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INNER LEAF TYPE

- Type **A**: tangential fastening with cylindrical recess
- Type **B**: tangential fastening with tapped bushings
- Type **C**: radial fastening with cylindrical recess
- Type **D**: radial fastening with tapped bushings

OUTER LEAF TYPE

- Type **A**: tangential fastening with cylindrical recess
- Type **B**: tangential fastening with tapped bushings
- Type **C**: radial fastening with cylindrical recess
- Type **D**: radial fastening with tapped bushings

HINGE LEAF

Aluminum

Anodized, black **ALS**

Bearing bushings

Bronze

Hinge pin

Stainless steel AISI 420

Thrust washers

Stainless steel AISI 302

Adjusting screws

AISI 303 stainless steel

With thread locking

Complete nylon coating

Tapped bushings

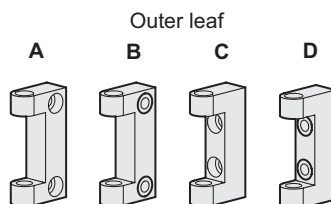
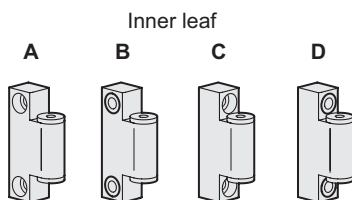
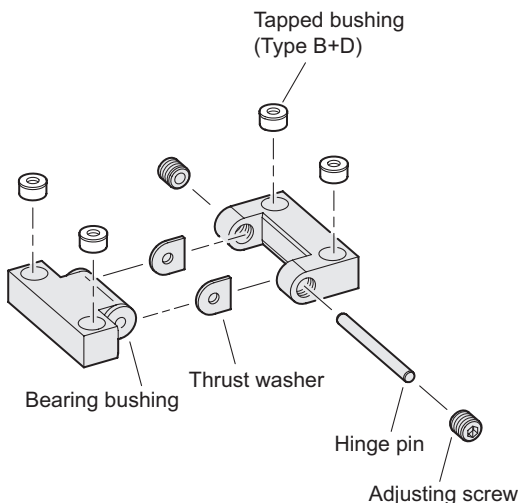
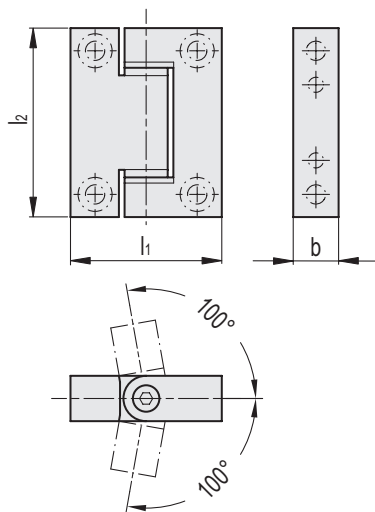
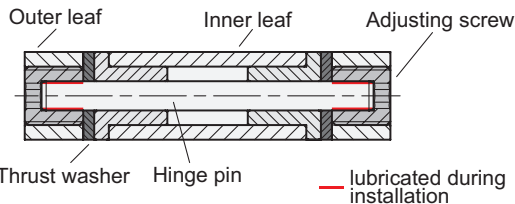
AISI 303 stainless steel

