Faber Minimatic

The Product:

Faber Minimatic is a monocommand venetian blind for interior use. It is based on the patented CTS cord take-up system which can be built into both the classic 25 x 25 mm headrail as well as the 35 x 27 mm headrail used for Faber Softline.

Faber Minimatic is available with 16, 25 or 35 mm slatting and can be supplied with either an adjustment rod, endless ball chain control or electric operation.

Application:

Faber Minimatic can be used for ordinary free hanging venetian blinds where simple operation is required, or possibly in premises where for reasons of hygiene there is a wish to reduce the number of cords.
Faber Minimatic is especially suitable for use between glazing, in double glazed glass partitions or applications where motorised venetian blinds are required.

When Faber Minimatic is used between glazing a far better sunscreening factor is obtained than with ordinary free hanging venetian blinds (please refer to separate data sheet).

With the patented cord take-up system a maximum venetian blind drop of 2.1 and 3.5 m respectively is possible, and with the use of ordinary lifting cord rather than lifting tape the bottom rail will be parallel to the headrail. This also enables Faber Minimatic to be supplied with perforated slats.

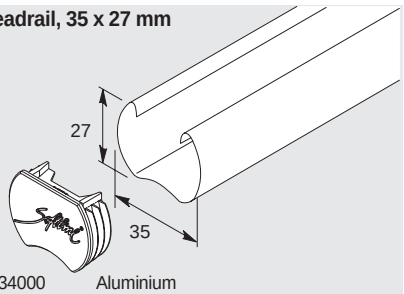
Materials and Construction

Headrail:

Both types – the 25 x 25 mm headrail as well as the patented 35 x 27 mm Faber Softline headrail – are rolled U-shaped profiles with the edges turned-in providing reinforcement to the profile and a secure grip for the fixing brackets and fixing the tiltrod bearings.
The material shall be either 0.4 mm steel or 0.5 mm aluminium. Before roll forming the material shall be chemically pretreated and stove-enamelled to obtain maximum adherence of the paint and resistance to corrosion.

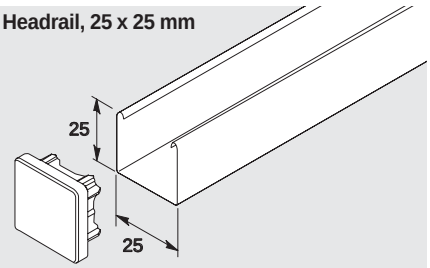
The profile shall be constructed to carry the venetian blind slats, bottom rail and to hold gear, motor, tiltrod bearing and tiltor. Headrail end caps in toning colours can be supplied.

Headrail, 35 x 27 mm



2034000 Aluminium
2034010 Steel
2078116 End cap

Headrail, 25 x 25 mm



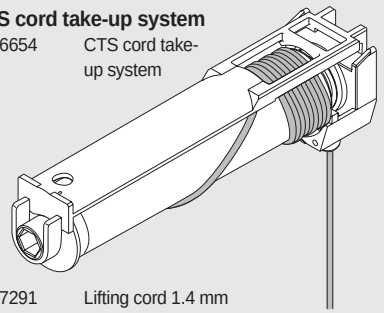
2033000 Aluminium
2033010 Steel
2078123 End cap

Tiltrod Bearing:

Shall be made from transparent plastics and formed so that it can be mounted in an 8 x 18 mm slot in the headrail. The construction is such that only a small part of the tiltrod bearing is visible after mounting. The tiltrod bearing contains a conic cord take-up system which is held in position by means of a cover and an end plug. The conic cord take-up system can wind up Ø1.4 mm lifting cord corresponding to a maximum venetian blind drop of 2.1 and 3.5 m respectively.

CTS cord take-up system

2076654 CTS cord take-up system



2077291 Lifting cord 1.4 mm
2076658 CTS cord take-up system, short

Tiltor:

Faber Minimatic is available with 4 types of tiltor, 2 for rod operation and 2 for ball chain operation.

Rod Operation:
For free hanging venetian blinds an angled gearbox is used, and a gearbox with a straight primary shaft is used for blinds fitted between glazing. The gear has a gear ratio of 1:1.
With free hanging venetian blinds the primary shaft exits the headrail at an angle of 45°, and is activated by means of an adjustment rod with collapsible handle. Venetian blinds fitted between glazing are activated by a flexible spindle which exits through the frame for its operation (please refer to separate data sheet).

Ball Chain Operation:
The gear has a gear ratio of 1:3.5 and is available in two executions i.e. one for front exit and one for end exit.
All gearboxes have a built-in braking system, and for free hanging blinds the gearbox can be fitted on either the right or left hand side of the blind.

