BCS TUBULAR MOTOR mechanical end limit setting

Technical specification:

	torque Nm	rpm	Voltage/Hz	Current(A)	Power/watt	Diameter (mm)	protection	Length (mm)
3416600012	6	28	230V/50	0.53	121	35	IP44	49
3416600016	13	14	230V/50	0.53	121	35	IP44	49
3416600017	6	20	230V/50	0.53	121	35	IP44	58

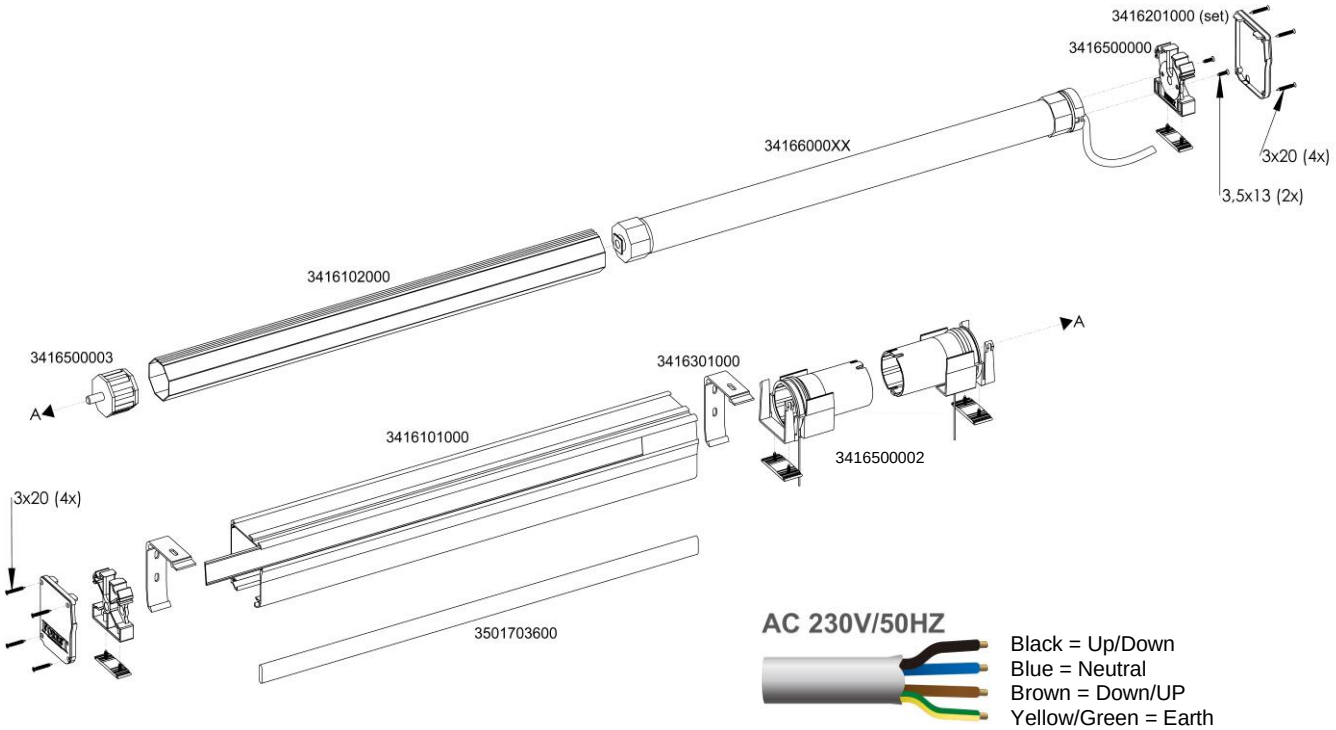
Keep in mind:

- the profile must be cut 1.2 cm shorter than the total width of the system
- the octagonal tube must be cut 6cm shorter than the profile, or 7.2 cm shorter than the total width of the system
- BCS profile length is max. 5,80 mtr. BCS curtain height is max. 5,50 mtr.
- max. weight for one cord roll is 4kg
- total weight of the curtain is 2,5 – 3 kg for each Nm torque of the tubular motor
- use this table to determine the amount of cord rolls:

