

Hinges

Zinc Die Casting / Stainless Steel, Horizontally or Vertically Elongated

SPECIFICATION

Types

- Type **A**: 2x2 bores for countersunk screws (horizontally elongated), 2x3 bores for countersunk screws (vertically elongated)
- Type **C**: 2x2 threaded studs (horizontally elongated), 2x3 threaded studs (vertically elongated)

Hinge leaves

- Zinc die casting **ZD**
Powder coated
 - Black, RAL 9005, textured finish **SW**
 - Silver, RAL 9006, textured finish **SR**
- Stainless steel AISI CF-8 **NI** (only type A)
Matte shot-blasted finish **GS**

Pin

- Stainless steel AISI 303 for ZD
- Stainless steel AISI 316Ti for NI
- For l1 = 50 / 60 / 80 lubricated

Threaded studs for type C

- Stainless steel AISI 316 (horizontally elongated)
- Stainless steel AISI 304 for ZD (vertically elongated)
- Stainless steel AISI CF-8 for NI casted „in one piece“ (vertically elongated)

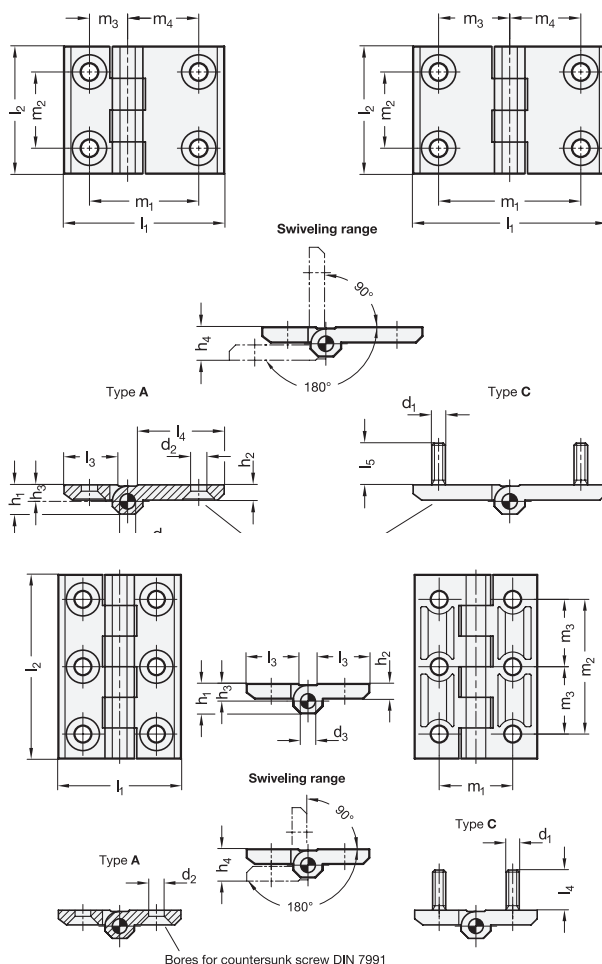
INFORMATION

Hinges GN 237 with horizontally elongated hinge leaves are made in a compact and sturdy design. They are used when larger spacings are required for the attachment bore holes.

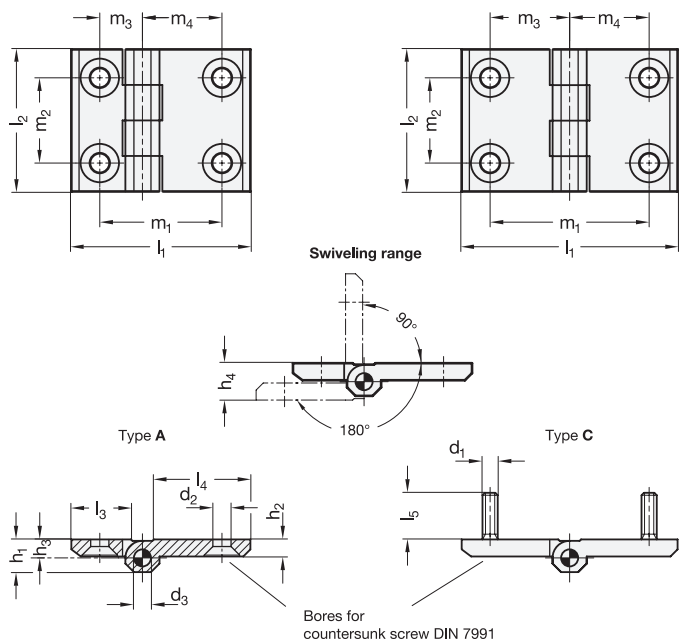
Hinges GN 237 with vertically elongated hinge leaves are made in a compact and sturdy design and require little space on the sides. They are used when a greater load capacity and better transmission of force to the surrounding structure is required. Type C hinges with threaded studs are shrouded and fastened from the rear side to prevent vandalism.

