

ASSEMBLY INSTRUCTIONS

ELECTRO CURTAIN TRACK SYSTEM 5060

abbreviations used:

width of blind (wb)

length of blind (lb)

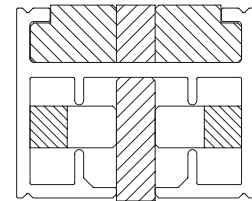
driving side (ds)

non driving side (nds)

Preparing the profiles:

1.

For bent blinds at first please bend the profile with bending machine according to instructions. Before bending you have to fill the overlengthed rail with plastic stripes 505 293 (1) in order to avoid change of the cross section on bending the rail. Further details about bending please find in the instructions of the bending machine. After having bent the rail control measurements and angles and sign rail ending.



(1)

2.

Sawing rail:

cutting measures with single motor: $wb - 102 \text{ mm}$

cutting measures with tandem motor: $wb - 120 \text{ mm}$

The width of a bent blind corresponds to the width of the not bent blind (rail + gear).

Remove sawdust out of the rail and also keep the sawing table clean in order to avoid nickings.

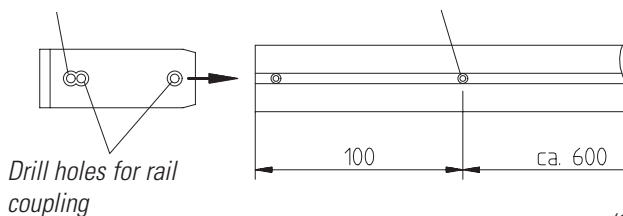
3.

Drilling rail:

Please use drilling template 505 026 for drilling the holes to fasten the gear and counter bearing. Insert drilling template completely into the rail (2) and mark the drilling position without slipping the template. Then remove template and drill holes for countersunk screw with 3,2/5,3 Ø gradual drilling machine (301 309). On drilling holes for rail connection ($wb > 7000 \text{ mm}$) proceed in a similar manner. Distances for mounting drill holes, if necessary: see (2). Avoid damages on rail aperture through drilling machine. When drilling the holes, please see to it that they are deep enough in order to avoid outstanding screw heads.

Drill hole for rail gear and counterbearing

Drill hole for mounting with counter sunk screw



(2)

4.

After finishing the drilling and bending process, remove saw dust and burrs and clean rail with an adequate cleansing agent.

Assembling of runner rail:

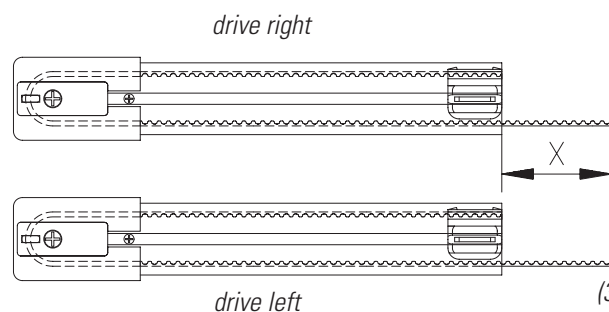
5.

For assembling process, lay down rail on its rear side.

Coupled rails ($wb > 7000 \text{ mm}$) initially have to be screwed together per rail connector. For this please use countersunk screw 2,9 x 9,5 mm (505 034).

Toothed belt drive, one-part fabric:

Insert toothed belt for left and also for right curtain tracks into the left outer channel of the rail profile until it juts at the other end out of the rail a couple of centimeters. Now lead end of toothed belt through counter bearing (for tandem units rail gear) and plug a drive runner flush on at the end. Insert drive runner into the rail and plug counter bearing on at the rail end.



(3)

ASSEMBLY INSTRUCTIONS

ELECTRO CURTAIN TRACK SYSTEM 5060

Tear drive runner unit through rail by means of a mounting hook 301 463 until a flush top rail position (3). Measure the correct length of toothed belt and cut it correspondingly by means of a side cutter:

