

## Stainless Steel- Multiple-joint hinges

concealed, opening angle 90°

### SPECIFICATION

#### Types

- Type **L**: Fixing angle piece, left
- Type **R**: Fixing angle piece, right

Stainless Steel 304 **NI**  
matte, ground **MT**

Friction bearing  
Bronze  
self lubricated



### INFORMATION

Stainless Steel-Multiple-joint hinges GN 7231 are installed on the inside of flaps, hatches and doors to save space and ensure protection against vandalism. The hinges have a maximum opening angle of 90°, making them perfect for use with thick doors.

Use of this hinge type leaves housing exteriors free of attachments that do not match the design or that should be avoided entirely in the interests of fast and easy cleaning.

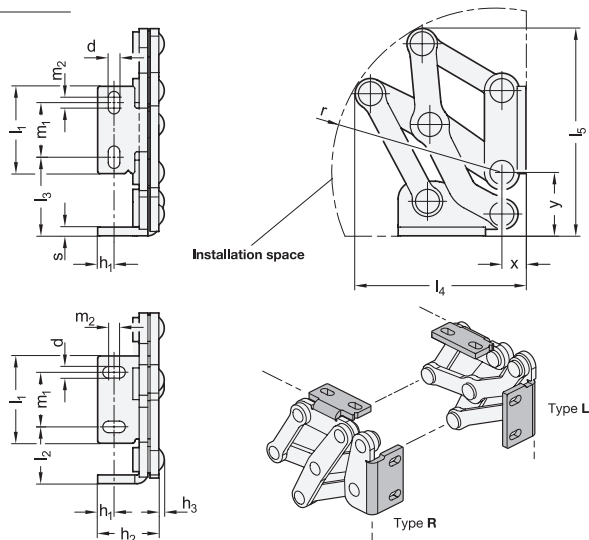
Stainless Steel-Multiple-joint hinges are generally used in pairs, meaning that one L type and one R type are used per opening. For higher loads, e.g. from large flaps or hatches, these can be supplemented with additional hinges of any type.

### TECHNICAL INFORMATION

- Stainless Steel characteristics (see page A26)

### ON REQUEST

- other materials
- other finishes
- other fixing angle pieces
- other opening angles
- other max. wall thicknesses
- other lifting motion



### GN 7231-L

STAINLESS STEEL

Description	l1	d	h1	h2	h3	l2	l3	l4	l5	l6	l7	l8	l9	m1	m2	r	s	x	y	△
GN 7231-NI-40-L-MT	40	5.3	7.5	28	2.5	26	36	78	95	23.9	75.8	23.9	85.8	25	5	77.5	4	11	29	267
GN 7231-NI-50-L-MT	50	6.5	10	35	2.5	35	46	101	126	37.2	97.9	37.2	108.6	30	6	97.5	5	19	37	533
GN 7231-NI-60-L-MT	60	8.5	12.5	40	2.5	40	61	126	163	63.9	117.8	63.9	138.6	36	8	127	5	22	47	667

### GN 7231-R

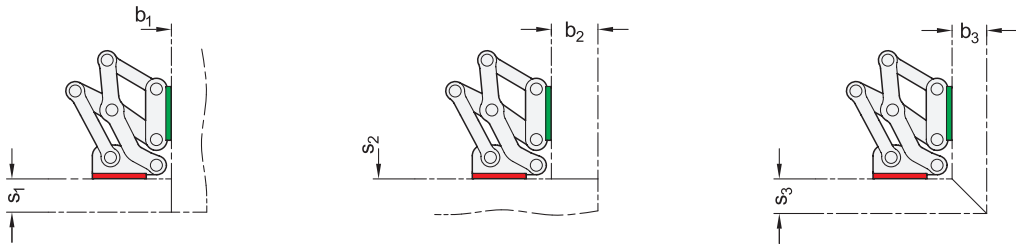
STAINLESS STEEL

Description	l1	d	h1	h2	h3	l2	l3	l4	l5	l6	l7	l8	l9	m1	m2	r	s	x	y	△
GN 7231-NI-40-R-MT	40	5.3	7.5	28	2.5	26	36	78	95	23.9	75.8	23.9	85.8	25	5	77.5	4	11	29	267
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## Design variants

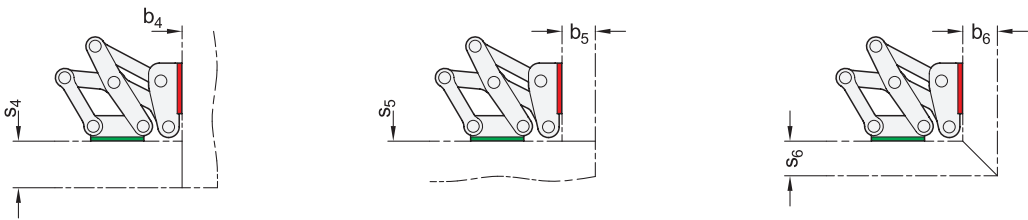
Flaps, hatches and doors can be inset, flush or mitered. The maximum wall thicknesses and bend sizes for sheet metal constructions given below arise from the respective installation type.

### 1. Fixing angle pieces mounted to the housing with slots perpendicular to the hinge axis:



l1	s1 max.	b1	s2 max.	b2 max.	s3 max.	b3 max.
40	25	1 ... ∞	1 ... ∞	35	26	26
50	30	1 ... ∞	1 ... ∞	45	36	36
60	35	1 ... ∞	1 ... ∞	60	50	50

### 2. Fixing angle pieces mounted to the housing with slots parallel to the hinge axis:



l1	s4 max.	b4 max.	s5	b5 max.	s6 max.	b6 max.
40	35	1 ... ∞	1 ... ∞	25	26	26
50	45	1 ... ∞	1 ... ∞	30	36	36
60	60	1 ... ∞	1 ... ∞	35	50	50

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 is lower than  $s$  or  $b$ , 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.

