EN

ISOTRA®

EXTERIOR BLINDS

CETTA

SETTA

ZETTA

TITAN

... protecting your privacy.

EXTERIOR BLINDS

CETTA, SETTA, ZETTA, TITAN

Exterior blinds create an optimal environment regarding light and temperature conditions and are an important part of the building in terms of energy savings.
Within the traditional approach, the exterior blinds fulfil the shading and safety function.
As for the non-traditional concept, they represent an architectural element of office buildings and are a jewel of family houses.

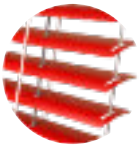
ADVANTAGES AND BENEFITS OF EXTERIOR BLINDS

- HIGH DEGREE OF PROTECTION AGAINST SOLAR RADIATION,
- EFFECTIVE PROTECTION OF PRIVACY,
- REDUCTION OF HEAT ALREADY IN THE EXTERIOR,
- REDUCTION OF THE AMBIENT NOISE LEVEL,
- CORNER BLIND POSSIBILITY,
- INCREASING THE SAFETY OF BUILDINGS,
- DESIGN AND ARCHITECTURAL ELEMENT OF THE FACADE.

ISOTRA *Quality*

„ISOTRA QUALITY, a brand symbolizing years of tradition, innumerable investments into research and development, use of high-quality materials, technological advancement, reliable work of hundreds of employees and many more parameters, which together form one whole – final product of company ISOTRA a.s."

EXTERIOR BLINDS CETTA



CETTA 50

CETTA 65

CETTA 80

EXTERIOR BLINDS SETTA

SETTA 65

SETTA 90

EXTERIOR BLINDS ZETTA

ZETTA 70

ZETTA 90

CHAIN BLIND TITAN

TITAN 90

Legend

handle

switch

cord

sensor sun/wind

remote control

Tahoma

... protecting your privacy.

BLINDS CETTA

... practical variations.

The exterior blind Cetta is a favorite type for shading family houses and office buildings. We offer this type in many design versions. Flexi system or Slim system features a lower lap height while the Duo system is characterized by different tilting of slats in the top and bottom blind part.

Aluminium guidance channels provide stability of the blind under windy conditions and serve as a supporting element for securing the house against burglary. A variability of assembly as well as design makes this exterior horizontal blind a practical shielding element suitable for all types of objects.

Standard dimensions:

	WIDTH [mm]		HEIGHT [mm]	SURFACE [m²]			GUIDANCE ELEMENT
	min.	max.	max.	cord	handle	motor	
CETTA 50	400/600*	3 500	3 000	6	8	10	wire/guiding channel
CETTA 60 FLEXI	600	4 000	4 000	-	8	16	wire/guiding channel
CETTA 65	600	6 000	4 000	-	8	24	wire/guiding channel
CETTA 80 CETTA 80 - SLIM	600	6 000	4 000	-	8	24	wire/guiding channel
CETTA 80 FLEXI	600	4 000	4 000	-	8	16	wire/guiding channel
CETTA 80 FLEXI (CORNER BLIND)	600	3 000	4 000	-	7,5	12	wire/guiding channel
CETTA 100 FLEXI	600	4 000	4 000	-	8	16	wire/guiding channel

* Min. width for electric control

Advantages of the Cetta blind

- Variability of the slat width: 50 mm, 65 mm, 80 mm,
- variability of the design: Duo system, Slim system, Flexi system (60, 80, 100),
- high degree of shading,
- thermoregulatory as well as protective effect,
- reduction of the ambient noise level,
- bottom rail from extruded aluminium,
- possibility of electrical control,
- maximum surface guaranteed: 24 m^2.

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Control

CETTA 50

Colours

RAL 9016	RAL 7035	DB 703	RAL 7016	RAL 1019*
RAL 9010	RAL 7038	RAL 7048	RAL 7021	RAL 3004
RAL 8014	RAL 9006	VSR 780	RAL 9005M	RAL 7039*
RAL 7012*	RAL 9007	RAL 7022	RAL 7016S	RAL 8019*
RAL 1013*	W210	DB 702	RAL 9006S	YW359F*

For Cetta Flexi: RAL 9016, 7022, 7035, 9005M, 9006, 9007, DB 703, 7016, VSR 780
For Cetta 50: 01 - white, 14 - silver, RAL 9007 and 7016, 0606, 4459, 4806, 7113
*only for C80

