

EXTERIOR VENETIAN
BLINDS 50, 80, 100 MM

HELLA

EXTERIOR VENETIAN BLINDS

MODELS EXTERIOR VENETIAN BLINDS 50, 80, 100 MM

AF 50 K | AF 80 K | AF 100 K

Exterior Venetian blind
with lateral tensioning

- Operation: crank handle drive
- Slats: 50, 80 or 100 mm
- Top rail: 58 x 56 mm



AF 50 M | AF 80 M | AF 100 M

Exterior Venetian blind
with lateral tensioning

- Operation: electric drive
- Slats 50, 80 or 100 mm
- Top rail 58 x 56 mm



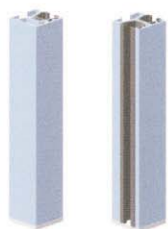
Exterior Venetian blind with side guide rail

- (available for all models with slats of 80 or 100 mm)
- Top rail 58 x 56mm



All models also available with light control function.

SIDE GUIDE RAILS



Square single or double side guide rail, mounted onto the window frame or the facade via distance brackets 27 x 27 mm



Square single side guide rail, mounted onto the window frame or the facade via distance brackets 20 x 27 mm



Square single side guide rail to be mounted laterally in the wall clearance or in the notch on-site.
18 x 20 mm



Round single or double side guide rail, mounted onto the window frame or the facade via distance brackets \varnothing 45 mm



Combi side guide rail 30 x 80 mm (installation onto the window frame or plastered in)

BRACKETS

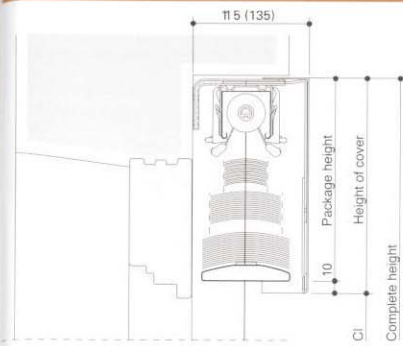


Fixed brackets

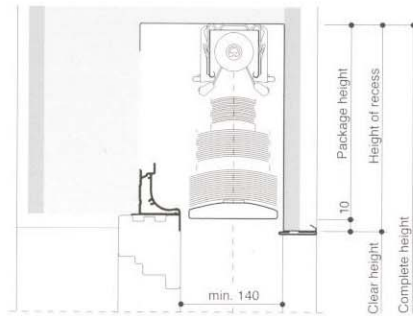


Adjustable bracket

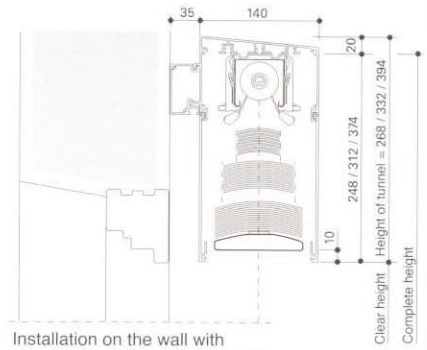
Distance lengths
37-160 mm



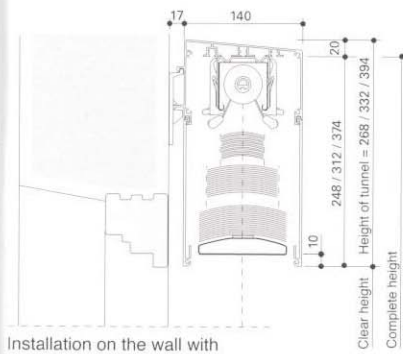
Installation in recess with protection cover



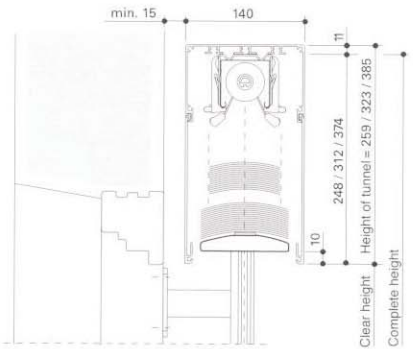
Installation in recess



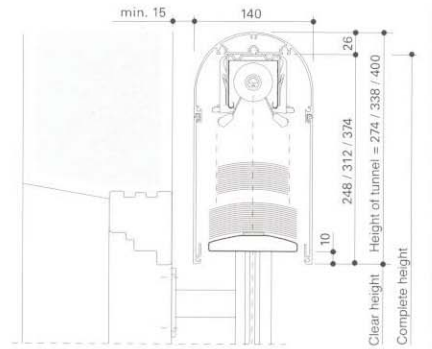
Installation on the wall with facade box and installation profile