Tracklength (in cm):	No of cord rolls:		Tracklength (in cm):	No of cord rolls:
0 – 134	3		365-399	8
135-189	4		400-444	9
190-223	5		445-489	10
240-314	6		490-534	11
315-364	7		535-580	12

Assembly of the Blind Contract System

Attach the octagonal adaptors to the tubular motor. Slide the motor into the octagonal tube and operate the motor in one direction until an end position is reached. If metal parts are fixed on the motor head, unscrew and remove these.
Assemble the system according to the exploded view below. The adjustment screws on the motor must be accessible from the lower side. Unwind the cord rolls and make sure all cord rolls are aligned in the same position on the octagonal tube.



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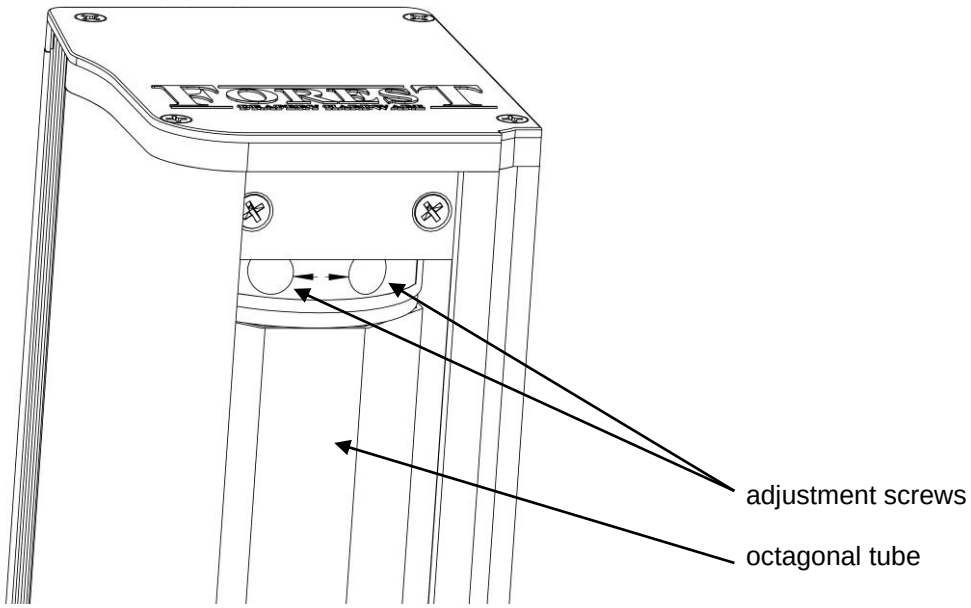
Installing the Blind Contract System

Use one wall/ceiling bracket for every 50-60cm track length.
Mount the system on wall/ceiling and attach the fabric. Attach the snap cord fixers on the cords at the bottom of the blind. Do not cut off the excess cord yet.



Setting the motor end positions

- when the track is pre-assembled the cord is fully unwound (closed blind position). The lower end position is already set.
- Adjusting the upper and lower end positions is done by turning the 2 adjustment screws. Use a 4mm hex key, never a battery screwdriver. Which screw to adjust up and which screw to adjust down depends on the direction of rotation of the octagonal tube.
- One rotation of an adjustment screw is ± 3cm blind height.
- make sure that the cords never hang loose when the motor is running.

Control the blind upwards. Look at the octagonal tube and remember the direction of rotation. Make a mark (with a permanent marker) next to the arrow with this direction of rotation. The screw next to this arrow is the adjustment screw for the upper position.

Adjust the upper end position:
Control the blind upwards. To adjust the upper end position higher, turn the marked adjustment screw to direction +, until the desired height is reached.

If the upper end position is too high, turn the marked adjustment screw to direction -.
Control the blind downwards and upwards again. Repeat until desired height is accomplished.

Adjusting the lower end position:
Control the blind downwards. To adjust the lower end position lower, turn the unmarked adjustment screw to direction +, until the desired height is reached.

If the lower end position is too low, turn the unmarked adjustment screw to direction -. Control the blind upwards and downwards again. Repeat until desired height is reached.

The motor should never make noise when it has stopped in the upper position. This happens when the upper end position is adjusted too high. The motor or cord could break in this case.