CETTA 50

CETTA 65

CETTA 80

	HEAD RAIL		BOTTOM RAIL	SLAT	SIDE GUIDANCE	LADDER	TEXTILE TAPE
CETTA 50	Fe, 40 x 40*	Al, 58 x 60	Fe, 49 x 12	Al, 50 mm	Fe/PVC wire ø 2,2 guiding channel (elox)	PES, 42 x 54	PES, 6 x 0,28
CETTA 60 - FLEXI	Fe, 56 x 58	Al, 58 x 60	Al, 64,5 x 12,7	Al, 60 mm	Fe/PVC wire ø 3,2 guiding channel (elox)	PES, 52 x 65	PES, 6 x 0,28
CETTA 65	Fe, 56 x 58	Al, 58 x 60	Al, 67 x 13	Al, 65 mm	Fe/PVC wire ø 3,2 guiding channel (anodized)	PES, 60 x 70	PES, 6 x 0,28
CETTA 80	Fe, 56 x 58	Al, 58 x 60	Al, 80,5 x 13,8	Al, 80 mm		PES, 68 x 85	PES, 6 x 0,28
CETTA 80 - SLIM	Fe, 56 x 58	Al, 58 x 60	Al, 80,5 x 13,8	Al, 80 mm		PES, 68 x 85	PES, 6 x 0,28
CETTA 80 - FLEXI	Fe, 56 x 58	Al, 58 x 60	Al, 80,5 x 13,8	Al, 80 mm	Fe/PVC wire ø 2,2 guiding channel (elox)	PES, 68 x 85	PES, 6 x 0,28
CETTA 100 - FLEXI	Fe, 56 x 58	Al, 58 x 60	Al, 103,5 x 17	Al, 100mm	Fe/PVC wire ø 3,2 guiding channel (elox)	PES, 92 x 105	PES, 6 x 0,28

* Control – cord/handle

BLINDS SETTA

... combination of elegance and practicality.

The exterior blind Setta is a leader in exterior shading with regard to efficiency and design. S-shaped slats create a perfect compact surface when closed. Effectiveness of the exterior blind Setta is strengthened by its raceful appearance.

The thermoregulatory effect of the blind Setta is enhanced by a rubber piece pressed-in along the whole slat length. Aluminium guidance channels provide stability of the outside blind under windy conditions and serve as a supporting element for securing the house against burglary. A variability of assembly, elegance and perfect shading make this exterior horizontal blind a unique shielding element suitable for all types of objects.

Standard dimensions:

	WIDTH [mm]		HEIGHT [mm]	SURFACE [m^2]			GUIDANCE ELEMENT
	min.	max.	max.	cord	handle	motor	
SETTA 65	600	6 000	4 000	-	8	24	guiding channel
SETTA 90	600	6 000	4 000	-	8	24	guiding channel

Advantages of the Setta blind

- Elegant design with S-shaped slats,
- dual width of slats: 65 mm and 90 mm,
- high degree of shading,
- thermoregulatory as well as protective effect,
- reduction of the ambient noise level,
- bottom rail from extruded aluminium,
- possibility of electrical control,
- reduced blind noise (rubber piece pressed-in along the whole blind length),
- maximum surface guaranteed: 24 m^2.

Control

Colours

RAL 9016	RAL 7035	DB 703	RAL 9005M	YW359F*
RAL 9010	RAL 7038	RAL 7048	RAL 7016S	W210
RAL 8014	RAL 9006	VSR 780	RAL 9006S	DB 702
RAL 8019*	RAL 9007	RAL 7022	RAL 1019*	
RAL 7012*	RAL 7016MT*	RAL 7016	RAL 3004	
RAL 1013*	RAL 9006MT*	RAL 7021	RAL 7039*	

*only for S90

SETTA 65

SETTA 90

	HEAD RAIL		BOTTOM RAIL	SLAT	SIDE GUIDANCE	LADDER	TEXTILE TAPE
SETTA 65	Fe, 56 x 58	Al, 58 x 60	Al, 67 x 13	Al, 65 mm	guiding channel	PES, 60 x 9,5	PES, 8 x 0,34
SETTA 90	Fe, 56 x 58	Al, 58 x 60	Al, 93 x 14	Al, 90 mm	guiding channel	PES, 86 x 9,5	PES, 8 x 0,34
COLOUR	zinc-coated, sheet metal	pure aluminium	anodized Al.	from sampler	anodized	grey, black	grey, black

BLINDS ZETTA

... passion for modern design.

The exterior blind Zetta is the most technologically advanced exterior blind suitable for shading family houses as well as office buildings. Z-shaped slats ensure perfect shading and have a modern feel.

The thermoregulatory effect of the blind Zetta is enhanced by a rubber piece pressed-in along the whole slat length. Aluminium guidance channels provide stability of the outside blind under windy conditions and serve as a supporting element for securing the house against burglary. A variability of assembly, elegance and perfect shading make this exterior horizontal blind a unique shielding element suitable for all types of objects.

Standard dimensions:

	WIDTH [mm]		HEIGHT [mm]	SURFACE [m²]			GUIDANCE ELEMENT
	min.	max.	max.	cord	handle	motor	
ZETTA 70	600	6 000	4 000	-	8	18	guiding channel
ZETTA 90	600	6 000	4 000	-	8	24	guiding channel
ZETTA 90 CORNER BLIND)	600	3 000	4 000	-	7,5	12	guiding channel

Advantages of the Zetta blind

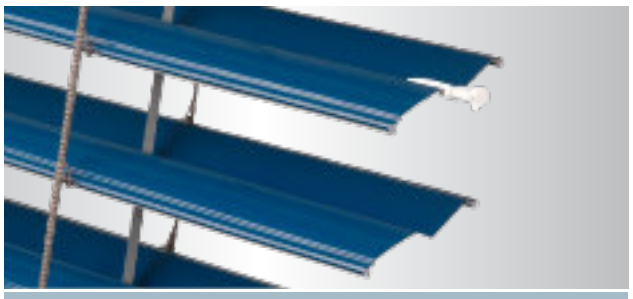
- Modern design with Z-shaped slats,
- dual width of slats: 70 mm and 90 mm,
- high degree of shading,
- thermoregulatory as well as protective effect,
- reduction of the ambient noise level,
- bottom rail from extruded aluminium,
- possibility of electrical control,
- reduced blind noise (rubber piece pressed-in along the whole blind length),
- maximum surface guaranteed: 24 m^2.