Tiltrod:

Shall be a 5 mm hexagonal galvanised steel axle.

Slats:

Shall be of copper free, non corrosive aluminium alloy, width 16 mm, 25 mm or 35 mm; gauge 0.22 mm for 16 and 25 mm slats, and 0.24 mm for 35 mm slats. Before profiling the material shall be chemically pretreated and stove-enamelled to obtain maximum adherence of paint and resistance against corrosion. The enamelled slats shall withstand a 100 hour salt spray test, a 100 hour humidity cabinet test as well as a 100 hour fade-o-meter test with no deterioration of paint. The paint shall be of polyester/melamine stoving type in combination with weather-, light- and UV-stable pigments. Perforated slats are also available, allowing limited light penetration.

Ladderbraids and Lifting Cords:

The lifting cord shall be a 1.4 mm diameter polyester yarn with a reinforced core. The ladderbraid shall be made from polyester yarn.

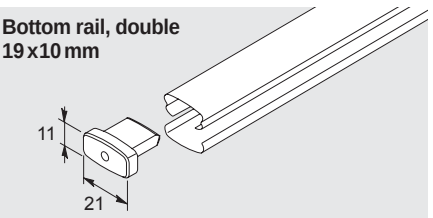
Max. Distance between Tiltrod Bearings	
Slat Width	**Max. Distance**
16	400
25	600
35	800

Number of Ladderbraids/Lifting Cords			
Blind Width	**16 mm**	**25 mm**	**35 mm**
450 - 660	2	2	2
661 - 800	3	2	2
801 - 900	3	3	2
901 - 1100	3	3	3
1101 - 1500	4	3	3
1501 - 1900	5	4	3
1901 - 2100	6	4	4
2101 - 2300	6	5	4
2301 - 2700	7	5	4
2701 - 3000	-	6	5

Bottom Rail:

Shall be made in two rolled open profiles which shall be fitted together. The two profiles shall form a single bottom rail of either 19 x 10 mm or 30 x 12.5 mm. The material shall be steel or aluminium, of a gauge as indicated in the table below. Alternatively, open bottom rails measuring 19.5 x 8 mm and 27 x 7.5 mm are available in steel only.

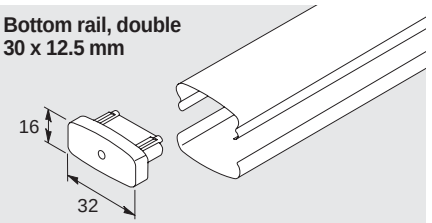
Bottom rail, double 19 x 10 mm



20 58 000 Aluminium
20 58 010 Steel
20 78 117 End cap

Dimension	Material	Thickness Upper Part	Thickness Lower Part
19 x 10	Steel	0.6	0.4
19 x 10	Aluminium	0.75	0.5

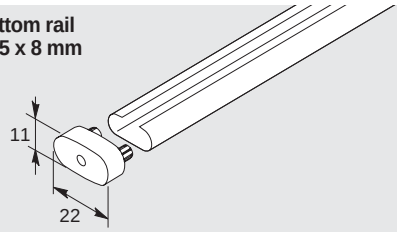
Bottom rail, double 30 x 12.5 mm



2050000 Aluminium
2050010 Steel
2078112 End cap

Dimension	Material	Thickness Upper Part	Thickness Lower Part
30 x 12.5	Steel	0.5	0.4
30 x 12.5	Aluminium	0.5	0.5

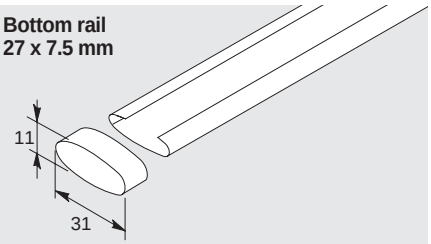
Bottom rail 19.5 x 8 mm



2057010 Steel
2078093 End cap

Dimension	Material	Thickness
19.5 x 8	Steel	0.6

Bottom rail 27 x 7.5 mm



2055010 Steel
2078105 End cap

Dimension	Material	Thickness
27 x 7.5	Steel	0.5

Before roll forming the profiles shall be chemically pretreated and stove-enamelled to obtain maximum adherence of paint and resistance against corrosion.
The profiles shall be designed to contain the fixing components for the lifting cords and ladderbraids. The bottom rail shall be fitted with plastic end caps available in colours toning with the bottom rail.

