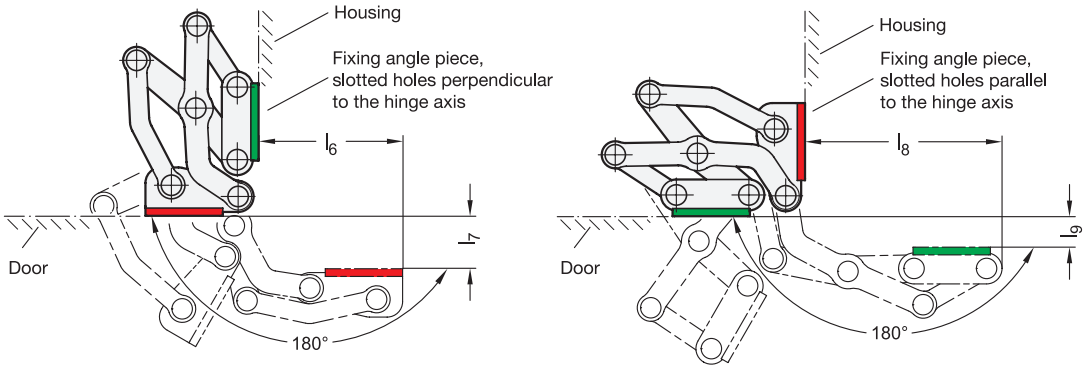
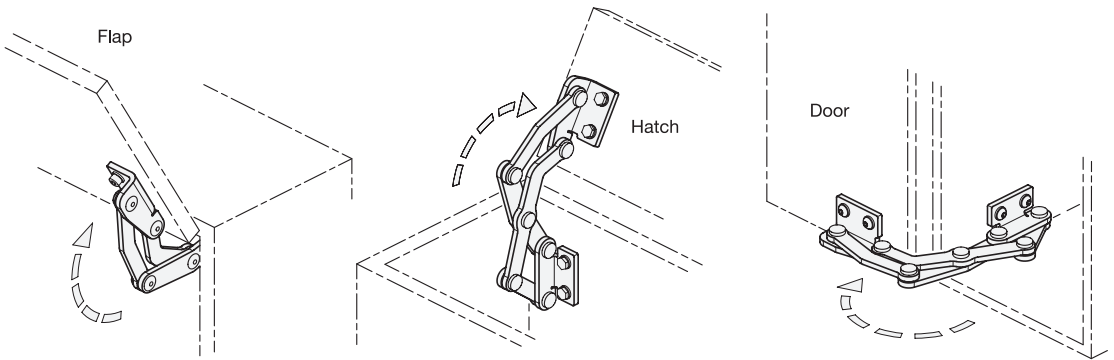


Installation position – pivot characteristics

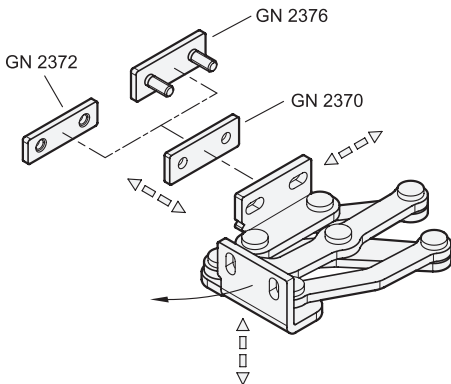
The Stainless Steel-Multiple-joint hinges can be installed to the housing either with slotted holes on the fixing angle piece that are either perpendicular or parallel to the hinge axis. This results in the two pivot characteristics depicted.



Application examples



Adjustment and fastening options



The Stainless Steel-Multiple-joint hinges can be adjusted in three planes during installation. For example, this allows adjustment for tolerances or establishing of required compressive forces for seals.

Two planes can be adjusted via parallel or perpendicular slotted holes in the fixing angle pieces. In the third plane, position corrections can be made using the Stainless Steel-Spacer plates GN 2370.

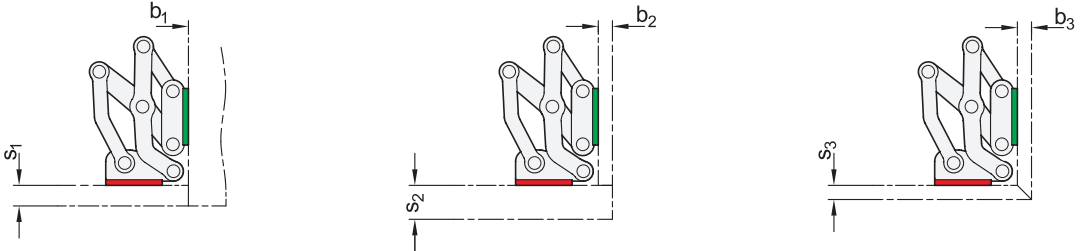
Stainless Steel-Plates with tapped holes GN 2372 as well as Stainless Steel-Plates with threaded studs GN 2376 are also available for fastening the hinges. The latter can be welded on or inserted through the wall from the outside and fastened in place. All accessory items are designed for use with both fixing angle pieces.