Control

Colours

RAL 9016	RAL 7035	DB 703	RAL 9005M	YW359F*
RAL 9010	RAL 7038	RAL 7048	RAL 7016S	W210
RAL 8014	RAL 9006	VSR 780	RAL 9006S	DB 702
RAL 8019*	RAL 9007	RAL 7022	RAL 1019*	
RAL 7012*	RAL 7016MT*	RAL 7016	RAL 3004	
RAL 1013*	RAL 9006MT*	RAL 7021	RAL 7039*	

*only for Z90



ZETTA 70

ZETTA 90

	HEAD RAIL		BOTTOM RAIL	SLAT	SIDE GUIDANCE	LADDER	TEXTILE TAPE
ZETTA 70	Fe, 56 x 58	Al, 58 x 60	Al, 67 x 13	Al, 70 mm	guiding channel	PES, 60 x 9,5	PES, 8 x 0,34
ZETTA 90	Fe, 56 x 58	Al, 58 x 60	Al, 93,4 x 17,1	Al, 90 mm	guiding channel	PES, 80 x 9,5	PES, 8 x 0,34
COLOUR	zinc-coated, sheet metal	pure aluminium	anodized Al.	from sampler	anodized	grey, black	grey, black

CHAIN BLIND TITAN

... practical variations.

TITAN 90 is the absolute top product among the exterior blinds. The chain blind TITAN 90 is the exterior blind with safety elements which protects the facility from violent intrusion. The whole system including the slat shape was newly developed by the ISOTRA development workplace.

All control and safety elements are not freely accessible (they are hidden in the guiding rails), which means that in the activated and enclosed state it prevents the blind handling from outsider. The new special shape of the slat results in the slat inter-locking in enclosed state without leaving any gaps. This type of slat is controlled only by motor. If the blind hits an obstacle during the downwards movement, the rest of the rolled blind remains in the obstacle position even after removing the obstacle (no free fall), and it also prevents manual handling of the blind upwards.

Standard dimensions:

	WIDTH [mm]		HEIGHT [mm]		AREA [m²]	GUIDANCE
	min.	max.	min.	max.	engine	
TITAN 90	600	2 800	500	4 000	8	Side guiding

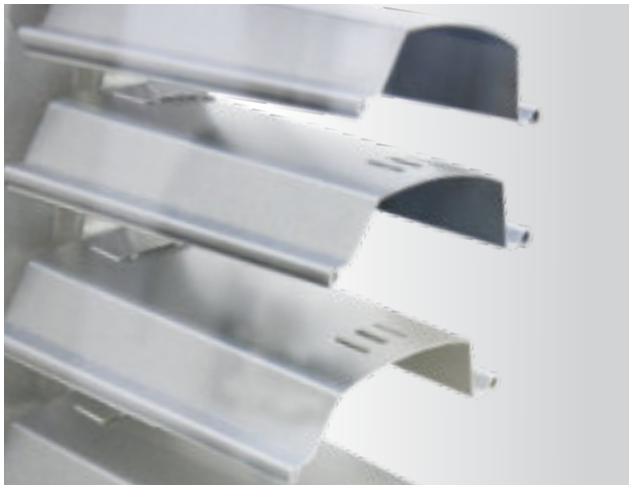
Advantages and benefits

- High level of resistance to violent intrusion,
- high level of wind resistance,
- self-supporting blind,
- blinds using independent system for lifting and tilting of slats,
- packet stopping in contact with any obstacle and the rest of the rolled blind remains in the obstacle position even after removing the obstacle, no free fall,
- easy and quick replacement of damaged slats,
- own technologies, including component production and rolling mills,
- modern design.

Control

Colours

- RAL 9010
- RAL 9006
- RAL 9007
- RAL 7016
- RAL 7048
- DB 703



	HEAD RAIL	BOTTOM RAIL	SLAT	SIDE GUIDANCE
TITAN 90	Fe 56 x 58	-	Al 90 mm	guiding channel
COLOUR	zinc-coated	-	from sampler	anodized

CETTA 80F TE BLINDS

...asymmetrical and efficient design.

The sloped blind is an ideal solution for shading asymmetrical window shapes, where the upper frame is not horizontal, but inclined at a specific angle. The aluminium slats follow the angle of the upper frame and are parallel to it.

The slats are guided in a steel cord. The blind contains a special mechanism compensating for the different lengths of textile straps when sliding down and lifting the blind. The telescopic bottom rail compensates for the different width of the lower rail in the lower position (window width) and the upper position (length of the inclined part of the window). Low roll height is achieved by using slats without longitudinal folds (Flexi system).

