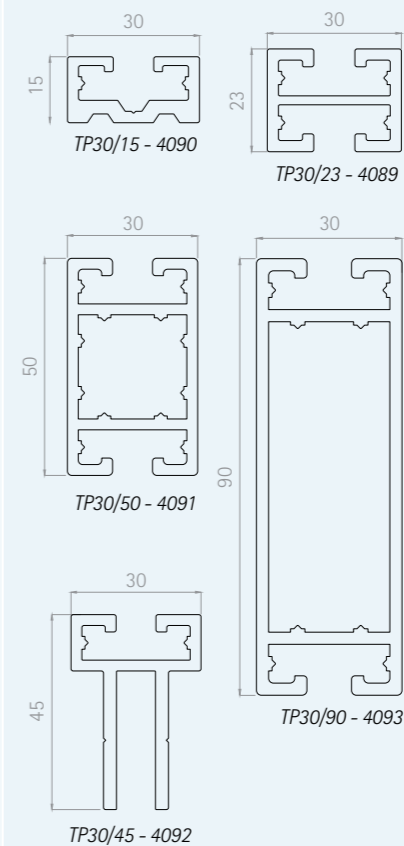
Application Examples



Slats

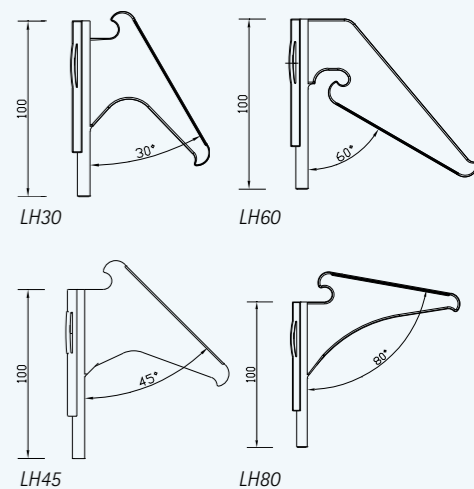


Carrier Sections

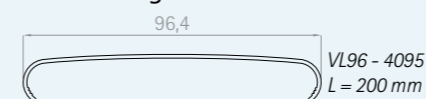


Brackets

Brackets are made from injection-molded polycarbonate. The standard color is gray (similar to RAL 9007). Special colors are available upon request. The bracket slides into the carrier section and is fastened with a screw.



Connecting slat



Cover slat



Alumero's "STYLE" Aerofoil Blades System

Quick and simple installation

Creative shading

Light-weight aluminium construction

Noncorrosive

Eco-friendly and recyclable

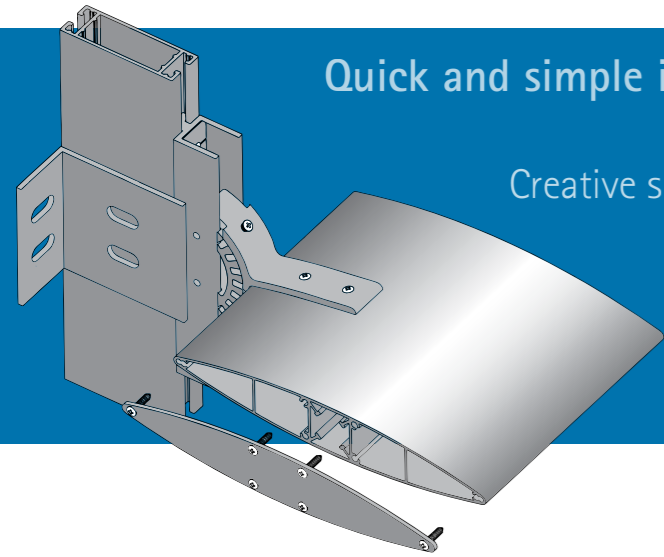
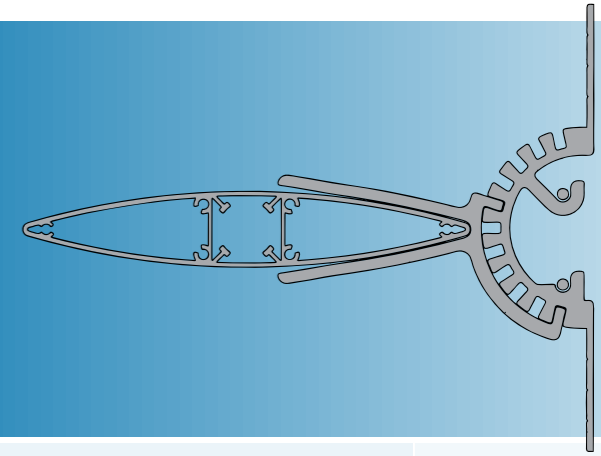
Utilizes passive solar energy

Anodized or powder-coated

Maintenance-free

The "Style" shading system is a fixed system with angle plates that can be used to tilt the shutters at a 0°, 15°, 30°, 45° or 60° angle to optimize a building's sun protection. This system keeps out direct sunlight while maintaining the connection to the outside.

