INOX STAINLESS STEEL RoHS

MATERIAL
AISI 304 stainless steel, matte finish.

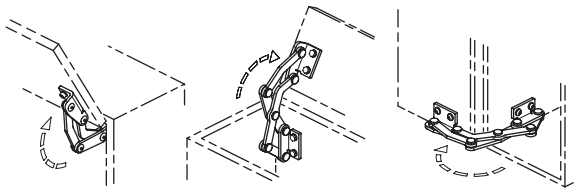
FRICTION BEARINGS
Self-lubricating bronze.

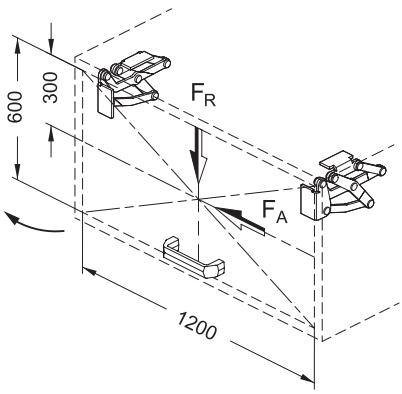
STANDARD EXECUTIONS
- **GN 7237-L**: left fixing.
- **GN 7237-R**: right fixing.

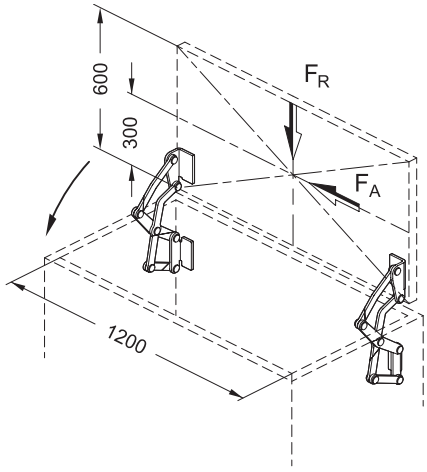
TECHNICAL DATA
The maximum load of the multiple joint hinges shown below applies in normal conditions of use and serves as a guide for other applications. The resulting force results in a slight elastic deformation that can be offset using the adjustment options where necessary.

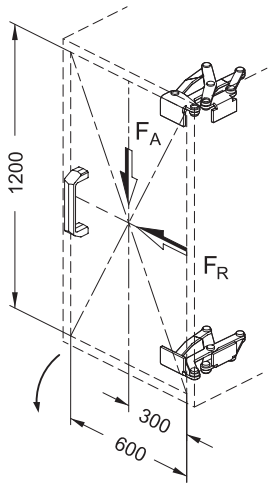
FEATURES AND APPLICATIONS
GN 7237 pantograph jointed hinges are installed internally to the doors, shutters, or airtight containers, saving space and protecting against acts of vandalism.
They have a 180° maximum angle of opening, which provides optimal accessibility and avoids blocking open door emergency exits.
The GN 7237 hinges are usually used in pairs. This means that for the opening of one door, a GN 7237-L hinge and a GN 7237-R hinge are used.
For increased loads, for example a large size door, they can be used with additional hinges of both types.

SPECIAL EXECUTION ON REQUEST
- Multiple joint hinges in various materials and/or finishes.
- Other opening angles.
- Various mounting bases.
- Other raising movements.
- With pneumatic spring connection.