Standard dimensions:

	WIDTH [mm]		HEIGHT [mm]		AREA [m²]	MAX. ANGLE
	min.	max.	min.	max.	motor	
CETTA 80F TE	600	2 500	300	4 000	7	50°

Advantages of the C80F TE sloped blind

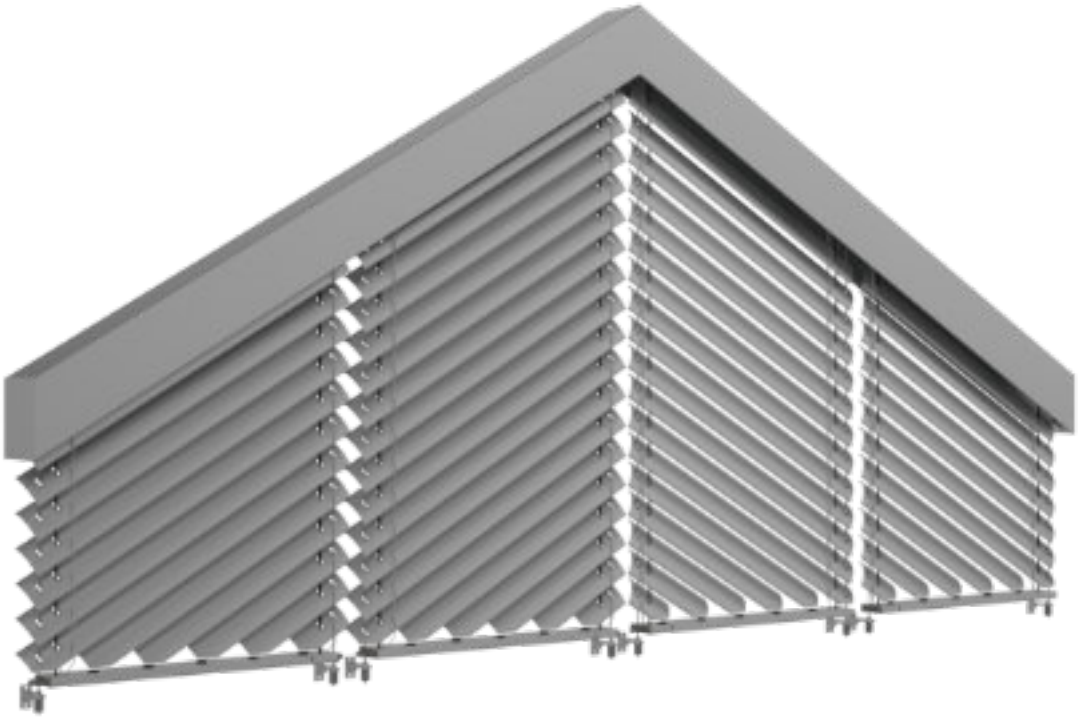
- solution for atypical window shapes
- slat winding at an angle up to the window frame
- low weight of the roll

Controls

- electric
- remote control or power switch

Slat colours

- RAL 7016
- RAL 7022
- VSR 780
- RAL 9016
- RAL 9005M
- RAL 9006
- RAL 7035
- DB 703



CORNER BLIND

...unobstructed view of the landscape.

The Corner exterior blind in a coupled design is the best solution for shading corner portals of houses and buildings.

Among other things, this product solves the problem of shading corner windows without a guide rail remaining in the centre and disturbing the overall view from the interior to the outside after the blind has been pulled up. The slats are connected by a stainless-steel ball chain in a plastic guide. The lower slat profiles are connected with a metal angle piece inserted in a plastic corner. The corner blind can be used for both inner and outer corners, but for a 90° angle only!

Standard dimensions:

CORNER BLIND	WIDTH [mm]		HEIGHT [mm]		AREA [m²]
	min.	max.	min.	max.	motor
WITHOUT MOTOR	600	3 000	500	4 000	7,5
WITH MOTOR	600	3 000	500	4 000	12

Advantages of the CORNER blind

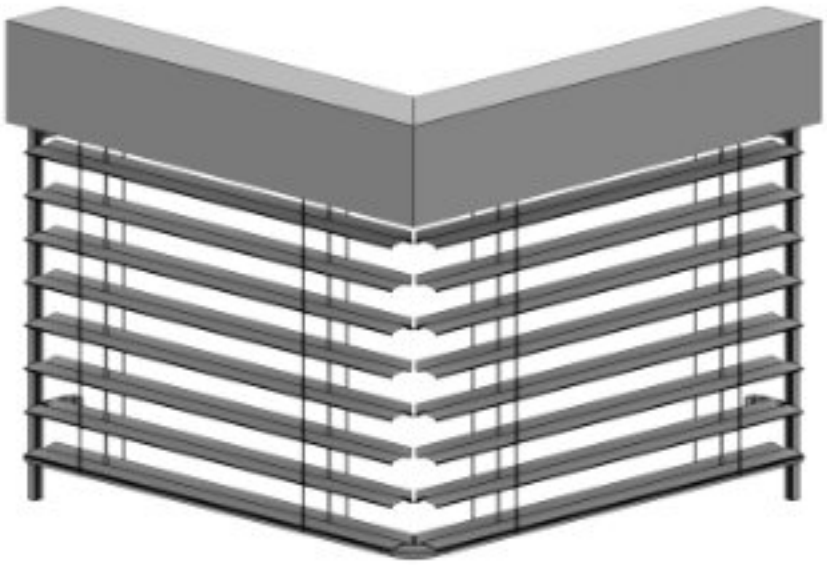
- shading of large corner windows
- no central guide rail
- undisturbed view of the landscape
- one motor for both blinds
- use for both inner and outer corners
- low roll height
- choice of three of slats