Design variants

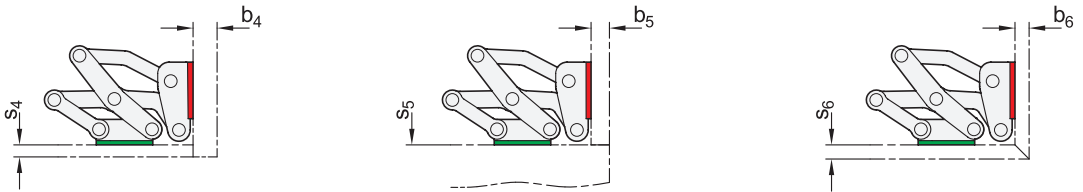
Flaps, hatches and doors can be inset, surface-mounted or mitered. The maximum wall thicknesses and bend sizes for planned sheet metal constructions arise from the respective installation type.

1. Fixing angle pieces mounted to the housing with slotted holes perpendicular to the hinge axis:



l_1	s_1 max.	b_1	s_2 max.	b_2 max.	s_3 max.	b_3 max.
40	13	1 ... ∞	24	10	10	10
50	19	1 ... ∞	34	17	16	16
60	25	1 ... ∞	44	24	21	21

2. Fixing angle pieces mounted to the housing with slotted holes parallel to the hinge axis:

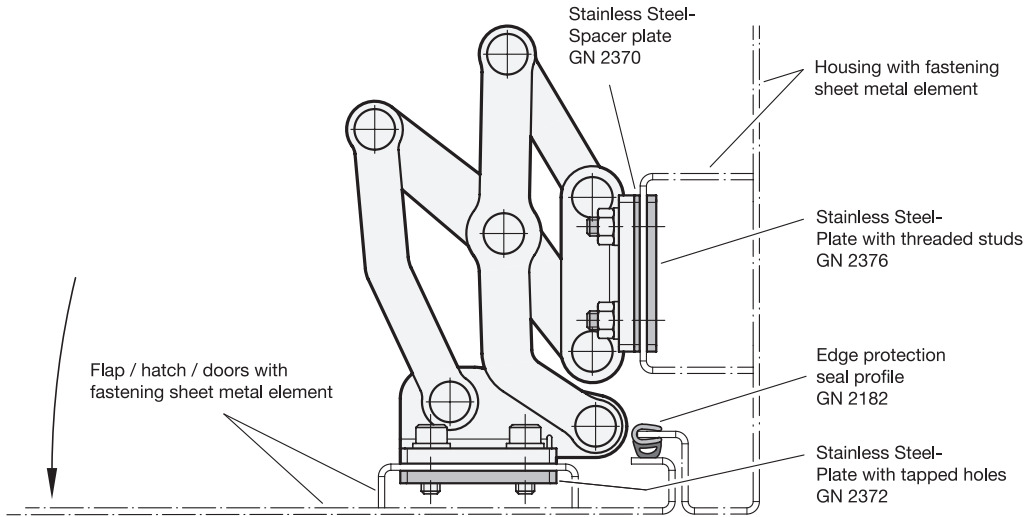


l_1	s_4 max.	b_4 max.	s_5	b_5 max.	s_6 max.	b_6 max.
40	9	27	1 ... ∞	13	10	10
50	17	35	1 ... ∞	19	16	16
60	23	45	1 ... ∞	25	21	21

The design variants shown represent standard installation conditions. If the installation position of the hinge is changed or one of the two wall thickness dimensions s or b are lower, the maximum achievable dimensions change independently of each other. This makes it possible in some cases to work with larger wall thickness dimensions than those specified with the same hinge size. A simple design check via CAD or a test setup is therefore recommended.

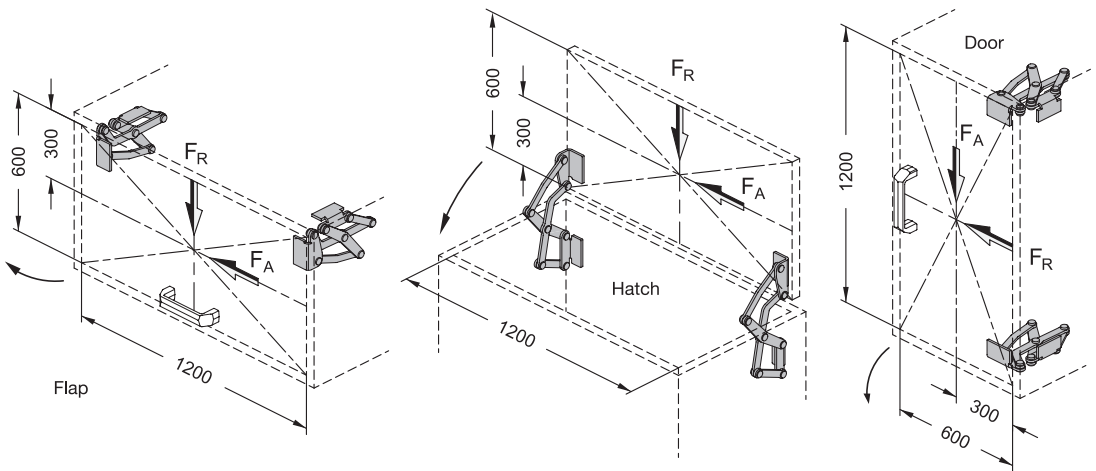


Construction assembly



Load capacity

The maximum load of the Stainless Steel-Multiple-joint hinges specified below applies to the standard use cases and serves for orientation in the case of deviating applications. The resulting forces lead to slight elastic deformation, which can be compensated for by means of the adjustment options, if necessary.



Load capacity per hinge pair in N			
I_1	F_A (axial)	F_R (radial)	
40	125	450	
50	125	600	
60	125	450	