Installation on the wall with facade box and box bracket



Installation on the facade with U-box



Installation on the facade with round box

FIELDS OF APPLICATION

Model	Min. width [mm]		Max. width [mm]	Max. height [mm]	Max. surface [m ²]
	without limit stop	with limit stop			
AF 50 K AF 50 K *)	340	360 400	5.000	5.200	20
AF 50 K coupled, 2 blinds			10.000	5.200	18,9
AF 80 K AF 80 K *)	340	360 400	5.000	5.200	14
AF 80 K coupled, 2 blinds			10.000	5.200	12,6
AF 100 K AF 100 K *)	340	360 400	5.000	4.000	14
AF 100 K coupled, 2 blinds			10.000	4.000	12,6

Model	Min. width [mm]		Max. width [mm]	Max. height [mm]	Max. surface [m ²]
	Standard motor	Object motor			
AF 50 M AF 50 M *)	490	490 520	5.000	5.200	20
AF 50 M coupled, 2 blinds AF 50 M coupled, 3 blinds			10.000 15.000	5.200	32,4
AF 80 M AF 80 M *)	490	490 520	5.000	5.200	20
AF 80 M coupled, 2 blinds AF 80 M coupled, 3 blinds			10.000 15.000	5.200	22,5
AF 100 M AF 100 M *)	490	490 520	5.000	4.000	20
AF 100 M coupled, 2 blinds AF 100 M coupled, 3 blinds			10.000 15.000	4.000	22,5

Height of Venetian blind [mm]	Slat width			Slat width		
	50	80	100	50	80	100
	Package height [mm]			Height of cover [mm]		
800	120	120	115	130	130	130
1.200	130	125	125	140	135	135
1.600	145	135	135	155	145	145
2.000	155	145	145	165	155	155
2.400	165	155	150	175	165	160
2.800	175	160	160	185	170	170
3.200	185	170	170	195	180	180
3.600	195	180	180	205	190	190
4.000	210	190	190	220	200	200
4.400	220	200	-	230	210	-
4.800	230	205	-	240	215	-
5.200	240	215	-	250	225	-

*) For Venetian blind with tilting device with working position

The minimum width always applies to the length of the slat; with guide rails add the respective deduction of the side guide rail!

Coupling of max. 3 blinds (max. 2 blinds with crank handle drive or coupling with universal link)!

Roller blinds.

ROLLER BLINDS AR92-S AND AR92-Z

SIDE GUIDE RAILS



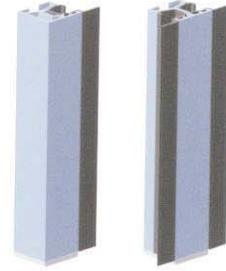
Square single and double side guide rail.
Dim. 27 x 27 mm



Round single and double side guide rail.
Dim. Ø 45 mm



Square single side guide rail, dim. 20 x 27 mm.
(Fig. on the right for slat guide without pins)



Square single and double side guide rail (slat guide without pins)
Dim. 27 x 27 mm



Flush-mounted single side guide rail. Dim. 30 x 80 mm



Square single side guide rail for lateral installation on the brickwork or in the notch on-site.
Dim. 20 x 18 mm

BLIND GUIDING OPTIONS



By means of guide lugs in the lateral guides (guide lugs arranged alternately on both sides) Levering the slats out of the side guide rails is not possible.



Louver guided without lugs. Louver punched and beaded, guided on both sides. Even better blackout effect.