Controls

- electric
- remote control or power switch

Intended for the following slats

- Cetta 80
- Cetta 80 Flexi
- Zetta 90



VIVA SELF-SUPPORTING BLIND

...aesthetics and functionality.

The basic elements of the self-supporting blinds are guide rails, on which the entire weight of the armour lies. All types and sizes of slats can be used for this self-supporting blind, except for Cetta 50. An insect screen can also be integrated into them.

The upper profile of the VIVA blind, including the entire slat package, is placed in a pre-assembled box, which has an angular design. The box can be made in two variants – under-plaster or exposed. The under-plaster variant means that the box is "hidden" under the façade, and when the blind is fully retracted into the box, the blind is not visible at all. This design option must be taken into account already during the implementation of the house construction. In the under-plaster version, the VIVA blind box can be provided with 10 mm thick hardened polystyrene at both the front and the back. The box is visible in case of the exposed version.

Standard dimensions:

VIVA	WIDTH [mm]		HEIGHT [mm]		AREA [m²]
	min.	max.	min.	max.	
WITHOUT INSECT SCREEN	600	4 000*	500	4 000	12
WITH INSECT SCREEN	720	1 800	500	2 500	3

* NOTE: For blind widths exceeding 3500 mm, a reinforcing profile is added into the box.

Advantages of the VIVA self-supporting screen

- faster and easier assembly
- high level of shading
- thermoregulatory and protective effect
- decrease in the level of outside noise
- lower profile from the extruded aluminium
- electric control option
- reduced noise emitted by the blind

Controls

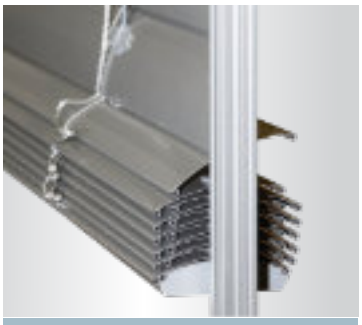
- electric
- remote control or power switch

BLINDS CETTA
DESIGN VERSIONS

SLIM SYSTEM

Design version of the blind Cetta 80

- Meets the low lap height requirement while maintaining the strength of slats,
- specific assembling of slats (side alternating overlap of adjacent slats) with maintaining the possibiity of guiding by strips,
- convenient solution when facing a lack of space for the lap.



SLIM SYSTEM DETAIL

DUO SYSTEM

Design version of the blind Cetta 65, Cetta 80 and Cetta 80-Flexi

- Allows splitting the blind into two parts with different slat tilting,
- provides a much greater variability of shading,
- recommended solution to office buildings, training rooms or conference halls.

DUO SYSTEM

FLEXI SYSTEM

Design version of the blind Cetta 80

- Low lap height in comparison with the blind Cetta 80 achieved by using slats without the longitudinal bend,
- convenient solution when facing a lack of space for the lap.

DUO AND FLEXI SYSTEM DETAIL

SELF-SUPPORTING BLINDS

STS

- Self-supporting option for all type of External Venetian Blinds excluding Cetta 50.
- The maximum width for self-supporting blinds is 4 m. From 2.4 m to 4 m supplemented with a reinforcing profile.
- Installation on facade.
- STS CLASIC
- STS ALUMINIUM
- STS FIX

STS - DETAIL

BRAVO

- Head-rail including slats comes integrated into rounded pelmet.
- Eccentric head-rail placing.
- Suitable for smaller spaces.
- Only motor control.

BRAVO

BRAVO - DETAIL

WINDPROOF EXTERIOR BLIND
WINDSTABIL

- Technological increase in the windscreen resistence parameter via additional strings,
- for exterior blinds Cetta 80 and Zetta 90,
- side line with the guide rail RS75 together with P018/2,
- max width 3 000 mm, max height 3 600 mm,
- max surface for engine drive: 9 m^2,
- wind resistence class 5.

