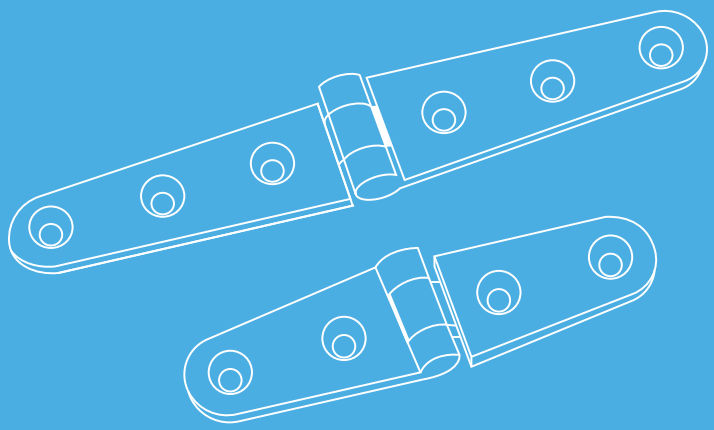
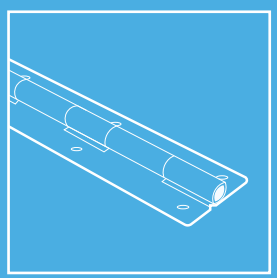
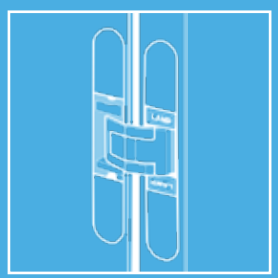


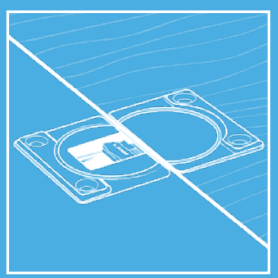
Cabinet Hinges.

Butt Hinges • Piano Hinges • Spring / Quick Release Hinges • Lift-Off Hinges • Overlay Door Angle Hinges Pivot Hinges • Drop/Tabletop Hinges • Detent Hinges • Torque Hinges
Glass Showcase Hardware • Concealed Hinges









Picture	Item No.	Door Weight (lbs)	Page
	LSA, LSB	13~66	312
	LSK	-	312
	KHA	-	313
	D-S	-	313
	LSF	-	314
	28300, 28400	8.8 / pair	314
	50704, 50706	5.7 / pair	314
	28000, 28500	8.8 / pair	315
	28100	8.8 / pair	315
	27800, 27900	8.8 / pair	315
	HG-BF1	-	316
	HG-P100	-	316

PIANO HINGES

Picture	Item No.	Page
	HG-MH	317
	LSD-30	318
	LSN	318

SPRING / QUICK RELEASE HINGES

Picture	Item No.	Page
	HG-SHL (HIGH DURABILITY TYPE)	319
	HG-SH	319
	SH	319
	HG-OT45	320
	HG-OT75, 100	320
	HG-PV60AC (WELD-ON)	321
	HG-BF3 (W/SPRING)	321

ALUMINUM HINGES

Picture	Item No.	Page
	HG-CV (CLEAN ROON HINGE)	322
	AS-HG-AL-N (LIFT-OFF HINGE)	322

LIFT-OFF HINGES

Picture	Item No.	Page
	LSX-100	323
	HNH	323
	NH-40	324
	KN	324
	HG-CV65N	325

OVERLAY DOOR ANGLE HINGES

Picture	Item No.	Max. Door Size (in)/ Max. Door Weight (lbs)	Page
	AHA-24	W 17-3/4" x H 27-9/16" 5.7 / pair	326
	AHB-18	W 17-3/4" x H 27-9/16" 5.7 / pair	326
	AHS	W 17-3/4" x H 27-9/16" 5.7 / pair	326
	AHW	W 17-3/4" x H 27-9/16" 5.7 / pair	326

PIVOT HINGES

Picture	Item No.	Max. Door Size (in)/ Max. Door Weight (lbs)	Page
	GP-40 (GLASS DOOR)	W 17-3/4" x H 27-9/16" x t 5/16" 8.8 / pair	328
	PL-60 (OVERLAY DOOR)	W 17-3/4" x H 27-9/16" x t 7/8" 5.7 / pair	328
	PL-65 (OVERLAY DOOR)	W 17-3/4" x H 27-9/16" x t 7/8" 8.8 / pair	329
	PL-100 (OVERLAY DOOR)	W 23-5/8" x H 29-1/2" 13.2 / pair	329
	WP (OVERLAY DOOR)	“W 11-13/16”” x H 27-9/16”” 3.9 / pair”	330
	PAS (OVERLAY DOOR)	W 17-3/4" x H 27-9/16" 5.7 ~ 8.8 / pair	330
	PP (INSET DOOR)	W 17-3/4" x H 27-9/16" 5.7 / pair	331
	PH (INSET DOOR)	W 17-3/4" x H 27-9/16" 5.7 ~ 8.8 / pair	331
	PAW (INSET DOOR)	W 17-3/4" x H 27-9/16" 5.7 ~ 8.8 / pair	331

MISCELLANEOUS HINGES

Picture	Item No.	Max. Door Size (in)/ Max. Door Weight (lbs)	Page
	SDH-001	Max. W 35-1/2" x H20" x t 3/4" / 2 pcs Max. W 47-1/4" x H20" x t 3/4" / 3 pcs	332
	SDH-P	Max. W 35-7/16” x H19-11/16” x t 3/4” / 2 pcs Max. W 47-1/4” x H19-11/16” x t 3/4” / 3 pcs	332
	SMH-30, 40	W 17-3/4" x H 27-9/16" x t 53/64" 8.8 / pair	333
	SMH-83	W 17-3/4" X H 27-9/16" X t 53/64" 8.8 / pair	333
	MA-5	W 17-3/4" x H 27-9/16" x t 53/64" 8.8 / pair	333
	CH-75	-	334
	HG-BH	W 17-3/4" x H 27-9/16" 5.7 / pair	334

DETENT HINGES

Picture	Item No.	Max. Door Specification	Page
	HG-CSH63	Max holding 8.8 in-lbs force	335
	HG-YJ50	Max holding 4.3 in-lbs force	336
	HG-YC105	Max holding 10.4 in-lbs force	336
	HG-MPS2	2.2 lbs / pair	337

TORQUE HINGES / DAMPERS

Picture	Item No.	Torque (lbs·in)	Page
	HG-TQA (1-WAY TORQUE HINGES)	79.7 / pair	339
	HG-TQJ100 (1-WAY TORQUE HINGES)	0~88.7 / pc	340
	HG-ITJ4080 (ADJUSTABLE TORQUE HINGE)	35.6~71.2 / pc	341
	HG-TP	17.6-40 / pc	342
	HG-IT	21.7~60.8 / pc	343
	HG-KNT (LIFT-OFF TORQUE HINGE)	2.5~13.0 / pc	343
	HG-TS	3.1 ~ 13.3 / pc	344
	HG-DTA (DETENT TORQUE HINGES)	3.55 ~ 7.10 / pc	344
	SFTH	4.3~50.3 / pc	345
	HG-VH8 (COMBINATION HINGES)	0~3.10 / pc	345
	HG-TLS30-50-300		346
	HG-T30S15	Tilt: 26.5 in-lbs Swivel: 13 in-lbs	347
	HG-T70S30	Tilt: 62 in-lbs Swivel: 26.6 in-lbs	347
	HG-TA	17.7~39.8 / pc	348
	HG-TB	17.7~39.8 / pc	348

Picture	Item No.	Torque (lbs·in)	Page
	HG-TMH	13.2~17.7 / pc	349
	HG-S (SWIVEL TORQUE HINGE)	6.2~62.1 / pc	350
	HG-TU (HIDDEN TORQUE HINGES)	3.1~6.2 / pc	350
	HG-TUWA (CONCEALED TORQUE HINGE)	6.2-13.2 / pc	351
	UDH-14 (TORQUE DAMPER)	4.4~22 / pc	352
	UDH, UDH-16, UDH-16N (TORQUE DAMPER)	8.8~34 / pc	353
	HG-JHM9	0.48~0.77 / pair	355
	HG-JHW16S	17-44 / pc	355
	HG-JHS9	0.24~0.38 / pc	356
	HG-JHM14	4.3~17 / pc	357
	UKZ14	-	357
	URD8-3	0.19~0.26 / pc	358
	MPH	-	358
	HG-JH14-50	26~44 / pair	359
	HG-JH	27~61 / pair	359
	HG-JHM16	17.4~43.4 / pair	360
	HG-JHM20	53~70.8 / pair	361
	HG-JHW / HG-JHWG	53~124 / pair	362
	HG-JH210 (LIFT ASSIST HINGE)	182 / pc	363
	HG-JHM20T (DAMPER HINGE)	53.1~70.8	364
	HG-JV65 (HOR. SOFT-CLOSE HINGE)		365

Picture	Item No.	Max. Door Size (in)/Max. Door Weight (lbs)	Page
	GS-GH5 (Hinge)	W 17-3/4" x H 23-5/8" x t 1/4" 11 lbs / pair	367
	GS-GB5 (Bracket)	-	367
	GS-GL5 (Million Lock)	-	368
	GS-GH20, (Hinges)	-	369
	GS-GB20 (Bracket)	-	368
	GS-GH50 (Hinges)	-	369
	XL-GC04-C (Hinge)	W 19-11/16" x H 47-1/4" x t 5/16" 26.5 / Door	371
	XL-GC05-C (Bracket)	-	371
	XL-GC07-C (Hinge)	W 19-11/16" x H 47-1/4" x t 5/16" 26.5 / Door	371
	XL-GH03-48-0	W 25-19/32" x H 35-7/16" x t 5/16" 26.4 / pair	373
	XL-GH03-48-8	W 25-19/32" x H 35-7/16" x t 5/16" 26.4 / pair	373
	XL-GH01-600	W 17-23/32" x H 51-3/16" x t 1/4” 22 / pair	372
	XL-GH01-250	W 15-3/4" x H 23-5/8" x t 1/4” 10.5 / pair	372
	GH-450	W 23-5/8" x H 47" x t 5/16" 33 / pair	374
	GH-450G	W 23-5/8" x H 47" x t 5/16" 33 / pair	374
	GH-456C	W 23-5/8” x H 47” x t 5/16” 33 / pair	375
	GH-456N	W 23-5/8” x H 47” x t 5/16” 33 / pair	375
	GH-34/0/S	W 17-3/4" x H 27-9/16" x t 1/4" 8.8 / pair	376
	GH-34/8/S	W 17-3/4" x H 27-9/16" x t 1/4" 8.8 / pair	376
	GH-34/0	W 17-3/4" x H 27-9/16" x t 1/4" 8.8 / pair	377
	GH-34/8	W 17-3/4" x H 27-9/16" x t 1/4" 8.8 / pair	377
	GH-34-0CR-K	W 17-3/4" x H 27-9/16" x t 1/4" 8.8 / pair	378
	GH-34-8CR-K	W 17-3/4" x H 27-9/16" x t 1/4" 8.8 / pair	378
	GHC-34/8	W 17-3/4" x H 27-9/16" x t 1/4" 8.8 / pair	379
	GHC-34-8CR-K	W 17-3/4" x H 27-9/16" x t 1/4" 8.8 / pair	379
	GH-36/NCR	W 17-3/4" x H 27-9/16" x t 1/4" 8.8 / pair	380

CONCEALED HINGES

Picture	Item No.	Max. Door Size (in)/ Max. Door Weight (lbs)	Page
	T-90-200	-	380
	J95 (HEAVY DUTY TYPE)	W 31-1/2" x t 1-3/16", 55lbs / 2 pcs W 35-7/16" x t 1-3/16", 88 lbs / 3 pcs	382~ 389
	J95-P6T	-	388
	J95ZC-GR/NI/BC	-	388
	J95SC-GR/NI/BC		
	GH-J95FP (GLASS FACEPLATE FOR J95)	-	389
	GH-J95FP-Q1 (GLASS FACEPLATE FOR J95)	-	389
	DC-200	-	390
	DSR701	-	392
	DSR213-2330	-	392
	DSR423-2300	-	393
	DSR403-2300	-	393
	H95TS	-	394
	H95TM	-	395
	180SUS-C/D46	-	396
	180SUS-C/D46-10T	-	398
	180SUS-C/D46-0T	-	399
	HT-160T	-	400
	OLYMPIA Concealed Cup Hinge with Adjustable Soft Close		401

Picture	Item No.	Max. Door Size (in)/ Max. Door Weight (lbs)	Page
	304B-46/19, C46/19	W 17-3/4" x H 94-1/2" x t 3/4", 28.5 lbs / 5 pcs	422
	304B-46/14, C46/14	W 17-3/4" x H 94-1/2" x t 3/4", 28.5 lbs / 5 pcs	422
	304B-46/9, C46/9	W 17-3/4" x H 94-1/2" x t 3/4", 28.5 lbs / 5 pcs	423
	304B-P3A	-	423
	304B-P4A/32	-	423
	304B-P4A/32-3W	-	423
	H160-34/28, H160-C34/28	W 19-11/16" x H 94-1/2" x t 1-11/32", 44 lbs / 5 pcs	424
	H160-34/23, H160-C34/23	W 19-11/16" x H 94-1/2" x t 1-11/32", 44 lbs / 5 pcs	424
	H160-34/18, H160-C34/18	W 19-11/16" x H 94-1/2" x t 1-11/32" , 44 lbs / 5 pcs	425
	H160-34/0, H160-C34/0	W 19-11/16" x H 94-1/2" x t 1-11/32", 44 lbs / 5 pcs	425
	100-04A-W-32		425
	J160-D22	Door thickness: 11/16" ~ 1-7/16" 55 lbs /2 pcs., 88 lbs/3 pcs.	426
	RK-50	W 17-23/32" x H 27-9/16", 5.7 lbs / 2 pcs	428
	HES3D-70	W 23-5/8" x H 47-1/4", 19.8 lbs / 2 pcs W 23-5/8" x H 47-1/4", 26.4 lbs / 3 pcs	429
	HES3D-90	W 23-5/8" x H 59", 26 lbs / 2 pcs W 23-5/8" x H 59", 35 lbs / 3 pcs	430
	HES3D-G90BKT	-	431
	HES3D-120	Max H 94-1/2" Max W 35-7/16" 66 lbs / 2 pcs, 88 lbs / 3 pcs	432
	HES3D-G120BKT	-	433
	R SERIES	-	434

BUTT HINGE

RoHS compliant | STAINLESS 304 STEEL | NO SCREW

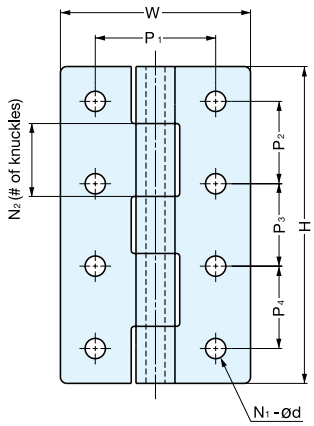
LSA, LSB



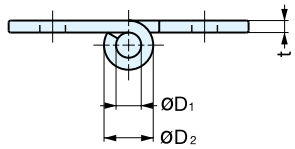
LAS-75
without holes



LSB-75
with holes



- Available as a weld-on type without holes (LSA) or screw-on type with holes (LSB).
  Note: Screw holes for LSB Series are not countersunk.



Material	Finish
304 Stainless Steel	Mirror

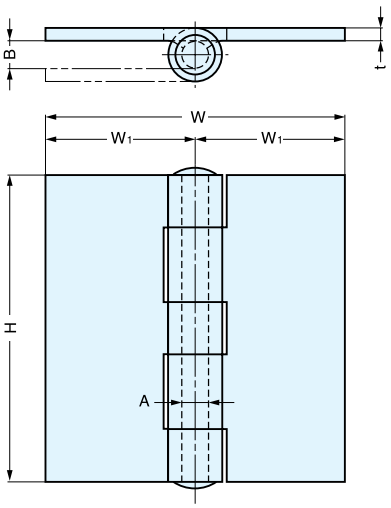
Item No.	Holes	H	W	P1	P2	P3	P4	t	d	D1	(D2)	N1	N2	Door Weight (pair)	Weight (g)	Box (pcs)	Carton (pcs)
LSA-40	Without Holes	1-9/16" (40 mm)	1-3/8" (35 mm)	-	-	-	-	1/16" (1.5 mm)	-	1/8" (3 mm)	1/4" (6.3 mm)	-	1/8" (3 mm)	13 lbs (6 kg)	25	20	500
LSA-50		2" (50 mm)		-	-	-	-		-			-		17 lbs (8 kg)	30		
LSA-65		2-9/16" (65 mm)	2" (50 mm)	-	-	-	-	3/32" (2 mm)	-	3/16" (4.5 mm)	3/8" (8.8 mm)	-	3/16" (5 mm)	28 lbs (13 kg)	66		
LSA-75		2-15/16" (75 mm)		-	-	-	-		-			-		33 lbs (15 kg)	76		
LSA-90		3-9/16" (90 mm)	2-3/8" (60 mm)	-	-	-	-	1/8" (3 mm)	-	1/4" (6 mm)	1/2" (12.3 mm)	-		55 lbs (25 kg)	190	10	100
LSA-100		3-15/16" (100 mm)		-	-	-	-		-			-		66 lbs (30 kg)	200		
LSB-40	With Holes	1-9/16" (40 mm)	1-3/8" (35 mm)	7/8" (22 mm)	1" (26 mm)	-	-	1/16" (1.5 mm)	1/8" (3.2 mm)	1/8" (3 mm)	1/4" (6.3 mm)	3/16" (4 mm)	1/8" (3 mm)	13 lbs (6 kg)	25	20	500
LSB-50		2" (50 mm)			1-5/16" (34 mm)	-	-		3/16" (4.3 mm)					17 lbs (8 kg)	30		
LSB-65		2-9/16" (65 mm)	2" (50 mm)	1-3/16" (30 mm)	15/16" (23 mm)	15/16" (23 mm)	-	1/16" (2 mm)		3/16" (4.5 mm)	3/8" (8.8 mm)	1/4" (6 mm)	3/16" (5 mm)	28 lbs (13 kg)	64		
LSB-75		2-15/16" (75 mm)			1-1/16" (27 mm)	1-1/16" (27 mm)	-		3/16" (5.3 mm)					33 lbs (15 kg)	74		
LSB-90		3-9/16" (90 mm)	2-3/8" (60 mm)	1-1/2" (38 mm)	1-3/8" (35 mm)	1-3/8" (35 mm)	-	1/8" (3 mm)	1/4" (6.4 mm)	1/4" (6 mm)	1/2" (12.3 mm)			55 lbs (25 kg)	180	10	100
LSB-100		3-15/16" (100 mm)			1" (26 mm)	1" (26 mm)	1" (26 mm)					5/16" (8 mm)		66 lbs (30 kg)	195		

STAINLESS STEEL WELD-ON HINGE

STAINLESS 304 STEEL

LSK





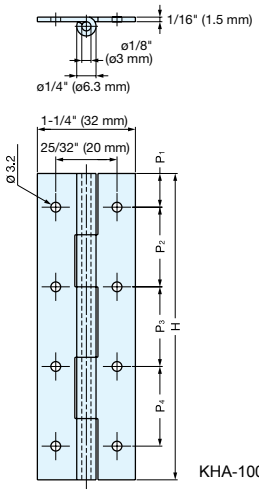
- Available as weld-on type without holes **only**. For screw-on type butt hinges, please see 3535 and 4040 Series hinges (P.192).

Material	Finish
304 Stainless Steel	Satin

Item No.	H	W1	W	A	B	t	Weight (g)	Box (pcs)	Carton (pcs)
LSK-1157-1	2" (51 mm)	1" (25 mm)	2" (50 mm)	1/4" (6 mm)	1/4" (6 mm)	1/8" (2.5 mm)	76	10	250
LSK-1157-2	2-1/2" (64 mm)	1-1/4" (32 mm)	2-1/2" (64 mm)	1/4" (7 mm)	9/32" (7 mm)	1/8" (3 mm)	141		150
LSK-1157-3	3" (76 mm)	1-7/16" (37 mm)	2-15/16" (74 mm)				188		100
LSK-1157-4	3-1/2" (89 mm)	1-11/16" (43.5 mm)	3-7/16" (87 mm)	5/16" (8 mm)	5/16" (8 mm)		257		80
LSK-1157-5	4" (101.6 mm)	1-15/16" (49.5 mm)	3-7/8" (99 mm)			3/16" (4 mm)	417		50
LSK-1157-6	5" (127 mm)	2-5/16" (59.5 mm)	4-11/16" (119 mm)	7/16" (11 mm)	7/16" (11 mm)		681	6	30
LSK-1157-7	6" (152 mm)	2-13/16" (71.5 mm)	5-5/8" (143 mm)	1/2" (12 mm)	1/2" (12 mm)		928	4	20

BUTT HINGE KHA





KHA-100C shown

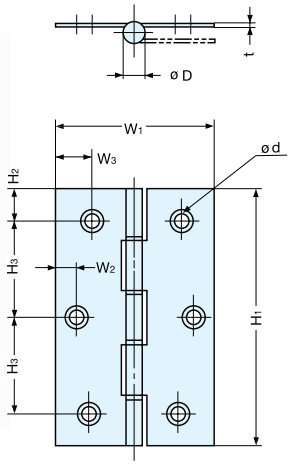
• Screw holes are not countersunk.

Material	Finish
304 Stainless Steel	Polished

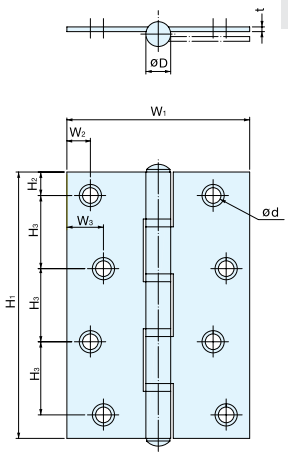
Item No.	H	P1	P2	P3	P4	Knuckles	Weight (g)	Box (pcs)	Carton (pcs)
KHA-25C	1" (25 mm)	1/4" (6 mm)	1/2" (13 mm)	-	-	3	13	200	800
KHA-30C	1-3/16" (30 mm)	1/4" (7 mm)	5/8" (16 mm)	-	-		16		
KHA-40C	1-9/16" (40 mm)		15/16" (24 mm)	-	-		21	150	600
KHA-50C	2" (50 mm)	5/16" (8 mm)	1-3/16" (30 mm)	-	-		26	100	400
KHA-60C	2-3/8" (60 mm)		7/8" (22 mm)	7/8" (22 mm)	-	5	31		
KHA-65C	2-9/16" (65 mm)	5/16" (8.5 mm)	15/16" (24 mm)	15/16" (24 mm)	-		34		
KHA-75C	2-15/16" (75 mm)	3/8" (9.5 mm)	1-1/8" (28 mm)	1-1/8" (28 mm)	-		39	50	200
KHA-80C	3-1/8" (80 mm)	3/8" (10 mm)	1-3/16" (30 mm)	1-3/16" (30 mm)	-		42		
KHA-90C	3-9/16" (90 mm)		1-3/8" (35 mm)	1-3/8" (35 mm)	-		47		
KHA-100C	3-15/16" (100 mm)	7/16" (11 mm)	1" (26 mm)	1" (26 mm)	1" (26 mm)		52		

BUTT HINGE (W/BUSHING) D-S



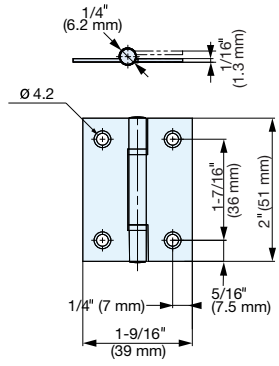


D-S-64~89A



D-S-102A/127A

• Stainless steel hinge with polyacetal bushing.



D-S-51A

Part Name	Material	Finish
Body	304 Stainless Steel	Satin
Bushing	Polyacetal	Natural

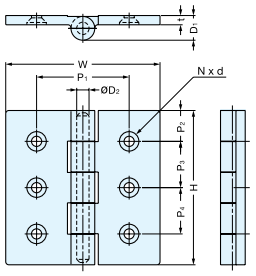
Item No.	H1	H2	H3	W1	W2	W3	D	t	d	Knuckles	Holes	Weight (g)	Box (pcs)	Carton (pcs)
D-S-51A	2" (51 mm)	5/16" (7.5 mm)	1-13/32" (36 mm)	1-7/16" (39 mm)	-	1/4" (7 mm)	1/4" (6.2 mm)	1/16" (1.3 mm)	3/16" (4.2 mm)	3	4	27.4	20	1000
D-S-64A	2-1/4" (64 mm)	1/4" (7 mm)	31/32" (25 mm)	1-11/16" (42.5 mm)	1/4" (6 mm)	5/16" (8 mm)			3/16" (5 mm)	5	6	36.5		800
D-S-76A	3" (76 mm)	3/8" (9 mm)	1-1/8" (29 mm)	2" (50 mm)	1/4" (7 mm)	3/8" (9 mm)	5/16" (7.4 mm)	1/16" (1.5 mm)	3/16" (5.2 mm)			59.5		480
D-S-89A	3-1/2" (89 mm)	7/16" (10.5 mm)	1-11/32" (34 mm)	2-1/4" (56.5 mm)	5/16" (7.5 mm)	7/16" (10.5 mm)	3/8" (9 mm)	1/16" (1.8 mm)	3/16" (5.4 mm)			91.6	10	280
D-S-102A	4" (102 mm)	3/8" (9 mm)	1-3/32" (28 mm)	2-3/4" (70 mm)	3/8" (9 mm)	9/16" (14 mm)	3/8" (9.5 mm)		1/4" (6 mm)		8	132.5		200
D-S-127A	5" (127 mm)	7/16" (11 mm)	1-3/8" (35 mm)	3-1/4" (82 mm)	7/16" (10.5 mm)	5/8" (16 mm)	7/16" (11.5 mm)					231.5	6	120

BUTT HINGE

NSF COMPONENT · RoHS compliant · STAINLESS 316 STEEL · NO SCREW

LSF





LSF-100 shown

- 316 Stainless Steel construction ideal for harsh and highly corrosive environments.