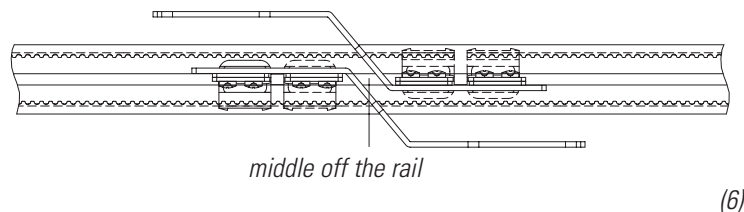
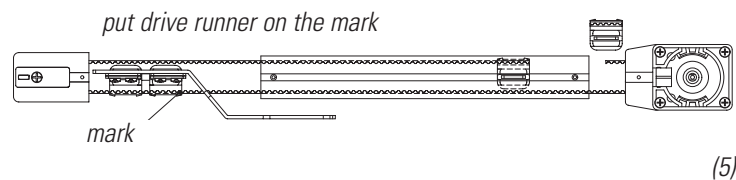
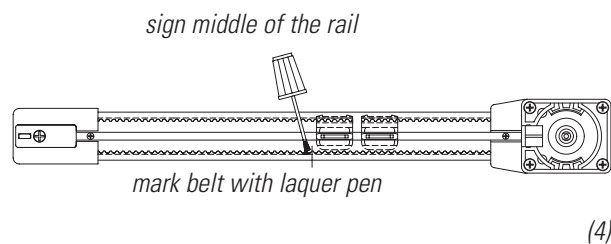
length of blind up to 7000 mm overlapping at the rail end (ds) 97 mm
 length of blind exceeding 7000 mm overlapping at the rail end (ds) 93 mm

Once cut to the right measure, you may now put on the rail gear in its position: tear out the outstanding end of the tape a bit more, lead it through the rail gear and plug a second drive runner flush on at the end. Insert the drive runner into the rail and plug on the gear.

The toothed belt length is measured in a right way when the drive runners are standing at 6 to 8 mm to each other.

Toothed belt drive, two-part fabric:

Proceed as described for "one-part fabric". Then sign the middle of the rail with a pencil and tear drive runner exactly to the middle of the rail (4). Then sign this center position on the belt by means of a laquer pen (remove overrun colour). Now remove rail gear and counter bearing and plug in nds-drive runner with traverse joint exactly at the sign you previously made with the laquer pen (5). Then, by means of the mounting hooks, move the drive runners towards each other, plug on rail gear and counter bearing again and assemble ds-drive runner with traverse joint, fix with clip. Finally, move both drive runners with traverse joint to the middle: both traverse joints meet exactly in the middle (6).



Advice: According to operating side, insert left or right traverse joint, in case of center closing blinds, use two left or two right traverse joints. The edge of the traverse joint always shows to nds-side respectively in case of center closing blinds to the middle of the rail.

6.

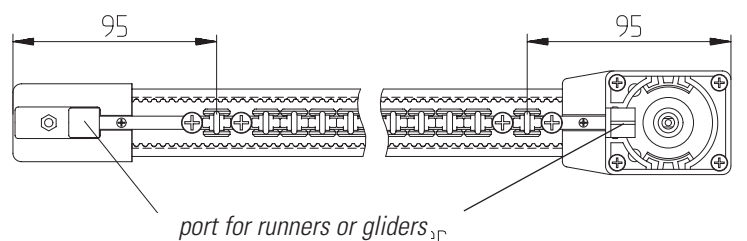
Fix rail gear, counter bearing (in case of tandem motor: two rail gears) and rail profile from inside with one countersunk screw each, 2,9 x 9,5.

7.

If necessary, tear traverse joint away from ds gear by hand so that the runners can be inserted.

8.

Insert the corresponding number of drive runners or gliders (type of runner depends on type of blind) through gear aperture into the rail. In case of center closing blinds, remove cover of counter bearing at nds-side. Fix the very first roller or glider at ds-side and nds-side at 95 mm by means of a locking device (7). Insert the locking devices in the same way as the runners or gliders: through aperture of gear. After this process, screw cover of counter bearing on again.



(7)

ASSEMBLY INSTRUCTIONS

ELECTRO CURTAIN TRACK SYSTEM 5060

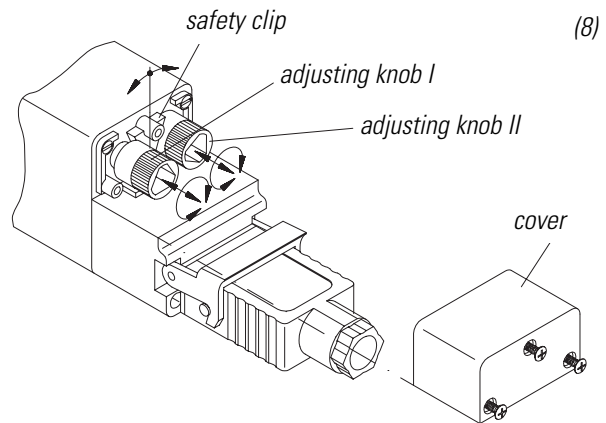
Motor adjustment

9.