WIND RESISTANCE OF EXTERIOR BLINDS

	Essential characteristics	Performance (according to width of construction hole)								Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 5,0 m	5,0 - 5,5 m	5,5 - 5,8 m	5,8 - 6,0 m	
Cetta 50 - channel	Wind resistance	4/7	3/6	2/5	1/4	0/3	0/2	0/1	0/0	EN 13659/Beaufort
	Max. wind speed	61	49	38	28	19	11	5	1	km/h
	Max. effective height wing	4 000 mm								

	Essential characteristics	Performance (according to width of construction hole)					Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 4,8 m	
Cetta 50 - wire	Wind resistance	1/4	0/3	0/2	0/1	0/0	EN 13659/Beaufort
	Max. wind speed	28	19	11	5	1	km/h
	Max. effective height wing	2 500 mm					

	Essential characteristics	Performance (according to width of construction hole)					Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 4,8 m	
Cetta 50 - wire	Wind resistance	0/3	0/2	0/1	0/0	0/0	EN 13659/Beaufort
	Max. wind speed	19	11	5	1	1	km/h
	Max. effective height wing	4 000 mm					

	Essential characteristics	Performance (according to width of construction hole)								Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 5,0 m	5,0 - 5,5 m	5,5 - 5,8 m	5,8 - 6,0 m	
Cetta 65 - channel	Wind resistance	4/7	3/6	2/5	1/4	0/3	0/2	0/1	0/0	EN 13659/Beaufort
	Max. wind speed	61	49	38	28	19	11	5	1	km/h
	Max. effective height wing	4 000 mm								

	Essential characteristics	Performance (according to width of construction hole)							Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 4,8 m	4,8 - 5,0 m	5,0 - 6,0 m	
Cetta 65 - wire	Wind resistance	3/6	2/5	1/4	0/3	0/2	0/1	0/0	EN 13659/Beaufort
	Max. wind speed	49	38	28	19	11	5	1	km/h
	Max. effective height wing	2 500 mm							

	Essential characteristics	Performance (according to width of construction hole)							Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 4,8 m	4,8 - 5,0 m	5,0 - 6,0 m	
Cetta 65 - wire	Wind resistance	2/5	1/4	0/3	0/2	0/1	0/0	0/0	EN 13659/Beaufort
	Max. wind speed	38	28	19	11	5	0	0	km/h
	Max. effective height wing	4 000 mm							

	Essential characteristics	Performance (according to width of construction hole)								Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 5,0 m	5,0 - 5,5 m	5,5 - 5,8 m	5,8 - 6,0 m	
Setta 65 - channel	Wind resistance	5/8	4/7	3/6	2/5	1/4	0/3	0/2	0/1	EN 13659/Beaufort
	Max. wind speed	74	61	49	38	28	19	11	5	km/h
	Max. effective height wing	4 000 mm								

	Essential characteristics	Performance (according to width of construction hole)						Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 4,8 m	4,8 - 5,0 m	
Setta 65 - wire	Wind resistance	3/6	2/5	1/4	0/3	0/2	0/1	EN 13659/Beaufort
	Max. wind speed	49	38	28	19	11	5	km/h
	Max. effective height wing	2 500 mm						

	Essential characteristics	Performance (according to width of construction hole)						Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 4,8 m	4,8 - 5,0 m	
Setta 65 - wire	Wind resistance	2/5	1/4	0/3	0/2	0/1	0/0	EN 13659/Beaufort
	Max. wind speed	38	28	19	11	5	1	km/h
	Max. effective height wing	4 000 mm						

	Essential characteristics	Performance (according to width of construction hole)								Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 5,0 m	5,0 - 5,5 m	5,5 - 5,8 m	5,8 - 6,0 m	
Setta 90 - channel	Wind resistance	5/8	4/7	3/6	2/5	1/4	0/3	0/2	0/1	EN 13659/Beaufort
	Max. wind speed	74	61	49	38	28	19	11	5	km/h
	Max. effective height wing	4 000 mm								

	Essential characteristics	Performance (according to width of construction hole)							Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 4,8 m	4,8 - 5,0 m	5,0 - 6,0 m	
Setta 90 - wire	Wind resistance	3/6	2/5	1/4	0/3	0/2	0/1	0/0	EN 13659/Beaufort
	Max. wind speed	49	38	28	19	11	5	1	km/h
	Max. effective height wing	2 500 mm							

	Essential characteristics	Performance (according to width of construction hole)							Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 4,8 m	4,8 - 5,0 m	5,0 - 6,0 m	
Setta 90 - wire	Wind resistance	2/5	1/4	0/3	0/2	0/1	0/0	0/0	EN 13659/Beaufort
	Max. wind speed	38	28	19	11	5	1	0	km/h
	Max. effective height wing	4 000 mm							

	Essential characteristics	Performance (according to width of construction hole)								Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 5,0 m	5,0 - 5,5 m	5,5 - 5,8 m	5,8 - 6,0 m	
Zetta 70 - channel	Wind resistance	4/7	3/6	2/5	1/4	0/3	0/2	0/1	0/0	EN 13659/Beaufort
	Max. wind speed	61	49	38	28	19	11	5	1	km/h
	Max. effective height wing	4 000 mm								

	Essential characteristics	Performance (according to width of construction hole)							Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 4,8 m	4,8 - 5,0 m	5,0 - 6,0 m	
Zetta 70 - wire	Wind resistance	3/6	2/5	1/4	0/3	0/2	0/1	0/0	EN 13659/Beaufort
	Max. wind speed	49	38	28	19	11	5	1	km/h
	Max. effective height wing	2 500 mm							

	Essential characteristics	Performance (according to width of construction hole)							Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 4,8 m	4,8 - 5,0 m	5,0 - 6,0 m	
Zetta 70 - wire	Wind resistance	2/5	1/4	0/3	0/2	0/1	0/0	0/0	EN 13659/Beaufort
	Max. wind speed	38	28	19	11	5	1	0	km/h
	Max. effective height wing	4 000 mm							

