

OVERVIEW OF VARIFIX® INSTALLATION RAILS

Selection

Varifix® mounting rails

The specified data is based on a simple beam with an individual load of F [kN] in the centre of the beam (including its own load) and a simple beam with a distributed load or three identical loads.

Individual load / total load

If several different individual loads act on a simple beam (cross-member) and are unevenly spaced, they can be added together and taken as an approximate central individual load.

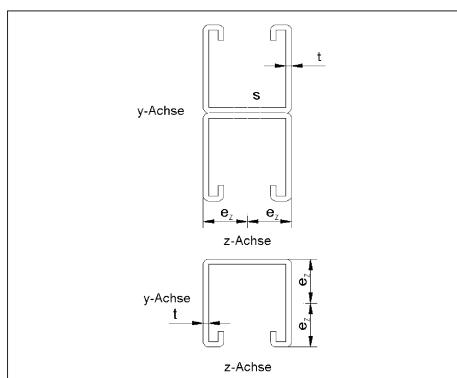
Sag evaluation

The specified sag is to be evaluated visually in each individual case!

3 Individual loads / total load

If more than three almost identical individual loads act on a simple beam at approximately the same distance, a weight distribution for three identical individual loads $1/3 F$ with four identical spacings $1/4 L$ can be applied from the total load F .

Coordinate system



Technical data

Yield stress R_e or $R_{p0.2}$

280 N/mm²,
except 40/45, 420-520 N/mm²

a safety coefficient total of
1.5,

one Elastic modulus =
210,000 N/mm²,

and a maximum sag of
 $f_{perm.} = L/200$ taken into account.

The double-profile rails are individual rails with a substance-to-substance resistance welding bond.

Fastening examples for Varifix® rails



Fastening with plastic frame anchor W-UR for C-rail 26/18



Fastening with mounting rail screw type MS for C-rail 26/18