The system's elliptical shape ensures maximum penetration of diffused daylight and does not alter the color of the incident light. At the same time, the "Style" system makes it possible to utilize passive solar energy in winter when the sun is low in the sky. In addition to its primary use as a shading element, the "Style" system also provides added flexibility for designing complex facades.



The Alumero "Style" Aerofoil Blades System is made from high-quality extruded aluminium profiles and is available mill-finished, anodized or powder-coated in all RAL colors. For maximum variety and design flexibility we also offer custom colors to match any desired color scheme.

The "Style" system is available in 5 standard slat sizes. Special profile shapes are available upon request.

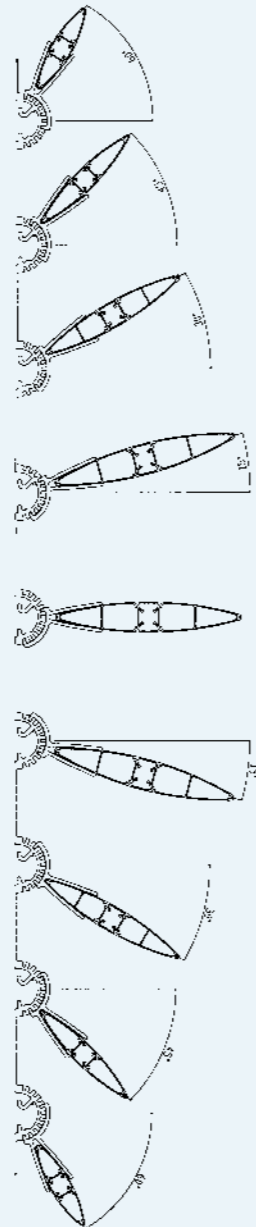
Product Information

Item	Size	
	Width	Height
FB150/34 - 14343	150	34
FB200/34 - 14342	200	34
FB250/40 - 14337	250	40
FB300/50 - 14338	300	50
FB415/69 - 14341	415	69

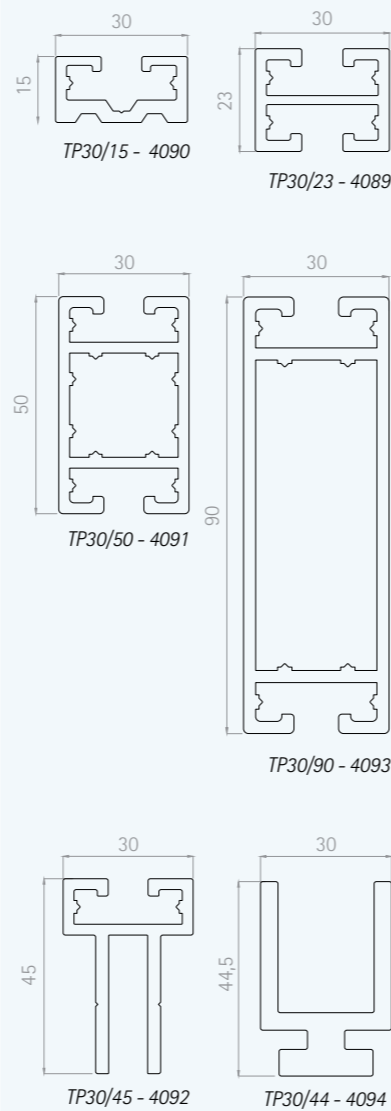
Moment of Inertia

Item	I _x	I _y
FB150/34 - 14343	39.85	98.05
FB200/34 - 14342	92.80	248.80
FB250/40 - 14337	176.20	475.22
FB300/50 - 14338	334.79	897.89
FB415/69 - 14341	996.60	2.652.50
TP30/15 - 4090	0.50	2.31
TP30/23 - 4089	1.47	3.26
TP30/45 - 4092	6.48	2.67
TP30/50 - 4091	13.09	6.41
TP30/90 - 4093	64.48	10.05
TP30/44 - 4094	8.65	5.51