BRACKETS



Fixed bracket



Adjustable bracket
Range of adjustment 37–160 mm

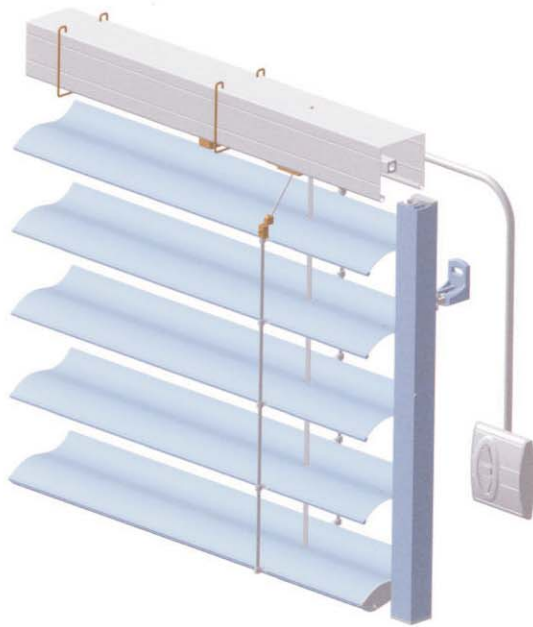


Fig. AR92S with electric drive

Optimum stacking by means of conical cams with chrome steel hooks.

Advantages: perfect closure of the blind, precise folding of carrier band, minimum stacking height, minimum elongation, precise separation of louver



Model AR92-S
with S-shaped aluminium louver

- Louver width 92 mm,
- Louver thickness 0.44 mm



Modell AR92-Z
with Z-shaped aluminium louver

- Louver width 92 mm,
- Louver thickness 0.44 mm

The slats of the roller blinds are made of a highly elastic aluminium special alloy and bordered on both sides.

This means they keep their shape especially well. The slats are reciprocally provided with die-cast zinc guide pins and are guided with plastic inserts in the side guide rails. For better blackout and noise insulation a density profile is rolled in the frontal bordering. Bordered hollow punchings stop the lifting tapes from wearing through.

The bottom rail made of extruded aluminium profile is guided in the rails by guide pins on both sides. Degree of blackout > 90%

The AR92 outdoor blind is the visual and engineering highlight on the sun and weather protection market. It is a real "all-rounder" and ensures optimum indoor climate: it protects against the sun and weather, ensures privacy. Protection from heat by reflection of sunlight before the facade, control of incoming light by means of adjustable louvers. And to avoid disturbing noises the louvers glide through plastic inserts in the lateral guides. The design of the louvers is unique – form and variety of colours make the AR92 an interesting element for facade decoration.

Innovative perfection of function and design.

The AR65 and AR85 roller blinds are classics in this category. And yet, this blind can do more than almost completely black out rooms. It is also well-suited for facade decoration. To say nothing of the technical sophistication these models offer. It's proven technology guarantees long working life and ease of operation.

It's doing pretty well.

ROLLER BLINDS 65 AND 80 MM



Fig. AR80 with electric drive

The slats are made of a highly elastic aluminium special alloy and are convexly-concavely roll formed. This makes them especially dimensionally stable. Bordered hollow punchings stop the lifting tapes from wearing through. The slats are connected by ladder cords made of shrink-resistant terylene-polyester, and reciprocally provided with die-cast zinc guide pins. On both sides, the bottom rail made of extruded aluminium profile is guided in the rails by plastic pins.

If desired, outdoor blinds AR65 and AR85 can also be supplied with light control function.



Model AR65

Convex-concave rolled aluminium louver with two-sided beading.

- Louver width 65 mm,
- Louver thickness 0.44 mm



Model AR80

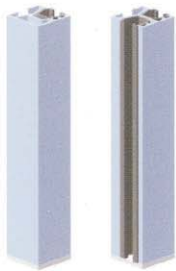
Convex-concave rolled aluminium louver with two-sided beading.

- Louver width 80 mm,
- Louver thickness 0.44 mm



ROLLER BLINDS 65 UND 80 MM

SIDE GUIDE RAILS



Square single and double side guide rail.
Dim. 27 x 27 mm



Round single and double side guide rail.
Dim. Ø 45 mm



Square single side guide rail.
Dim. 20 x 27 mm



Flush-mounted single side guide rail.
Dim. 30 x 80 mm



Square single side guide rail for lateral installation on the brickwork or in the notch on-site.
Dim. 20 x 18 mm.