Material	Finish
316 Stainless Steel	Mirror

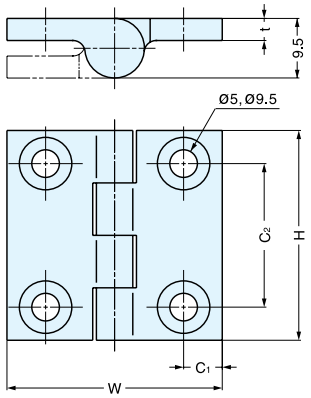
Item No.	H	W	P_1	P_2	P_3	P_4	t	D_1	D_2	Knuckles	N	d	Weight (g)	Box (pcs)	Carton (pcs)
LSF-50	2" (50 mm)	2" (50 mm)	1-3/8" (35 mm)	9/16" (15 mm)	13/16" (20 mm)	-	3/16" (5 mm)	9/16" (14 mm)	1/4" (6 mm)	3	3/16" (4 mm)	M4	110	20	100
LSF-65	2-9/16" (65 mm)	2-9/16" (65 mm)	1-9/16" (40 mm)		1-3/8" (35 mm)	-						M5	190		80
LSF-75	2-15/16" (75 mm)	2-15/16" (75 mm)	2" (50 mm)	11/16" (17.5 mm)	1-9/16" (40 mm)	-	1/4" (6 mm)	5/8" (16 mm)	5/16" (8 mm)			M6	305	10	50
LSF-100	3-15/16" (100 mm)	3-15/16" (100 mm)	2-3/8" (60 mm)	13/16" (20 mm)	1-3/16" (30 mm)	1-3/16" (30 mm)				5	1/4" (6 mm)		500		30

BUTT HINGE

RoHS compliant · STAINLESS 316 STEEL · NO SCREW

28300, 28400





- 316 Stainless Steel construction ideal for harsh and highly corrosive environments.
- Door weight: Max. 8.8 lbs/pair (4 kg/pair)
- Max. Door size: W17-3/4" × H27-9/16" × t13/16" (W450 × H700 × t21 mm)

Material	Finish
316 Stainless Steel	Mirror

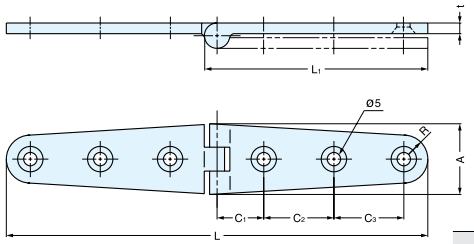
Item No.	H	W	t	C_1	C_2	Weight (g)	Box (pcs)	Carton (pcs)
28300	1-1/2" (38 mm)	1-17/32" (39 mm)	3/16" (4 mm)	1/4" (7 mm)	1" (26 mm)	55	20	100
28400	2" (50 mm)	2" (50 mm)		5/16" (7.5 mm)	1-5/16" (34 mm)	90		

LEAF HINGE

RoHS compliant · STAINLESS 316 STEEL · NO SCREW

50704, 50706





- 316 Stainless Steel construction ideal for harsh and highly corrosive environments.
- Door weight: Max. 5.7 lbs/pair (2.6 kg/pair)

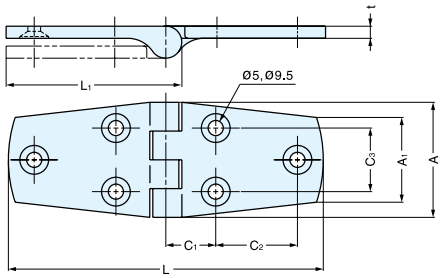
Material	Finish
316 Stainless Steel	Mirror

Item No.	L	L_1	C_1	C_2	C_3	A	R	t	Holes	Weight (g)	Box (pcs)	Carton (pcs)
50704	4-1/8" (105 mm)	2-1/4" (57 mm)	11/16" (17.5 mm)	1" (25 mm)	-	1-1/16" (26.5 mm)	3/8" (9 mm)	3/16" (4 mm)	4	75	20	100
50706	6-1/4" (158 mm)	3-5/16" (84 mm)	3/4" (19.5 mm)		1" (25 mm)				6	115		

BUTT HINGE

28000, 28500





- 316 Stainless Steel construction ideal for harsh and highly corrosive environments.
- Max. Door weight: 8.8 lbs/pair (4 kg/pair)
- Max. Door size: W17-3/4" × H27-9/16" × t13/16" (W45 × H700 × t21 mm)

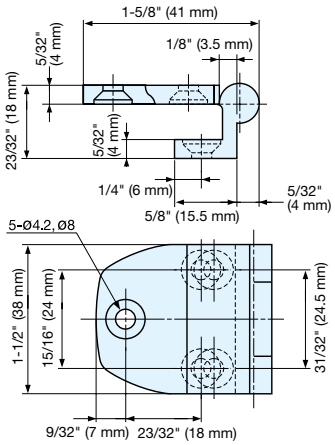
Material	Finish
316 Stainless Steel	Mirror

Item No.	L	L1	C1	C2	C3	A	A1	t	Weight (g)	Box (pcs)	Carton (pcs)
28500	2-15/16" (74 mm)	1-5/8" (42 mm)	1/2" (13 mm)	11/16" (17 mm)	13/16" (20 mm)	1-1/2" (38 mm)	1-1/8" (28 mm)	3/16" (4 mm)	85	20	100
28000	4-1/16" (104 mm)	2-1/4" (57 mm)	5/8" (16.5 mm)	1-1/16" (27 mm)	13/16" (21 mm)				115		

BUTT HINGE

28100





- 316 Stainless Steel construction ideal for harsh and highly corrosive environments.
- Max. Door weight: 8.8 lbs/pair (4 kg/pair)
- Max. Door size: W17-3/4" × H27-9/16" × t13/16" (W45 × H700 × t21 mm)

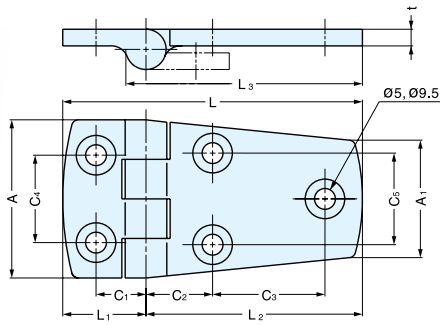
Item No.	Weight (g)	Box (pcs)	Carton (pcs)
28100	78.5	20	100

Material	Finish
316 Stainless Steel	Mirror

BUTT HINGE

27800, 27900





- 316 Stainless Steel construction ideal for harsh and highly corrosive environments.
- Max. Door weight: 8.8 lbs/pair (4 kg/pair)
- Max. Door size: W17-3/4" × H27-9/16" × t13/16" (W45 × H700 × t21 mm)

Material	Finish
316 Stainless Steel	Mirror

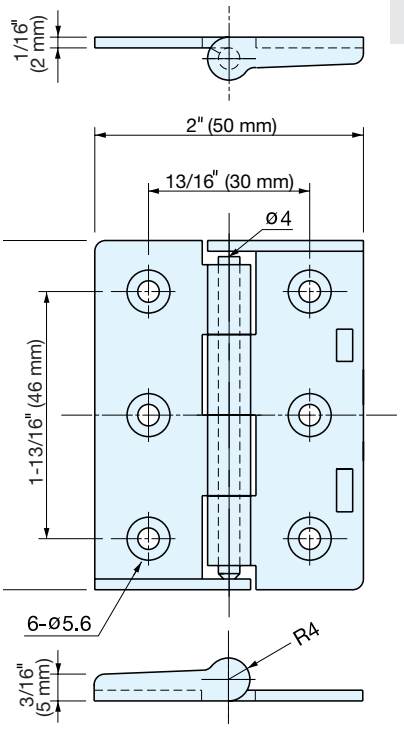
Item No.	L	L1	L2	L3	C1	C2	C3	C4	C5	A	A1	t	Weight (g)	Box (pcs)	Carton (pcs)
27900	2-1/4" (58 mm)	13/16" (20 mm)	1-1/2" (38 mm)	1-5/8" (42 mm)	1/2" (12 mm)	1/2" (13.5 mm)	5/8" (16.5 mm)	13/16" (21 mm)	13/16" (20 mm)	1-1/2" (38 mm)	1-1/8" (28 mm)	3/16" (4 mm)	70	20	100
27800	2-13/16" (72 mm)		2-1/16" (52 mm)	2-1/4" (57 mm)		5/8" (16 mm)	1-1/16" (27 mm)	7/8" (22 mm)	13/16" (21 mm)				85		

BUTT HINGE

RoHS compliant | STAINLESS 304 STEEL | NO SCREW

HG-BF1





- Rim on edges prevents pin removal.

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
HG-BF1	63	20	120

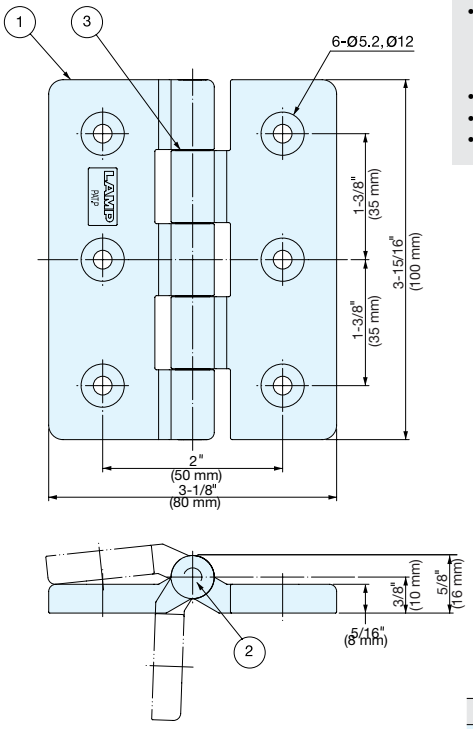
Material	Finish
304 Stainless Steel	Plain

CLEAN ROOM HINGE

NO SCREW

HG-P100





- Made with PVC material:
  - Ideal for semiconductor manufacturing machinery and transparent applications.
  - Weather proof, chemical proof
- Envionmentally friendly-Lead free.
- Titanium pin is used.
- Recommended screw size: M5

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
HG-P100	74	30	240

No.	Material	Finish
①	PVC	Clear
②	Titanium	Plain
③	Polyetheretherketone	-

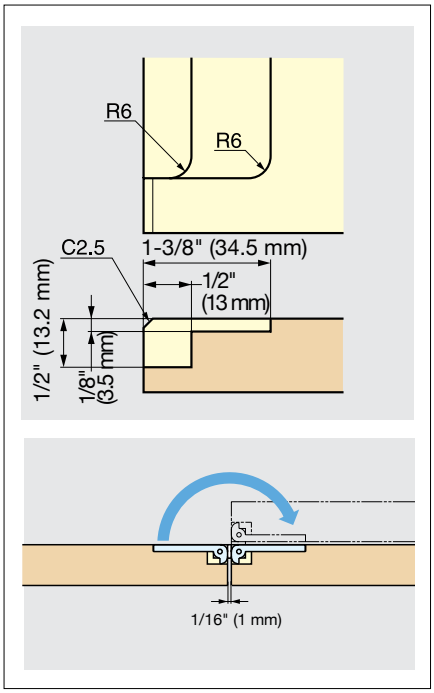
TABLETOP PIANO HINGE

STEEL

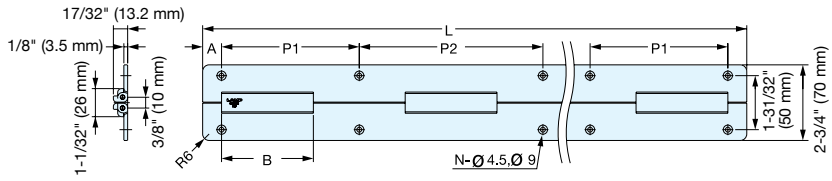
HG-MH

- Not a load bearing hinge, requires secondary support.





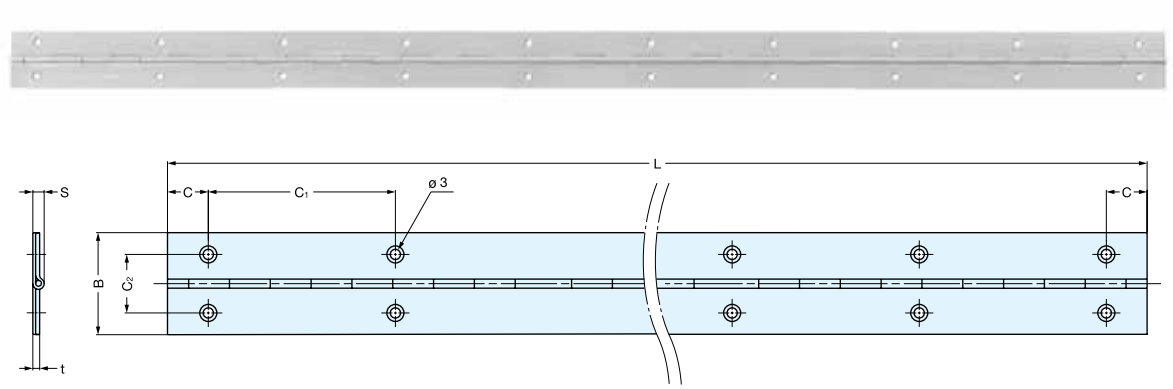
Installation



Item No.	Material	Finish/Color	L	A	P_1	P_2	B	# of Holes	Box (pcs)
HG-MH400S	Aluminum/ 304 Stainless Steel (Pin)	Silver	15-3/4" (400 mm)	9/16" (15 mm)	4-3/8" (111 mm)	5-13/16" (148 mm)	2-5/16" (74 mm)	8	15
HG-MH400BR		Brown							
HG-MH400BL		Black							
HG-MH800S		Silver	31-1/2" (800 mm)	11/16" (17.5 mm)	5" (127.5 mm)	6-11/16" (170 mm)	3-3/8" (85 mm)	12	10
HG-MH800BR		Brown							
HG-MH800BL		Black							
HG-MH1100S		Silver	43-5/16" (1100 mm)	5/8" (16.5 mm)	5-3/4" (145.5 mm)	7-5/8" (194 mm)	3-13/16" (97 mm)	14	6
HG-MH1100BR		Brown							
HG-MH1100BL		Black							

PIANO HINGE LSD-30

- Double folded construction provides extra rigidity.
- The knuckles on both ends are crimped to prevent the pin from being removed. The hinge pin does not occupy the crimped knuckles on both ends.

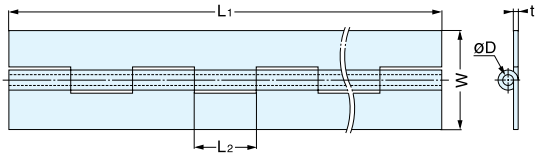


Material	Finish
304 Stainless Steel	Satin

Item No.	L	B	C	C_1	C_2	t	S	Holes	Weight (g)	Box (pcs)	Carton (pcs)
LSD-30-240	9-7/16" (240 mm)	1-3/16" (30 mm)	7/16" (10.5 mm)	1-11/16" (43.5 mm)	11/16" (17 mm)	1/16" (1.2 mm)	1/8" (3.5 mm)	12	65	20	200
LSD-30-300	11-13/16" (300 mm)			1-13/16" (46.3 mm)				14	80		
LSD-30-360	14-3/16" (360 mm)		9/16" (15 mm)	1-7/8" (47 mm)				16	95		
LSD-30-450	17-3/4" (450 mm)		9/16" (14.5 mm)	2-3/8" (60 mm)				16	120		100
LSD-30-600	23-5/8" (600 mm)		9/16" (14 mm)	2-1/2" (63.3 mm)				20	190		
LSD-30-900	35-7/16" (900 mm)			2-7/16" (62.3 mm)				30	280		

PIANO HINGE (WELD-ON) LSN





Item No.	L_1	L_2	W	t	D	Weight (g)	Box (pcs)	Carton (pcs)
LSN8-25-300	11-13/16" (300 mm)	1/2" (12.5 mm)	1" (25 mm)	1/16" (0.8 mm)	1/8" (2.6 mm)	66	20	200
LSN8-25-600	23-5/8" (600 mm)					135		
LSN8-25-1000	39-3/8" (1000 mm)					222		
LSN8-25-1800	70-7/8" (1800 mm)					400	10	100
LSN8-32-300	11-13/16" (300 mm)		1-1/4" (32 mm)			80		
LSN8-32-600	23-5/8" (600 mm)					159	20	200
LSN8-32-1000	39-3/8" (1000 mm)					272		
LSN8-32-1800	70-7/8" (1800 mm)					492		
LSN8-38-1000	39-3/8" (1000 mm)		1-1/2" (38 mm)			289		
LSN8-38-1800	70-7/8" (1800 mm)					542	10	100
LSN15-32-300	11-13/16" (300 mm)	13/16" (20 mm)	1-1/4" (32 mm)	1/16" (1.5 mm)	1/8" (3.5 mm)	78		
LSN15-32-350	13-3/4" (350 mm)					192		
LSN15-32-450	17-3/4" (450 mm)					248		
LSN15-32-600	23-5/8" (600 mm)					330		
LSN15-32-750	29-1/2" (750 mm)					410		
LSN15-32-850	33-7/16" (850 mm)					464		
LSN15-32-900	35-7/16" (900 mm)					498		
LSN15-32-1000	39-3/8" (1000 mm)					574		
LSN15-38-1000	39-3/8" (1000 mm)		1-1/2" (38 mm)			615	5	50
LSN15-38-1800	70-7/8" (1800 mm)					1121		
LSN15-50-1000	39-3/8" (1000 mm)		2" (50 mm)			759		
LSN15-50-1800	70-7/8" (1800 mm)					1367		
LSN20-50-1000	39-3/8" (1000 mm)	2" (50 mm)		1/16" (2 mm)	3/16" (5 mm)	774		

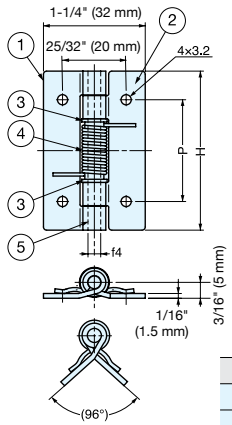


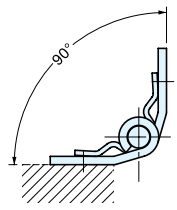
Material	Finish
304 Stainless Steel	Satin

HIGH DURABILITY SPRING HINGE HG-SHL



HG-SHL32 HG-SHL50 HG-SHL60





When applying the torque given in the table below

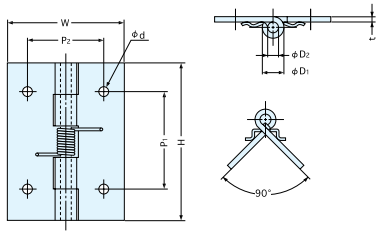
- Spring loaded to keep doors shut.
- Stainless steel suitable for corrosive environments.
- High durability; Passed 1,000,000 open/close private cycle tests.

No.	Part Name	Material	Finish/Color
①	Body	304 Stainless Steel	Polished
②	Body 2		
③	Collar	303 Stainless Steel	-
④	Spring	304 Stainless Steel	
⑤	Shaft	303 Stainless Steel	

Item No.	H	P	Load Capacity	Torque	Weight (g)	Box (pcs)	Carton (pcs)
HG-SHL32	1-1/4" (32 mm)	11/16" (18 mm)	8.8 lbs (4 kg)	0.42 lbs/in (0.48 kgf/cm)	20	50	500
HG-SHL50	2" (50 mm)	1-1/4" (32 mm)	13 lbs (6 kg)	0.79 lbs/in (0.91 kgf/cm)	30		
HG-SHL60	2-3/8" (60 mm)	1-9/16" (40 mm)		1.24 lbs/in (1.43 kgf/cm)	38		

BUTT HINGE (W/SPRING) HG-SH





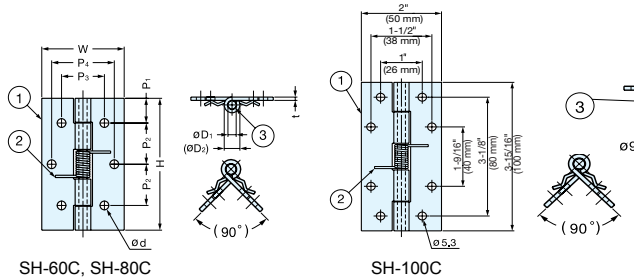
- Designed to close with spring tension when hinge is surface mounted.
- HG-SH20C has no screw holes.

Material	Finish
304 Stainless Steel	Plain

Item No.	H	W	P₁	P₂	D₁	D₂	d	t	Torsion Spring Force	Weight (g)	Box (pcs)	Carton (pcs)
HG-SH20C	13/16" (20 mm)	9/16" (14 mm)	-	-	1/16" (2.2 mm)	1/16" (1 mm)	-	1/16" (0.5 mm)	0.86 lbs·in (0.99 kg·cm)	11.5	800	3200
HG-SH25C	1" (25 mm)	1-1/4" (32 mm)	9/16" (14 mm)	13/16" (20 mm)	1/4" (5.8 mm)	1/8" (3 mm)	1/8" (3.2 mm)	1/16" (1.2 mm)	0.57 lbs·in (0.66 kg·cm)	10.0	300	1200
HG-SH38C	1-1/2" (38 mm)		1-1/32" (26 mm)		1/4" (6.5 mm)			1/16" (1.5 mm)	1.3 lbs·in (1.50 kg·cm)	20.0	200	800
HG-SH51C	2" (51 mm)	1-1/2" (38 mm)	1-1/4" (32 mm)	1" (25 mm)	1/4" (6.5 mm)				1.19 lbs·in (1.38 kg·cm)	35.0	130	520

BUTT HINGE (W/SPRING) SH





SH-60C, SH-80C SH-100C

- Designed to close with spring tension when hinge is surface mounted.

No.	Part Name	Material	Finish
①	Body	304 Stainless Steel	Polished
②	Spring		-
③	Hinge Pin		-

Item No.	H	W	t	P₁	P₂	P₃	P₄	D₁	(D₂)	d	Weight (g)	Box (pcs)	Carton (pcs)
SH-60C	2-3/8" (60)	1-9/16" (40)	1/16" (1.5)	3/8" (10)	13/16" (20)	1" (26)	1" (26)	3/16" (5)	5/16" (8.5)	3/16" (4.3)	44	120	1200
SH-80C	3-1/8" (80)	2" (50)	1/16" (2)	9/16" (15)	1" (25)		1-1/2" (38)		3/8" (9.5)	3/16" (5.3)	86	80	800
SH-100C	3-15/16" (100)	2" (50)	1/16" (2)	-	-						110	100	1000

() unit in mm.

QUICK RELEASE HINGE

RoHS compliant | STAINLESS 304 STEEL | STAINLESS 303 STEEL | NO SCREW

HG-OT

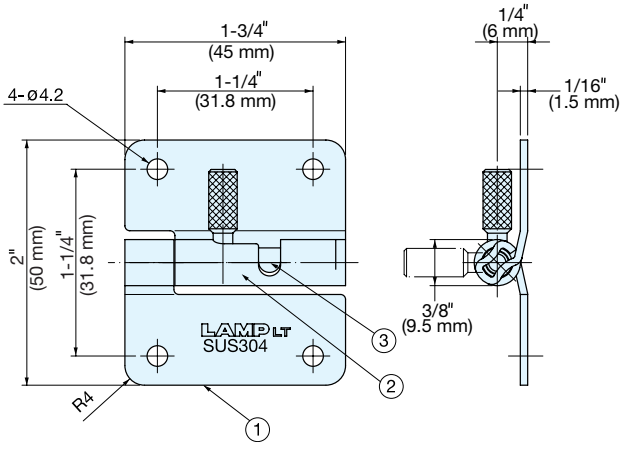


HG-OTA45L
With Screw Holes



HG-OTB45R
Without Screw Holes

- Easy and quick to install/remove doors.
- With or without holes available.
- Left handed and Right handed models available.
- Available as weld-on type without holes (HG-OTB) and screw-on type with holes (HG-OTA).



HG-OTA45L

Item No.		Holes	Weight (g)	Box (pcs)	Carton (pcs)
Left	Right				
HG-OTA45L	HG-OTA45R	With screw holes	40	30	300
HG-OTB45L	HG-OTB45R	Without screw holes			

No.	Part Name	Material	Finish
①	Plate	304 Stainless Steel	Satin
②	Spring		
③	Hinge Pin	303 Stainless Steel	

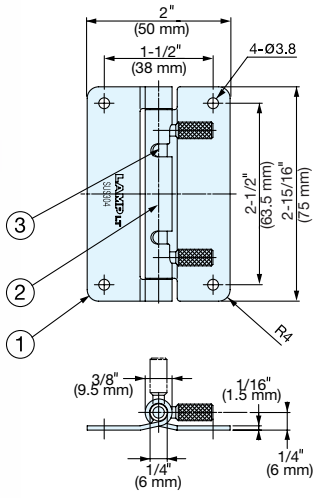
QUICK RELEASE HINGE

RoHS compliant | STAINLESS 304 STEEL | STAINLESS 303 STEEL | NO SCREW

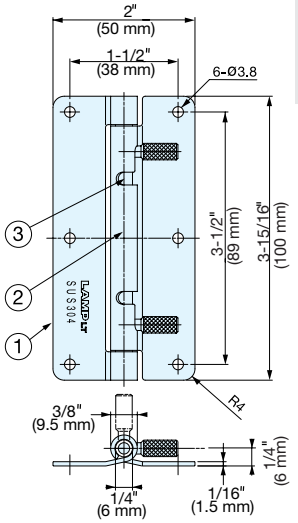
HG-OT



HG-OTB100 shown



HG-OTA75



HG-OTA100

- Easy and quick to install/remove doors.
- With or without holes available.
- Available as weld-on type without holes (HG-OTB) and screw-on type with holes (HG-OTA).
- Non-handed.



Item No.	Holes	Weight (g)	Box (pcs)	Carton (pcs)
HG-OTA75	With screw holes	70	40	160
HG-OTB75	Without screw holes			
HG-OTA100	With screw holes	90	30	120
HG-OTB100	Without screw holes			

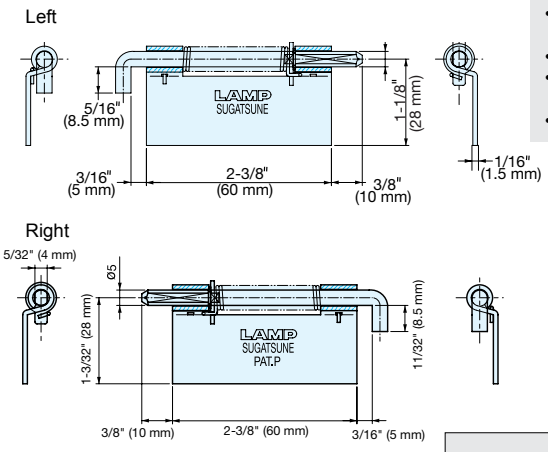
No.	Part Name	Material	Finish
①	Plate	304 Stainless Steel	Satin
②	Spring		
③	Hinge Pin	303 Stainless Steel	

SPRING LOADED PIVOT HINGE (WELD-ON)

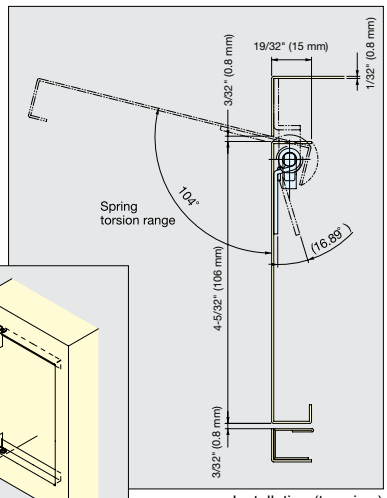
STAINLESS 304 STEEL

HG-PV60AC

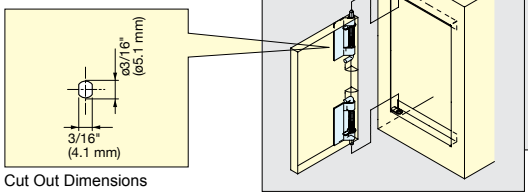




- Designed to close with spring tension when hinge is back-surface mounted.
- Lift pin for easy door installation and removal.
- Torsion moment (Hinge closed): 0.66 lb·in (0.76 kgf·cm) per piece
- Max. Door Weight: 4.4 lbs (2 kg/pair)



Installation (top view)



Cut Out Dimensions

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
HG-PV60AC-L	38	50	200
HG-PV60AC-R			

Material	Finish
304 Stainless Steel	Plain

BUTT HINGE (W/SPRING)

RoHS compliant | STAINLESS 304 STEEL | NO SCREW

HG-BF3

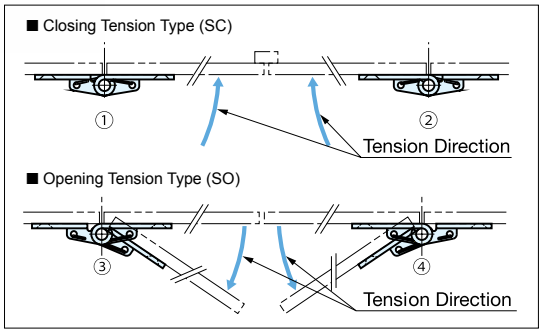
- Spring loaded hinges to keep doors open or closed (2 versions available).
- 304 stainless steel.

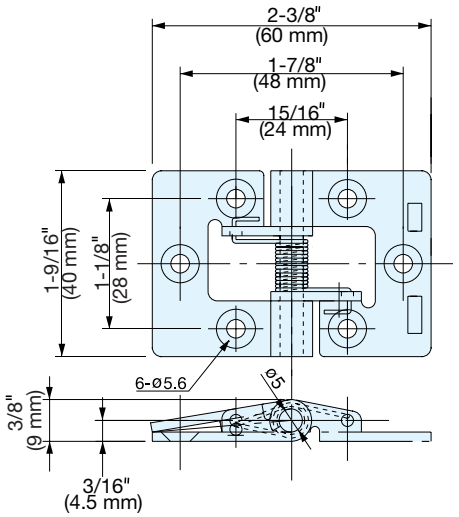


SC type (Closing Tension)



SO type (Opening Tension)





Item No.		Tension Direction	Weight (g)	Box (pcs)	Carton (pcs)
Left	Right				
③HG-BF3-2L-SO	④HG-BF3-2R-SO	Opening Tension	41	20	120
①HG-BF3-2L-SC	②HG-BF3-2R-SC	Closing Tension			

Material	Finish
304 Stainless Steel	Plain

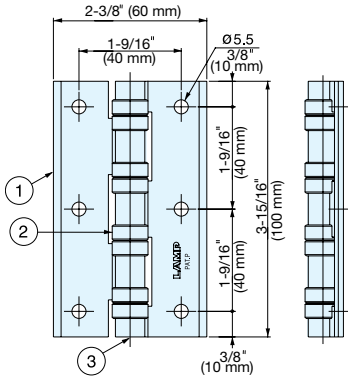
CLEAN ROOM HINGE (W/BUSHING) HG-CV

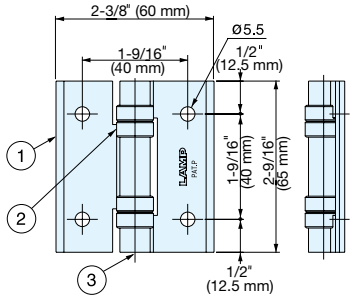


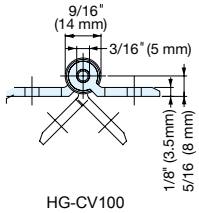
HG-CV65



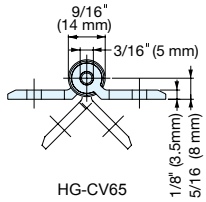
HG-CV100







HG-CV100



HG-CV65

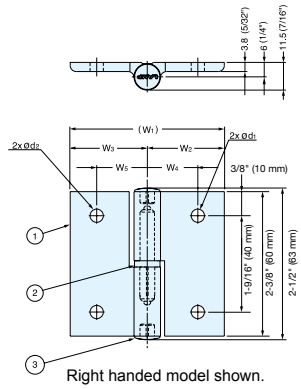
- No metal-to-metal contact.
- Polyacetal bushings minimize particles.
- Ideal for clean room application.
- Max. Door weight:
  HG-CV65: 17.6 lbs/pair (8 kg/pair)
  HG-CV100: 28.6 lbs/pair (13 kg/pair)

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
HG-CV65	50	20	240
HG-CV100	78		160

No.	Part Name	Material	Finish
①	Body	Aluminum	Anodized
②	Bushing	Polyacetal	White
③	Hinge Pin	304 Stainless Steel	-

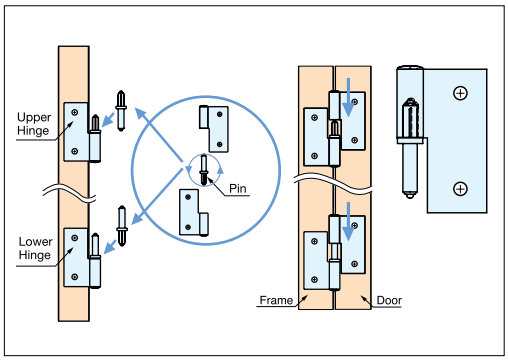
ALUMINUM LIFT-OFF HINGES AS-HG-AL-N





Right handed model shown.

- Designed for aluminum profiles.
- Plastic bushings provide smooth movement.



