

3. The Movorail rails

3.1 Rails

There are five different straight rail sizes, SPR 85, SPR 125, SPR160A, SPR295B (with reinforcement profile) and SPR295W (with welded reinforcement profile). Further to this sizes 85, 125 and 160A also comes in a curved versions (SPB). The reinforcement profile SPF 135 can also be delivered separately and be installed afterwards on top of a SPR 160A with the aid of the T-slot profile TSS to create a rail of type SPR295B. The max. allowed load for each profile depends on the distance between the suspensions, see point 18.3.

For installations to the T-slots of the rails there is a series of T-slot bolts in different lengths. Size TBM 8 is used for SPR 85 while TBM 12 is used for the others. Note! Only this type of bolt may be used for attachments to the rail T-slots.

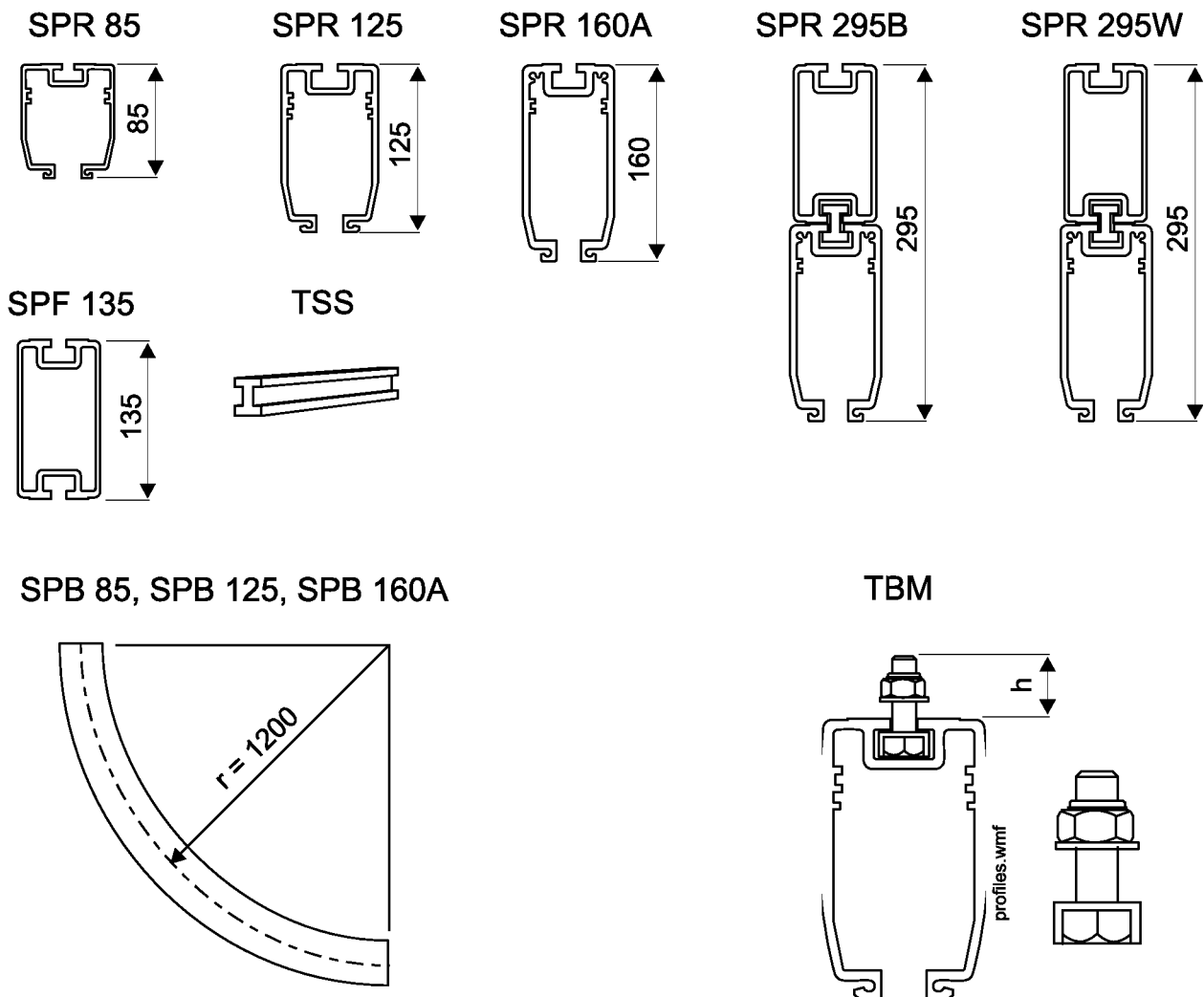


Figure 3: profiles and T-slot bolts

3.2 Attachment of reinforcement profile type SPF 135

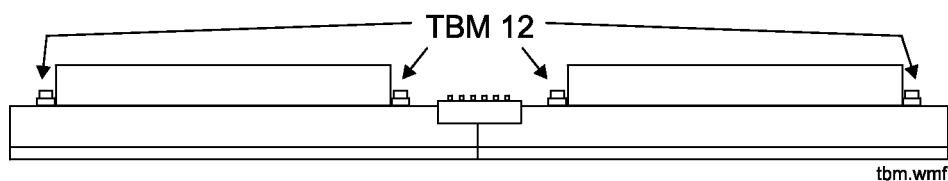


Figure 4: how to secure the T-slot profile

At SPR295B or at installation of reinforcement profile in the reinforcement profile must be fixed so that it can not move. Installing T-slot bolts on both sides of the reinforcement profile prevents it from moving.