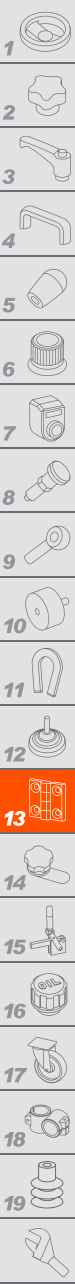
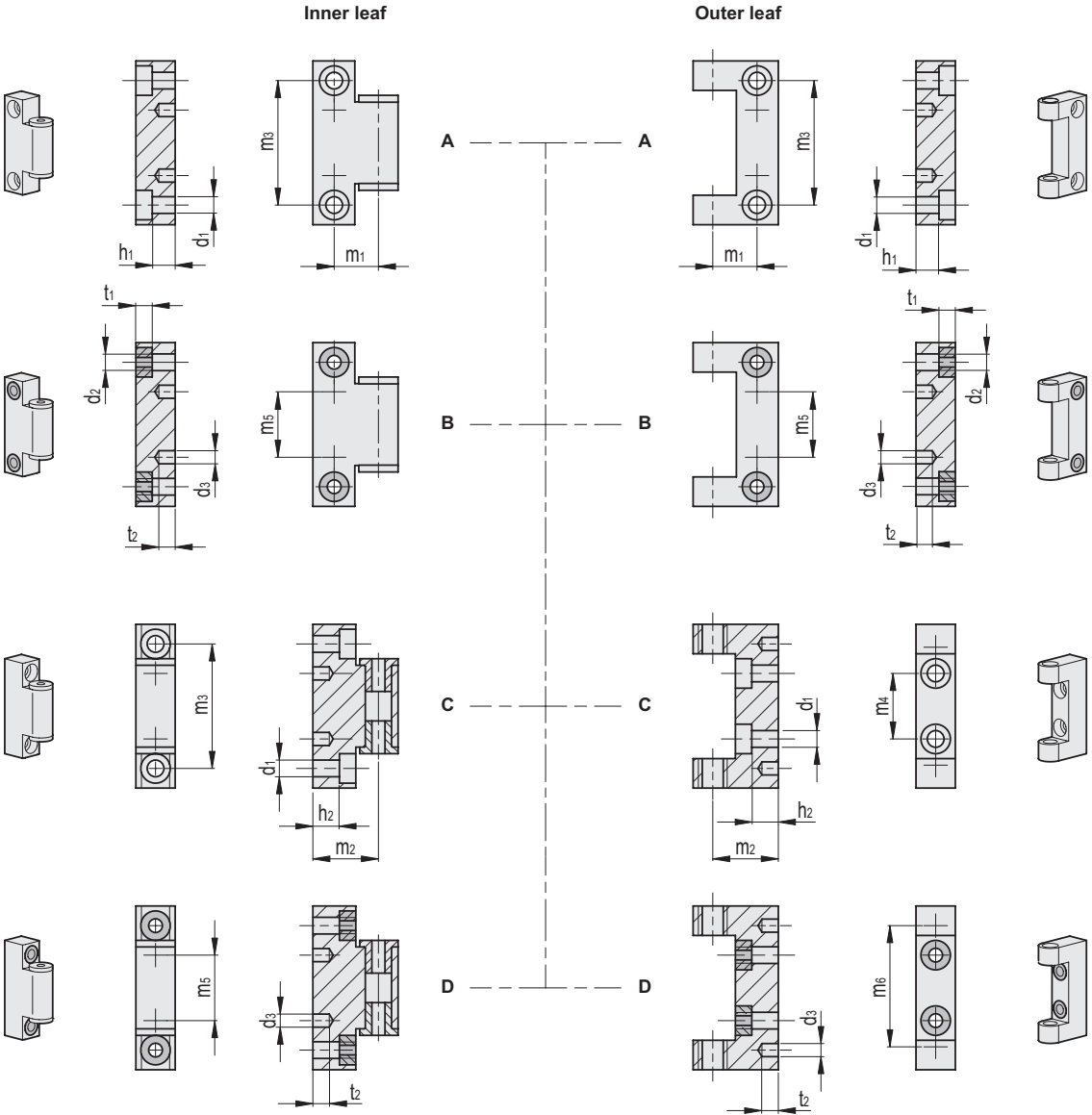
INFORMATION

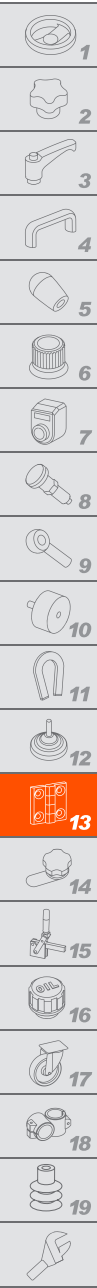
Precision hinges GN 7580 supply a pivoting movement to elements such as swing arms, spacers and clamping plates. The wear-resistant precision hinges feature low radial play and adjustable axial play.

A variety of installation situations can be covered by combining the various inner and outer leaves. Precise positioning can be achieved with dowel pins in the fit bores of the screw-on surfaces.