Installation

No.	Part Name	Material	Finish
①	Body	Aluminum	Matte Silver
②	Pin	Stainless Steel (SUS303), Polyacetal (POM)	White
③	Cover	Polyacetal (POM)	White

Item No.	Spec.	W_1	W_2	W_3	W_4	W_5	d_1	d_2	Box (pcs)	Carton (pcs)
AS-HG-AL-NL3020	Left	1-11/16" (43 mm)	11/16" (18 mm)	1" (25 mm)	7/16" (11 mm)	5/8" (16 mm)	3/16" (4.5 mm)	1/4" (5.5 mm)	20	240
AS-HG-AL-NR3020	Right									
AS-HG-AL-NL3030	Left	2" (50 mm)	1" (25 mm)		5/8" (16 mm)		1/4" (5.5 mm)			
AS-HG-AL-NR3030	Right									
AS-HG-AL-NL3040	Left	2-1/4" (57 mm)		1-1/4" (32 mm)		13/16" (21 mm)				
AS-HG-AL-NR3040	Right									
AS-HG-AL-NL4020	Left	2" (50 mm)	11/16" (18 mm)		7/16" (11 mm)		3/16" (4.5 mm)			
AS-HG-AL-NR4020	Right									
AS-HG-AL-NL4040	Left	2-1/2" (64 mm)	1-1/4" (32 mm)		13/16" (21 mm)		1/4" (5.5 mm)			
AS-HG-AL-NR4040	Right									

LIFT-OFF HINGE

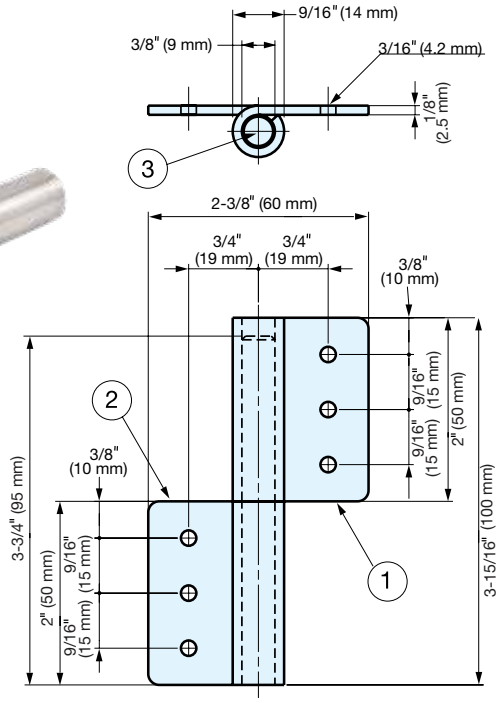
RoHS compliant | STAINLESS 304 STEEL | NO SCREW

LSX-100

- Left and Right handed available.



Left-Hand Opening



Item No.		Weight (g)	Box (pcs)	Carton (pcs)
Left	Right			
LSX-100L	LSX-100R	170	10	50

No.	Part Name	Material	Finish
①	Body A	304 Stainless Steel	Mirror
②	Body B		
③	Pin		-

LIFT-OFF HINGE (WELD-ON)

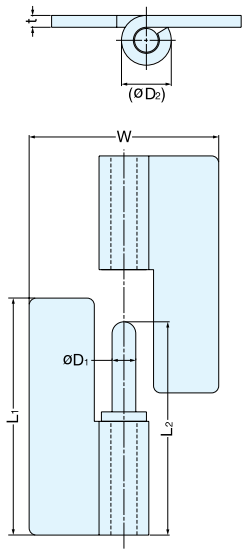
RoHS compliant | STAINLESS 304 STEEL

HNH

- Weld-on type lift-off hinge.
- Left and Right handed available.



Right-Hand Opening



Material	Finish
304 Stainless Steel	Mirror

Item No.		L1	L2	W	D1	(D2)	t	Weight (g)	Box (pcs)	Carton (pcs)
Left	Right									
HNH-50CL	HNH-50CR	2" (50 mm)	1-3/4" (45 mm)	1-9/16" (40 mm)	3/16" (5 mm)	7/16" (10.5 mm)	1/8" (2.5 mm)	60	30	240
HNH-65CL	HNH-65CR	2-9/16" (65 mm)	2-3/8" (60 mm)	2" (50 mm)				89	20	160
HNH-75CL	HNH-75CR	2-15/16" (75 mm)	2-3/4" (70 mm)	2-3/4" (70 mm)	1/4" (6 mm)	1/2" (12 mm)	1/8" (3 mm)	165	10	80
HNH-100CL	HNH-100CR	3-15/16" (100 mm)	3-9/16" (90 mm)	3-1/4" (82 mm)	5/16" (8 mm)	5/8" (16 mm)	3/16" (4 mm)	347	5	40

LIFT-OFF HINGE

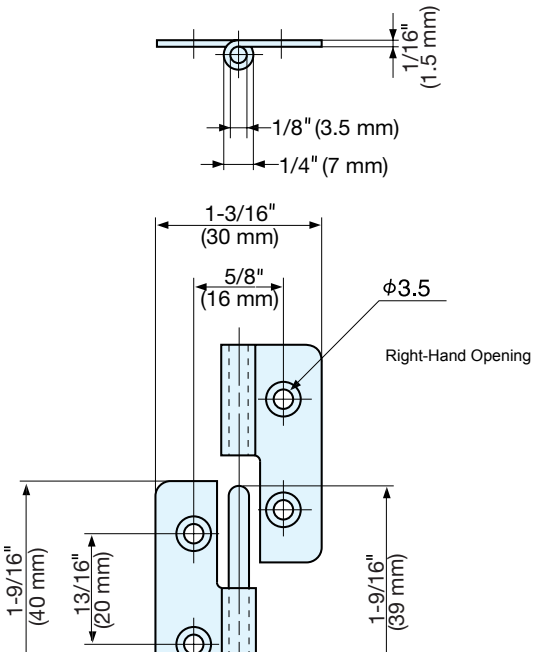
RoHS compliant | STAINLESS 304 STEEL | NO SCREW

NH-40

• Left and Right handed available.



Left Right



Item No.		Weight (g)	Box (pcs)	Carton (pcs)
Left	Right			
NH-40L/SS	NH-40R/SS	21	150	600

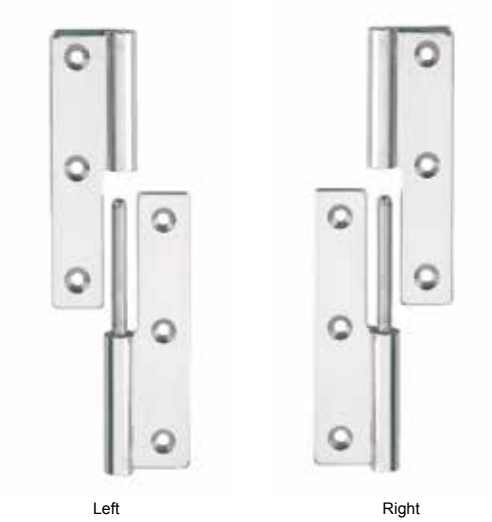
Material	Finish
304 Stainless Steel	Polished

LIFT-OFF HINGE

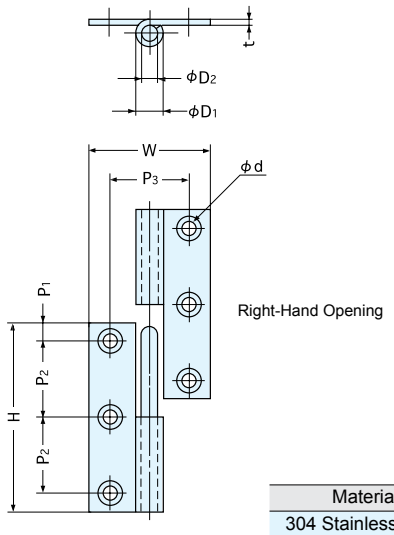
RoHS compliant | STAINLESS 304 STEEL | NO SCREW

KN

• Left and Right handed available.



Left Right



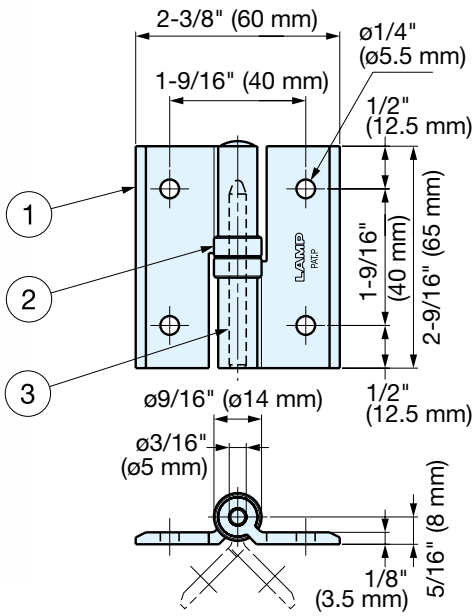
Material	Finish
304 Stainless Steel	Polished

Item No.		H	W	P1	P2	P3	D1	D2	d	t	Weight (g)	Box (pcs)	Carton (pcs)
Left	Right												
KN-50L/SS	KN-50R/SS	2" (50 mm)	1-1/4" (32 mm)	3/16" (5 mm)	13/16" (20 mm)	13/16" (21 mm)	5/16" (7.5 mm)	3/16" (4 mm)	1/8" (3.2 mm)	1/16" (1.5 mm)	32	100	400
KN-64L/SS	KN-64R/SS	2-1/2" (64 mm)	1-7/16" (36 mm)	5/16" (8 mm)	15/16" (24 mm)	15/16" (24 mm)					44		
KN-75L/SS	KN-75R/SS	2-15/16" (75 mm)	1-1/2" (38 mm)	5/16" (7.5 mm)	1-3/16" (30 mm)		5/16" (8.5 mm)			1/16" (2 mm)	64	50	200

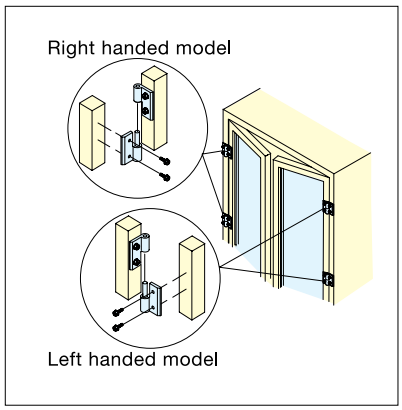
CLEAN ROOM HINGE (W/BUSHING) HG-CV65N



Left-Hand Opening



- No metal-to-metal contact.
- Polyacetal bushings minimize particles.
- Ideal for clean room application.



Installation Example

Item No.	Type	Weight (g)	Box (pcs)	Carton (pcs)
HG-CV65NR	Right Hand	49	20	200
HG-CV65NL	Left Hand			

No.	Part Name	Material	Finish
①	Body	Aluminum	Anodized
②	Bushing	Polyacetal	White
③	Hinge Pin	303 Stainless Steel	-

Need handles for your project?

See pages 225 ~ 304



OVERLAY DOOR ANGLE HINGE

3.1×16 STEEL

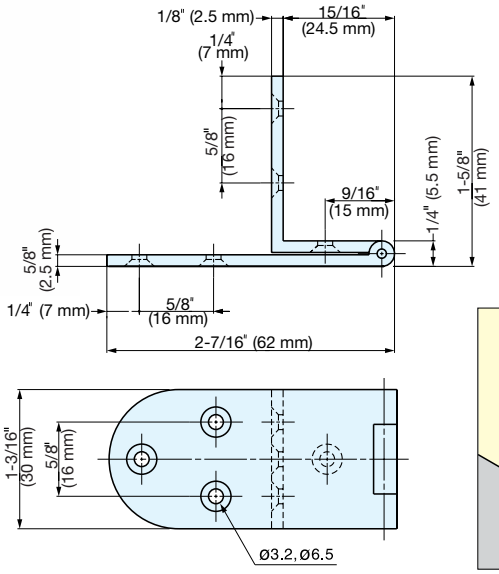
AHA-24

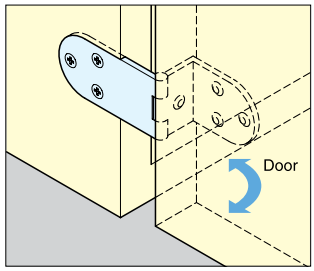


AHA-24/SB

AHA-24/SN

- Recommended Door Specifications:
  Thickness: Recess Mount- 1-1/16" (27 mm); Surface Mount- 1" (24.5 mm)
  Width: Max. 17-3/4" (450 mm)
  Height: Max. 27-9/16" (700 mm)
  Weight: Max. 5.7 lbs (2.6 kg) per pair





Item No.		Weight (g)	Box (pcs)	Carton (pcs)
AHA-24/SB	AHA-24/SN	70	50	200

Material	Finish
Brass	Satin Brass (SB) Satin Nickel (SN)

OVERLAY DOOR ANGLE HINGE

3.1×16 STEEL

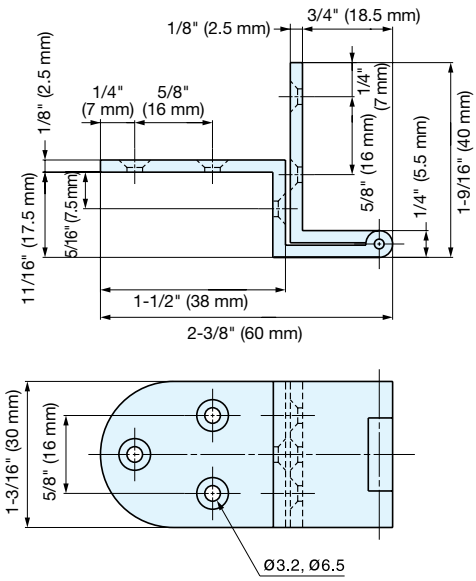
AHB-18

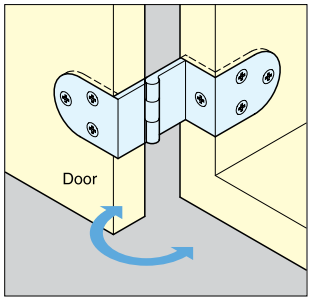


AHB-18/SB

AHB-18/SN

- Recommended Door Specifications:
  Thickness: Recess Mount-13/16" (21 mm); Surface Mount- 11/16" (18 mm)
  Width: Max. 17-3/4" (450 mm)
  Height: Max. 27-9/16" (700 mm)
  Weight: Max. 5.7 lbs (2.6 kg) per pair





Item No.		Weight (g)	Box (pcs)	Carton (pcs)
AHB-18/SB	AHB-18/SN	76	50	200

Material	Finish
Brass	Satin Brass (SB) Satin Nickel (SN)

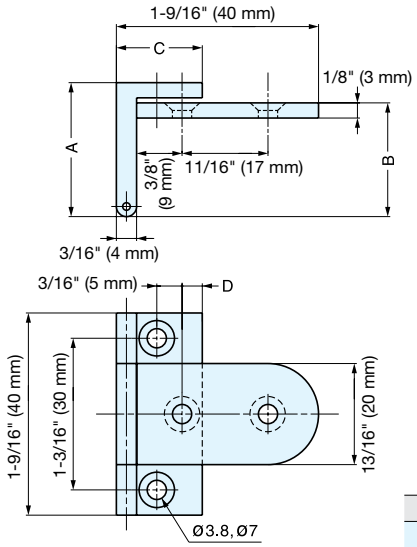
OVERLAY DOOR ANGLE HINGE AHS

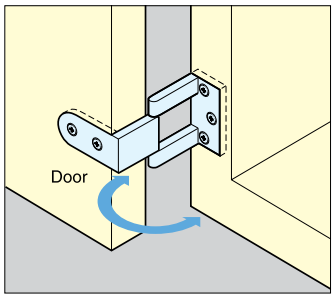
3.5×16 STEEL

- Recommended Door Specifications:
  Thickness: Recess Mount-for AHS-20, 7/8" (22.5 mm); for AHS-24, 1-1/16" (27 mm)
  Surface Mount-for AHS-20, 3/4" (19.5 mm); for AHS-24, 1" (24 mm)
  Width: Max. 17-3/4" (450 mm)
  Height: Max. 27-9/16" (700 mm)
  Weight: Max. 5.7 lbs (2.6 kg) per pair



AHS-24/SN





Material	Finish
Brass	Satin Nickel (SN)

Item No.	A	B	C	D	Weight (g)	Box (pcs)	Carton (pcs)
AHS-20/SN	1-1/16" (26.5 mm)	7/8" (22.5 mm)	11/16" (17 mm)	3/16" (4 mm)	61	20	360
AHS-24/SN	1-3/16" (30.5 mm)	1-1/16" (27 mm)	13/16" (20 mm)	1/4" (5.5 mm)	69		

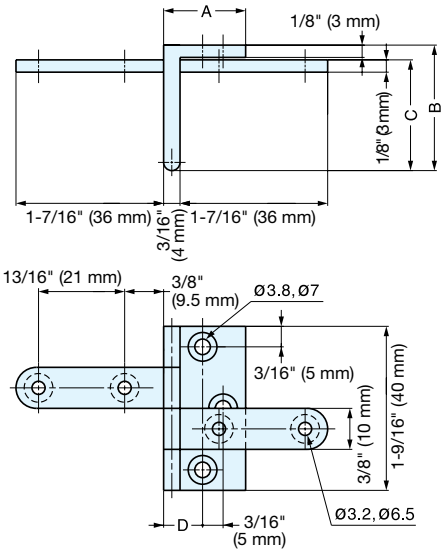
OVERLAY DOOR ANGLE HINGE AHW

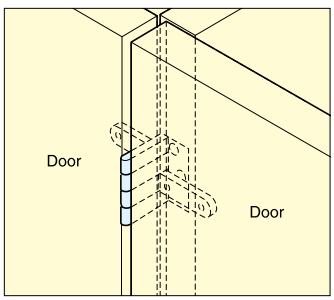
3.5×16 STEEL

- Recommended Door Specifications:
  Thickness: Recess Mount-for AHW-20, 7/8" (22.5 mm); for AHW-24, 1-1/16" (27 mm)
  Surface Mount-for AHW-20, 3/4" (19.5 mm); for AHW-24, 1" (24 mm)
  Width: Max. 17-3/4" (450 mm)
  Height: Max. 27-9/16" (700 mm)
  Weight: Max. 5.7 lbs (2.6 kg) per pair



AHW-24/SN





Material	Finish
Brass	Satin Nickel (SN)

Item No.	A	B	C	D	Weight (g)	Box (pcs)	Carton (pcs)
AHW-20/SN	11/16" (17 mm)	1-1/16" (26.5)	7/8" (22.5 mm)	5/16" (8 mm)	61	25	200
AHW-24/SN	13/16" (20 mm)	1-3/16" (30.5)	1-1/16" (27 mm)	3/8" (9.5 mm)	69	20	80

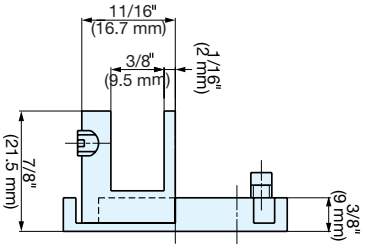
PIVOT TYPE INSET GLASS DOOR HINGE

NO SCREW

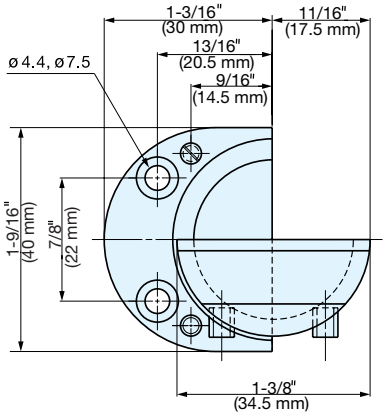
GP-40



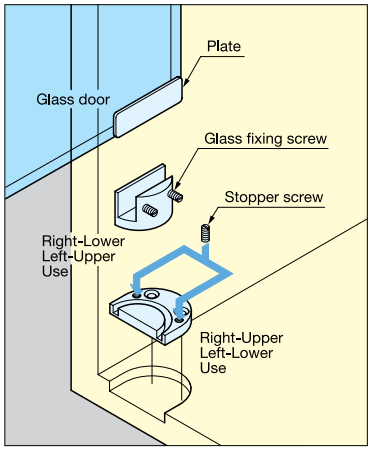
- Pressure-fit hinge.
- Glass door hinge for inset use.
- Door Size: Max. W17-3/4" × H27-9/16" × t5/16" (W450 × H700 × t8 mm)
- Door Weight: Max. 8.8 lbs/pair (4 kg/pair)
- Glass Door Thickness: Max. 5/16" (8 mm)
- Pre-drilling on glass not required.
- Non-handed.



(side view)



(top view)



Change the stopper screw position accordingly to install on left/right/top/bottom.

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
GP-40	76	35	350

Material	Finish
Brass	Satin Nickel

OVERLAY DOOR PIVOT HINGE

RoHS compliant

STAINLESS 430 STEEL

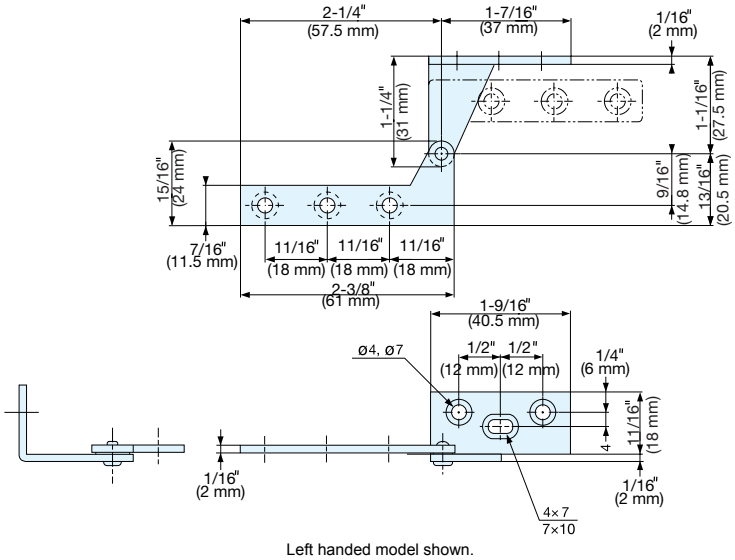
NO SCREW

PL-60

- Door Size: Max. W17-3/4" × H27-9/16" × (t7/8"W450 × H700 × t22 mm)
- Door Weight: Max. 5.7 lbs/ pair (2.6 kg/pair)



Left handed model shown.



Left handed model shown.

Item No.		Weight (g)	Box (pcs)	Carton (pcs)
Left	Right			
PL-60L	PL-60R	27	100	1000

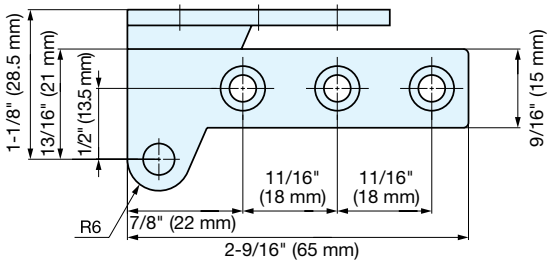
Material	Finish
430 Stainless Steel	Plain

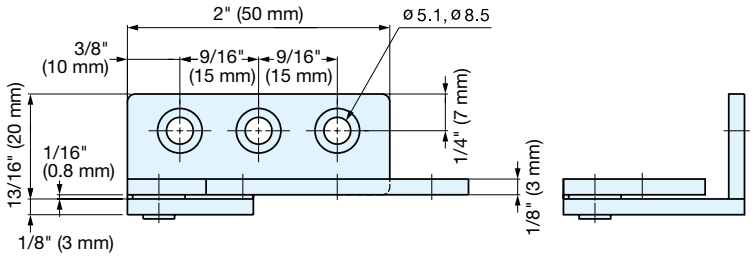
OVERLAY DOOR PIVOT HINGE PL-65



Left handed model shown.

- Door Size: Max. W17-3/4" × H27-9/16" × t7/8" (W450 × H700 × t22 mm)
- Door Weight: Max. 8.8 lbs/ pair (4 kg/pair)





Left handed model shown.

Item No.		Weight (g)	Box (pcs)	Carton (pcs)
Left	Right			
PL-65L	PL-65R	55	40	400

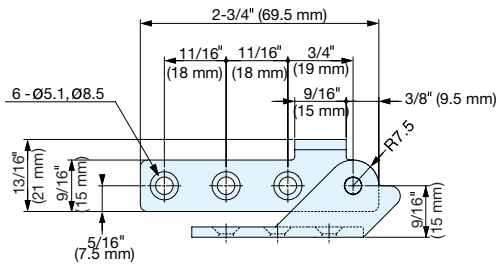
Material	Finish
430 Stainless Steel	Plain

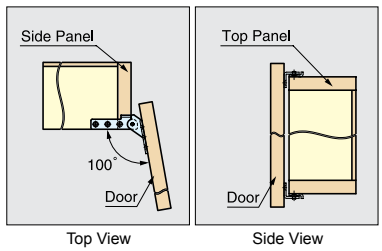
OVERLAY DOOR PIVOT HINGE PL-100



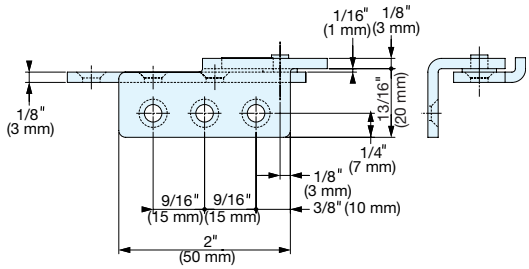
Right handed model shown.

- Door Size: Max. W23-5/8" × H29-1/2" (W600 x H750 mm)
- Door Weight: Max. 13.2 lbs/pair (6 kg/pair)





Top View Side View



Left handed model shown.

Item No.		Weight (g)	Box (pcs)	Carton (pcs)
Left	Right			
PL-100L	PL-100R	55	100	1000

Material	Finish
304 Stainless Steel	Plain

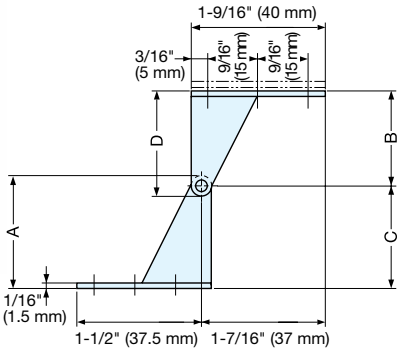
OVERLAY DOOR PIVOT HINGE

RoHS compliant | STAINLESS 430 STEEL | NO SCREW

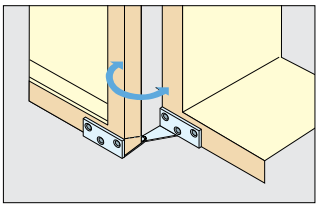
WP



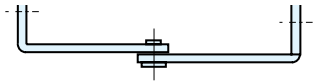
Left handed model shown.



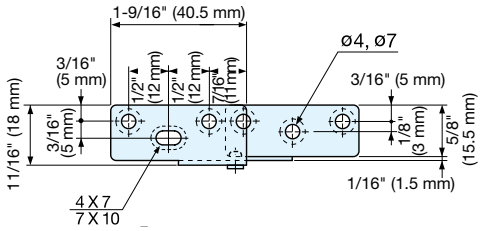
- Door Size: Max. W11-13/16" × H27-9/16" (W300 × H700 mm)
- Door Thickness:
  WP-1L/R-Max. 15/16" (24 mm)
  WP-3L/R-Max. 11/16" (18 mm)
- Door Weight: Max. 3.9 lbs/pair (1.8 kg/pair)



Installation



Left-Hand Opening



Material	Finish
430 Stainless Steel	Plain

Item No.		A	B	C	D	Weight (g)	Box (pcs)	Carton (pcs)
Left	Right							
WP-1L	WP-1R	1-5/16" (34 mm)	1-1/8" (28 mm)	1-3/16" (30.5 mm)	1-1/4" (31 mm)	23	100	1000
WP-3L	WP-3R	1-1/8" (28 mm)	7/8" (22 mm)	15/16" (24.5 mm)	1" (25 mm)	21		

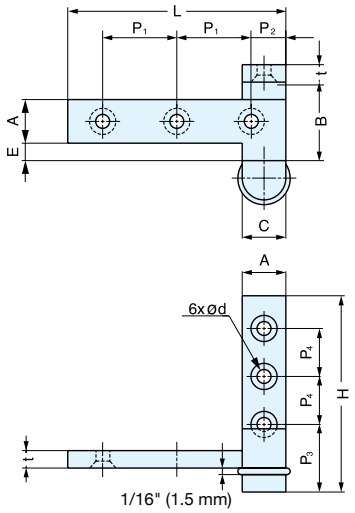
OVERLAY DOOR PIVOT HINGE

STAINLESS

PAS

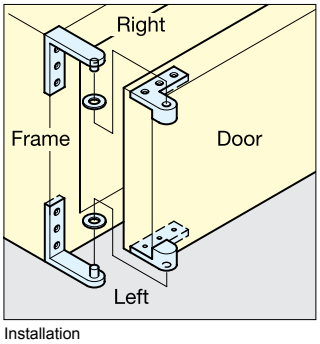


Left handed model shown.



Right handed model shown.