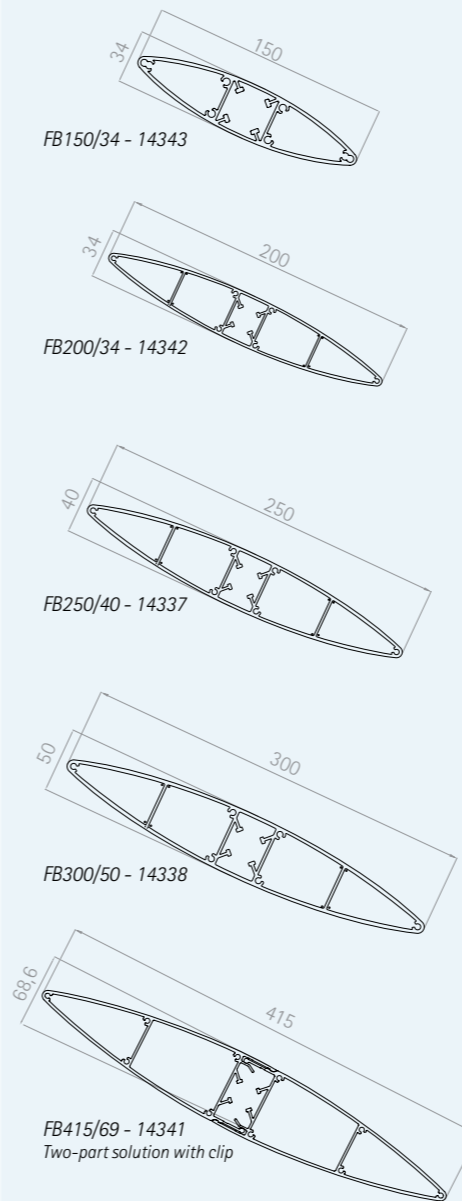
Application Examples



Carrier sections

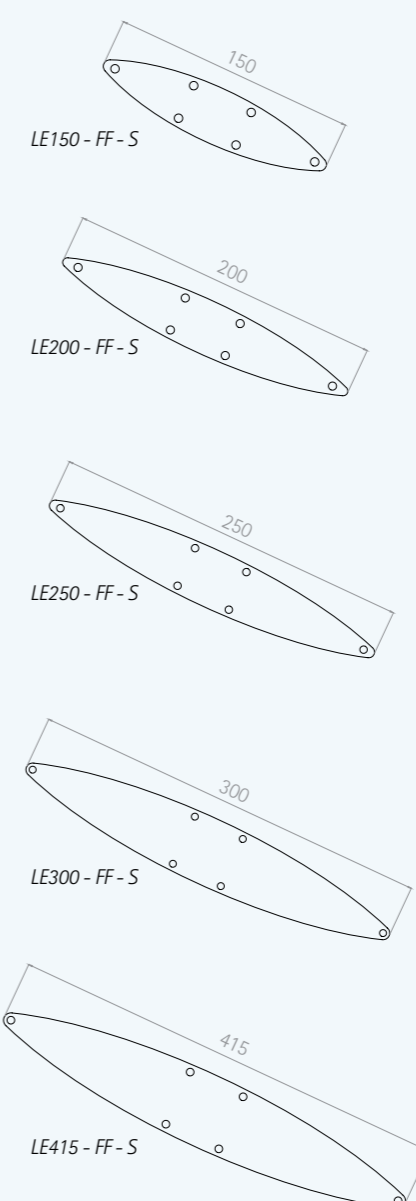


Slats

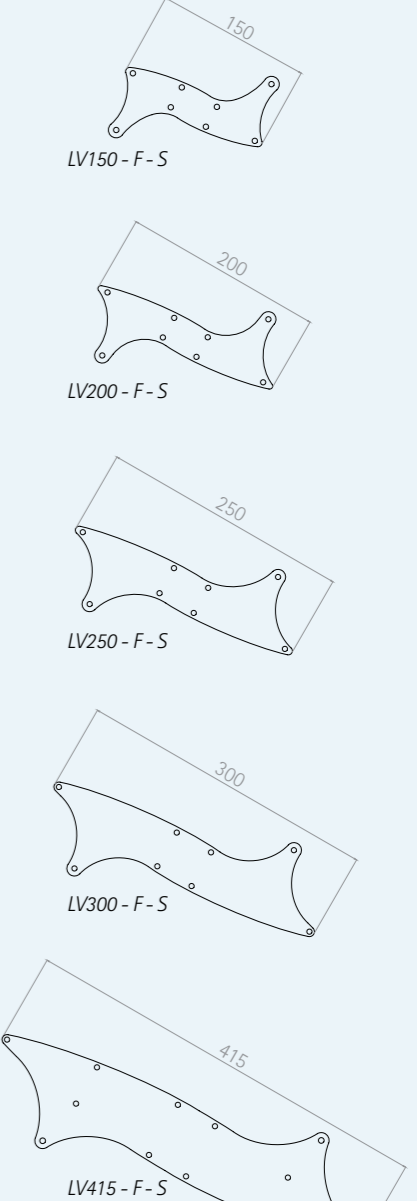


Special slats available upon request

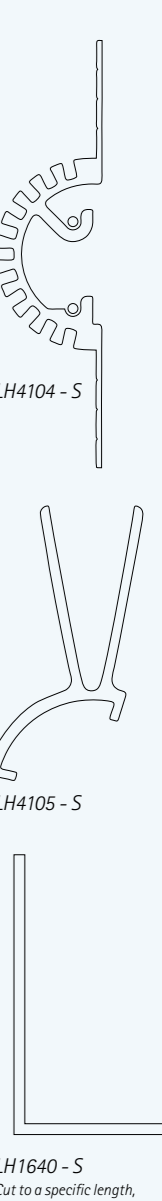
End caps



Connectors



Brackets



Alumero's "MOTION" Aerofoil Blades System

Quick and simple installation

Light-weight aluminium construction

Creative shading

Eco-friendly and recyclable

Quick individual slat adjustment

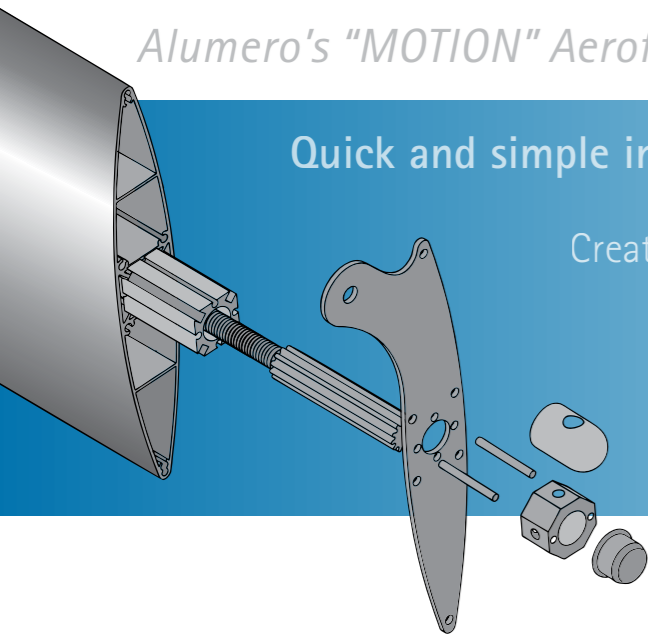
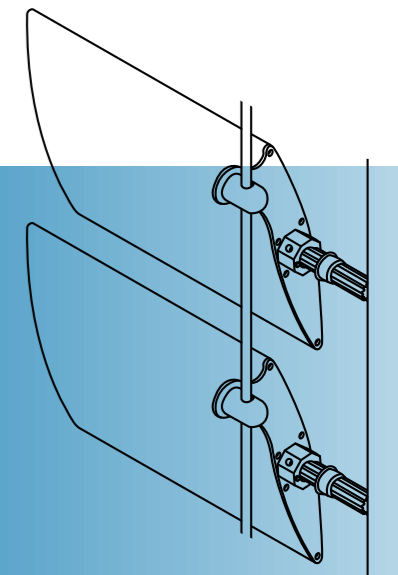
Anodized or powder-coated

Noncorrosive

Maintenance-free

The "Motion" shading system is a movable, motor-driven system in which slats can be adjusted quickly and individually to provide optimal shading of the building. This system keeps out direct sunlight while maintaining the connection to the outside.

The system's elliptical shape ensures maximum penetration of diffused daylight and does not alter the color of the incident light. At the same time, the "Motion" system makes it possible to utilize passive solar energy in winter when the sun is low in the sky. In addition to its primary use as a shading element, the system also provides added flexibility for designing complex facades.