	Essential characteristics	Performance (according to width of construction hole)							Standard
		Do 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 5,0 m	5,0 - 5,5 m		
Zetta 90 - channel	Wind resistance	5/8	4/7	3/6	2/5	1/4	0/3	0/2	EN 13659/Beaufort
	Max. wind speed	74	61	49	38	28	19	11	km/h
	Max. effective height wing	4 000 mm							

	Essential characteristics	Performance (according to width of construction hole)							Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 4,8 m	4,8 - 5,0 m	5,0 - 6,0 m	
Zetta 90 - wire	Wind resistance	3/6	2/5	1/4	0/3	0/2	0/1	0/0	EN 13659/Beaufort
	Max. wind speed	49	38	28	19	11	5	1	km/h
	Max. effective height wing	2 500 mm							

	Essential characteristics	Performance (according to width of construction hole)							Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 4,8 m	4,8 - 5,0 m	5,0 - 6,0 m	
Zetta 90 - wire	Wind resistance	2/5	1/4	0/3	0/2	0/1	0/0	0/0	EN 13659/Beaufort
	Max. wind speed	38	28	19	11	5	1	0	km/h
	Max. effective height wing	4 000 mm							

WIND RESISTANCE OF EXTERIOR BLINDS

	Essential characteristics	Performance (according to width of construction hole)								Standard
		Up to 1,0 m	1,0 - 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 5,0 m	5,0 - 5,5 m	5,5 - 6,0 m	
Cetta 60 Flexi - channel	Wind resistance	4/7	3/6	2/5	1/4	0/3	0/2	0/1	0/0	EN 13659/Beaufort
	Max. wind speed	61	49	38	28	19	11	5	1	km/h
	Max. effective height wing	4 000 mm								

	Essential characteristics	Performance (according to width of construction hole)						Standard
		Up to 0,8 m	0,8 - 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 4,8 m	
Cetta 60 Flexi - wire	Wind resistance	3/6	2/5	1/4	0/3	0/2	0/1	EN 13659/Beaufort
	Max. wind speed	49	38	28	19	11	5	km/h
	Max. effective height wing	2 500 mm						

	Essential characteristics	Performance (according to width of construction hole)						Standard
		Up to 0,8 m	0,8 - 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 4,8 m	
Cetta 60 Flexi - wire	Wind resistance	2/5	1/4	0/3	0/2	0/1	0/0	EN 13659/Beaufort
	Max. wind speed	38	28	19	11	5	1	km/h
	Max. effective height wing	4 000 mm						

	Essential characteristics	Performance (according to width of construction hole)						Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 5,0 m	5,0 - 6,0 m	
Cetta 80 Flexi - channel	Wind resistance	2/5	1/4	0/3	0/2	0/1	0/0	EN 13659/Beaufort
	Max. wind speed	38	28	19	11	5	1	km/h
	Max. effective height wing	4 000 mm						

	Essential characteristics	Performance (according to width of construction hole)						Standard
		Up to 2,0 m	2,0 - 2,5 m	2,5 - 3,0 m	3,0 - 3,4 m	3,4 - 3,8 m	3,8 - 4,0 m	
Cetta 80 Flexi - wire	Wind resistance	2/5	1/4	0/3	0/2	0/1	0/0	EN 13659/Beaufort
	Max. wind speed	38	28	19	11	5	1	km/h
	Max. effective height wing	2 500 mm						

	Essential characteristics	Performance (according to width of construction hole)						Standard
		Up to 2,0 m	2,0 - 2,5 m	2,5 - 3,0 m	3,0 - 3,4 m	3,4 - 3,8 m	3,8 - 4,0 m	
Cetta 80 Flexi - wire	Wind resistance	1/4	0/3	0/2	0/1	0/0	0/0	EN 13659/Beaufort
	Max. wind speed	28	19	11	5	1	1	km/h
	Max. effective height wing	4 000 mm						

	Essential characteristics	Performance (according to width of construction hole)								Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 5,0 m	5,0 - 5,5 m	5,5 - 5,8 m	5,8 - 6,0 m	
Cetta 80 - channel	Wind resistance	4/7	3/6	2/5	1/4	0/3	0/2	0/1	0/0	EN 13659/Beaufort
	Max. wind speed	61	49	38	28	19	11	5	1	km/h
	Max. effective height wing	4 000 mm								

	Essential characteristics	Performance (according to width of construction hole)							Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 4,8 m	4,8 - 5,0 m	5,0 - 6,0 m	
Cetta 80 - wire	Wind resistance	3/6	2/5	1/4	0/3	0/2	0/1	0/0	EN 13659/Beaufort
	Max. wind speed	49	38	28	19	11	5	1	km/h
	Max. effective height wing	2 500 mm							

	Essential characteristics	Performance (according to width of construction hole)							Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 4,8 m	4,8 - 5,0 m	5,0 - 6,0 m	
Cetta 80 - wire	Wind resistance	2/5	1/4	0/3	0/2	0/1	0/0	0/0	EN 13659/Beaufort
	Max. wind speed	38	28	19	11	5	1	0	km/h
	Max. effective height wing	4 000 mm							