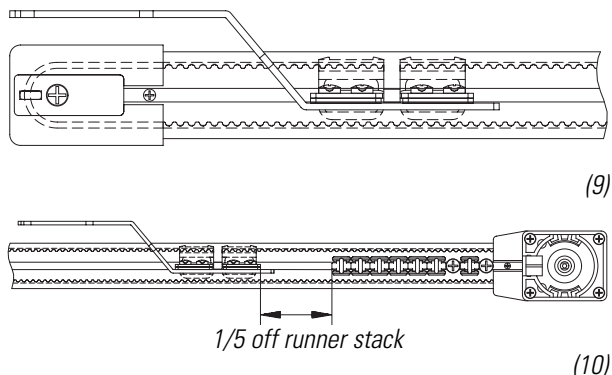
Fix motor at rail gear by quarter turn and close locking bolt halfway. In case of tandem drive systems only the pilot motor is to be adjusted. Remove cover of pilot motor (8) and connect motor with supply line. Power supply must be assured before initial operation of the motor.

10.

Activate operating switch. Chose switch position "curtain closed". Observe sense of rotation of adjusting knob and wait until motor switches off. One of the both cam switches has now snapped in. Loosen safety lock sideways and push down the adjusting knob of this cam switch and turn it back with a half turn opposite to sense of rotation. The motor starts again. Let the blind drive on until the position "close curtain" is reached (9). Now turn the adjusting knob in sense of rotation until the cam switch is snapping in (you will see it snap in and hear a "click"). Exactly after the "click", lift on the adjusting knob carefully (take care that the knob's adjustment keeps in its position) and keep it lifted by removing the safety lock back into its center position. The final position "close curtain" is now adjusted and can be tested by restarting the system.



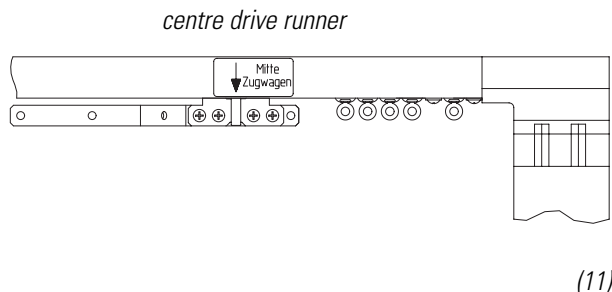
Now activate blind until final position "open curtain" (stack position) is reached. At this stack position, about 20 % free space should remain between last roller and drive runner (10). Sign this measure with a pencil on rail. On activating operation, also observe sense of rotation of the adjusting knobs. Once the desired position is reached, lift safety lock sideways and push down the second adjusting knob. Now turn the adjusting knob also in sense of rotation until the cam switch is snapping in (you will see it snap in and hear a "click"). Lift on the adjusting knob carefully (take care that the knob's adjustment keeps in its position) and keep it lifted by removing the safety lock into its center position. The final position is now adjusted and can be tested by restarting the system.



Should the motor stop before reaching the final position (stack position), push down the corresponding adjusting knob and restart motor by slightly turning the knob against sense of rotation until position is reached. In case of center closing blinds, proceed as per illustration (6) to adjust the final position "close curtain".

11.

Open the blind completely (traverse joints at bundle position). Then stick on a red adhesive label "center position traverse joint" inside the rail. The arrow shows the position of the safety clip of the drive runner unit (11). In case of tandem drive systems, please stick one adhesive label for each motor and the corresponding rail gear at their determined positions, on the face of the rail, while signing the pilot motor with an "a" and the motor without final position with a "b".



ASSEMBLY INSTRUCTIONS

ELECTRO CURTAIN TRACK SYSTEM 5060

Accessories, mounting material
12.

Removing of the motor: open the bar of the motor, try to find out the moving direction of the traverse joint by turning the motor slightly into both senses. The motor must be removed in a way that the traverse joint running direction is towards the non-driving side. On turning out the traverse joint, support it with your hand so that alterations of the motor adjustment don't occur.

The complete assembling of the blind is now finished.

*Replace the blind into the adequate styrofoam box.
Take care that the following mounting accessories are complete, i. e.*

per drive unit:

- 1 connecting coupling*
- 1 clamp*
- 1 fixing device for drapery*
- 1 folder "technical instructions electric drive units"*
- 1 folder "mounting instructions curtain track system 5060/5065"*

Mounting material according to order:

<i>mounting screw 2,9 x 32 mm</i>		<i>505 030</i>
<i>clamping piece for ceiling mounting</i>		<i>505 040</i>
<i>adjustable mounting angle with clamping piece,</i>	<i>white, short</i>	<i>505 770</i>
	<i>white, long</i>	<i>505 771</i>
	<i>galvanized, short</i>	<i>505 774</i>
	<i>galvanized, long</i>	<i>505 775</i>

Last step for curtain track systems with rail connectors: you have to remove the traverse joint at ds-side and unscrew the screws of the rail connector on one side. The single rails can now be separated and put together carefully for transportation purpose. Take care and do not damage the transportation tape! Attach the traverse joint.