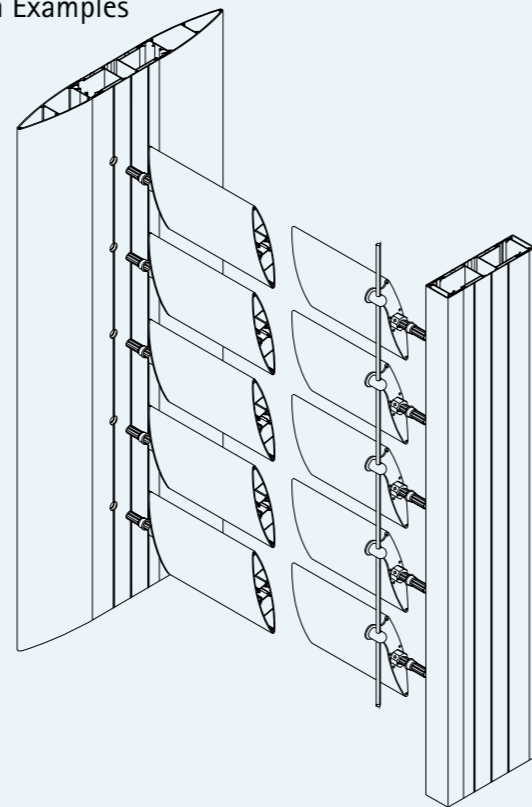


The Alumero "Motion" Aerofoil Blades System is made from high-quality extruded aluminium profiles and is available mill-finished, anodized or powder-coated in all RAL colors.

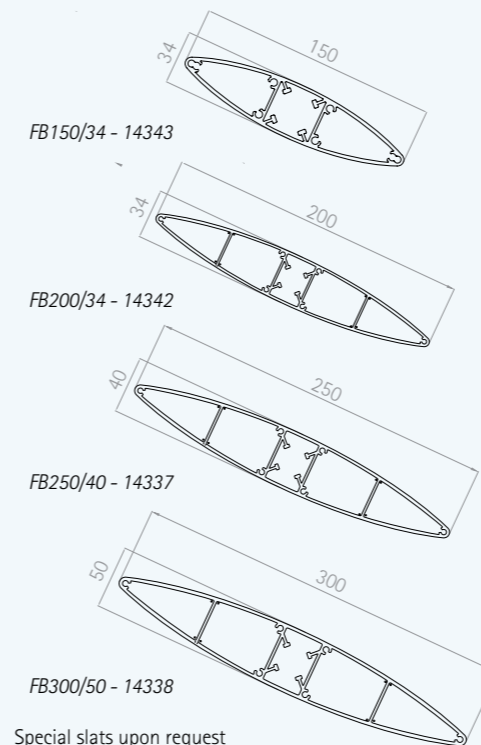
For maximum variety and design flexibility, we also offer custom colors to match any desired color scheme.

The "Motion" system is available in 4 standard slat sizes. Special profile shapes are available upon request.