FIELDS OF APPLICATION

Model	Min. width		Max. width	Max. height	Max. surface
	without limit stop	with limit stop			
Manual operation			[mm]	[mm]	[m ²]
AR 65-K / AR 80-K	300	320	5.000	5.200	14
AR 65-K / AR 80-K*)	340	400	5.000	5.200	14
AR 65-K / AR 80-K, coupled - 2 blinds			10.000	5.200	12,6
Motor operation	Standard motor	Object motor	[mm]	[mm]	[m ²]
AR 65-M / AR 80-M	430	430	5.000	5.200	20
AR 65-M / AR 80-M *)	520	520	5.000	5.200	20
AR 65-M / AR 80-M, coupled - 2 blinds			10.000	5.200	22,5
AR 65-M / AR 80-M, coupled - 3 blinds			15.000	5.200	22,5

* for roller blinds with tilting device with working position (Variotec), concerning
- design with working position
- design with light control function

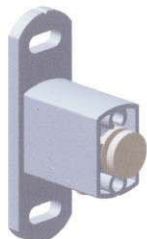
Note: The minimum width always applies to the length of the slat; with guide rails add the respective deduction of the side guide rail (see table).

Coupling of max. 3 blinds (max. 2 blinds with crank handle drive or coupling with universal link)!

CH [mm]	AR 65			AR 80		
	PH	RH, HoC	CIH	PH	RH, HoC	CIH
500	125	135	365	120	130	370
800	145	155	645	140	150	650
1000	155	165	835	145	155	845
1400	180	190	1210	170	180	1220
1800	205	215	1585	190	200	1600
2200	230	240	1960	210	220	1980
2600	255	265	2335	235	245	2355
3000	275	285	2715	250	260	2740
3400	300	310	3090	275	285	3115
3800	325	335	3465	295	305	3495
4200	345	355	3845	315	325	3875
4600	370	380	4220	335	345	4255
5000	395	405	4595	355	365	4635
5200	410	420	4780	370	380	4820

CH Complete height
PH Package height
RH Recess height = PTH + 10 mm
HoC ... Height of cover = PTH + 10 mm
CIH Clear height

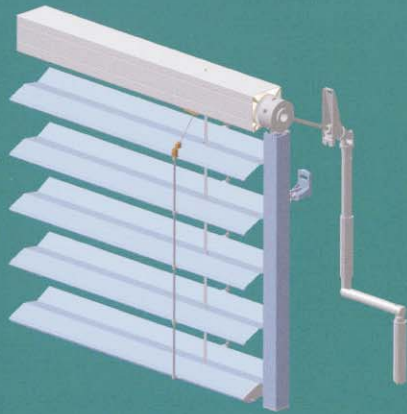
BRACKETS



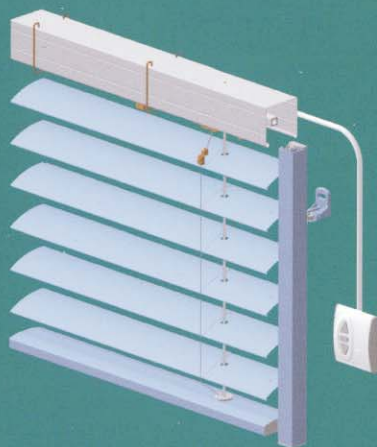
Fixed bracket



Adjustable bracket
Range of adjustment 37–160 mm



The easy to handle crank handle drive.
(Fig. AR92Z)



The convenient and reliable electric drive.
(Fig. AR65)



- Wind and sun automatic device.
- Radio control.
- Central control.

THE COMPREHENSIVE PROGRAMME FROM HELLA

Protection against the sun

- Venetian blinds
- Awnings
- Roller blinds
- Roller shutters
- Facade blinds
- Conservatory blinds
- Insect protection and anti-glare blinds
- Frontage blinds
- Black out elements
- Lintel system HELLA trav for roller shutters, roller blinds and textile shadings – all in combination with insect protection
- Plaster cover system

Special designs

Special constructions

Service

We reserve the right to make modifications in the interests of technical advancement.

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