Operation:

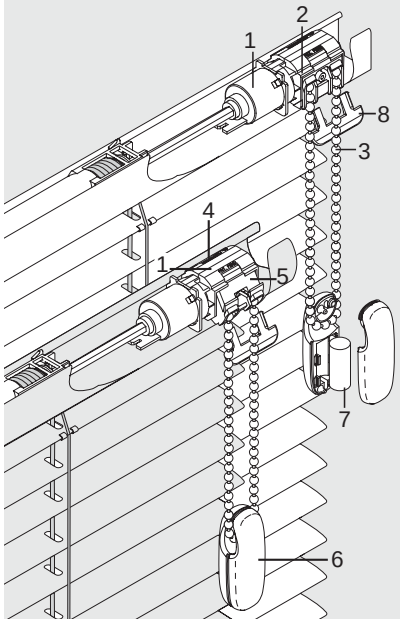
Faber Minimatic is monocommand, i.e. the raising/lowering as well as the tilting of the venetian blind slats shall be achieved by means of a single control device.

Operation can be by adjustment rod, endless ball chain, or motor with switch or remote control. For blinds fitted between glazing a flexible spindle can be used which is connected with an adjustment rod mounted on the frame or wall.

For endless ball chain operation, plastic bead ball chains are available in 8 pre-welded standard lengths in a number of popular colours.

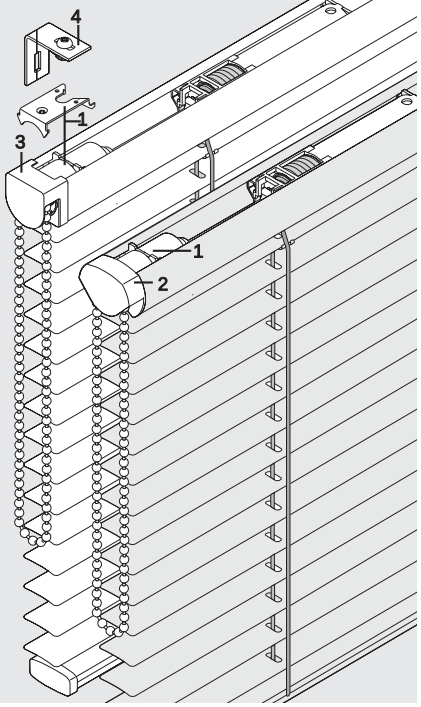
Tiltor for endless ball chain operation, front exit

1: 2076699 Minimatic gear front exit
2: 2076698 Chain protector for 25 x 25 mm headrail
3: 2077685 2077692 Ball chain 4.5 x 6 x 800 mm - 4200 mm
4: 2076704 Lock plate for tiltor
5: 2076697 Chain protector for 35 x 27 mm headrail
6: 2476053- 2476054 Weight for ball chain with Faber logo Weight for ball chain without logo
7: 2476061 Insertion for ball chain
8: 2076717 Adaptor for 35mm slat



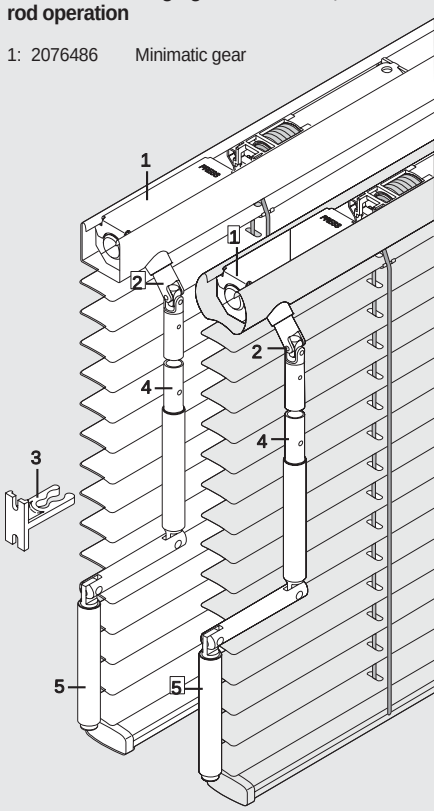
Tiltor for endless ball chain operation, end exit

1: 2076700 Minimatic gear, end exit
2: 2076701 Cover, 35 x 27 mm headrail
3: 2076702 Cover, 25 x 25 mm headrail
4: 2075057 Fixing bracket



Tiltor for free hanging venetian blind, rod operation

1: 2076486 Minimatic gear



2: 2076676 Cardan joint
3: 2076151 Rod holder
4: 2076626-641 Extension tube, Ø10 mm, 500 – 2000 mm length
5: 2076677 Collapsible handle