4. Connection of rails

4.1 Connection of straight rails type SPR

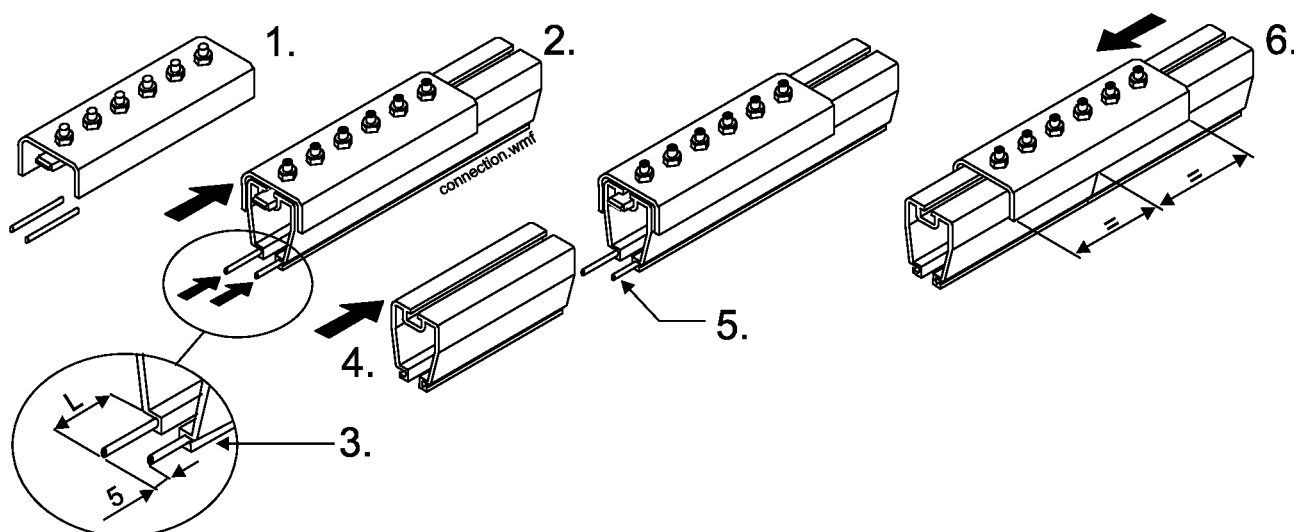


Figure 5: connection of straight rails

1. Assemble the connection.
2. Push the connection on to the rail.
3. Glue the locating pins to the rail using the glue supplied with the connection. Also see below table.
4. Push the other rail on to the locating pins.
5. Do not glue the locating pins in this end!
6. Pull over the connection (6) from the first rail to the other until the connection is exactly in the middle and then tighten all bolts according to the table in point 18.2. Note! Keep in mind that each connection must be supported by a suspension.

	SPR 85	SPR 125 / SPR 160A / SPR 295B / SPR 295W
L (mm)	30	40

Table 1: projecting length of the locating pins

4.2 Connection of curves type SPB

Connection of curves is done the same way as for straight but with special curve connections (SK 85R/B and SK 125/160AR/B). Note! Keep in mind that both the connections and the curve must be supported by a suspension. This means that at least three suspensions must be used per curve.

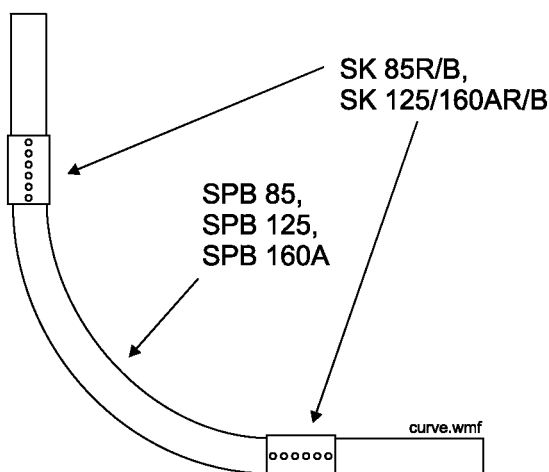


Figure 6: connection of curved rails