TECHNICAL INFORMATION

- List of Hinges Types (see page 1362)
- Load Rating Information of Hinges (see page A40)
- Stainless Steel Characteristics (see page A26)



Bores for countersunk screw DIN 7991



GN 237-ZD-A-SW-HE

Description	l1	l2	d2	d3	h1	h2	h3	h4 +0.5	l3	l4	m1	m2	m3	m4	⚖
GN 237-ZD-63-50-A-SW	63	50	6.3	6	11.5	6	6.5	13	18.5	31.5	43	30	15	28	104
GN 237-ZD-76-50-A-SW	76	50	6.3	6	11.5	6	6.5	13	31.5	31.5	56	30	28	28	121
GN 237-ZD-90-60-A-SW	90	60	8.4	8	15	8	8.5	17	21.5	51.5	63	36	18	45	236
GN 237-ZD-120-60-A-SW	120	60	8.4	8	15	8	8.5	17	51.5	51.5	90	36	45	45	310

GN 237-ZD-A-SR-HE

Description	l1	l2	d2	d3	h1	h2	h3	h4 +0.5	l3	l4	m1	m2	m3	m4	⚖
GN 237-ZD-120-60-A-SR	120	60	8.4	8	15	8	8.5	17	51.5	51.5	90	36	45	45	310
GN 237-ZD-63-50-A-SR	63	50	6.3	6	11.5	6	6.5	13	18.5	31.5	43	30	15	28	104
GN 237-ZD-76-50-A-SR	76	50	6.3	6	11.5	6	6.5	13	31.5	31.5	56	30	28	28	121
GN 237-ZD-90-60-A-SR	90	60	8.4	8	15	8	8.5	17	21.5	51.5	63	36	18	45	236

GN 237-ZD-C-SW-HE

Description	l1	l2	d1	d3	h1	h2	h3	h4 +0.5	l3	l4	l5	m1	m2	m3	m4	⚖
GN 237-ZD-63-50-C-SW	63	50	M 6	6	11.5	6	6.5	13	18.5	31.5	12	43	30	15	28	120
GN 237-ZD-76-50-C-SW	76	50	M 6	6	11.5	6	6.5	13	31.5	31.5	12	56	30	28	28	139
GN 237-ZD-90-60-C-SW	90	60	M 8	8	15	8	8.5	17	21.5	51.5	14	63	36	18	45	272
GN 237-ZD-120-60-C-SW	120	60	M 8	8	15	8	8.5	17	51.5	51.5	14	90	36	45	45	362

GN 237-ZD-C-SR-HE

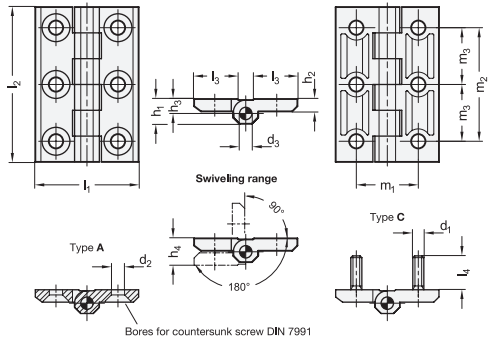
Description	l1	l2	d1	d3	h1	h2	h3	h4 +0.5	l3	l4	l5	m1	m2	m3	m4	⚖
GN 237-ZD-120-60-C-SR	120	60	M 8	8	15	8	8.5	17	51.5	51.5	14	90	36	45	45	362
GN 237-ZD-63-50-C-SR	63	50	M 6	6	11.5	6	6.5	13	18.5	31.5	12	43	30	15	28	120
GN 237-ZD-76-50-C-SR	76	50	M 6	6	11.5	6	6.5	13	31.5	31.5	12	56	30	28	28	139
GN 237-ZD-90-60-C-SR	90	60	M 8	8	15	8	8.5	17	21.5	51.5	14	63	36	18	45	272

GN 237-NI-A-GS-HE

STAINLESS STEEL

Description	l1	l2	d2	d3	h1	h2	h3	h4 +0.5	l3	l4	m1	m2	m3	m4	⚖
GN 237-NI-63-50-A-GS	63	50	6.3	6	11.5	6	6.5	13	21	34	43	30	15	28	130
GN 237-NI-76-50-A-GS	76	50	6.3	6	11.5	6	6.5	13	34	34	56	30	28	28	153
GN 237-NI-90-60-A-GS	90	60	8.4	8	15	8	8.5	17	26	56	63	36	18	45	283
GN 237-NI-120-60-A-GS	120	60	8.4	8	15	8	8.5	17	56	56	90	36	45	45	364





GN 237-ZD-A-SW-VE

Description	l ₁	l ₂	d ₁	d ₂	d ₃	h ₁	h ₂	h ₃	h ₄ +0.5	l ₃	l ₄	m ₁	m ₂	m ₃	⚖
GN 237-ZD-30-45-A-SW	30	45	M 4	4.3	3	7.5	4	4.3	8.6	11	9	18	33	16.5	30
GN 237-ZD-40-60-A-SW	40	60	M 5	5.3	4	9	5	5.5	11	16	12	25	45	22.5	70
GN 237-ZD-50-75-A-SW	50	75	M 6	6.4	6	11.5	6	6.5	13	21	12	30	55	27.5	140
GN 237-ZD-60-90-A-SW	60	90	M 8	8.4	8	15	8	8.5	17	26	14	36	66	33	260
GN 237-ZD-80-120-A-SW	80	120	M 10	10.5	10	20	10	10.5	21	36	18	50	90	45	610