The bearing bushings and the tapped bushings of types B and D are supplied preassembled in the hinge leaves. The hinge pin, thrust washers and adjusting screws are packaged separately.







Hinges and accessories

Conversion Table	
1 mm = 0.039 inch	
↓	
mm	inch
2	0.08
6.5	0.25
8.5	0.33

METRIC

Code	Description	l1	l2	d1	d2	d3 H7	b	h1	h2	m1	m2	m3	m4	m5	m6	t1	t2	△
GN.79141	GN 7580-ALS-40-50-A-A	40	50	5.1	-	4	12	7	-	13.5	20	38	-	20	-	5	9	66
GN.79142	GN 7580-ALS-40-50-A-B	40	50	5.1	M 5	4	12	7	-	13.5	20	38	-	20	-	5	9	70
GN.79143	GN 7580-ALS-40-50-A-C	40	50	5.1	-	4	12	7	8.1	13.5	20	38	20	20	40	5	9	66
GN.79144	GN 7580-ALS-40-50-A-D	40	50	5.1	M 5	4	12	7	8.1	13.5	20	38	20	20	40	5	9	70
GN.79145	GN 7580-ALS-40-50-B-A	40	50	5.1	M 5	4	12	7	-	13.5	20	38	-	20	-	5	9	70
GN.79146	GN 7580-ALS-40-50-B-B	40	50	5.1	M 5	4	12	7	-	13.5	20	38	-	20	-	5	9	74
GN.79147	GN 7580-ALS-40-50-B-C	40	50	5.1	M 5	4	12	7	8.1	13.5	20	38	20	20	40	5	9	70
GN.79148	GN 7580-ALS-40-50-B-D	40	50	5.1	M 5	4	12	7	8.1	13.5	20	38	20	20	40	5	9	74
GN.79149	GN 7580-ALS-40-50-C-A	40	50	5.1	-	4	12	7	8.1	13.5	20	38	-	20	-	5	9	66
GN.79150	GN 7580-ALS-40-50-C-B	40	50	5.1	M 5	4	12	7	8.1	13.5	20	38	-	20	-	5	9	70
GN.79151	GN 7580-ALS-40-50-C-C	40	50	5.1	-	4	12	-	8.1	-	20	38	20	20	40	5	9	66
GN.79152	GN 7580-ALS-40-50-C-D	40	50	5.1	M 5	4	12	-	8.1	-	20	38	20	20	40	5	9	70
GN.79153	GN 7580-ALS-40-50-D-A	40	50	5.1	M 5	4	12	7	8.1	13.5	20	38	-	20	-	5	9	70
GN.79154	GN 7580-ALS-40-50-D-B	40	50	5.1	M 5	4	12	7	8.1	13.5	20	38	-	20	-	5	9	74
GN.79155	GN 7580-ALS-40-50-D-C	40	50	5.1	M 5	4	12	-	8.1	-	20	38	20	20	40	5	9	70
GN.79156	GN 7580-ALS-40-50-D-D	40	50	5.1	M 5	4	12	-	8.1	-	20	38	20	20	40	5	9	74
GN.79161	GN 7580-ALS-55-70-A-A	55	70	6.1	-	5	16	10	-	18	27.5	56	-	26	-	6	11	184
GN.79162	GN 7580-ALS-55-70-A-B	55	70	6.1	M 6	5	16	10	-	18	27.5	56	-	26	-	6	11	190
GN.79163	GN 7580-ALS-55-70-A-C	55	70	6.1	-	5	16	10	12.3	18	27.5	56	26	26	56	6	11	184
GN.79164	GN 7580-ALS-55-70-A-D	55	70	6.1	M 6	5	16	10	12.3	18	27.5	56	26	26	56	6	11	190
GN.79165	GN 7580-ALS-55-70-B-A	55	70	6.1	M 6	5	16	10	-	18	27.5	56	-	26	-	6	11	191
GN.79166	GN 7580-ALS-55-70-B-B	55	70	6.1	M 6	5	16	10	-	18	27.5	56	-	26	-	6	11	197