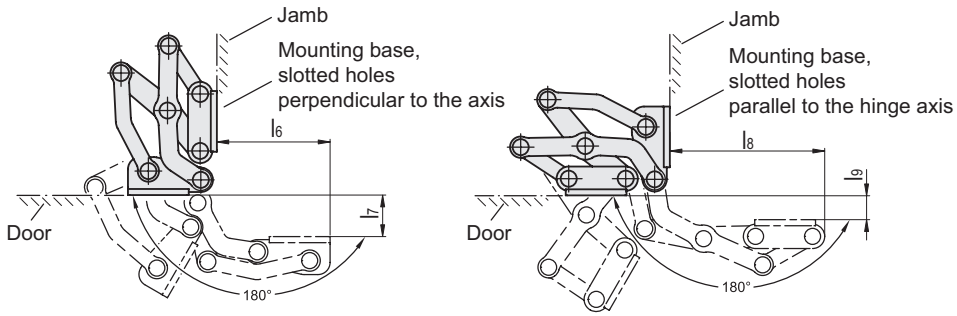


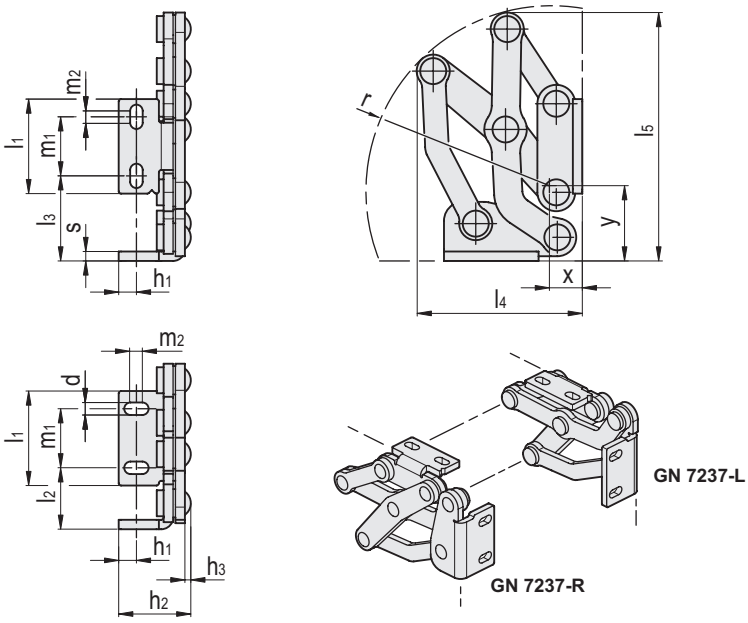


Resistance tests	Axial Stress	Radial Stress
Description	FA [N]	Fr [N]
GN 7237-40	175	650
GN 7237-50	175	750
GN 7237-60	150	550

INSTALLATION AND HINGE PIVOT TYPE

The hinge is installed via slotted holes in the mounting base, either perpendicular or parallel to the hinge axis, allowing for two different types of hinge pivot type.





GN 7237-L

INOX STAINLESS STEEL

Code	Description	l1	l2	d	h1	h2	h3	l3	l4	l5	l6	l7	l8	l9	m1	m2	r	s	x	y	⚖
GN.32401	GN 7237-NI-40-L-MT	40	26	5.3	7.5	28	2.5	36	70.1	105.2	74.5	27.4	101.9	16	25	5	78.5	4	13	29.5	250
GN.32405	GN 7237-NI-50-L-MT	50	35	6.5	10	35	2.5	46	92.3	140	102.8	39.3	134.7	27.8	30	6	105	5	18	38	550
GN.32409	GN 7237-NI-60-L-MT	60	40	8.5	12.5	40	2.5	61	116.5	179.5	125.2	51.3	172.2	37.2	36	8	137.5	5	19	47	700

GN 7237-R

INOX STAINLESS STEEL

Code	Description	l1	l2	d	h1	h2	h3	l3	l4	l5	l6	l7	l8	l9	m1	m2	r	s	x	y	⚖
GN.32403	GN 7237-NI-40-R-MT	40	26	5.3	7.5	28	2.5	36	70.1	105.2	74.5	27.4	101.9	16	25	5	78.5	4	13	29.5	250
GN.32407	GN 7237-NI-50-R-MT	50	35	6.5	10	35	2.5	46	92.3	140	102.8	39.3	134.7	27.8	30	6	105	5	18	38	550
GN.32411	GN 7237-NI-60-R-MT	60	40	8.5	12.5	40	2.5	61	116.5	179.5	125.2	51.3	172.2	37.2	36	8	137.5	5	19	47	700

DESIGN VARIANTS

The doors or shutters can be inserted, surface-mounted, or angled.
The largest shims for the doors/jambs and the fold dimensions for the sheet construction depend on the respective type of installation.