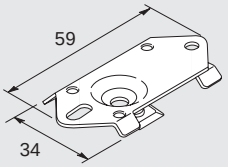
Choice of Ball Chain			
Venetian Blind Drop	Length of Ball Chain (Total)	Art. No.	Drop of Ball Chain + Weight
450 - 600	800	2077685	400
601 - 800	1100	2077686	500
801 - 1000	1400	2077687	700
1001 - 1400	1800	2077688	900
1401 - 1800	2400	2077689	1200
1801 - 2200	3000	2077690	1500
2201 - 2600	3600	2077691	1800
2601 - 3500	4200	2077692	2100

Fixing:

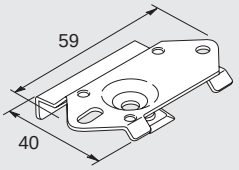
There is a range of different types of fixing brackets, made from galvanised steel. They provide secure, quick and easy fixing of the venetian blind and also allow it to be easily removed for cleaning. The required number of fixing brackets is shown in the table below.

With the exception of the invisible click-in bracket, fixing brackets are available in colours toning with the colour of the headrail.

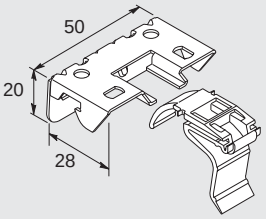
Brackets



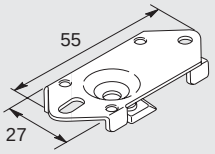
2075146 Ceiling bracket, 35 x 27 mm headrail



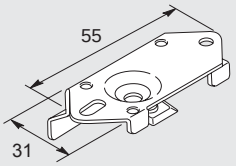
2075145 Ceiling/wall bracket, 35 x 27 mm headrail



2075137 Invisible fixing bracket



2075132 Ceiling bracket, 25 x 25 mm headrail



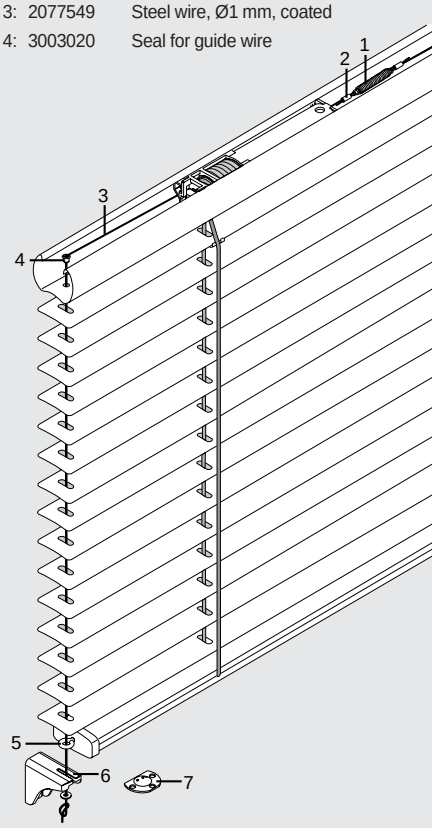
2075131 Ceiling/wall bracket, 25 x 25 mm headrail

Number of Fixing Brackets	
Blind Width	Fixing Brackets
450 - 1200	2
1201 - 2200	3
2201 - 2700	4

Other Features:
Faber Minimatic can be fitted with guide wires which are made from 1 mm plastic coated steel wire.
Guide wires are suitable, for example, where venetian blinds have to be fitted onto doors.

Guide wire

1: 2075153 Tension spring for guide wire
2: 2078037 Wire crimp
3: 2077549 Steel wire, Ø1 mm, coated
4: 3003020 Seal for guide wire



5: 2075165 Eyelet for guide wire
6: 2075183 Holder for guide wire for front fixing
7: 2075151 Clamp plate for recess fixing

Stacking Height			
Blind Drop	**w/16 mm Slats**	**w/25 mm Slats**	**w/35 mm Slats**
1000	80	80	75
1200	90	85	80
1400	100	90	85
1600	110	95	90
1800	115	105	95
2000	120	110	100

Maximum Dimensions								
	Adjustment Rod		**Ball Chain Front Exit**		**Ball Chain End Exit**		**Motor Somfy LV25**	
Slat	16	25-35	16	25-35	16	25-35	16	25-35
Max. Area	5 m^2	5 m^2	5 m^2	5 m^2	5 m^2	5 m^2	3.5 m^2	3.5 m^2
Max. Width	2700	3000	2700	3000	2700	3000	2700	3000
Min. Width	450	450	501	501	380	380	730	590
Max. Drop	2500	3500	2500	3500	2500	3500	2500	3500
Distance to First Tiltrod Bearing	125(450-500) 150(501-3000)		150		90(380-450) 125(450-500) 150(501-3000)		165	

All measurements stated in mm.

As we continue to improve our products, we reserve the right to make alterations without previous notice.