GN.79167	GN 7580-ALS-55-70-B-C	55	70	6.1	M 6	5	16	10	12.3	18	27.5	56	26	26	56	6	11	191
GN.79168	GN 7580-ALS-55-70-B-D	55	70	6.1	M 6	5	16	10	12.3	18	27.5	56	26	26	56	6	11	197
GN.79169	GN 7580-ALS-55-70-C-A	55	70	6.1	-	5	16	10	12.3	18	27.5	56	-	26	-	6	11	184
GN.79170	GN 7580-ALS-55-70-C-B	55	70	6.1	M 6	5	16	10	12.3	18	27.5	56	-	26	-	6	11	190
GN.79171	GN 7580-ALS-55-70-C-C	55	70	6.1	-	5	16	-	12.3	-	27.5	56	26	26	56	6	11	184
GN.79172	GN 7580-ALS-55-70-C-D	55	70	6.1	M 6	5	16	-	12.3	-	27.5	56	26	26	56	6	11	190
GN.79173	GN 7580-ALS-55-70-D-A	55	70	6.1	M 6	5	16	10	12.3	18	27.5	56	-	26	-	6	11	190
GN.79174	GN 7580-ALS-55-70-D-B	55	70	6.1	M 6	5	16	10	12.3	18	27.5	56	-	26	-	6	11	197
GN.79175	GN 7580-ALS-55-70-D-C	55	70	6.1	M 6	5	16	-	12.3	-	27.5	56	26	26	56	6	11	190
GN.79176	GN 7580-ALS-55-70-D-D	55	70	6.1	M 6	5	16	-	12.3	-	27.5	56	26	26	56	6	11	197
GN.79181	GN 7580-ALS-75-100-A-A	75	100	8.1	-	6	22	14	-	25	37.5	80	-	45	-	8	13	478
GN.79182	GN 7580-ALS-75-100-A-B	75	100	8.1	M 8	6	22	14	-	25	37.5	80	-	45	-	8	13	490
GN.79183	GN 7580-ALS-75-100-A-C	75	100	8.1	-	6	22	14	16.8	25	37.5	80	45	45	80	8	13	478
GN.79184	GN 7580-ALS-75-100-A-D	75	100	8.1	M 8	6	22	14	16.8	25	37.5	80	45	45	80	8	13	490
GN.79185	GN 7580-ALS-75-100-B-A	75	100	8.1	M 8	6	22	14	-	25	37.5	80	-	45	-	8	13	490
GN.79186	GN 7580-ALS-75-100-B-B	75	100	8.1	M 8	6	22	14	-	25	37.5	80	-	45	-	8	13	503
GN.79187	GN 7580-ALS-75-100-B-C	75	100	8.1	M 8	6	22	14	16.8	25	37.5	80	45	45	80	8	13	490
GN.79188	GN 7580-ALS-75-100-B-D	75	100	8.1	M 8	6	22	14	16.8	25	37.5	80	45	45	80	8	13	503
GN.79189	GN 7580-ALS-75-100-C-A	75	100	8.1	-	6	22	14	16.8	25	37.5	80	-	45	-	8	13	477
GN.79190	GN 7580-ALS-75-100-C-B	75	100	8.1	M 8	6	22	14	16.8	25	37.5	80	-	45	-	8	13	490
GN.79191	GN 7580-ALS-75-100-C-C	75	100	8.1	-	6	22	-	16.8	-	37.5	80	45	45	80	8	13	477
GN.79192	GN 7580-ALS-75-100-C-D	75	100	8.1	M 8	6	22	-	16.8	-	37.5	80	45	45	80	8	13	490
GN.79193	GN 7580-ALS-75-100-D-A	75	100	8.1	M 8	6	22	14	16.8	25	37.5	80	-	45	-	8	13	490
GN.79194	GN 7580-ALS-75-100-D-B	75	100	8.1	M 8	6	22	14	16.8	25	37.5	80	-	45	-	8	13	503
GN.79195	GN 7580-ALS-75-100-D-C	75	100	8.1	M 8	6	22	-	16.8	-	37.5	80	45	45	80	8	13	490
GN.79196	GN 7580-ALS-75-100-D-D	75	100	8.1	M 8	6	22	-	16.8	-	37.5	80	45	45	80	8	13	503