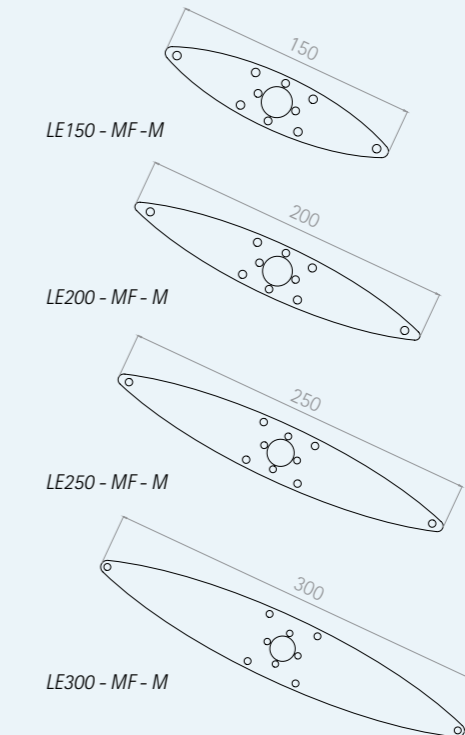
Application Examples



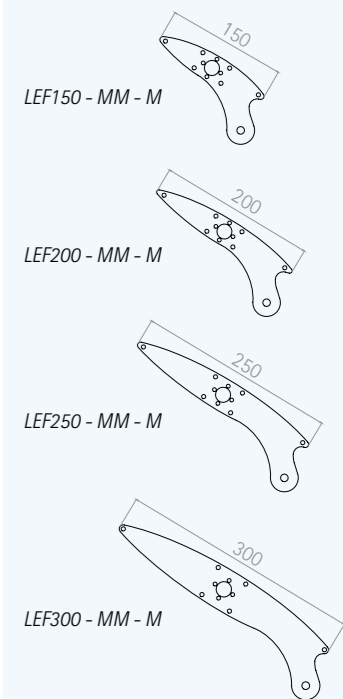
Slats



End caps



End caps with guide tab



Product Information

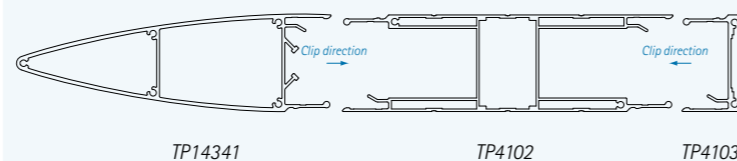
Item	Size	
	Width	Height
FB150/34 - 14343	150	34
FB200/34 - 14342	200	34
FB250/40 - 14337	250	40
FB300/50 - 14338	300	50

Moment of Inertia

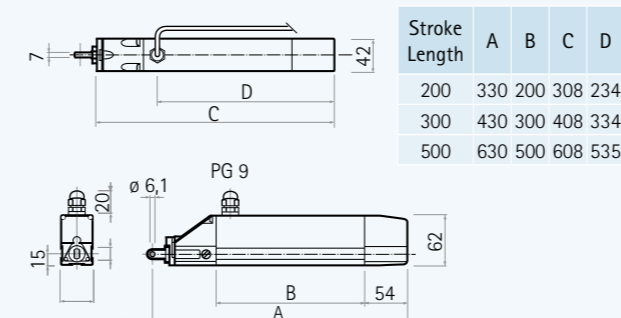
Item	Ix	Iy
FB150/34 - 14343	39.85	98.05
FB200/34 - 14342	92.80	248.80
FB250/40 - 14337	176.20	475.22
FB300/50 - 14338	334.79	897.89
Combin. - TP14341/4102/4103	1729.41	4682.14
Combin. - TP14341/4102/14341	3363.04	9495.20
Combin. - TP4103/4102/4103	221.88	2.240.34

Carrier sections

Clip system with different design possibilities (elliptical or square end pieces)



Motors



Motor Specifications

Item Nr.	Description	Volts	Power	Stroke length	max. consumption	Speed
2700036	EURO 1 200 mm - A	230 V ~ / 50 Hz	450 n	200 mm	30 W	ca. 8 mm/s
2700037	EURO 1 200 mm - N	230 V ~ / 50 Hz	450 n	200 mm	30 W	ca. 8 mm/s
2700040	EURO 1 300 mm - A	230 V ~ / 50 Hz	450 n	300 mm	30 W	ca. 8 mm/s
2700041	EURO 1 300 mm - N	230 V ~ / 50 Hz	450 n	300 mm	30 W	ca. 8 mm/s
2700044	EURO 1 500 mm - A	230 V ~ / 50 Hz	450 n	500 mm	30 W	ca. 8 mm/s
2700045	EURO 1 500 mm - N	230 V ~ / 50 Hz	450 n	500 mm	30 W	ca. 8 mm/s
2700386	EURO 1 300 mm - A	230 V ~ / 50 Hz	1000 n	300 mm	23 W	ca. 3 mm/s
2700387	EURO 1 300 mm - N	230 V ~ / 50 Hz	1000 n	300 mm	23 W	ca. 3 mm/s



ALUMERO Production Plant, Poland

Alumero Metal Components Sp. z o.o
 Polska, Ul. Kluczborska 29,
 41-508 Chorzów
 Tel.: +48 (0) 32 / 34 617 60
 Fax: +48 (0) 32 / 34 617 70
 E-mail: alumero@alumero.pl



ALUMERO Headquarters

Alumero Systematic Solutions GmbH
 Austria, 5164 Seeham, Rosenweg 22
 Tel.: +43 (0) 6217 / 68 41-0
 Fax: +43 (0) 6217 / 68 41-41
 E-mail: alumero@alumero.at
www.alumero.at



ALUMERO Production Plant, Die Niederlande

ALUMERO FINEX extrusions B.V.
 Nederland, Duizeldonksestraat 20,
 5705 CA Helmond
 Tel.: +31 (0) 492 / 59 85 10
 Fax: +31 (0) 492 / 59 85 28
 E-mail: alumero@alumero.nl



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www.alumero.at