- Hinge fitted to the jamb with base with slotted holes perpendicular to the hinge axis (see fig. 1).
- Hinge fitted to the jamb with base with slotted holes parallel to the hinge axis (see fig. 2).

The design variants indicated in fig. 1 and fig. 2 represent the standard installation conditions.
If the hinge installation position is changed or one of the two wall shim dimensions is smaller, the maximum obtainable dimensions change independently of each other. In some cases this allows for working with wall shim dimensions that are greater than specified when the hinge dimensions remain the same.
However, it is recommended to check the design with CAD or a configuration test.

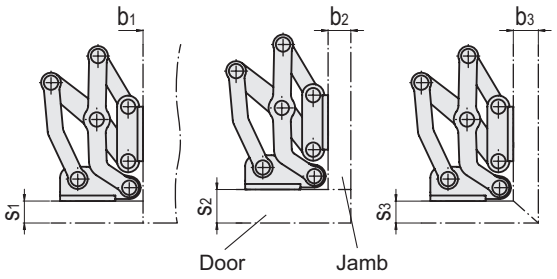
ADJUSTMENT AND FIXING OPTIONS

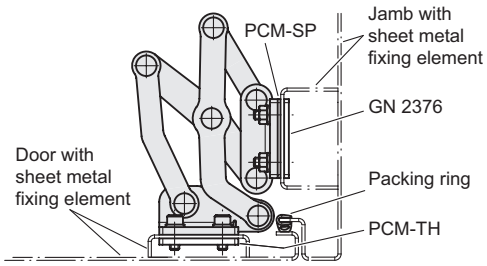
The jointed hinges can be adjusted on three different planes during installation.
This allows for:

- tolerance adjustment or determination of the compression force required by the packing ring;
- adjustment on the two fixing planes via the parallel or perpendicular slotted holes in the mounting base;

correction of the positioning via the spacer plates for hinges in stainless steel PCM-SP (see page -).
Also available to fix the hinges are spacer plates with threaded holes PCM-TH (see page -) and plates for jointed hinges GN 2376 (see page -).
The latter can also be welded or inserted from outside the jamb and fixed in position.

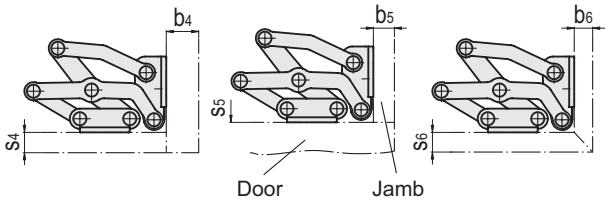
Fig.1

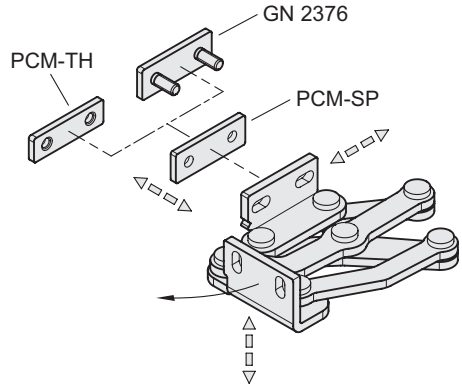




Description	s_1 max.	b_1	s_2 max.	b_2 max.	s_3 max.	b_3 max.
GN 7237-40	13	1 ... ∞	24	10	10	10
GN 7237-50	19	1 ... ∞	34	17	16	16
GN 7237-60	25	1 ... ∞	44	24	21	21

Fig.2





Description	s_4 max.	b_4 max.	s_5	b_5 max.	s_6 max.	b_6 max.
GN 7237-40	9	27	1 ... ∞	13	10	10
GN 7237-50	17	35	1 ... ∞	19	16	16
GN 7237-60	23	45	1 ... ∞	25	21	21

8/2023