GN 237-ZD-A-SR-VE

Description	l ₁	l ₂	d ₁	d ₂	d ₃	h ₁	h ₂	h ₃	h ₄ +0.5	l ₃	l ₄	m ₁	m ₂	m ₃	⚖
GN 237-ZD-30-45-A-SR	30	45	M 4	4.3	3	7.5	4	4.3	8.6	11	9	18	33	16.5	30
GN 237-ZD-40-60-A-SR	40	60	M 5	5.3	4	9	5	5.5	11	16	12	25	45	22.5	70
GN 237-ZD-50-75-A-SR	50	75	M 6	6.4	6	11.5	6	6.5	13	21	12	30	55	27.5	140
GN 237-ZD-60-90-A-SR	60	90	M 8	8.4	8	15	8	8.5	17	26	14	36	66	33	260
GN 237-ZD-80-120-A-SR	80	120	M 10	10.5	10	20	10	10.5	21	36	18	50	90	45	610

GN 237-ZD-C-SW-VE

Description	l ₁	l ₂	d ₁	d ₂	d ₃	h ₁	h ₂	h ₃	h ₄ +0.5	l ₃	l ₄	m ₁	m ₂	m ₃	⚖
GN 237-ZD-30-45-C-SW	30	45	M 4	4.3	3	7.5	4	4.3	8.6	11	9	18	33	16.5	40
GN 237-ZD-40-60-C-SW	40	60	M 5	5.3	4	9	5	5.5	11	16	12	25	45	22.5	90
GN 237-ZD-50-75-C-SW	50	75	M 6	6.4	6	11.5	6	6.5	13	21	12	30	55	27.5	170
GN 237-ZD-60-90-C-SW	60	90	M 8	8.4	8	15	8	8.5	17	26	14	36	66	33	370
GN 237-ZD-80-120-C-SW	80	120	M 10	10.5	10	20	10	10.5	21	36	18	50	90	45	740

GN 237-ZD-C-SR-VE

Description	l ₁	l ₂	d ₁	d ₂	d ₃	h ₁	h ₂	h ₃	h ₄ +0.5	l ₃	l ₄	m ₁	m ₂	m ₃	⚖
GN 237-ZD-30-45-C-SR	30	45	M 4	4.3	3	7.5	4	4.3	8.6	11	9	18	33	16.5	40
GN 237-ZD-40-60-C-SR	40	60	M 5	5.3	4	9	5	5.5	11	16	12	25	45	22.5	90
GN 237-ZD-50-75-C-SR	50	75	M 6	6.4	6	11.5	6	6.5	13	21	12	30	55	27.5	170
GN 237-ZD-60-90-C-SR	60	90	M 8	8.4	8	15	8	8.5	17	26	14	36	66	33	370
GN 237-ZD-80-120-C-SR	80	120	M 10	10.5	10	20	10	10.5	21	36	18	50	90	45	740

GN 237-NI-A-GS-VE

STAINLESS STEEL

Description	l ₁	l ₂	d ₁	d ₂	d ₃	h ₁	h ₂	h ₃	h ₄ +0.5	l ₃	l ₄	m ₁	m ₂	m ₃	⚖
GN 237-NI-30-45-A-GS	30	45	M 4	4.3	3	7.5	4	4.3	8.6	11	9	18	33	16.5	37
GN 237-NI-40-60-A-GS	40	60	M 5	5.3	4	9	5	5.5	11	16	11	25	45	22.5	86
GN 237-NI-50-75-A-GS	50	75	M 6	6.4	6	11.5	6	6.5	13	21	13	30	55	27.5	160
GN 237-NI-60-90-A-GS	60	90	M 8	8.4	8	15	8	8.5	17	26	17	36	66	33	300
GN 237-NI-80-120-A-GS	80	120	M 10	10.5	10	20	10	10.5	21	36	21	50	90	45	701

GN 237-NI-C-GS-VE

STAINLESS STEEL

Description	l ₁	l ₂	d ₁	d ₂	d ₃	h ₁	h ₂	h ₃	h ₄ +0.5	l ₃	l ₄	m ₁	m ₂	m ₃	⚖
GN 237-NI-30-45-C-GS	30	45	M 4	4.3	3	7.5	4	4.3	8.6	11	9	18	33	16.5	37
GN 237-NI-40-60-C-GS	40	60	M 5	5.3	4	9	5	5.5	11	16	11	25	45	22.5	86
GN 237-NI-50-75-C-GS	50	75	M 6	6.4	6	11.5	6	6.5	13	21	13	30	55	27.5	160
GN 237-NI-60-90-C-GS	60	90	M 8	8.4	8	15	8	8.5	17	26	17	36	66	33	300
GN 237-NI-80-120-C-GS	80	120	M 10	10.5	10	20	10	10.5	21	36	21	50	90	45	701