- Door Size: Max. W17-3/4" × H27-9/16" (W450 × H700 mm)
- Recommended Door Thickness:
  PAS-50, 60 : 13/16" (21 mm)
  PAS-80 : 1" (25 mm)
  PAS-95 : 1-3/16" (30 mm)
- Door Weight:
  PAS-50, 60: Max. 5.7 lbs/pair (2.6 kg/pair)
  PAS-80, 95: Max. 8.8 lbs/pair (4 kg/pair)



Installation

Material	Finish
Brass	Satin Nickel

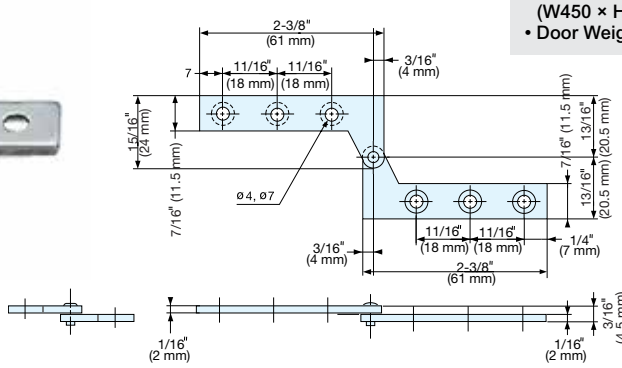
Item No.	L	t	H	A	B	C	E	P1	P2	P3	P4	d	Weight (g)	Box (set)	Carton (set)
PAS-50	2" (50)	3/16" (4)	1-3/4" (45)	3/8" (10)	7/8" (22)	3/8" (10)	3/16" (4)	11/16" (17)	5/16" (8)	5/8" (15.5)	7/16" (11)	1/8" (3.2)	43	10	200
PAS-60	2-3/8" (60)	3/16" (4.5)	2" (50)	1/2" (12)		1/2" (12)		13/16" (21)	3/8" (9)	5/8" (16)	1/2" (13.5)		62		
PAS-80	3-1/8" (80)	1/4" (6)	2-3/4" (70)	5/8" (16)	1-1/16" (26.5)	9/16" (15)		1-3/16" (30)	3/8" (10)	15/16" (24)	3/4" (19)	3/16" (4.2)	161	8	32
PAS-95	3-3/4" (95)	1/4" (6.5)	3-1/8" (80)	3/4" (19)	1-1/4" (31.5)	5/8" (16)	3/8" (9)	1-3/8" (35)	1/2" (12.5)	1" (26)	7/8" (22)		233	6	24

() units in mm.

INSET DOOR PIVOT HINGE PP



Left handed model shown.



Right handed model shown.

- Door Size: Max. W17-3/4" × H27-9/16" (W450 × H700 mm)
- Door Weight: Max. 5.7 lbs/pair (2.6 kg/pair)

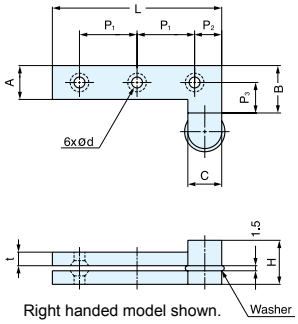
Item No.		Weight (g)	Box (pcs)	Carton (pcs)
Left	Right			
PP-L	PP-R	22	100	1000

Material	Finish
430 Stainless Steel	Plain

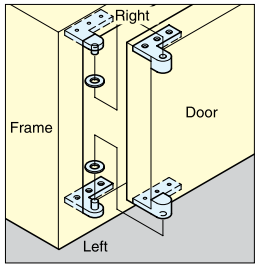
INSET DOOR PIVOT HINGE PH



Left handed model shown.



Right handed model shown.



Installation

- Door Size: Max. W17-3/4" × H27-9/16" (W450 × H700 mm)
- Recommended Door Thickness:
  PH-50 : Min. 9/16" (14 mm)
  PH-60 : Min. 10/16" (16 mm)
  PH-80 : Min. 3/4" (20 mm)
  PH-95 : Min. 1-1/8" (28 mm)
- Door Weight:
  PH-50, 60: Max. 5.7 lbs/pair (2.6 kg/pair)
  PH-80, 95: Max. 8.8 lbs/pair (4 kg/pair)

Material	Finish
Brass	Satin Nickel

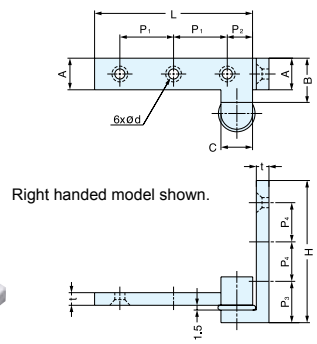
Item No.	L	t	H	A	B	C	P1	P2	P3	d	Door Thickness	Weight (g)	Box (pcs)	Carton (pcs)	Screws
PH-50	2" (50)	3/16" (4)	1/2" (13)	3/8" (10)	9/16" (14)	3/8" (10)	11/16" (17)	5/16" (8)	3/8" (9)	1/8" (3.2)	9/16" (14 mm)	40	10	20	3.1 × 20
PH-60	2-3/8" (60)	3/16" (4.5)		1/2" (12)	5/8" (16)	1/2" (12)	13/16" (21)	3/8" (9)			5/8" (16 mm)	60			
PH-80	3-1/8" (80)	1/4" (6)	7/8" (22)	5/8" (16)	13/16" (20)	9/16" (15)	1-3/16" (30)	3/8" (10)	1/2" (12)	3/16" (4.2)	13/16" (20 mm)	170	8	32	3.8 × 25
PH-95	3-3/4" (95)	1/4" (6.5)		3/4" (19)	1-1/8" (28)	5/8" (16)	1-3/8" (35)	1/2" (12.5)	3/4" (18.5)		1-1/8" (28 mm)	250	6	24	

() units in mm.

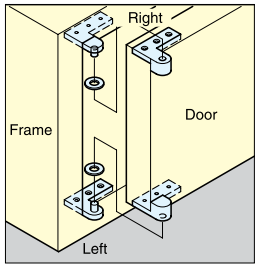
INSET DOOR PIVOT HINGE PAW



Left handed model shown.



Right handed model shown.



Installation

- Door Size: Max. W17-3/4" × H27-9/16" (W450 × H700 mm)
- Recommended Door Thickness:
  PAW-50 : 9/16" (14 mm)
  PAW-60 : 10/16" (16 mm)
  PAW-80 : 3/4" (20 mm)
  PAW-95 : 1-1/8" (28 mm)
- Door Weight:
  PAW-50, 60: Max. 5.7 lbs/pair (2.6 kg/pair)
  PAW-80, 95: Max. 8.8 lbs/pair (4 kg/pair)

Material	Finish
Brass	Satin Nickel

Item No.	L	t	H	A	B	C	P1	P2	P3	P4	d	Door Thickness	Weight (g)	Box (set)	Carton (set)	Screws
PAW-50	2" (50)	3/16" (4)	1-3/4" (45)	3/8" (10)	9/16" (14)	3/8" (10)	11/16" (17)	5/16" (8)	1/2" (13)	1/2" (12.5)	1/8" (3.2)	9/16" (14 mm)	43	10	200	3.1 × 20
PAW-60	2-3/8" (60)	3/16" (4.5)	2" (50)	1/2" (12)	5/8" (16)	1/2" (12)	13/16" (21)	3/8" (9)	1/2" (12.5)	5/8" (15.5)		5/8" (16 mm)	62			
PAW-80	3-1/8" (80)	1/4" (6)	2-3/4" (70)	5/8" (16)	13/16" (20)	9/16" (15)	1-3/16" (30)	3/8" (10)	9/16" (15)	15/16" (23)	3/16" (4.2)	13/16" (20 mm)	172	8	32	3.8 × 25
PAW-95	3-3/4" (95)	1/4" (6.5)	3-1/8" (80)	3/4" (19)	1-1/8" (28)	5/8" (16)	1-3/8" (35)	1/2" (12.5)	11/16" (18)	1" (25.5)		1-1/8" (28 mm)	248	6	24	

() units in mm.

DROP LID HINGE (ADJUSTABLE TYPE) SDH-001

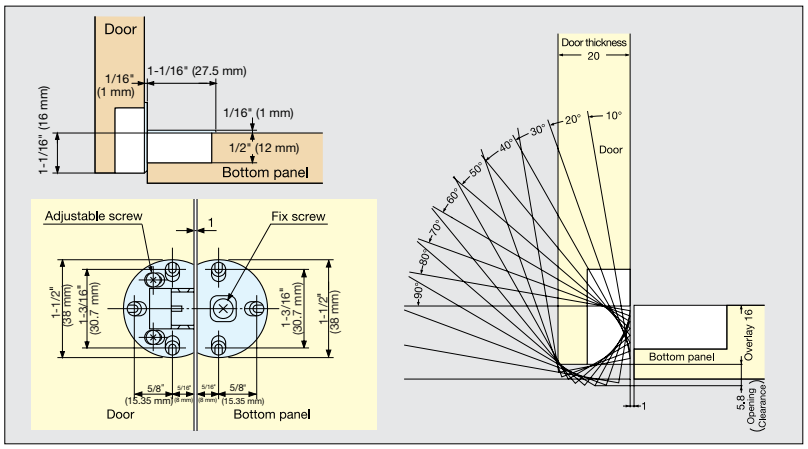


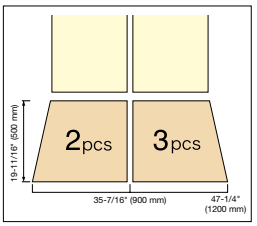
SDH-001/NI



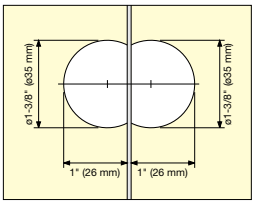
SDH-001/BLK

- Opening angle 90˚.
- 2-way adjustment. (Overlay and door gap)
- Flush when opened, ideal for writing desk application.
- Can be used with soft down stay SDS-100, NSDX-10 or HDS-10.
- Door Thickness: 5/8"~3/4" (16~20 mm)
- Overlay Coverage: 9/16"~5/8" (14~16 mm)
- Painted round head screws available for SDH-001/BLK (3 × 13) at a surcharge (Item No. SDH-001-S-BL).





Recommended use



Bore Dimensions

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
SDH-001/NI	79	50	200
SDH-001/BLK			

Material	Finish
Zinc Alloy	Nickel
	Black

DROP LID HINGE (3-WAY ADJUSTMENT) SDH-P

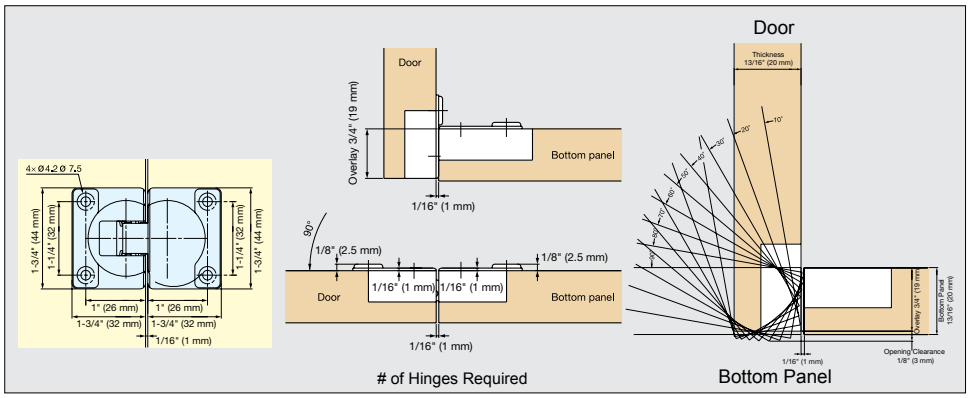


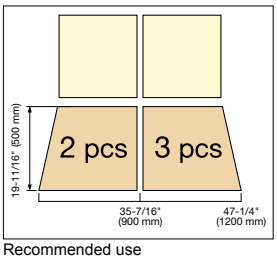
SDH-P/BL

SDH-P/NI

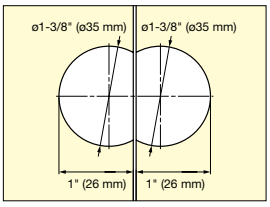
SDH-P/WT

- 3-way adjustment (overlay, horizontal, door gap).
- Flush when opened.
- Can be used with soft down stay CSD-10-TV, SDS-100 or NSDX-10.
- Door Thickness: 5/8"~25/32" (16~20 mm).
- Overlay Coverage: 5/8"~3/4" (16~19 mm).





Recommended use



Bore Dimensions

Item No.	Finish/Color	Box (sets)	Carton (sets)
SDH-P/BL	Nickel/Black Covers	50	100
SDH-P/NI	Nickel/Nickel Covers		
SDH-P/WT	Nickel/White Covers		

No.	Part Name	Material	Finish
①	Hinge Body	Steel	Nickel
②	Cover	ABS	Black/Nickel/White

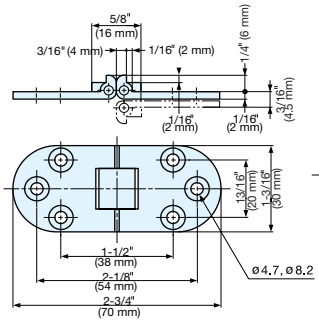
TABLETOP HINGE

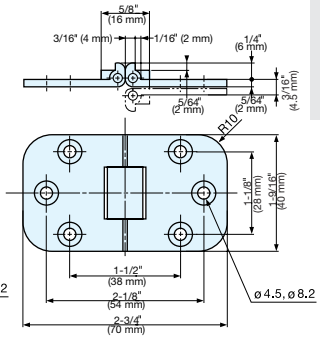
3.8×16 STEEL

SMH-30, 40


SMH-30/SN


SMH-40/CR





- Double pivot hinge with 180° opening.
- Door Size: Max. W450 × H700 × t21 mm (W17-3/4" × H27-9/16" × t53/64")
- Door Weight: Max. 4 kg/pair (8.8 lbs/pair)
- Creates a flush surface when hinge is recessed into a tabletop, tray, etc.

Please specify the finish when ordering.

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
SMH-30	45	24	360
SMH-40	64	16	240

Material	Finish
Brass	Satin Nickel (SN) Chrome (CR)

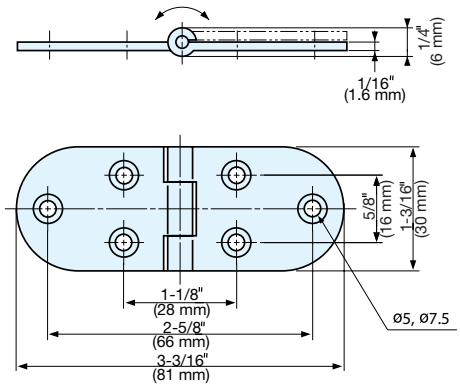
TABLETOP HINGE

NSF COMPONENT · RoHS compliant · STAINLESS

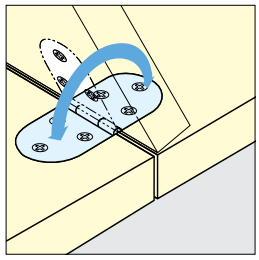
SMH-83


SMH-83/S

SMH-83/CR



- Door Size: Max. W17-3/4" × H27-9/16" × t13/16" (W450 × H700 × t21 mm)
- Door Weight: Max. 8.8 lbs/pair (4 kg/pair)


Installation

* NSF Component

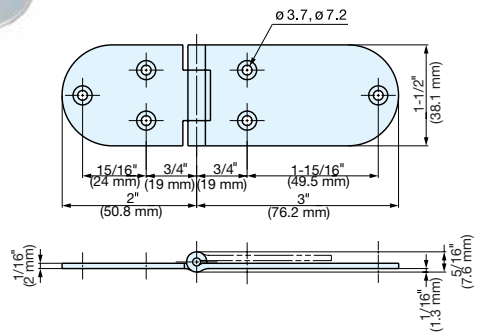
Item No.	Weight (g)	Box (pcs)	Carton (pcs)	Material	Finish
SMH-83/S*	28	100	1000	304 Stainless Steel	Satin (S)
SMH-83/CR	31			Steel	Chrome (CR)

TABLETOP HINGE

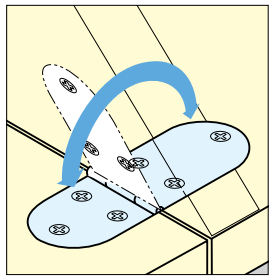
NSF COMPONENT · RoHS compliant · STAINLESS 304 STEEL

MA-5





- Door Size: Max. W17-3/4" × H27-9/16" × t13/16" (W450 × H700 × t21 mm)
- Door Weight: Max. 8.8 lbs/pair (4 kg/pair)


Installation

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
MA-5	74	20	200

Material	Finish
304 Stainless Steel	Mirror

CENTER HINGE FOR FOLDING DOORS

NO SCREW

CH-75

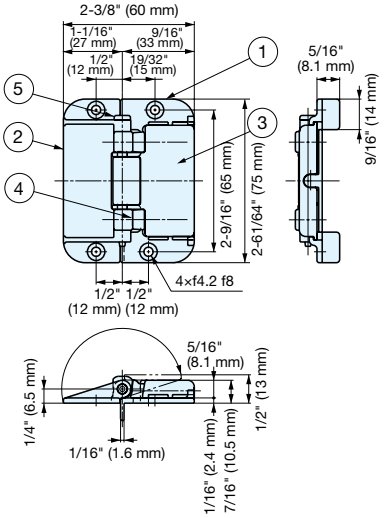


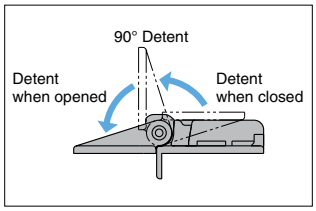
CH-75/GB
Bronze

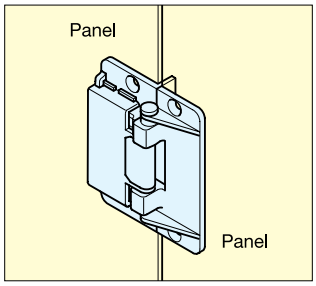


CH-75/NI
Nickel

- 180° opening with detent function (up to 90°).
- Hinge snaps in at open and closed positions.
- Removable hinge pin allows for easy installation.
- Ideal for folding doors in furniture, folding screens, light duty partitions, and similar applications.
- Designed for use with solid wood and MDF. Can also install to aluminum frame with AS-CH-75 parts set (sold separately).







Installation

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
CH-75/GB	100	42	168
CH-75/NI			

Material	Finish
Zinc Alloy	Bronze (GB) Nickel (NI)
Polyacetal	
Polyamide	

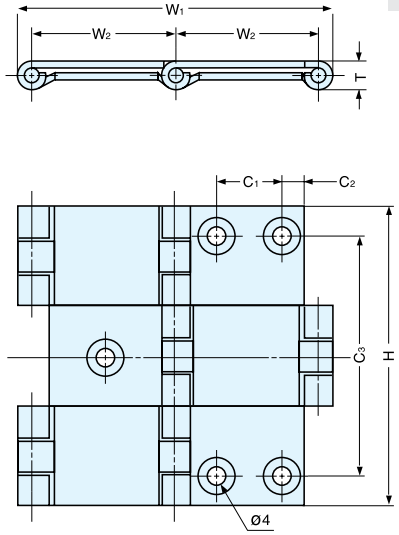
DOUBLE ACTION HINGE

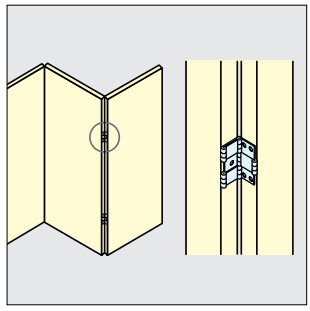
RoHS COMPLIANT · STAINLESS 304 STEEL · NO SCREW

HG-BH

- Opens 180° in both left and right direction.
- Door Size: Max. W17-3/4" × H27-9/16" (W450 × H700 mm)
- Door Weight: Max. 5.7 lbs/pair (2.6 kg/pair).







Installation

Material	Finish
304 Stainless Steel	Satin

Item No.	W1	W2	T	H	C1	C2	C3	Weight (g)	Box (pcs)	Carton (pcs)
HG-BH60	2-1/2" (64 mm)	1-1/8" (29 mm)	1/4" (5.5 mm)	2-3/8" (60 mm)	1/2" (13.5 mm)	3/16" (4.8 mm)	1-7/8" (47 mm)	65	20	260
HG-BH70	3-1/16" (78 mm)	1-3/8" (35 mm)	5/16" (7.5 mm)	2-3/4" (70 mm)		1/4" (6.8 mm)	2-1/4" (57 mm)	130	10	180
HG-BH80	3-11/16" (94 mm)	1-11/16" (43.2 mm)		3-1/8" (80 mm)	7/8" (22 mm)	1/4" (6.5 mm)	2-5/8" (66 mm)	175		120

DETENT HINGE (WITH, WITHOUT DAMPER)

NO SCREW

HG-CSH63

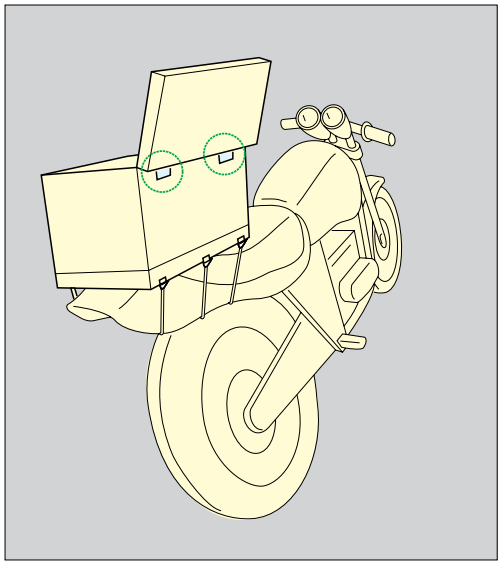
- Detent hinge with built-in damper as an option.
- Detent will hold lid in open/closed position without secondary support, and optional damper will provide soft closing.
- Operating angle: 100˚
  (Detent at both 0˚ and 100˚)
- Detent holding force: 8.8 lbs·in (10.0 kgf·cm)
- Damper torque range: 9~22 lbs·in (10.2~25.5 kgf·cm)/pc

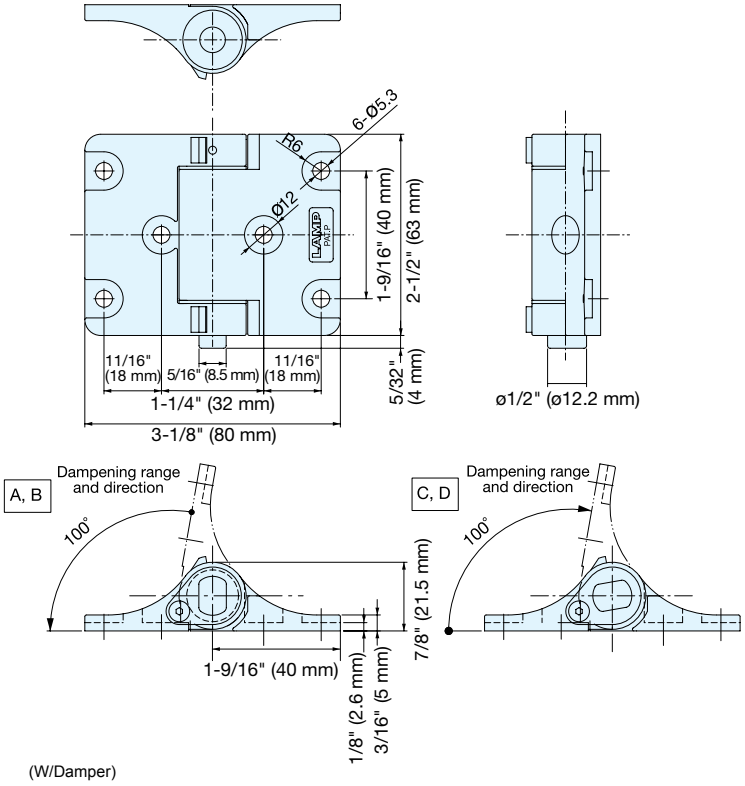


with Damper

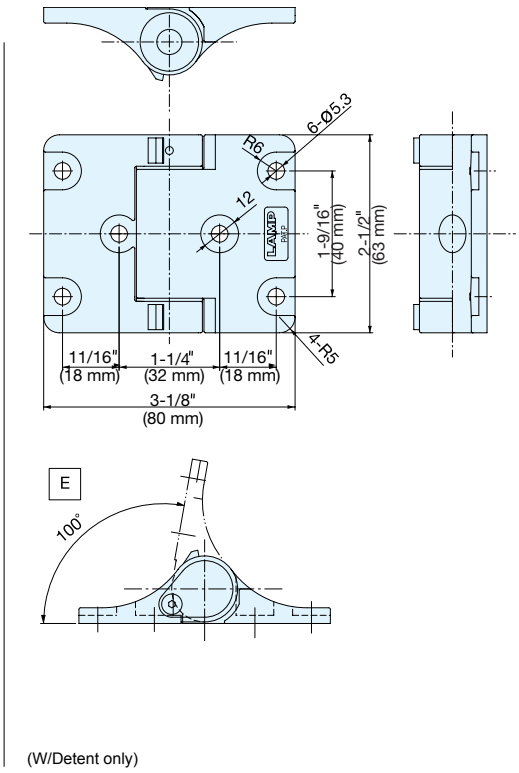


with Detent





(W/Damper)



(W/Detent only)

Item No.	Type	Torque per piece	Dampening Direction	Weight (g)	Box (pcs)	Carton (pcs)
HG-CSH63AH	A	15~22 lbs·in (17.3~25.5 kgf·cm)	Counter Clockwise	114.3	10	120
HG-CSH63AM	B	9~15 lbs·in (10.2~17.3 kgf·cm)				
HG-CSH63BH	C	15~22 lbs·in (17.3~25.5 kgf·cm)	Clockwise			
HG-CSH63BM	D	9~15 lbs·in (10.2~17.3 kgf·cm)				
HG-CSH63	E	-	-	98.7		

Material	Finish
Zinc Alloy	Silver

DETENT HINGE

RoHS compliant NO SCREW

HG-YJ50

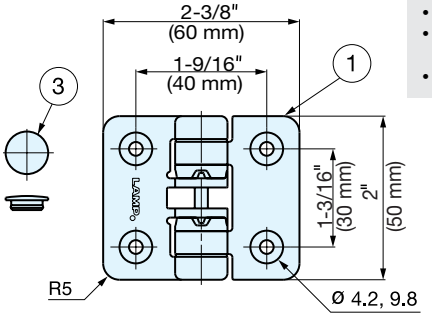
- Plastic hinge holds doors at 4 different positions (90°each) without secondary support.
- Ivory or Black available.
- Door Sizes Max. W15-3/4" × 19-11/16" /pair (W400 × H500 mm/pair)
- Max. Door Weight: 2.6 lbs/pair (1.2 kg/pair)

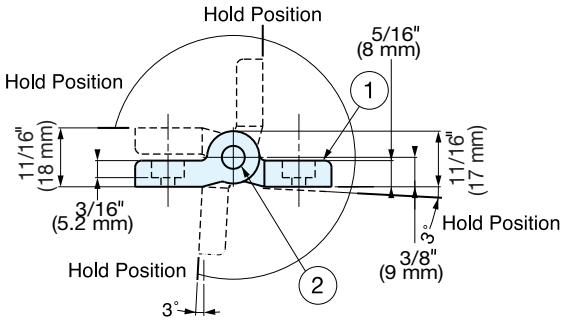


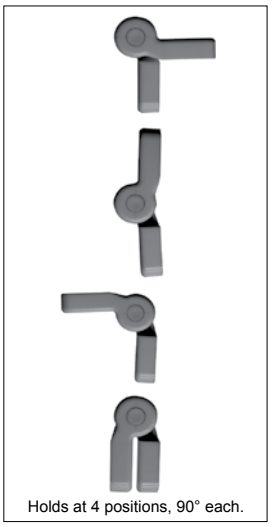
HG-YJ50BL
Black



HG-YJ50IV
Ivory







Holds at 4 positions, 90° each.

Item No.	Catch Release Torque	Weight (g)	Box (pcs)	Carton (pcs)
HG-YJ50IV	4.3 lbs·in (5 kgf·cm)	30	20	200
HG-YJ50BL				

No.	Part Name	Material	Color
①	Body	Polyacetal	Ivory/Black
②	Hinge Pin	303 Stainless Steel	Plain
③	Cap	Polypropylene	Ivory/Black

DETENT HINGE

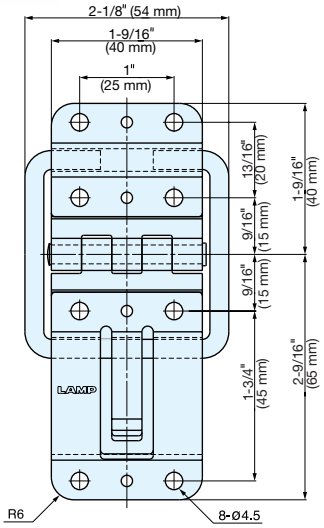
RoHS compliant STAINLESS 304 STEEL NO SCREW

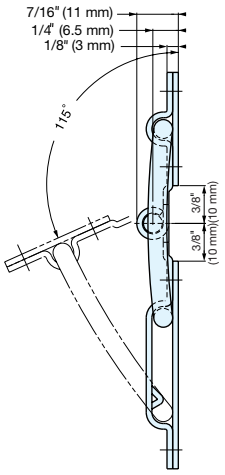
HG-YC105

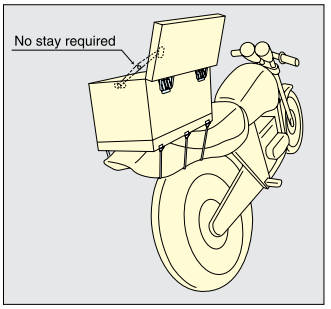
- Snaps in at 115° open position.
- Holds doors open without secondary support.











