

Product information and installation instructions for sway struts Fig. 211L

1. Application

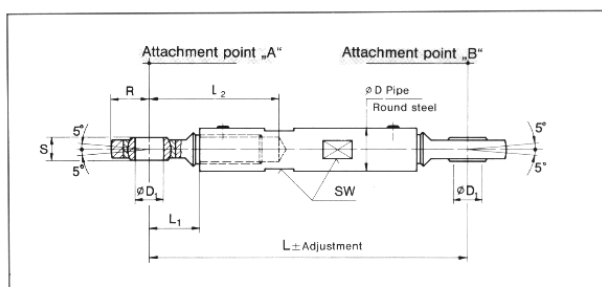
Sway struts are used **as compression-tension element mainly to reduce dynamic loads**. Sway struts can **also be used as pipe guide** in order to avoid expensive steel constructions.

2. Function

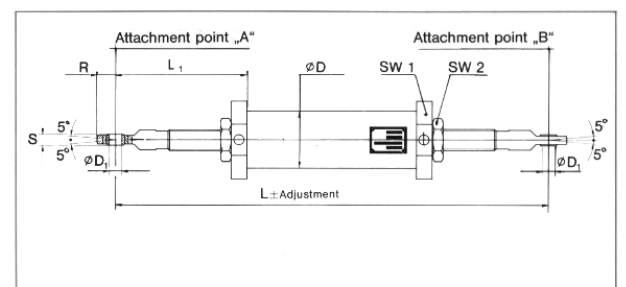
The sway struts consist of one middle part with two rod eyes. Each sway strut possesses a right-hand thread and a left-hand thread. The sway struts can be adjusted over those threads for compensation of the constructional tolerances.

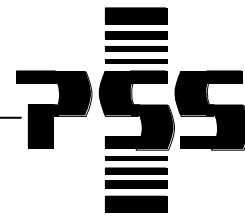
General drawings sway strut

Type E1



Type E2





3. Assembly instructions

The assembly of the sway struts has to be made in a way that the following points are fulfilled:

- The deflection may not exceed the following values to the axis of the connection bolt:
In the bolt axis +/- 5°
Perpendicular to the bolt axis +/- 70°
- The min. and max. insertion length of the sway strut shown in our catalogue may not be exceeded.
- The tie rods and the rod eyes are marked with red color. The red color may not be visible after adjustment of the sway strut to its insertion length.
- After adjustment of the sway struts to their final insertion length, the lock nuts have to be secured with the following tightening torques:

Size A	Max. Tightening torque	21	Nm
Size B	Max. Tightening torque	56	Nm
Size C	Max. Tightening torque	278	Nm
Size D	Max. Tightening torque	392	Nm
Size E	Max. Tightening torque	680	Nm
Size F	Max. Tightening torque	1456	Nm
Size G	Max. Tightening torque	2888	Nm
Size H	Max. Tightening torque	4689	Nm
Size I	Max. Tightening torque	8181	Nm

- Please ensure that concerning the sway struts E2 the rod eye with its surface sits close to the shoulder of the threaded rod.