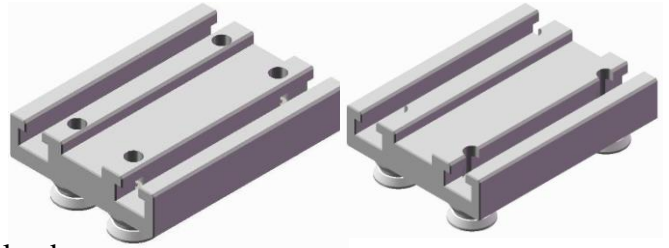


Usage

The guide slides FSR 12-21 and FSR 12-22 are used in conjunction with the linear guide LFS 12 as backlash-free trolley for a wide range of transport tasks.



This simplest structured guide slides with hardened rollers are used, where easy guide tasks have to be solved and no increased demands on the stiffness and load capacity are laid.

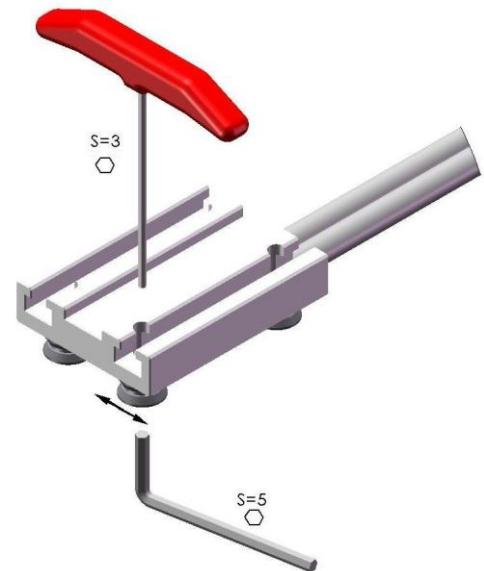
The flat milled aluminum base bodies offers universal mounting options of transport loads due to their T-slots.

Installation

The guide slides from isel are ready assembled units for steel shaft guides with one (FSR 12-21) or two (FSR 12-22) hardened steel shafts Ø12h6.

If necessary, clean the steel shafts and rollers from dust and other contaminants. Sit the trolley in front of the steel shaft guide and slide it gently on the shaft (s) on.

If the guide slide does not run satisfactorily, you should readjust the roles. To do this, remove the trolley return from the guide and loosen the fastening screws one side of the trolley. With lateral pressure you can change the distance and thus the bias or the game of the slide. The best results are obtained, if you adjust each pair of the rollers individually and slide it onto the shaft (s).



Repeat this process until the slide runs backlash-free and smooth-running.

After a run-in phase of the slides, the bias may be decreased as a result of normal deterioration depending on the load profile and the environmental conditions

This will require a further cleaning, readjusting of the rollers and lubricate the raceway.



Note, that a too high bias can lead to increased rolling resistance, noise and significantly reduced life span.



Crushing hazard

Make sure during the installation and the operation for sufficient protection against crushing!

The steel shafts and rollers are preserved with oil upon delivery. This oil needn't to be removed as long as the parts are not soiled. The rollers, on the basis of two-row deep groove ball bearings, are lubricated for life and require no further lubrication.

Dry running is possible, but leads to an increased wear, fretting corrosion and considerably lower operating life.

FSR 12-21

FSR 12-22

	FSR 12-21	FSR 12-22
C0	1100 N	1100 N
C	2500 N	2500 N
F1 static	2200 N	2200 N
F1 dynamic	2099 N	2099 N
F2 static	1100 N	1100 N
F2 dynamic	2500 N	2500 N
Mx static	-	45.3 Nm
My static	82.5 Nm	82.5 Nm
Mz static	41.2 Nm	41.2 Nm
Mx dynamic	-	43.2 Nm
My dynamic	78.7 Nm	78.7 Nm
Mz dynamic	93.7 Nm	93.7 Nm
Weight	0.23 kg	0.27 kg
Numbers of rollers	4	4
V max.	10 m/s	10 m/s