Installation

Item No.	Catch Release Torque	Weight (g)	Box (pcs)	Carton (pcs)
HG-YC105	10.4 lbs·in (12 kgf·cm)	122	10	100

Material	Finish
304 Stainless Steel	Polished

DETENT HINGE

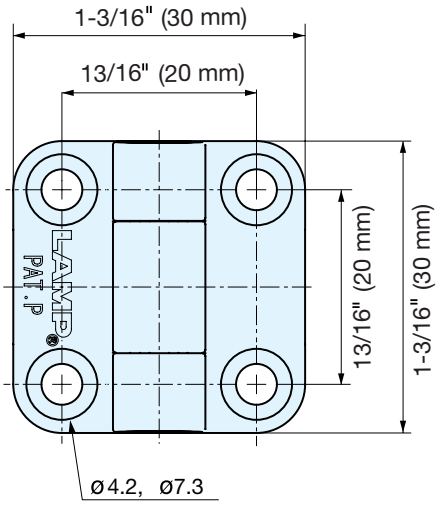
HG-MPS2

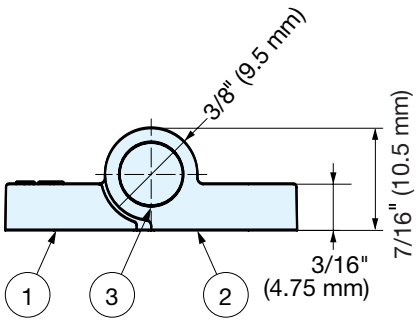
- Plastic hinge holds doors at 3 different positions (-10°, 120°, 170°).
- Max. Door weight: 2.2lbs/pair (1.0kg/pair).
- Ideal for small equipment with light weight doors such as measuring devices, medical equipment, etc.
- Additional stopper recommended at 0° and 170°.

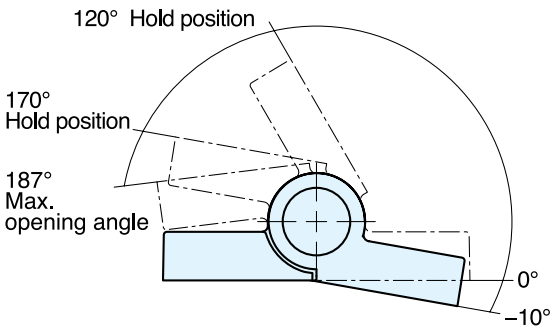


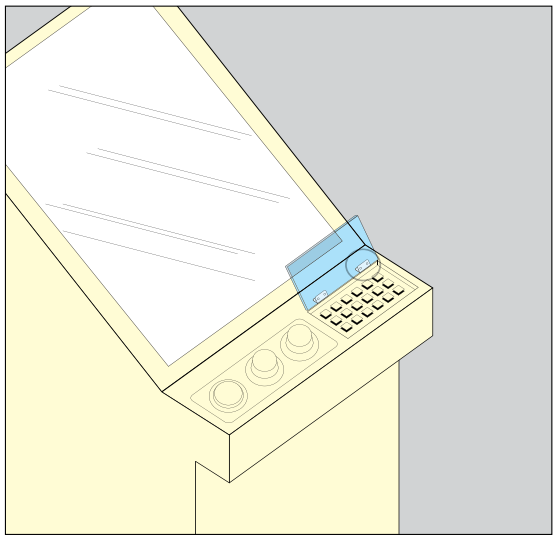
HG-MPS2-WT
White

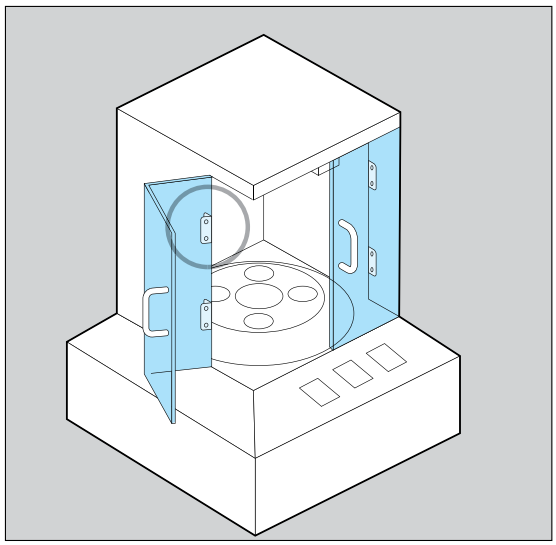
HG-MPS2-BL
Black

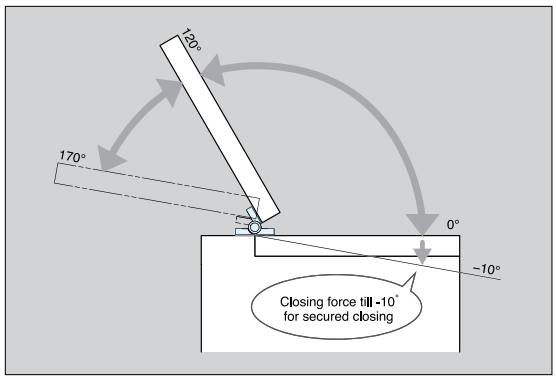








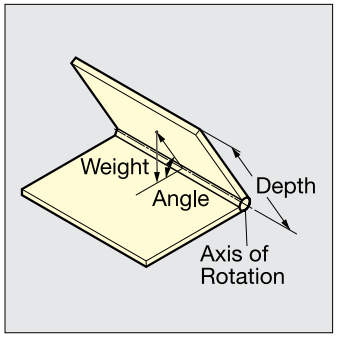




Item No.	Weight (g)	Box (pcs)	Carton (pcs)
HG-MPS2-BL	6.9	20	200
HG-MPS2-WT			

No.	Part Name	Material	Finish
①	Body A	PBT	White/Black
②	Body B		
③	Cap	ABS	

TORQUE HINGE INTRODUCTION



Torque (or constant friction) hinges are useful for a variety of applications which require a set position to be held for an indefinite amount of time. They do not have a strict load capacity, but instead a torque rating, which must be overcome to re-position the hinge.

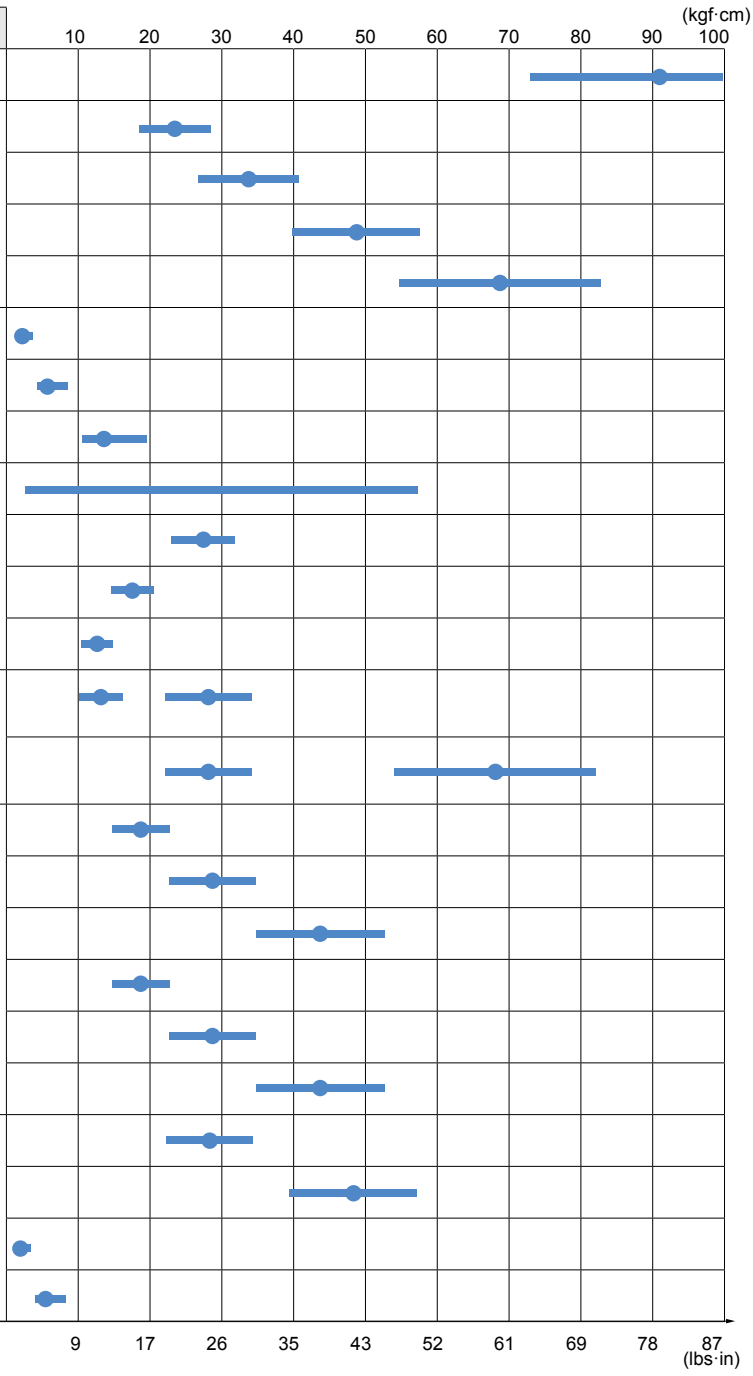
Sugatsune also manufactures a variety of soft close dampening hardware. See page 256~265 for more information on that line of hardware.

The torque rating of an application can be determined by using the following equation:

$$\text{panel weight (in pounds)} \times \text{panel depth (in inches)} \times \frac{1}{2} = \text{torque (in lbs·in)}$$

- Avoid using torque hinges where the hinge would be exposed to constant use, sudden or unexpected shock, or extreme temperature and/or humidity. Please consider the following points while selecting a hinge:
- What angle will the panel be held at, and for how long?
- What will the hinge be attached to and how?
- Is torque required when the hinge is moved in both directions?
- What variance in torque is acceptable for your application?

Item No.	Torque (kgf·cm)	Torque (lbs·in)	Page
HG-TQA90-A (B)	91.8−20~+40%	79.7−20~+40%	241
HG-ITS25	25±20%	21.7±20%	242
HG-ITS35	35±20%	30.4±20%	
HG-ITM50	50±20%	43.4±20%	
HG-ITM70	70±20%	60.8±20%	
HG-TS03	3.60−20~+40%	3.1−20~+40%	243
HG-TS07	7.10−20~+40%	6.2−20~+40%	
HG-TS15	15.30−20~+40%	13.3−20~+40%	
SFTH	5~58±2 kgf·cm	4.3~50.3±1.7 lbs·in	244
SK-T-ZA-1SCR (CR)	30.00±15%	26±15%	
SK-T-ZA-2SCR (CR)	20.00±15%	17±15%	
SK-T-ZA-3SCR (CR)	15.00±15%	13±15%	
HG-T30S15	30.6±20% 15.3±20%	26.5±20% 13±20%	245
HG-T70S30	71.4±20% 30.6±20%	62±20% 26.6±20%	
HG-TA20R (L)	20.4±20%	17.7±20%	246
HG-TA30R (L)	30.6±20%	26.5±20%	
HG-TA45R (L)	45.9±20%	39.8±20%	
HG-TB20R (L)	20.4±20%	17.7±20%	
HG-TB30R (L)	30.6±20%	26.5±20%	
HG-TB45R (L)	45.9±20%	39.8±20%	
HG-S30	30.6±20%	26.6±20%	247
HG-S50	51.0±20%	44.3±20%	
HG-TU03	3.6−20~+40%	3.1−20~+40%	
HG-TU07	7.1−20~+40%	6.1−20~+40%	



1-WAY TORQUE HINGE

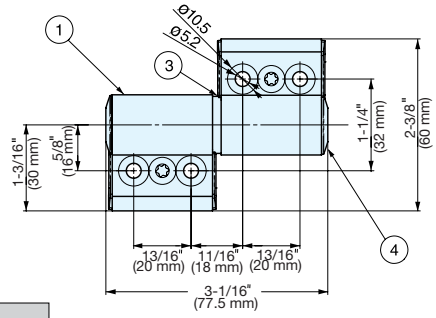
RoHS compliant

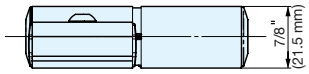
HG-TQA

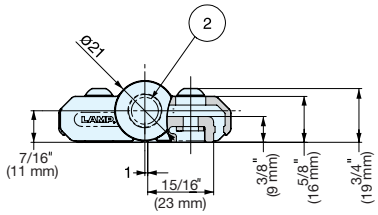


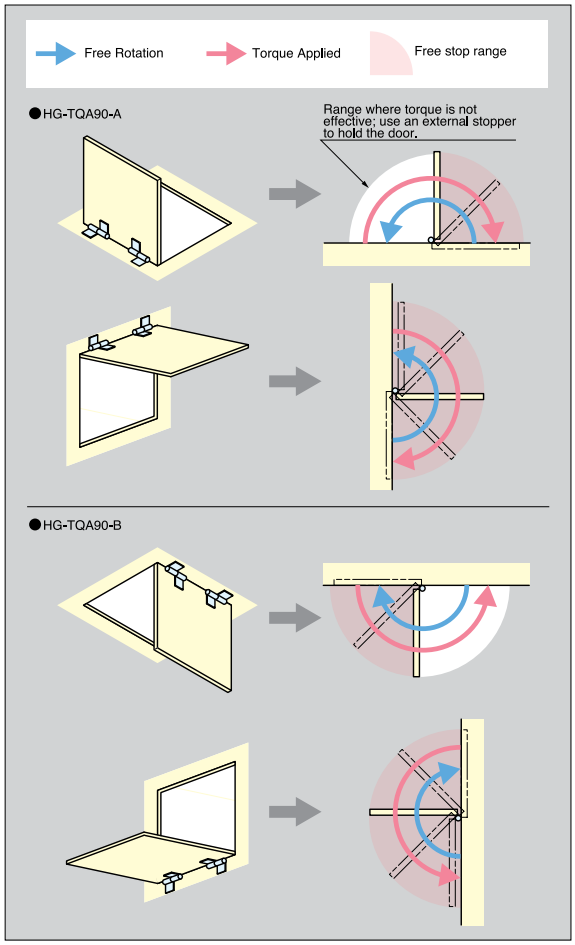
- Friction in one direction only:
  HG-TQA90-A: free rotation when turned counterclockwise, constant torque is applied when turned clockwise.
  HG-TQA90-B: free rotation when turned clockwise, constant is applied when turned counterclockwise.

Note:
- Initial torque may vary - 20%~ + 40%.
- Not suited to vibration environment.
- Torque will be affected by temperature.
- Not suitable for high frequency use.
- Do not lubricate.
- For indoor use only.

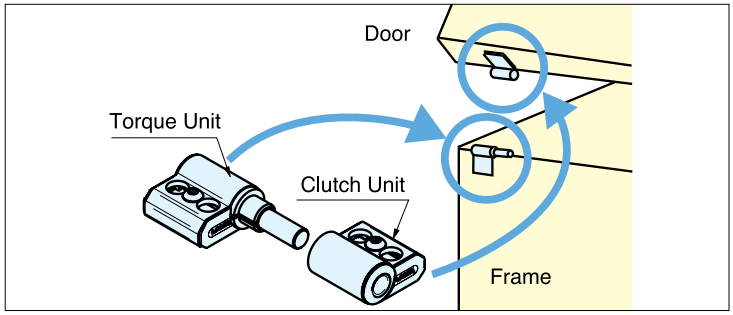


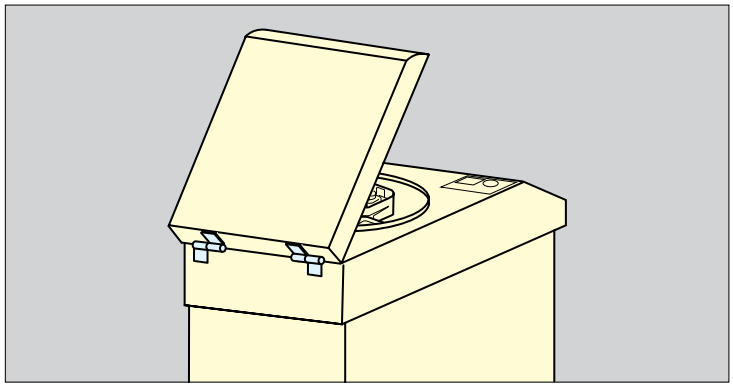






Summary of Movement





Installation

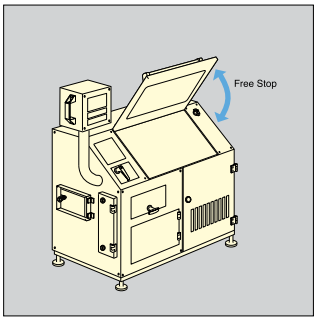
Item No.	Torque per pair	Weight (g)/pair	Box (set)	Carton (set)
HG-TQA90-A HG-TQA90-B	79.7 lbs·in (91.8 kgf·cm)	270	10	100

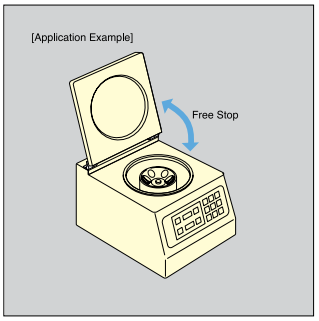
No.	Part Name	Material	Finish
①	Body	Aluminum Alloy	Anodized
②	Arm Shaft	Stainless Steel	Plain
③	Sleeve	Polyacetal (POM)	Black
④	Cover	Polyacetal (POM)	Black

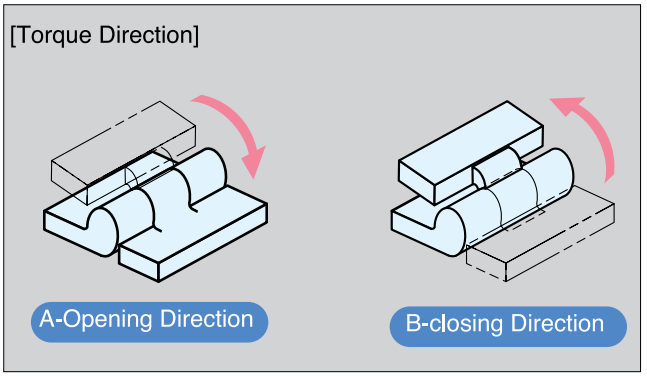
1-WAY TORQUE HINGE (ADJUSTABLE) HG-TQJ100

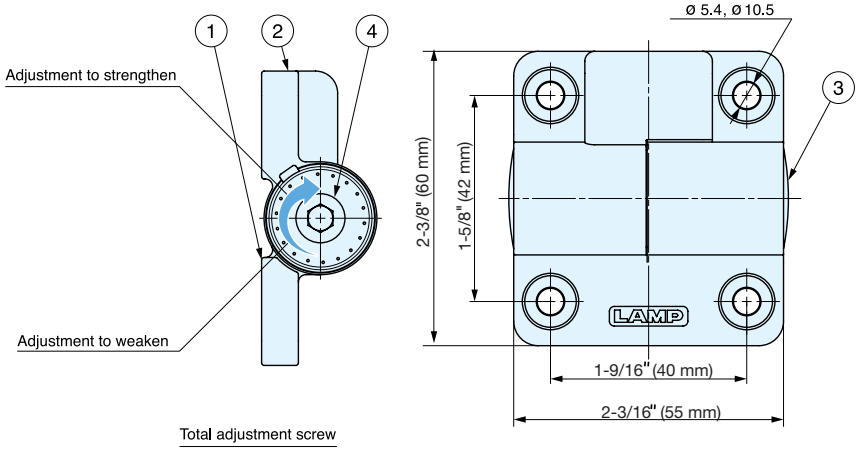


- Friction in one direction only.
- Torque strength adjustable.
- 2 versions available for friction torque at “opening” direction (type – A) and at closing direction (type – B).









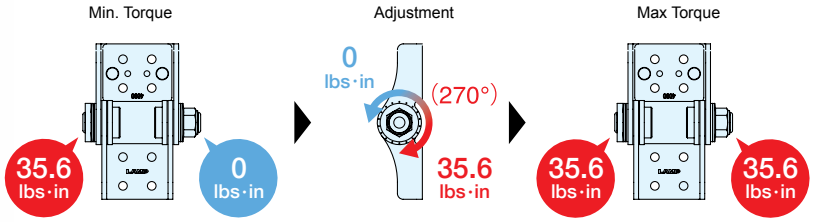
Item No.	Torque Direction	Torque per piece
HG-TQJ100-A	Opening	0~88.7 lbs·in (0~102 kgf·cm)
HG-TQJ100-B	Closing	

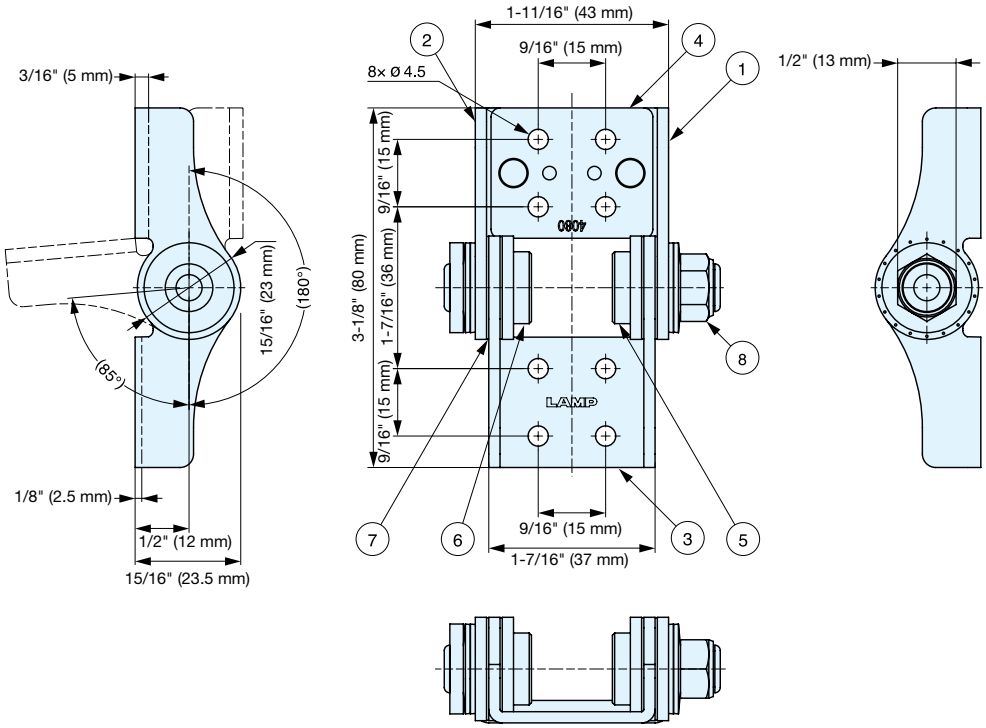
No.	Part Name	Material	Finish
①	Bracket A	Zinc Alloy	Silver
②	Bracket B		
③	Cover Cap	Polypropylene	Dark Grey
④	Torque adjustment screw	Steel	-

TORQUE HINGE (ADJUSTABLE) HG-ITJ4080



- Torque strength is adjustable.
- Hinge with friction torque holds lid/door in desired position.
- High torque in a small profile.
- 35.6 lbs · in ±20% minimum torque





Item No.	Torque per piece	Weight (g)	Box (pcs)	Carton (pcs)
HG-ITJ4080	35.6~71.2 lbs·in (41~82 kgf·cm)	163	10	80

No.	Part Name	Material	Finish
①	Bracket A	430 Stainless Steel	Mirror
②	Bracket B		
③	Bracket C		
④	Plate		
⑤	Shaft A	Stainless Steel	Plain
⑥	Shaft B		
⑦	Washer	Phosphor Bronze	Polished
⑧	Nut (Torque Adjustment)	Stainless Steel	-

STAINLESS STEEL TORQUE HINGE

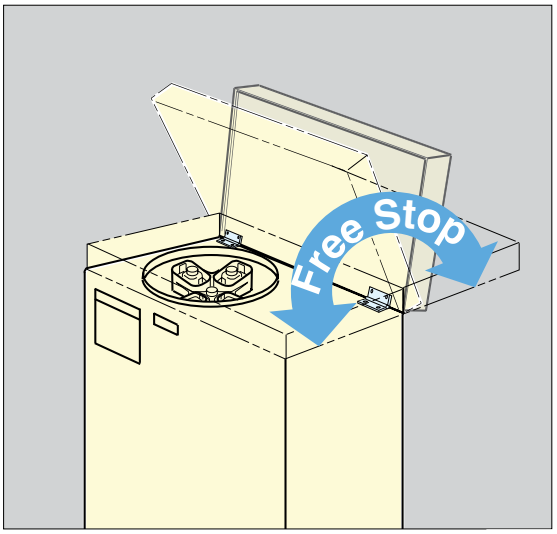
RoHS compliant

HG-TP



- Hinge with friction torque holds lid/door in desired position.
- Stainless steel material ideal for harsh environments.
- Free stop between 0~180 degrees.

Note:
- At least 2 hinges necessary for 1 door.





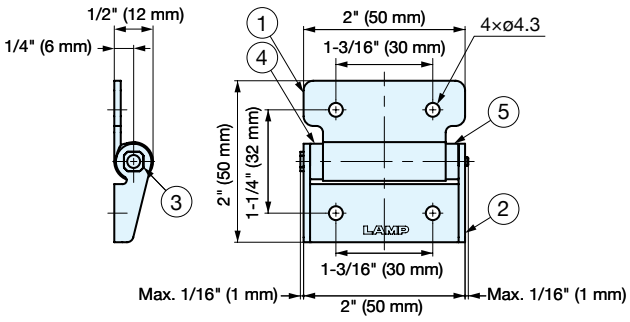
HG-TP20



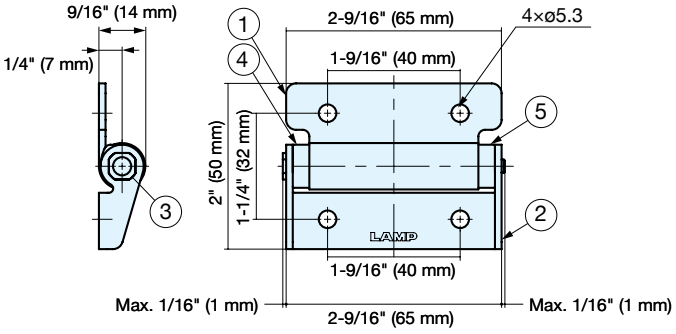
HG-TP30



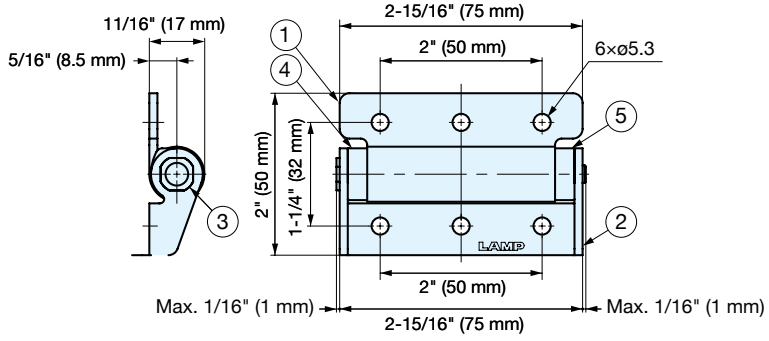
HG-TP45



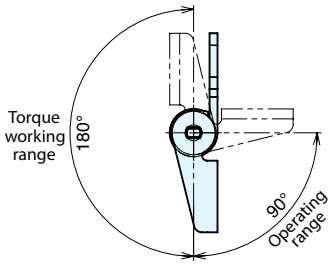
HG-TP20



HG-TP30



HG-TP45

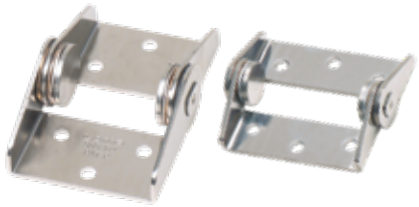


Item No.	Torque per piece	Weight (g)	Box (pcs)	Carton (pcs)
HG-TP20	17.6 lbs·in (20.3 kgf·cm)	60	50	200
HG-TP30	26.5 lbs·in (30.5 kgf·cm)	90	25	100
HG-TP45	40 lbs·in (45.8 kgf·cm)	150		

No.	Part Name	Material	Finish
①	Body	304 Stainless Steel	Polished
②	Base		
③	Fixing Tube	Polyacetal	Black
④	Fixing Tube		
⑤	Shaft	303 Stainless Steel	-

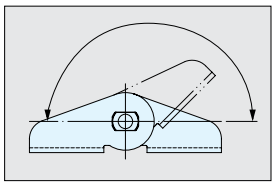
TORQUE HINGE

HG-IT

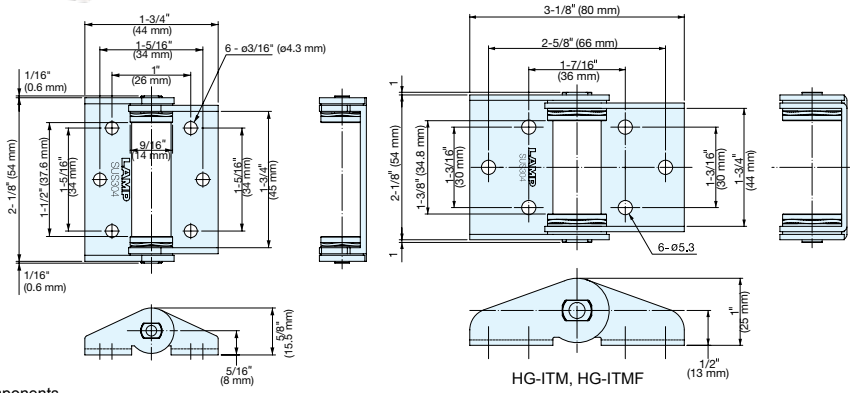




- Hinge with friction torque for holding monitors, displays etc. in position.
- Without friction torque available. (HG-ITSF, HG-ITMF)
- Optional cover available for clean appearance.
- Operating Temperature: - 14F°~122F° (10°C~50°C)



Applicable torque range



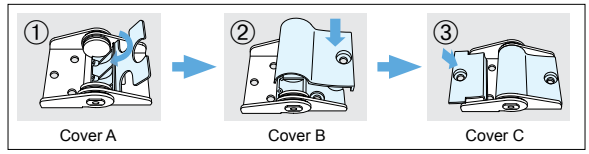
HG-ITM, HG-ITMF

* NSF Components

Item No.	Cover For	Weight (g)	Box (pcs)	Carton (pcs)
HG-ITSC*	HG-ITS, HG-ITSF	10	40	960
HG-ITMC*	HG-ITM, HG-ITMF	18	20	480

Item No.	Torque per piece (kgf·cm)	Weight (g)	Box (pcs)	Carton (pcs)
HG-ITSF	Free Movement	50	10	80
HG-ITMF	Free Movement	130		

Item No.	Torque per piece	Weight (g)	Box (pcs)	Carton (pcs)
HG-ITS25	21.7 lbs·in (25 kgf·cm) ±20%	50	20	160
HG-ITS35	30.4 lbs·in (35 kgf·cm) ±20%			
HG-ITM50	43.4 lbs·in (50 kgf·cm) ±20%	130	10	80
HG-ITM70	60.8 lbs·in (70 kgf·cm) ±20%			



Cover A　Cover B　Cover C

HG-ITSC, HG-ITMC

Part Name	Material	Finish
Body	304 Stainless Steel	Polished
Shaft	303 Stainless Steel	Plain
Washer	Phosphor Bronze	Polished
Spring Washer	Steel	Nickel
Cover	ABS	Silver

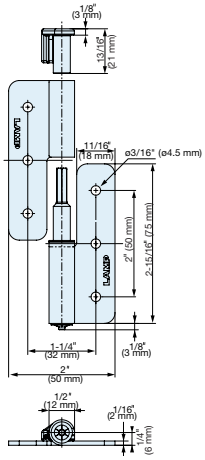
LIFT-OFF TORQUE HINGE

HG-KNT

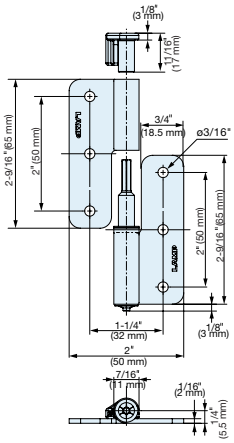
- Hinge with friction torque lift off feature for easy removal.
- Can be used horizontally.
- Passed 20,000 open/close cycle tests.