	Essential characteristics	Performance (according to width of construction hole)						Standard
		Up to 0,8 m	0,8 - 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 4,8 m	
Cetta 100 Flexi - wire	Wind resistance	3/6	2/5	1/4	0/3	0/2	0/1	EN 13659/Beaufort
	Max. wind speed	49	38	28	19	11	5	km/h
	Max. effective height wing	2 500 mm						

	Essential characteristics	Performance (according to width of construction hole)						Standard
		Up to 0,8 m	0,8 - 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 4,8 m	
Cetta 100 Flexi - wire	Wind resistance	2/5	1/4	0/3	0/2	0/1	0/0	EN 13659/Beaufort
	Max. wind speed	38	28	19	11	5	1	km/h
	Max. effective height wing	4 000 mm						

	Essential characteristics	Performance (according to width of construction hole)				Standard
		Up to 1,0 m	1,0 - 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	
Cetta 100 Flexi - channel	Wind resistance	4/7	3/6	2/5	1/4	EN 13659/Beaufort
	Max. wind speed	61	49	38	28	km/h
	Max. effective height wing	2 500 mm				

	Essential characteristics	Performance (according to width of construction hole)				Standard
		4,0 - 4,5 m	4,5 - 5,0 m	5,0 - 5,5 m	5,5 - 6,0 m	
Cetta 100 Flexi - channel	Wind resistance	0/3	0/2	0/1	0/0	EN 13659/Beaufort
	Max. wind speed	19	11	5	1	km/h
	Max. effective height wing	4 000 mm				

	Essential characteristics	Performance (according to width of construction hole)	Standard
Titan 90	Wind resistance	6/9	EN 13659/Beaufort
	Max. wind speed	88	km/h

	Essential characteristics	Performance (according to width of construction hole)		Standard
		Up to 2,0 m	2,0 - 2,5 m	
Cetta 80F TE	Wind resistance	2/5	1/4	EN 13659/Beaufort
	Max. wind speed	38	28	km/h
	Max. effective height wing	2 500 mm		

	Essential characteristics	Performance (according to width of construction hole)		Standard
		Up to 2,0 m	2,0 - 2,5 m	
Cetta 80F TE	Wind resistance	1/4	0/3	EN 13659/Beaufort
	Max. wind speed	19	11	km/h
	Max. effective height wing	4 000 mm		

	Essential characteristics	Performance
VIVA	Wind resistance	class 3, 4

	Essential characteristics	Performance (according to width of construction hole)						Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 5,0 m	5,0 - 5,4 m	
Windstabil (Z90, C80)	Wind resistance	5/8	4/7	3/6	2/5	1/4	0/3	EN 13659/Beaufort
	Max. wind speed	74	61	49	38	28	19	km/h
	Max. effective height wing	2 500 mm						

	Essential characteristics	Performance (according to width of construction hole)						Standard
		Up to 2,0 m	2,0 - 3,0 m	3,0 - 4,0 m	4,0 - 4,5 m	4,5 - 5,0 m	5,0 - 5,4 m	
Windstabil (Z90, C80)	Wind resistance	4/7	3/6	2/5	1/4	0/3	0/2	EN 13659/Beaufort
	Max. wind speed	61	49	38	28	19	11	km/h
	Max. effective height wing	4 000 mm						

SLATS COLOURS FOR EXTERIOR BLINDS

BLIND TYPE	SETTA		CETTA					ZETTA		TITAN
	65	90	65	80	60 FLEXI	80 FLEXI	100 FLEXI	70	90	90
RAL 1013		●		●					●	
RAL 1019		●		*					●	
RAL 3004	* *	●	* *	●				* *	●	
RAL 7012		✖		✖					✖	
RAL 7016	●	●	●	●	●	●	●	●	●	●
RAL 7016S	●	●	●	●				●	●	
RAL 7016MT		●							●	
RAL 7021	* *	●	* *	●				* *	●	
RAL 7022	*	●	*	●	●	●	●	*	●	
RAL 7035	●	●	●	●	●	●	●	●	●	
RAL 7038	*	●	*	●				*	●	
RAL 7039		●		●					●	
RAL 7048	●	●	●	●				●	●	✖
RAL 8014	●	●	●	●				●	●	
RAL 8019		●		*					●	
RAL 9005M	●	●	●	●		●	●	●	●	
RAL 9006	●	●	●	●		●	●	●	●	●
RAL 9006S	●	●	●	●				●	●	
RAL 9006MT		●							●	
RAL 9007	●	●	●	●	●		●	●	●	●
RAL 9010	*	●	*	●				*	●	●
RAL 9016	●	●	●	●	●	●	●	●	●	
DB 702	* *	✖	* *	✖				* *	✖	
DB 703	✖	●	✖	●	●	●	●	✖	●	●
VSR 780	●	●	●	●	●	●	●	●	●	
YW 359F		●		●					●	
W 210	* *	✖	* *	✖				* *	✖	

● List price and standard delivery time.

✖ Surcharge as per the price list and standard

* List price and extended delivery time.

* * A surcharge as per the price list and a longer delivery time.

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