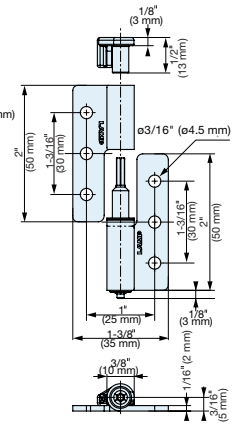
HG-KNT16R



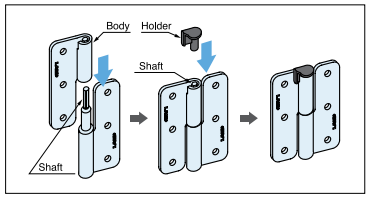
HG-KNT 16



HG-KNT 7



HG-KNT 3



Item No.	Type	Torque per piece	Weight (g)	Box (pcs)	Carton (pcs)
HG-KNT3L	Left	2.5 lbs·in (3.1 kgf·cm) ± 20%	42	50	200
HG-KNT3R	Right				
HG-KNT7L	Left	5.7 lbs·in (7.1 kgf·cm) ± 20%	76		
HG-KNT7R	Right				
HG-KNT16L	Left	13.0 lbs·in (16.3 kgf·cm) ± 20%	96	30	120
HG-KNT16R	Right				

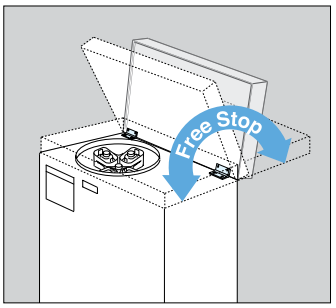
No.	Part Name	Material	Finish
①	Body	304 Stainless Steel	Polished
②	Shaft		
③	Plug	Polyacetal	Black
④	Holder	Polyamide	
⑤	Washer A	PTFE	Natural
⑥	Washer B	Polyacetal	
⑦	Nut	Stainless Steel	-

STAINLESS STEEL TORQUE HINGE

RoHS compliant

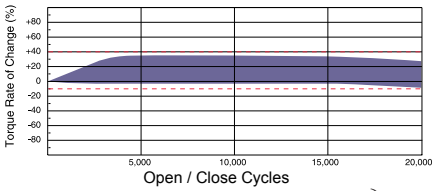
HG-TS

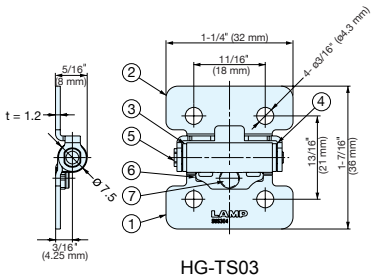




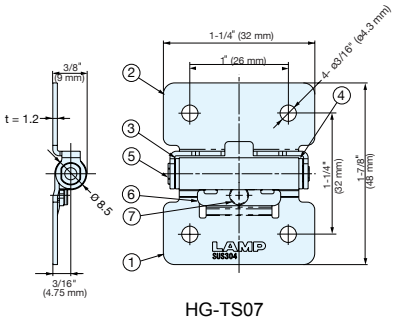
- Hinge with friction torque holds lid/door in desired position.
- Stainless steel material ideal for harsh environments.
- Free stop between 0~180 degrees.
- Successfully passed 20,000 open/close private cycle tests.

Note:
- Initial torque may vary - 20%~ + 40%.
- At least 2 hinges necessary for 1 door.

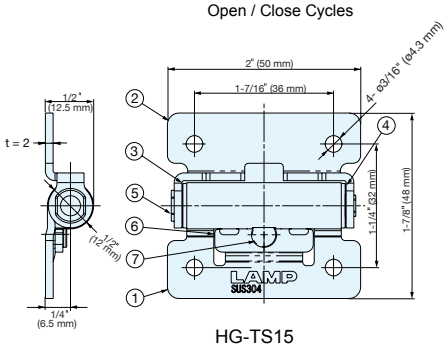




HG-TS03



HG-TS07



HG-TS15

Item No.	Torque per piece	Weight (g)	Box (pcs)	Carton (pcs)
HG-TS03	3.1 lbs·in (3.6 kgf·cm)	15.0	50	500
HG-TS07	6.2 lbs·in (7.1 kgf·cm)	27.5		
HG-TS15	13.3 lbs·in (15.3 kgf·cm)	64.1	20	200

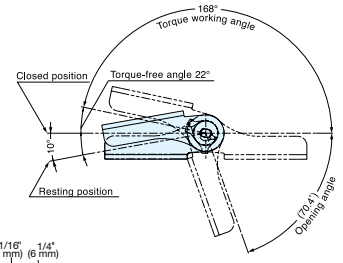
No.	Part Name	Material	Finish
①	Body	304 Stainless Steel	Polished
②	Base		
③	Fixing Tube	Polyacetal	Black
④	Fixing Tube		
⑤	Shaft	303 Stainless Steel	-
⑥	Press Washer	304 Stainless Steel	Polished
⑦	Pin		-

DETENT TORQUE HINGE

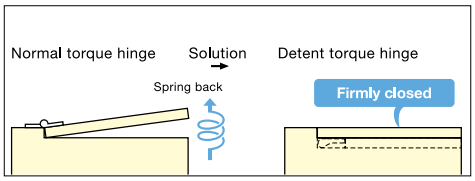
RoHS compliant

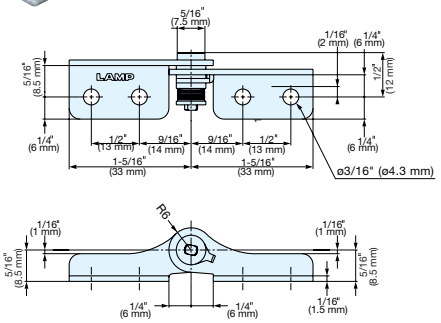
HG-DTA

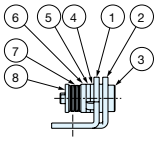




- Hinge with built-in detent feature firmly keeps lid closed.
- No additional catch required.







No.	Part Name	Material	Finish
①	Base	304 Stainless Steel	Mirror
②	Bracket		
③	Shaft	303 Stainless Steel	-
④	Washer	Stainless Steel	
⑤	Cam A		
⑥	Cam B		
⑦	Spring Washer		
⑧	Plate		

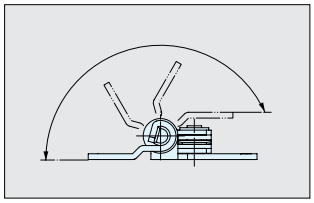
Item No.	ID Stamp	Torque per piece	Weight (g)	Box (pcs)	Carton (pcs)
HG-DTA4-R	Right	3.55 lbs·in (4.08 kgf·cm) ± 20%	19	50	400
HG-DTA4-L	Left				
HG-DTA8-R	Right	7.10 lbs·in (8.16 kgf·cm) ± 20%			500
HG-DTA8-L	Left				

STAINLESS STEEL TORQUE HINGE SFTH

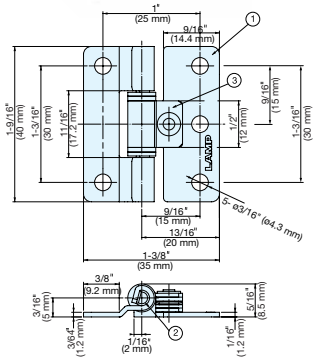
RoHS compliant | NO SCREW | STAINLESS 304 STEEL | STAINLESS 303 STEEL



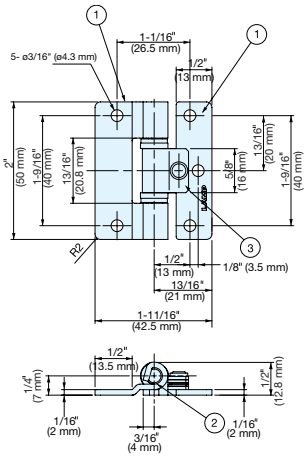
- Hinge with friction torque holds lid/door in desired position.
- Stainless steel construction for corrosive environments.
- Operating temperature: -4˚F~140˚F (-20˚C~60˚C)



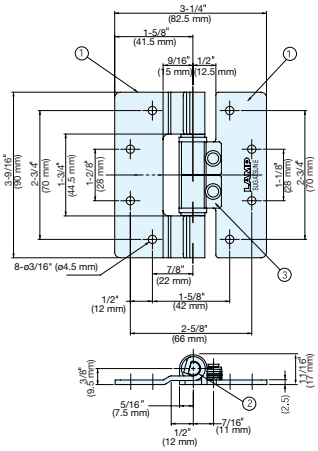
Applicable Torque Range



SFTH-02



SFTH-03



SFTH-05

Item No.	Torque per piece	Weight (g)	Box (pcs)	Carton (pcs)
SFTH-02-5	4.3 lbs·in (5 kgf·cm) ±1	21	50	500
SFTH-03-9	7.8 lbs·in (9 kgf·cm) ±2	51	30	300
SFTH-03-19	16.5 lbs·in (19 kgf·cm) ±2			
SFTH-05-35	30.4 lbs·in (35 kgf·cm) ±5	195	10	100
SFTH-05-58	50.3 lbs·in (58 kgf·cm) ±5			

No.	Part Name	Material	Finish
①	Body A	304 Stainless Steel	Polished
②	Shaft	303 Stainless Steel	
③	Body B	301 Stainless Steel	

COMBINATION HINGE HG-VH8

RoHS compliant

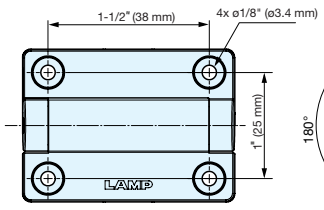


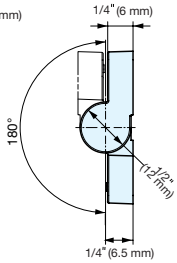
Black

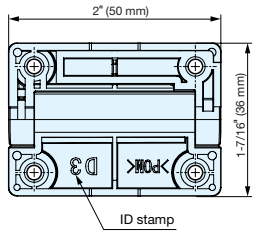


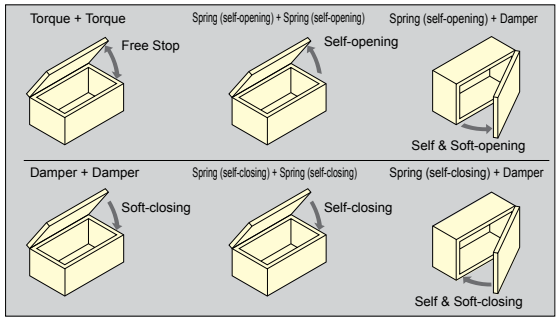
White

- Hinges for light weight lids & doors.
- Various motions in same hinge case.
- Flexible combination.
- Lateral-opening door weight: Max.1.78 lbs (810 g)
  Reference door size: W300×H450×t 5 mm
  Acrylic plate, Density 1.2 g/cm3









Item No.	ID Stamp	Feature	Torque per piece	Opening angle	Material
HG-VH8-N-BL HG-VH8-N-WT	N	Standard Movement	-	270°	Polyacetal
HG-VH8-D3-BL HG-VH8-D3-WT	D3	Soft-Closing Damper	0.19~0.34 lbs·in (0.22~0.39 kgf·cm)		
HG-VH8-OP-BL HG-VH8-OP-WT	OP	Self-Opening Spring	0.14~0.56 lbs·in (0.16 kgf·cm~0.64 kgf·cm*)		
HG-VH8-CL-BL HG-VH8-CL-WT	CL	Self-Closing Spring			
HG-VH8-T15-BL HG-VH8-T15-WT	T1	Free Stop	1.33±0.44 lbs·in (1.53±0.51 kgf·cm)		
HG-VH8-T35-BL HG-VH8-T35-WT	T3		3.10±0.89 lbs·in (3.57±1.02 kgf·cm)		

*Increase of 0.16 kgf.cm for every 30° of rotation. Maximum rotation of 120°

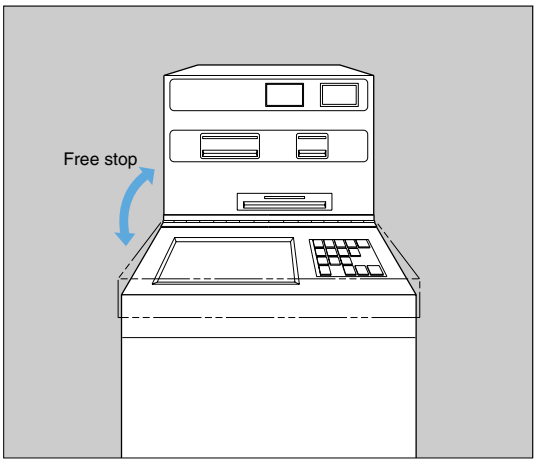
TORQUE PIANO HINGE

RoHS Compliant | STAINLESS 304 STEEL

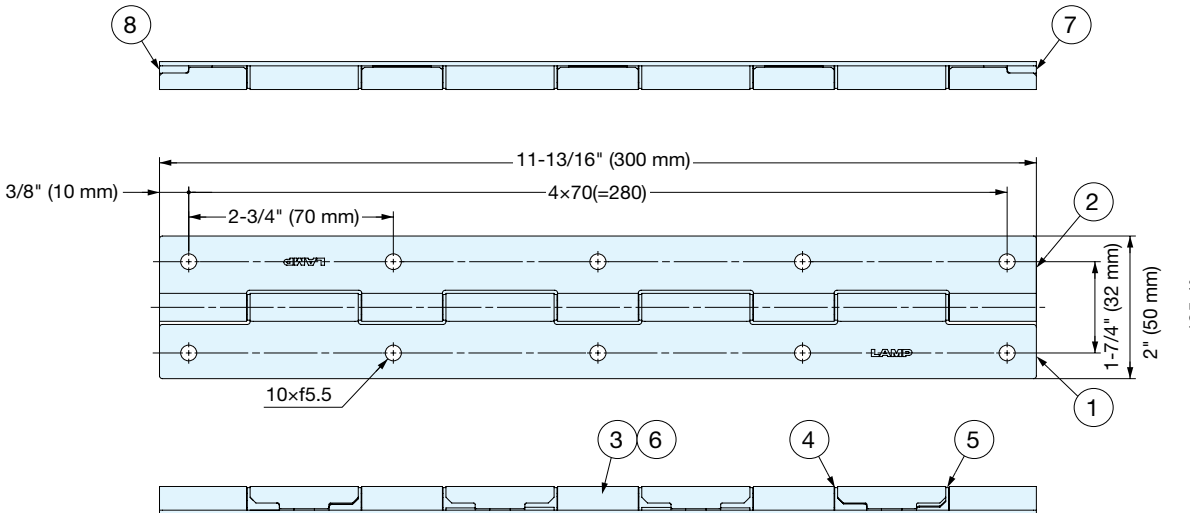
HG-TLS30-50-300

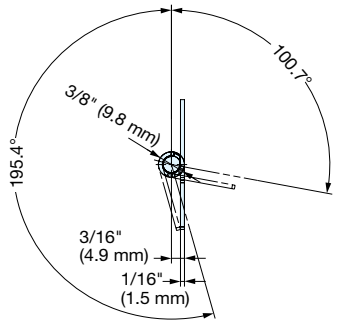


- Unique long type torque piano hinge.
- Free stop function maintains a safe working environment
- Reduces gaps between housing and doors for industrial equipment and shopfittings to improve security and reduce danger
- Greaseless hinge allows for water-drop level exposure
- Can be used in multiples for doors larger than 12"
- Sucessfully passed 30,000 private cycle tests for vertical and horizontal applications



For opening/closing of maintenance machine doors.





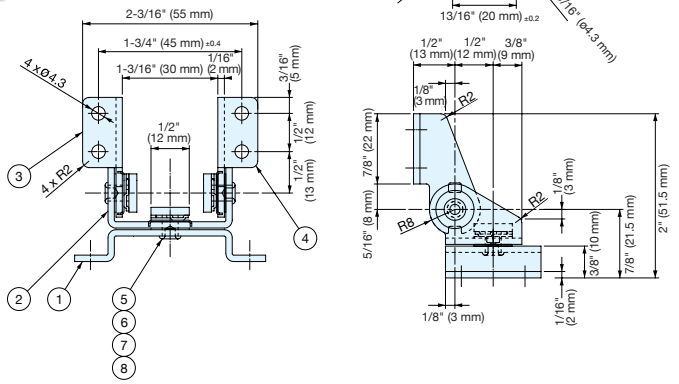
No.	Part Name	Material
①	Hinge A	304 Stainless Steel
②	Hinge B	
③	Shaft	
④	Plug L	POM
⑤	Plug R	
⑥	Collar	
⑦	Holder L	PA (Plastic)
⑧	Holder R	

Item No.	Torque	Weight (g)	Box (pcs)	Carton (pcs)
HG-TLS30-50-300	25 lbs·in (29 kgf·cm)	396	5	20

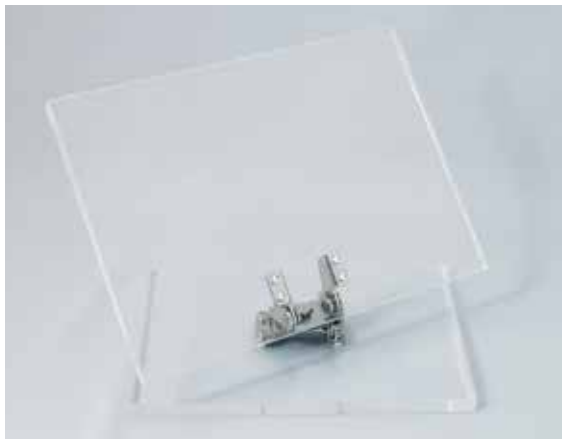
TORQUE HINGE (DUAL AXIS) HG-T30S15

RoHS compliant · STAINLESS 430 STEEL · STAINLESS 303 STEEL





- Dual Axis: Free stop between 0°~200° (Tilting) and 360° (swiveling).
- Provides torque stability in both directions.
- Suitable for monitor screens.
- Successfully passed 20,000 open/close private cycle tests.



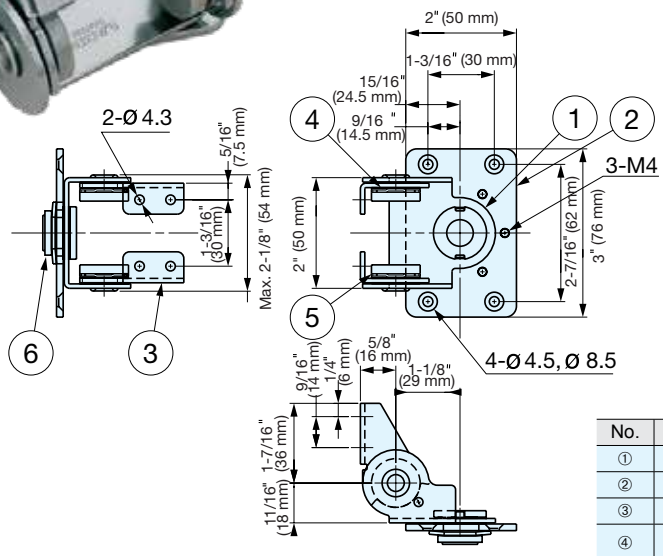
No.	Part Name	Material	Finish
①	Body	430 Stainless Steel	Polished
②	Base		
③	Bracket		
④			
⑤	Shaft	303 Stainless Steel	Plain
⑥	Press Washer	Phosphor Bronze	Polished
⑦	Pin		-
⑧	Washer	Steel	Plain

Item No.	Torque per piece (tilting)	Torque per piece (swiveling)
HG-T30S15	26.5 lbs·in ± 20%	13.0 lbs·in ± 20%

TORQUE HINGE (DUAL AXIS) HG-T70S30

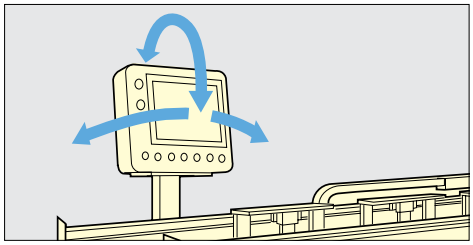
RoHS compliant · STAINLESS 430 STEEL · STAINLESS 303 STEEL

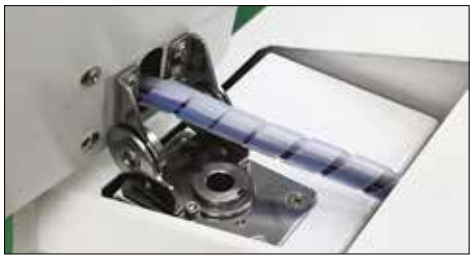




- Dual Axis: free stop at any angle in tilt & swivel.
- Provides torque stability in both directions.
- Suitable for monitor screens.

Dual AXIS Torque Hinge





No.	Part Name	Material	Finish
①	Body	430 Stainless Steel	Polished
②	Base		
③	Bracket		
④	Spring Washer	Steel/ Phosphor Bronze	Plain
⑤	Shaft	303 Stainless Steel	
⑥	Washer	430 Stainless Steel	Polished

Item No.	Torque per piece (tilting)	Torque per piece (swiveling)
HG-T70S30	62 lbs·in ±20%	26.6 lbs·in ±20%

TORQUE HINGE

RoHS compliant | STAINLESS 430 STEEL | STAINLESS 303 STEEL

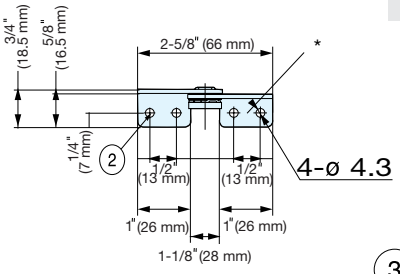
HG-TA

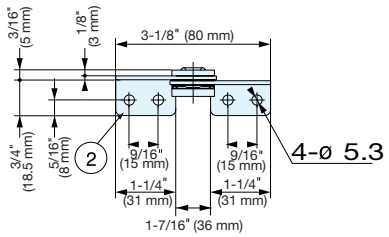


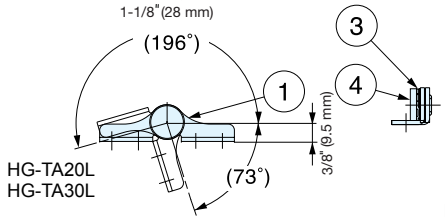


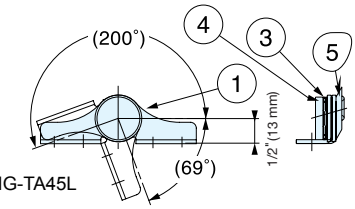
- Free stop hinge with friction torque.
- Consistent torque through out working range.
- Opening angle 0°~180°.

Applications:
- Ideal for indoor applications.
- LCD monitors, stationary cameras, displays, etc.









Item No.	Type	Torque per piece	Weight (g)	Box (pcs)	Carton (pcs)
HG-TA20R	Right hand	17.7 lbs·in ±20% (20.4 ±20% kgf·cm)	30	40	320
HG-TA20L	Left hand				
HG-TA30R	Right hand	26.5 lbs·in ±20% (30.6 ±20% kgf·cm)			
HG-TA30L	Left hand				
HG-TA45R	Right hand	39.8 lbs·in ±20% (45.9 ±20% kgf·cm)	65	20	160
HG-TA45L	Left hand				

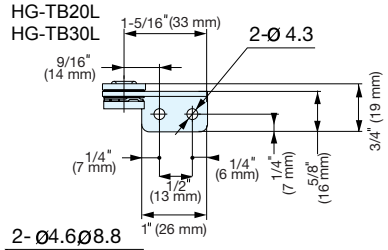
No	Part Name	Material	Finish
①	Hinge A	430 Stainless Steel	Plain
②	Hinge B		
③	Spring Washer	Steel	-
④	Shaft	303 Stainless Steel	-
⑤	Washer	430 Stainless Steel	-

TORQUE HINGE

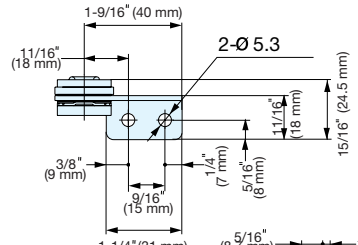
RoHS compliant | STAINLESS 430 STEEL | STAINLESS 303 STEEL

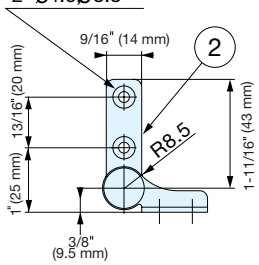
HG-TB

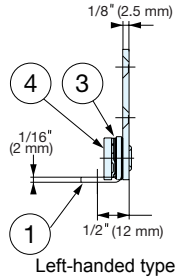
HG-TB7L
HG-TB20L
HG-TB30L

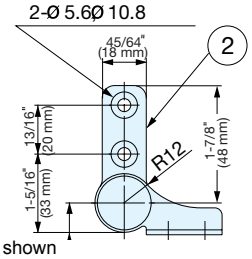


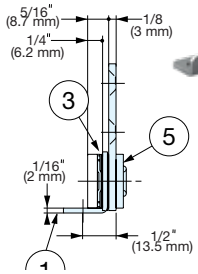
HG-TB45L





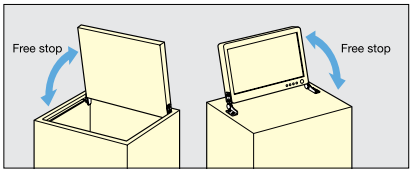






Left-handed type shown





- Free stop hinge with friction torque.
- Consistent torque through out working range.
- Opening angle 360°.

Applications:
- Ideal for indoor applications.
- LCD monitors, stationary cameras, displays, etc.

Item No.	Type	Torque per piece	Weight (g)	Box (pcs)	Carton (pcs)
HG-TB7R	Right hand	6.1 lbs·in ±20% (7.1±20% kgf·cm)	30	40	320
HG-TB7L	Left hand				
HG-TB20R	Right hand	17.7 lbs·in ±20% (20.4±20% kgf·cm)			
HG-TB20L	Left hand				
HG-TB30R	Right hand	26.5 lbs·in ±20% (30.6±20% kgf·cm)			
HG-TB30L	Left hand				
HG-TB45R	Right hand	39.8 lbs·in ±20% (45.9±20% kgf·cm)	65	20	160
HG-TB45L	Left hand				

No	Part Name	Material	Finish
①	Hinge A	430 Stainless Steel	Plain
②	Hinge B		
③	Spring Washer	Steel	-
④	Shaft	303 Stainless Steel	-
⑤	Washer	430 Stainless Steel	-

DUAL AXIS TORQUE HINGE

RoHS compliant

HG-TMH


Chrome


Satin Nickel


Black

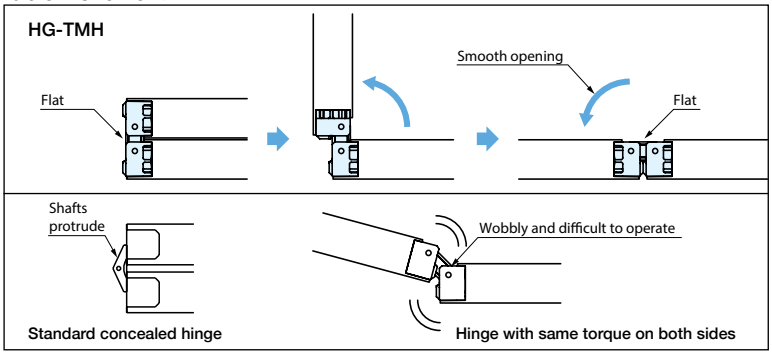
- A torque hinge that can be opened 180°.
- Shafts do not protrude when the hinge is fully opened or closed.
- Easy to operate as the two shafts have different torque and move one at a time.
- Ideal for folding tables in shops, trains, caravans, etc.



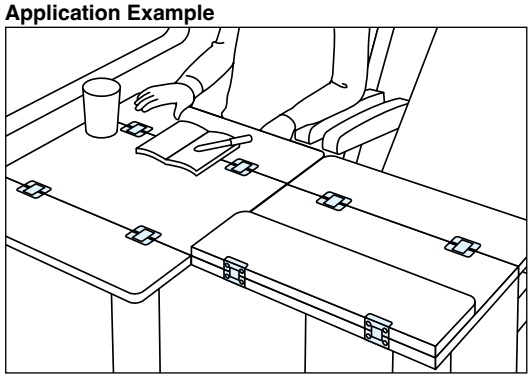




Table Movement



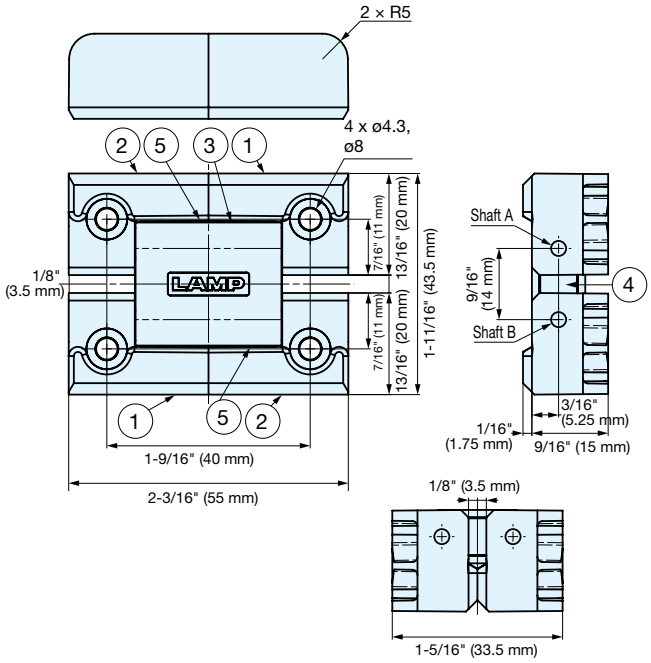
Application Example



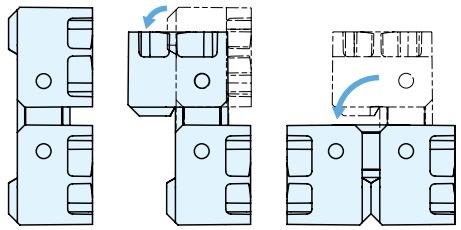

When fully opened.


Lays flat so shafts do not protrude.

No visible screw holes when closed.



Hinge Movement



No.	Part Name	Material	Finish/Color
①	Main BodyA	Zinc Alloy	Chrome, Satin Nickel, Black
②	Main BodyB		
③	Intermediate Body		
④	Sleeve	Plastic (PBT)	Black
⑤	Bumper		

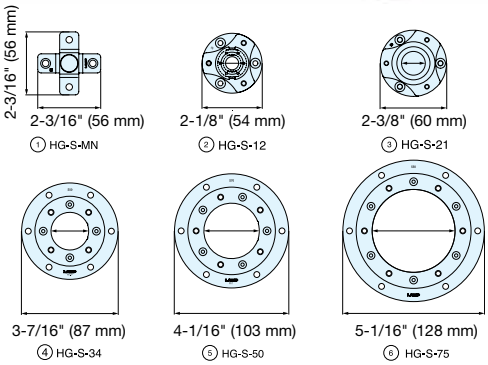
Item No.	Finish	Shaft A Torque	Shaft B Torque	Weight (g)	Box (pcs)	Carton (pcs)
HG-TMH2030-CR	Chrome	17.7±20% lbs·in (20.4±20% kgf·cm)	26.5±20% lbs·in (30.6±20% kgf·cm)	165	10	50
HG-TMH1530-CR		13.2±20% lbs·in (15.3±20% kgf·cm)				
HG-TMH2030-SN	Satin Nickel	17.7±20% lbs·in (20.4±20% kgf·cm)				
HG-TMH1530-SN		13.2±20% lbs·in (15.3±20% kgf·cm)				
HG-TMH2030-BL	Black	17.7±20% lbs·in (20.4±20% kgf·cm)				
HG-TMH1530-BL		13.2±20% lbs·in (15.3±20% kgf·cm)				

SWIVEL TORQUE HINGE

RoHS compliant | STAINLESS 430 STEEL | STAINLESS 303 STEEL

HG-S

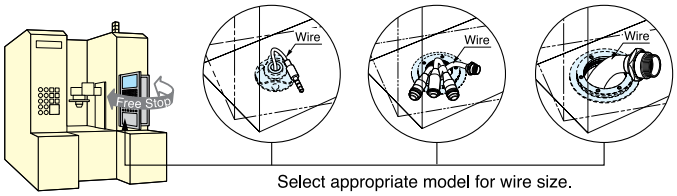




- Rotation angle: 360°
- Free stop function.

Use for:
- Industrial control panels and monitors.

Note:
- Initial torque may vary ±20%.
- Do not lubricate.
- For indoor use only.



Item No.	No.	Outer Dimension (mm)	Center Hole Diameter (mm)	Torque per piece
HG-S7-MN	①	2-3/16" (56 mm)	-	6.2 lbs·in (7.1 ± 20% kgf·cm)
HG-S20-MN				17.7 lbs·in (20.4 ± 20% kgf·cm)
HG-S30-12	②	2-1/8" (54 mm)	1/2" (12 mm)	26.6 lbs·in (30.6 ± 20% kgf·cm)
HG-S50-12				44.3 lbs·in (51.0 ± 20% kgf·cm)
HG-S30-21	③	2-3/8" (60 mm)	7/8" (21.5 mm)	26.6 lbs·in (30.6 ± 20% kgf·cm)
HG-S50-21				44.3 lbs·in (51.0 ± 20% kgf·cm)
HG-S50-34	④	3-7/16" (87 mm)	1-5/16" (34 mm)	44.3 lbs·in (51.0 ± 20% kgf·cm)
HG-S70-34				62.1 lbs·in (71.4 ± 20% kgf·cm)
HG-S70-50	⑤	4-1/16" (103 mm)	2" (50 mm)	62.1 lbs·in (71.4 ± 20% kgf·cm)
HG-S100-50				88.7 lbs·in (102.0 ± 20% kgf·cm)
HG-S50-75	⑥	5-1/16" (128 mm)	2-15/16" (75 mm)	44.3 lbs·in (51.0 ± 20% kgf·cm)
HG-S70-75				62.1 lbs·in (71.4 ± 20% kgf·cm)

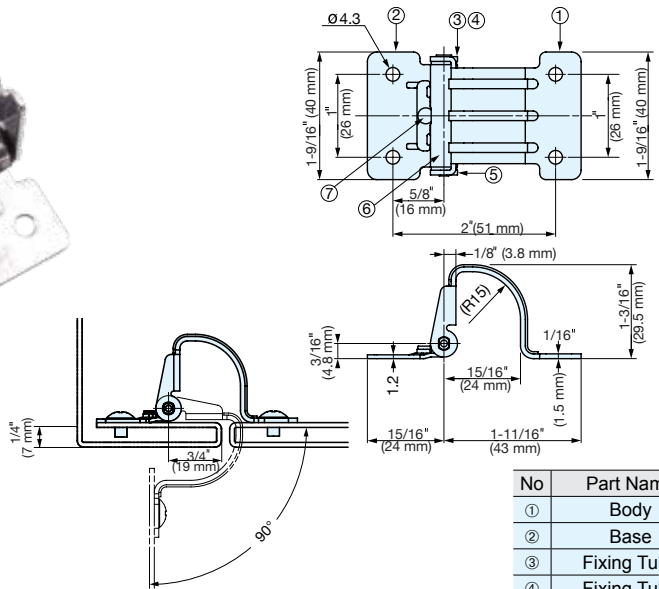
Part Name	Material	Finish
Plate	430 Stainless Steel	Barrel Polished
Washer		
F Plate	Bronze	-
Spring Washer	Stainless Steel/ Steel (HG-S-12)	
Shaft	303 Stainless Steel (HG-S7,S20)	
Bush	POM(HG-S-34)	
Sleeve	303 Stainless Steel (HG-S30,S50)	

HIDDEN TORQUE HINGE

RoHS compliant | STAINLESS 430 STEEL | STAINLESS 303 STEEL

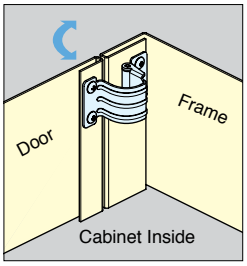
HG-TU





- Installation on the back side of the door.
- Can be used both for horizontal and vertical applications.

Note:
- Initial torque may vary -20%~+40%.
- Not suitable for high frequency use.
- Do not lubricate.
- For indoor use only.



Item No.	Torque per piece	Weight (g)	Box (pcs)	Carton (pcs)
HG-TU03	3.1 lbs·in (3.6 kgf·cm)	50	20	200
HG-TU07	6.2 lbs·in (7.1 kgf·cm)			

No	Part Name	Material	Finish
①	Body	430 Stainless Steel	Polished
②	Base		
③	Fixing Tube	Polyacetal	Black
④	Fixing Tube		
⑤	Shaft	303 Stainless Steel	-
⑥	Press Washer	430 Stainless Steel	Polished
⑦	Pin		-

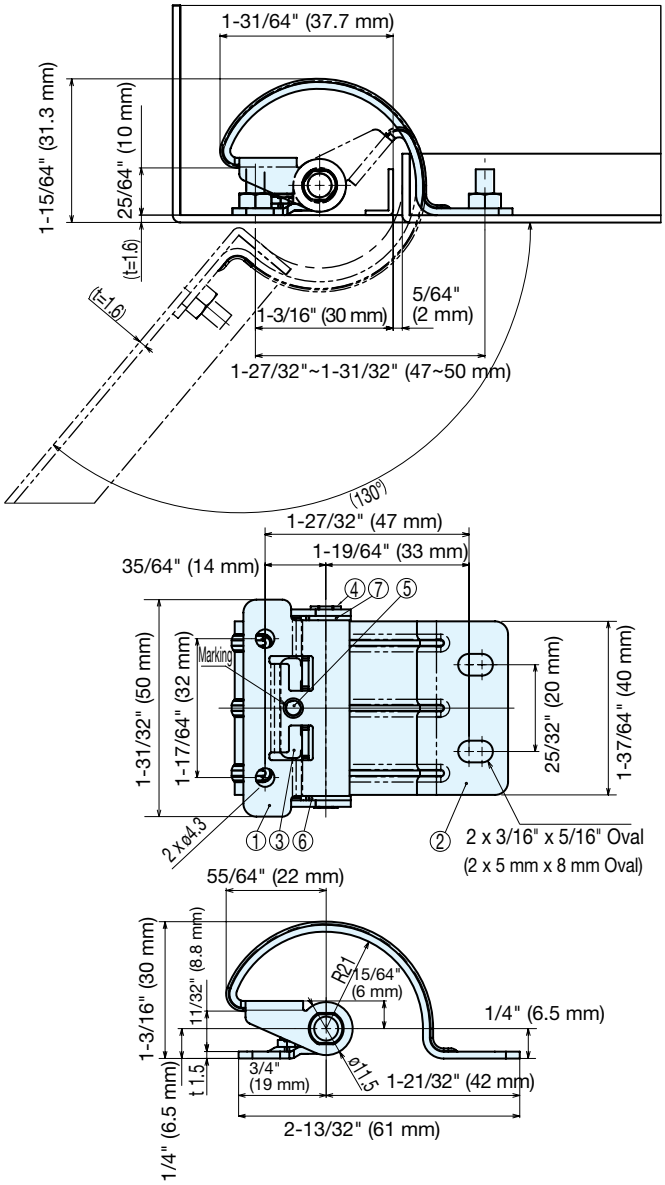
CONCEALED TORQUE HINGE

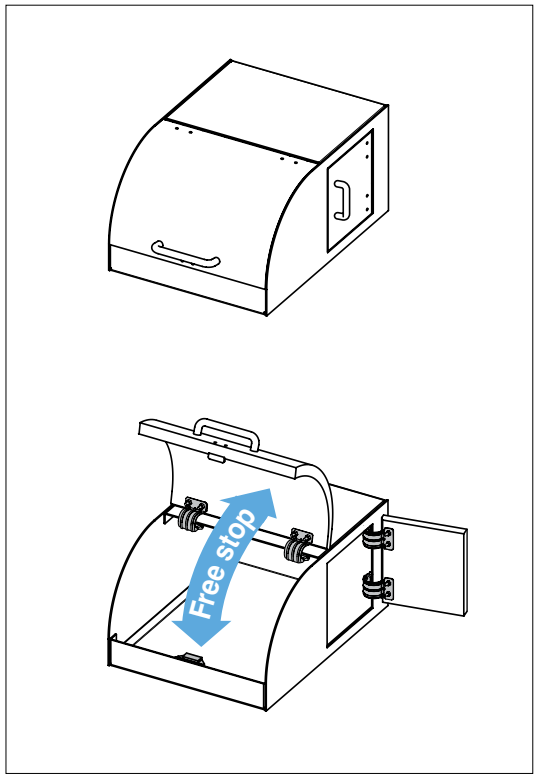
HG-TUWA

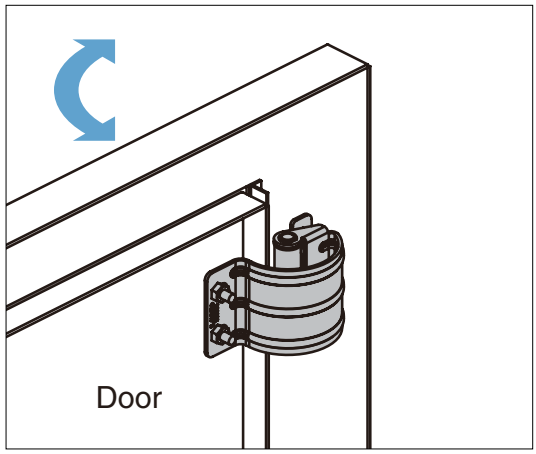


- High torque and wide opening angle (130°).
- Installation on the back side or inner side of the door for a clean aesthetics and appearance.
- Can be used horizontally or vertically.
- When installing, ensure that both hinge shafts are aligned.
- Successfully passed 20,000 open/close private cycle tests.

Note:
- Initial torque may vary -20%~+40%.
- Not suitable for high frequency use.
- Do not lubricate.







Item No.	Torque per piece	Weight (g)	Box (pcs)	Carton (pcs)
HG-TUWA07	6.2 lbs·in (7.1 kgf·cm)	88	20	100
HG-TUWA15	13.2 lbs·in (15.3 kgf·cm)			

No	Part Name	Material	Finish
①	Body	304 Stainless Steel	Polished
②	Base		
③	Press Washer		
④	Shaft	303 Stainless Steel	-
⑤	Pin	Stainless Steel	
⑥	Fixing Tube L	Plastic	Black
⑦	Fixing Tube R		

TORQUE DAMPER INTRODUCTION



UDH-14

- Keeps lid from slamming shut.
- Hinge torque within compact cartridge.
- Operating temperature: 32°F~104°F (0°C~40°C)

UDH-16

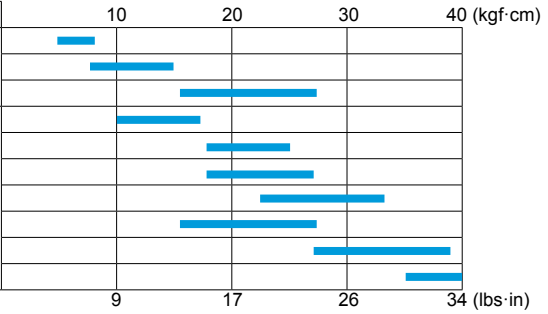


UDH



UDH-16N

Item No.	Torque per piece (lbs·in)	Torque per piece (kgf·cm)	Page
UDH-14A (B) LS	4.4~7.1	5.1~8.2	254
UDH-14A (B) MS	7.1~13.3	8.2~15.3	
UDH-14A (B) HS	13.3~22.1	15.3~25.5	
UDH-16A (B) MS	8.8~15.0	10.2~17.3	255
UDH-16A (B) HS	15.0~22.0	17.3~25.5	
UDH-16NA (B) MS	15.0~21.2	17.3~24.5	
UDH-16NA (B) HS	19.4~26.6	22.4~30.6	
UDH-A (B) MS	13.0~21.0	15.3~25.5	
UDH-A (B) HS	21.0~30.0	25.5~35.7	
UDH-AGS	30.0~34.0	35.0~40.0	



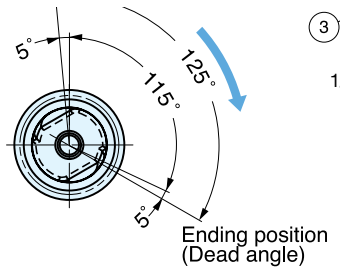
TORQUE DAMPER UDH-14

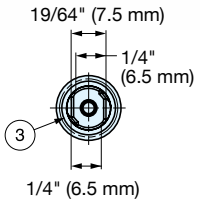
NSF COMPONENT

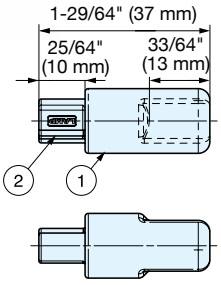
RoHS

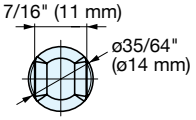


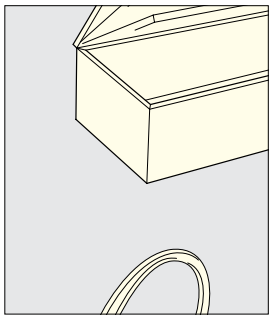
- Keeps lid from slamming shut.
- High torque within compact cartridge.
- Operating temperature: 32°F~104°F (0°C~40°C)











Application

1-29/64" (37 mm

No	Part Name	Material	Finish
①	Body	304 Stainless Steel	Plain
②	Shaft	PBT Plastic	A-White, B-Grey
③	Cover Ring		-

* NSF Component

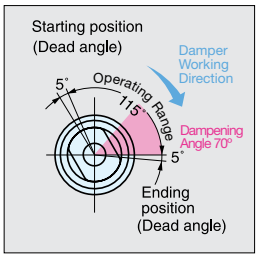
Item No.	Torque per piece	Dampening Direction	Weight (g)	Box (pcs)	Carton (pcs)
UDH-14ALS	4.4~7.1 lbs·in (5.1~8.2 kgf·cm)	Counter Clockwise	10	40	400
UDH-14BLS		Clockwise			
UDH-14AMS*	7.1~13.3 lbs·in (8.2~15.3 kgf·cm)	Counter Clockwise			
UDH-14BMS		Clockwise			
UDH-14AHS*	13.3~22 lbs·in (15.3~25.5 kgf·cm)	Counter Clockwise			
UDH-14BHS*		Clockwise			

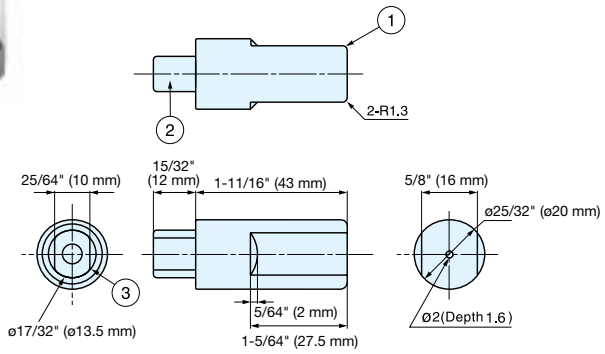
TORQUE DAMPER

UDH

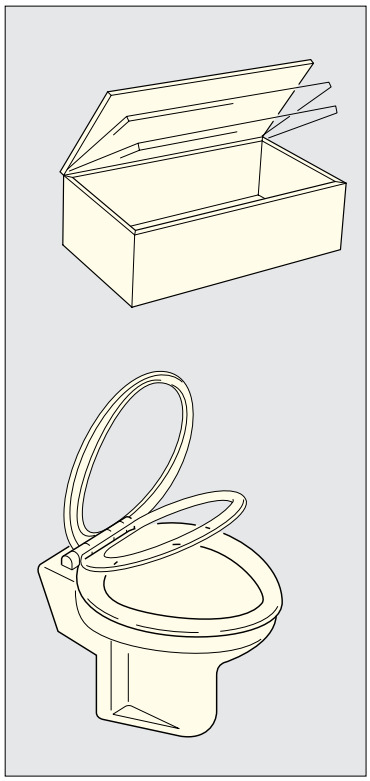
UDH Type





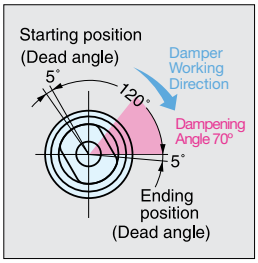


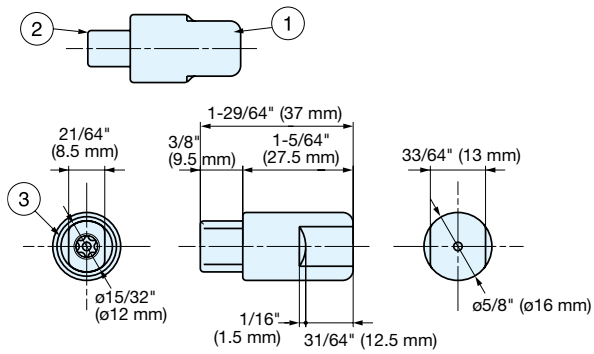
- Keeps lid from slamming shut.
- High torque within compact cartridge.
- Operating temperature:
  32°F~104°F (0°C~40°C)



UDH-16 Type

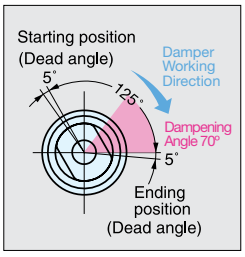


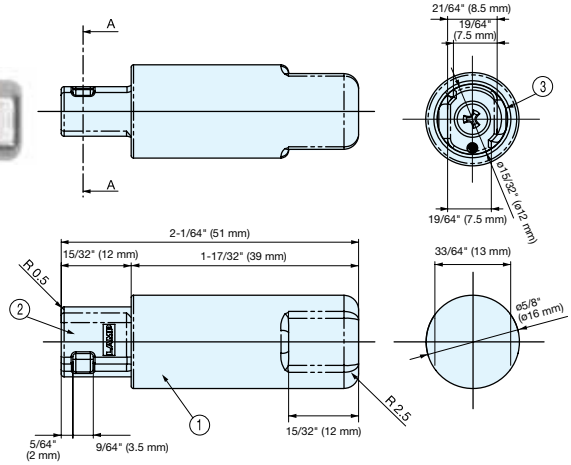




UDH-16N Type







Application

UDH Type

No.	Part Name	Material	Finish/Color
①	Body	304 Stainless Steel	Plain
②	Shaft	PBT Plastic	A-White, B-Grey
③	Cover Ring	304 Stainless Steel	-

UDH-16 Type

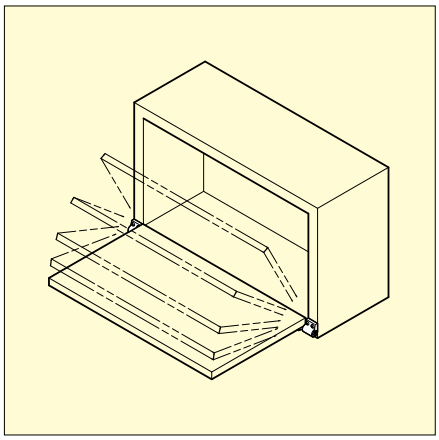
No.	Part Name	Material	Finish/Color
①	Body	304 Stainless Steel	Plain
②	Shaft	PBT Plastic	A-White B-Grey
③	Cover Ring		-

UDH-16N Type

No.	Part Name	Material	Finish/Color
①	Body	304 Stainless Steel	Plain
②	Shaft	PBT Plastic	A-White B-Grey
③	Cover Ring	PPS Plastic	-

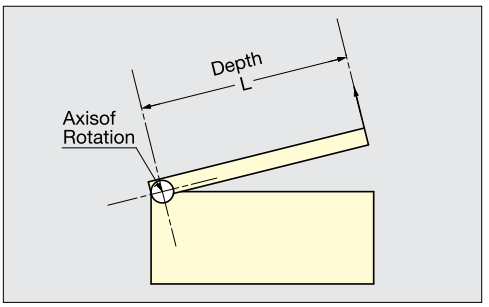
Item No.	Torque per piece	Dampening Direction	Weight (g)	Carton (pcs)
UDH-AMS	13 ~ 21 lbs·in (15 ~ 25 kgf·cm)	Counter Clockwise	38	200
UDH-BMS		Clockwise		
UDH-AHS	21 ~ 30 lbs·in (25 ~ 35 kgf·cm)	Counter Clockwise		
UDH-BHS		Clockwise		
UDH-AGS	30 ~ 34 lbs·in (35 ~ 40 kgf·cm)	Counter Clockwise		
UDH-16AMS	8.8~15 lbs·in (10.2~17.3 kgf·cm)	Counter Clockwise	16	200
UDH-16BMS		Clockwise		
UDH-16AHS	15~22 lbs·in (17.3~25.5 kgf·cm)	Counter Clockwise		
UDH-16BHS		Clockwise		
UDH-16N AMS	15~21.2 lbs·in (17.3~24.5 kgf·cm)	Counter Clockwise	20	200
UDH-16N BMS		Clockwise		
UDH-16N AHS	19.4~26.6 lbs·in (22.4~30.6 kgf·cm)	Counter Clockwise		
UDH-16N BHS		Clockwise		

SOFT-CLOSE HINGE INTRODUCTION



Damper hinges incorporate 2 functions into one piece of hardware: unidirectional dampening and hinge connectivity. These hinges do not have a strict load capacity, but instead a torque rating, which indicates the suitable range of torque for each model hinge.

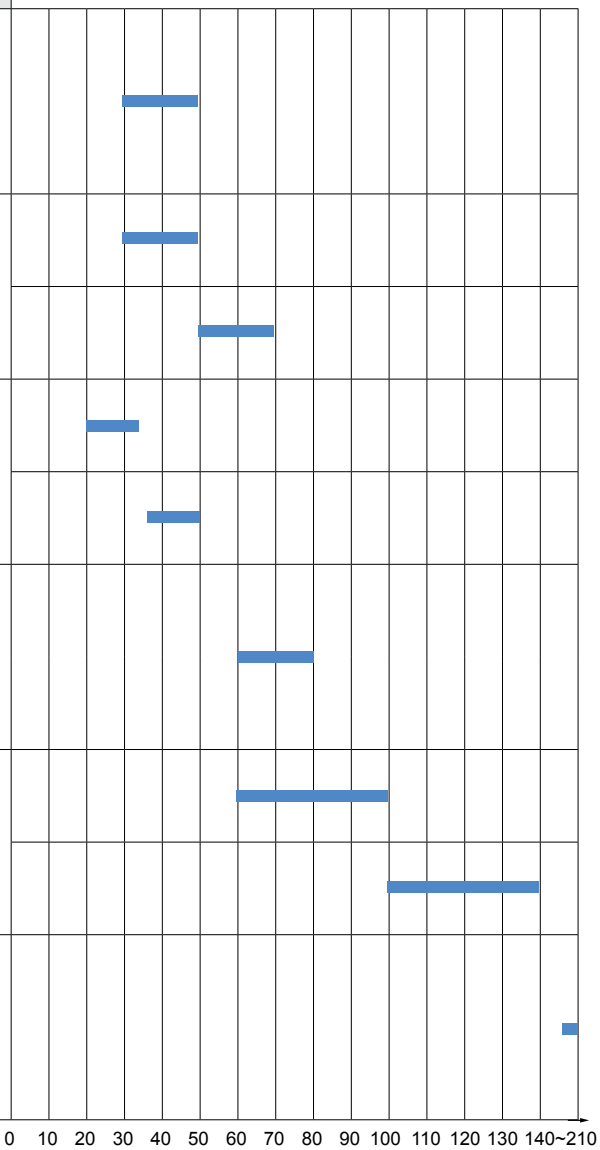
If your box is already fabricated with hinges installed, please consider using a soft down stay. See page 316~341 for more information on that line of hardware.



The torque rating of an application can be determined by using the following equation:

$$\text{panel weight (in pounds)} \times \text{panel depth (in inches)} \times \frac{1}{2} = \text{torque (in lbs·in)}$$

Picture	Item No.	Torque (lbs·in)	Torque (kgf·cm)	Page
	HG-JH14-50	26.0~44.0	30~51	261
	HG-JH25	27.0~44.0	31~51	261
	HG-JH35	44.0~61.0	51~71	
	HG-JHM16-34BL (WT)	17.4~29.5	20~34	262
	HG-JHM16-50BL (WT)	29.5~43.4	34~50	
	HG-JHM20-80BL (WT)	53.0~70.8	61~82	263
	HG-JHW50 (G)	53.0~88.0	61~102	264
	HG-JHW70 (G)	88.0~124.0	102~143	
	HG-JH210	182.0	210	265



SOFT-CLOSE DAMPENING HINGE

RoHS compliant | NO SCREW | Lapcon

HG-JHM9

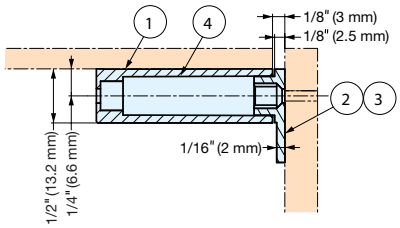


HG-JHM9-S Black

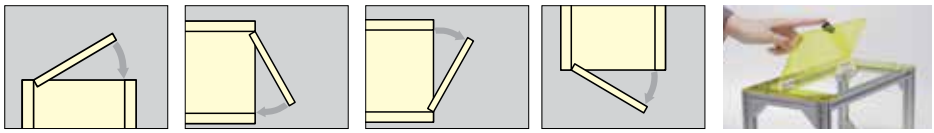


HG-JHM9-U White

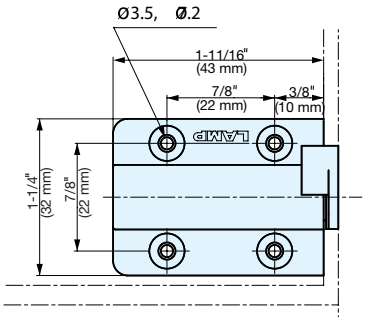
- Hinge with damper built-in to keep lid from slamming shut.
- Surface mounts into the lid.
- Side panel or under panel mounted.
- Sold as a set.



Damping direction



Top-Opening | Upward | Downward | Trapdoor



Item No.	Shaft Color	Type	Torque per pair
HG-JHM9-S-BL	Black	Side Panel Mount	0.48~0.77 lbs·in (0.55~0.88 kgf·cm)
HG-JHM9-S-WT	White		
HG-JHM9-U-BL	Black	Under Panel Mount	
HG-JHM9-U-WT	White		

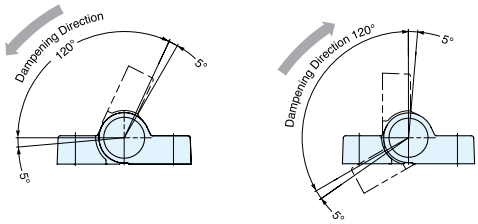
No.	Part Name	Material	Finish
①	Bracket	Polyacetal	Black/ White
②	Mounting Plate R	PBT plastic	
③	Mounting Plate L		
④	Damper	Polyacetal	-

SOFT-CLOSE HINGE

RoHS compliant | NO SCREW | Lapcon

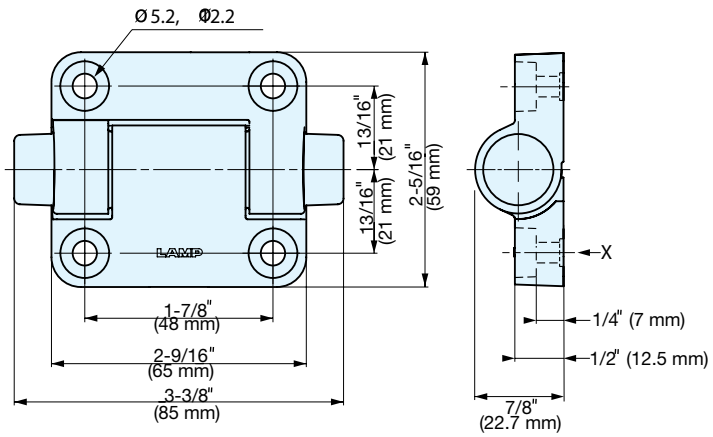
HG-JHW16S





HG-JHW16S HG-JHW16SG

- Hinge with built-in damper to keep lid from slamming.
- Torque calculation:
- Torque = Door Height x 1/2 Door Weight.
- Passed 70,000 open/close cycle tests.



Item No.	Damper Direction	Torque	Weight (g)	Box (pcs)
HG-JHW16S-34	Closing	17~30 lbs·in (20~35 kgf·cm)	83	30
HG-JHW16S-50		30~44 lbs·in (35~51 kgf·cm)		
HG-JHW16S-34G	Opening	17~30 lbs·in (20~35 kgf·cm)		
HG-JHW16S-50G		30~44 lbs·in (35~51 kgf·cm)		
HG-JHW16S-00	No Damper	-	52	

Part Name	Material	Finish/Color
Bracket	PBT plastic	Dark Grey
Cap	Polypropylene	-
Damper	304 Stainless Steel	Plain

SOFT-OPEN DAMPENING HINGE

RoHS compliant | NO SCREW | Lapcon

HG-JHS9

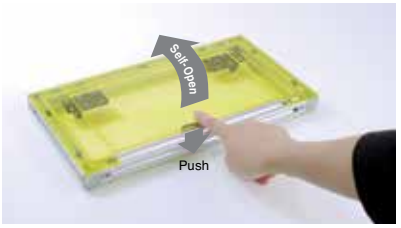


HG-JHS9-S Black

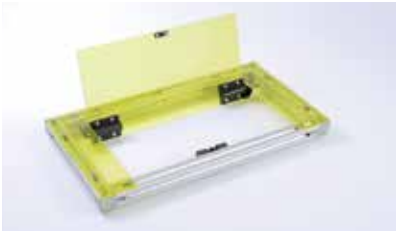


HG-JHS9-U White

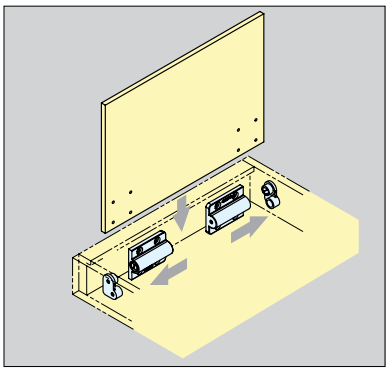
- Soft opening hinge, push latch sold separetely.
- Built in damper for soft opening.
- Sold as a set.
- For inset applications.
- 105 degrees opening angle.

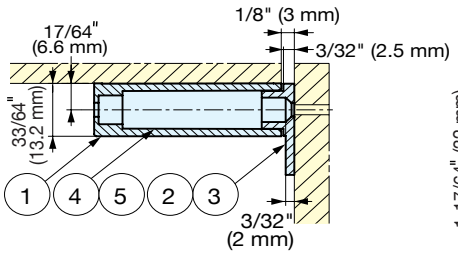


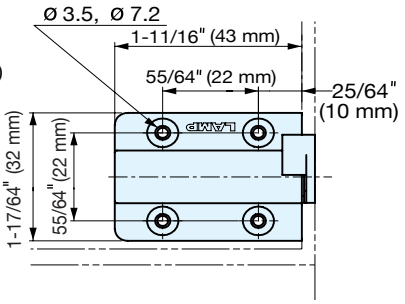
Push latch sold separately



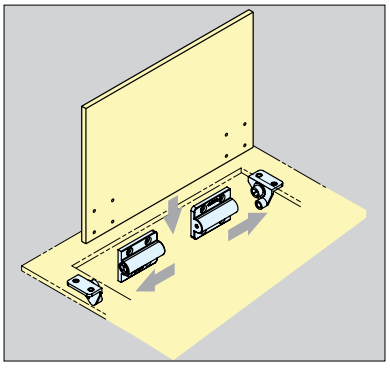
Side Mount

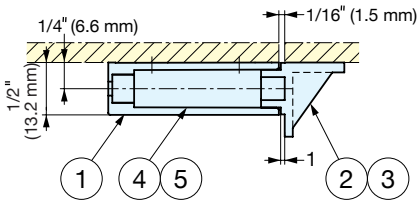


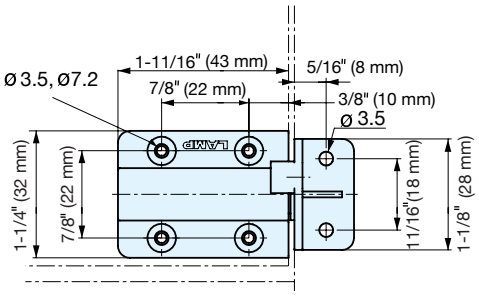




Under Mount







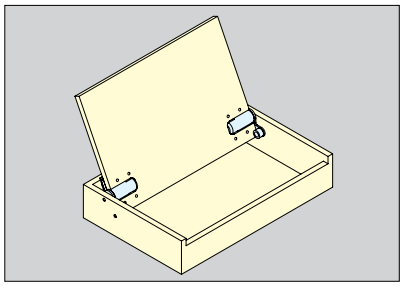
Item No.	Color	Type	Torque per piece
HG-JHS9-S-BL	Black	Side Panel Mount	0.24~0.38 lbs·in (0.28~0.44 kgf·cm)
HG-JHS9-S-WT	White		
HG-JHS9-U-BL	Black	Under Panel Mount	
HG-JHS9-U-WT	White		

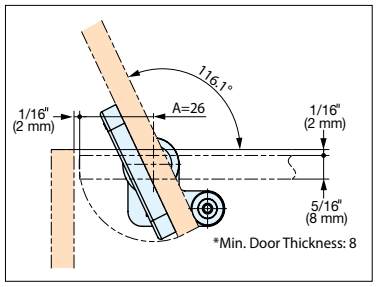
No.	Part Name	Material	Finish
①	Bracket	Polyacetal	Black/White
②	Mounting Plate R	PBT plastic	
③	Mounting Plate L		
④	Damper	Polyacetal	-
⑤	Spring	Zinc Alloy	Spring

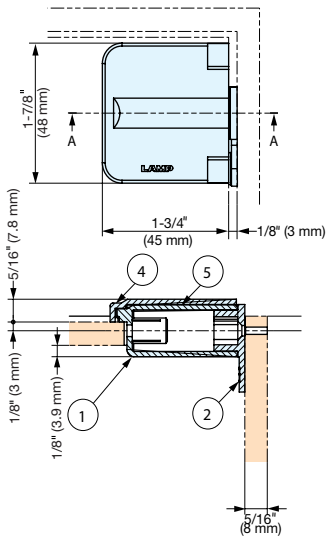
SOFT-CLOSE DAMPENING HINGE HG-JHM14



- Hinge with built-in damper to keep lid from slamming shut.
- Mortise mount type.







Item No.	Color	Torque per piece	Weight (g)	Box (pcs)	Carton (pcs)
HG-JHM14-S-8BL*	Black	4.3~7 lbs·in (5~8 kgf·cm)	51	20	220
HG-JHM14-S-8WT	White				
HG-JHM14-S-15BL	Black	7.0~13 lbs·in (8~15 kgf·cm)			
HG-JHM14-S-15WT	White				
HG-JHM14-S-20BL	Black	13.0~17 lbs·in (15~20 kgf·cm)			
HG-JHM14-S-20WT	White				

*NSF Component

No.	Part Name	Material	Finish
①	Bracket	Polyacetal	Black /White
②	Mounting Plate R	PBT plastic	
③	Mounting Plate L		
④	Face Plate	ABS plastic	
⑤	Damper	304 Stainless Steel	-

UNDER PANEL MOUNTING BRACKET UKZ14

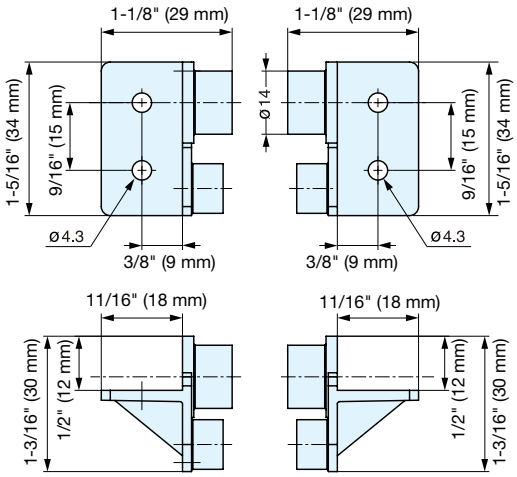
- Under panel installation bracket for HG-JHM14 Soft-Close hinge.

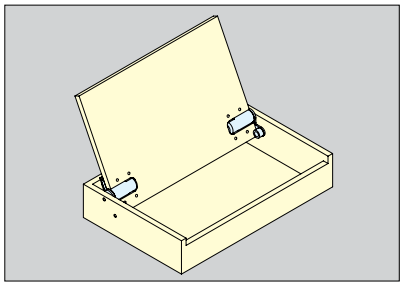


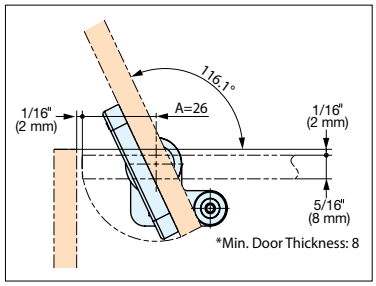
Black



White







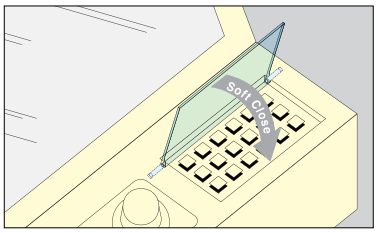
Item No.	Material	Color
UKZ14-BL	PBT Plastic	Black
UKZ14-WT		White

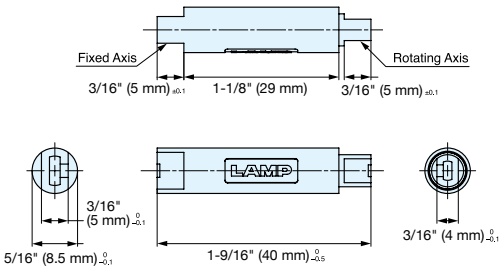
ROTARY DAMPER

RoHS compliant Lapcon **URD8-3**

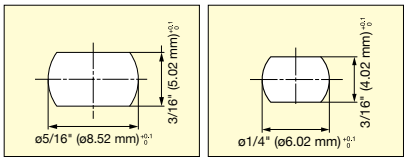


- 360 degree rotary damper.
- Cylindrical shape for concealed application.
- For inset applications.





Cut-Out Dimension



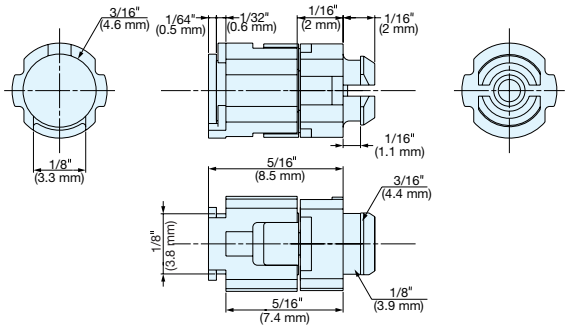
Item No.	Material	Finish	Torque per piece	Weight (g)
URD8-3	Polyacetal	Plain	0.19~0.26 lbs·in (0.22~0.39 kgf·cm)	2.5

MICRO DETENT HINGE

RoHS compliant **MPH**

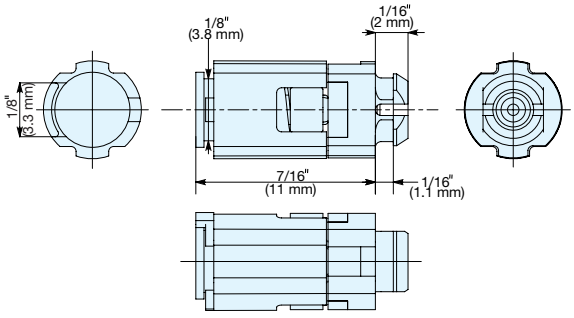
MPH-20-5





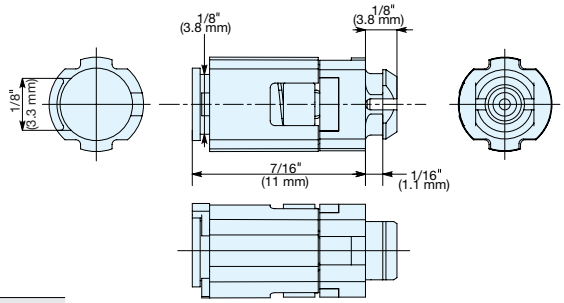
MPH-22





MPH-30





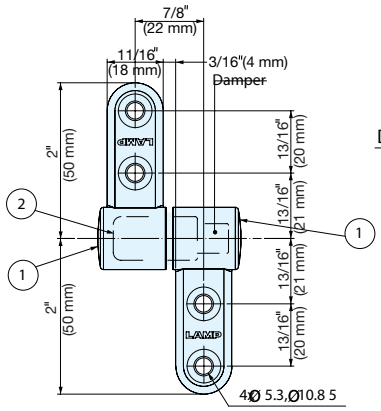
Item No.	Weight (g)	Carton (pcs)
MPH-20-5	0.46 (0.02 oz)	4000
MPH-22	0.62 (0.02 oz)	
MPH-30	1.01 (0.04 oz)	

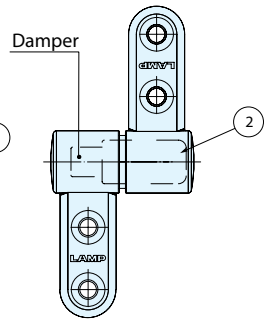
Part Name	Material	Finish
Body	Polyacetal	Grey
Spindle	Steel	Yellow Zinc Chromate

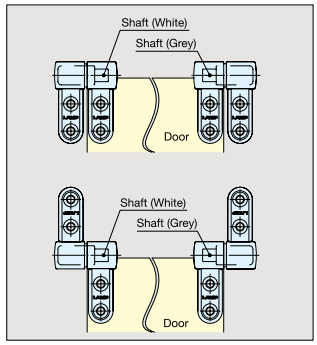
STAINLESS STEEL SOFT-CLOSE HINGE HG-JH14-50



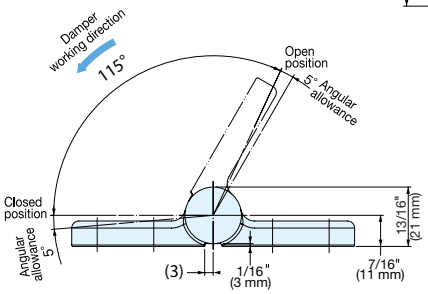
- Soft-Close damper keeps lid from slamming shut.
- Surface mount type.
- Operating temperature: 32~104˚F (0~40˚C)
- Operating angle: 115˚/Dead angle 5˚
- Sold in pairs.

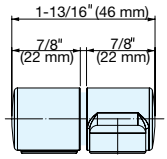


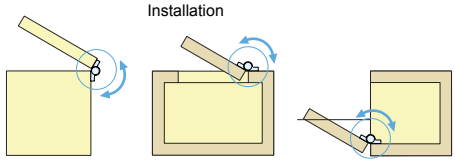




Installation







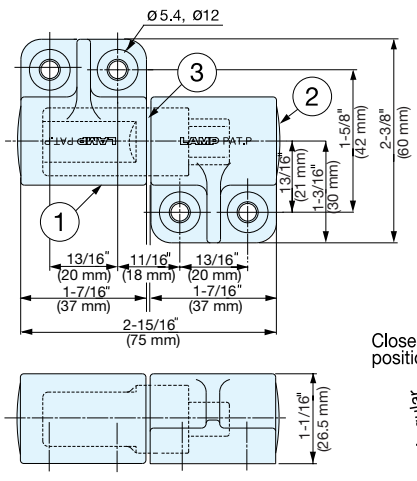
No.	Part Name	Material	Finish
①	Bracket	SCS13 Stainless Steel (Similar to SUS304)	Mirror
②	Damper	304 Stainless Steel/PBT Plastic	Plain

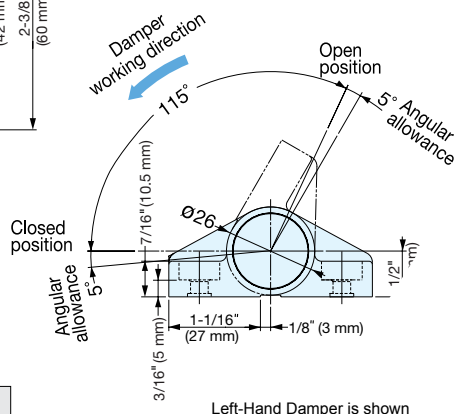
Item No.	Torque per pair	Weight (g)	Box (set)	Carton (set)
HG-JH14-50	26~44 lbs·in (30~51 kgf·cm)	254/pair	1	48

SOFT-CLOSE HINGE HG-JH



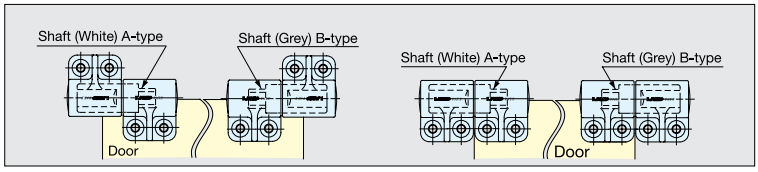
- Soft-Close damper keeps lid from slamming shut.
- Surface mount type.
- Operating temperature: 32~104˚F (0~40˚C)
- Operating angle: 115˚/Dead angle 5˚
- Sold in pairs.





Left-Hand Damper is shown

*A-type damper: Damper works counterclockwise.
*B-type damper: Damper works clockwise.
*Sold in pairs. (Each of A/B type)



Installation

No.	Part Name	Material	Color
①	Bracket	PBT Plastic/Zinc Alloy	Dark Grey
②	Cap	Polypropylene	
③	Damper	304 Stainless Steel	Plain

Item No.	Shaft Color		Torque per pair	Weight (g)	Box (pairs)	Carton (pairs)
HG-JH25	White (A-type)	Grey (B-type)	27~44 lbs·in (31~51 kgf·cm)	180/pair	4	64
HG-JH35			44~61 lbs·in (51~71 kgf·cm)			

SOFT-CLOSE HINGE

M4×20 STEEL Lapcon

HG-JHM16



- Hinge with damper built-in to keep lid from slamming shut.
- Mortise mount type.
- Ideal for small size lid.
- Sold in pairs.
- Torque Calculation:
  Torque = Door Height × 1/2 × Door Weight
  *Please see diagram below for applicable torque moment.
  *Please specify color of face plate (sold separately) when ordering.
  *Please install Left and Right brackets on correct side.



Bracket/Mounting Plate

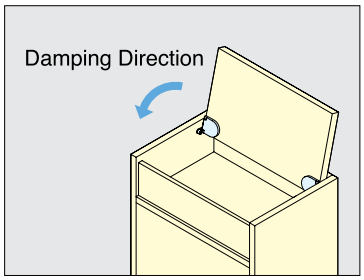


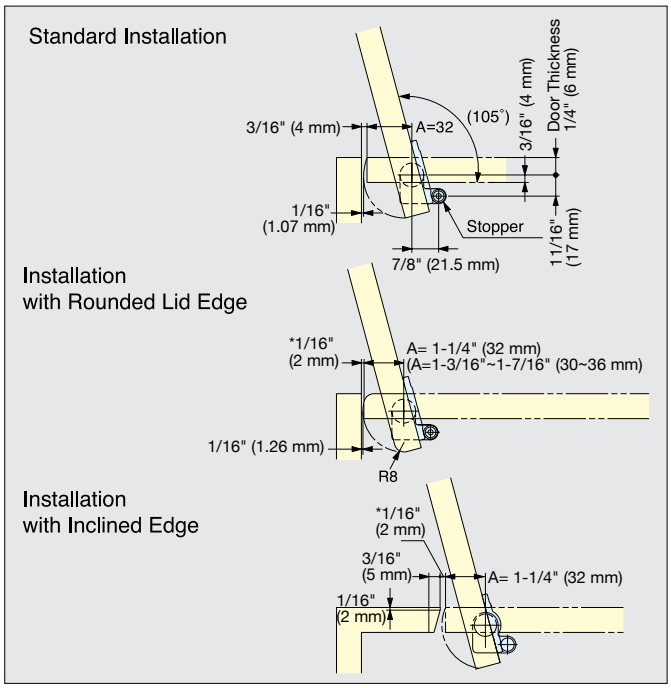
Black cover

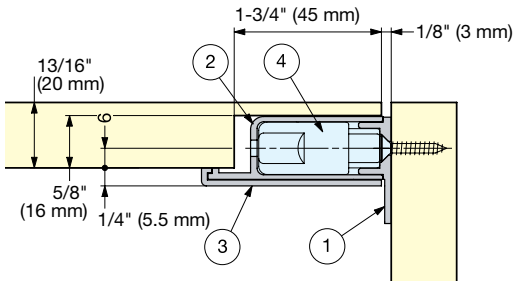


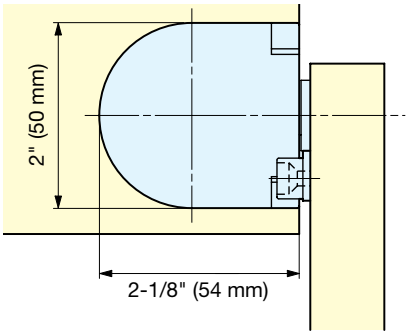
White cover

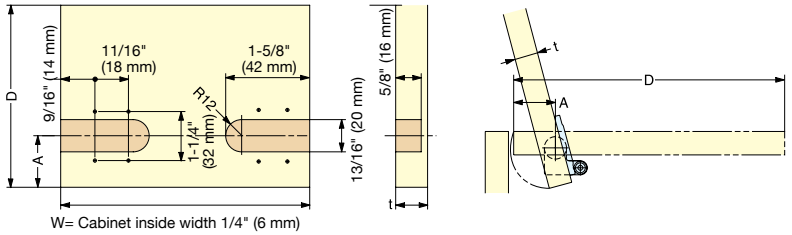












W= Cabinet inside width 1/4" (6 mm)

Item No.	Part Name	Color	Torque per pair	Weight (g)	Box	Carton
HG-JHM16-34	Body	Black	17.4~29.5 lbs·in (20~34 kgf·cm)	91/pair	10 pairs	120 pairs
HG-JHM16-50			29.5~43.4 lbs·in (34~50 kgf·cm)			
HG-JHM16-BL	Cover	Black	-	12/pair		
HG-JHM16-WT		White				

No.	Part Name	Material	Color
①	Mounting Plate	Aluminum	Black
②	Damper Bracket	Polyacetal	
③	Face Plate	ABS	White, Black
④	Damper	304 Stainless Steel	Plain

SOFT-CLOSE HINGE

4×20 STEEL Lapcon

HG-JHM20



- Hinge with damper built-in to keep lid from slamming shut.
- Mortise mount type.
- Ideal for small size lid.
- Sold in pairs.
- Torque Calculation:
  Torque = Door Height × 1/2 × Door Weight
  * Please see diagram below for applicable torque moment.
  * Please specify face plate color when ordering.
  * Please install Left and Right Brackets on correct side.
- Smaller type HG-JHM16 available.
- Suitable for use in vanity cases, electronics panels in tables, computer terminals for reception desks, etc.



Bracket/Mounting Plate

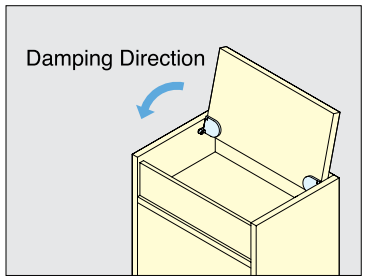


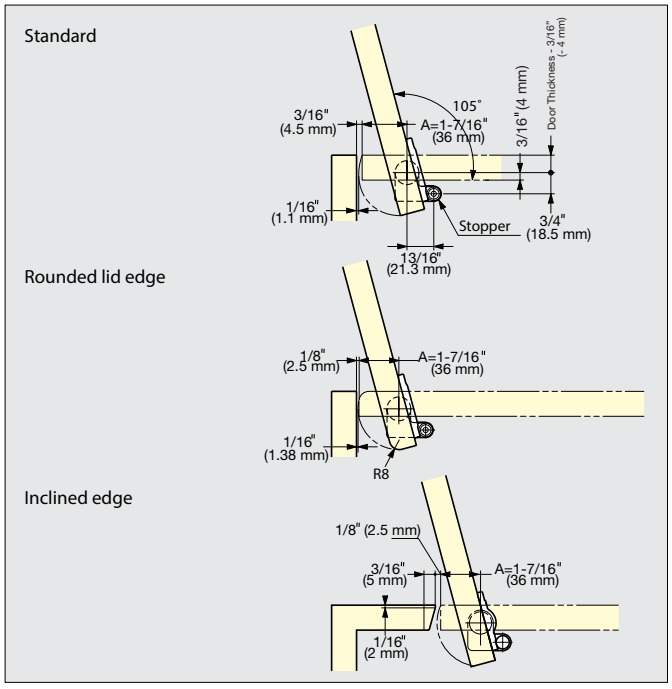
Black cover

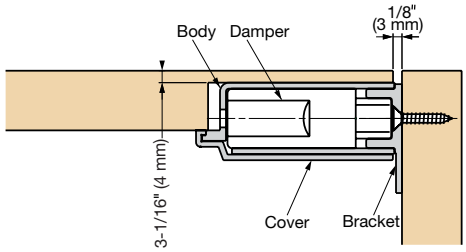


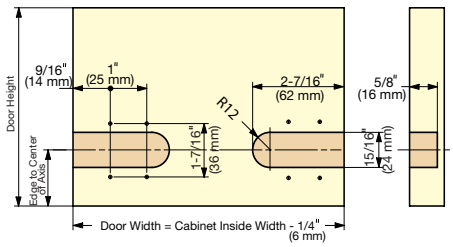
White cover

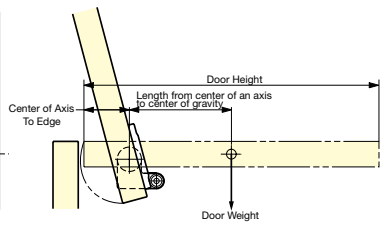


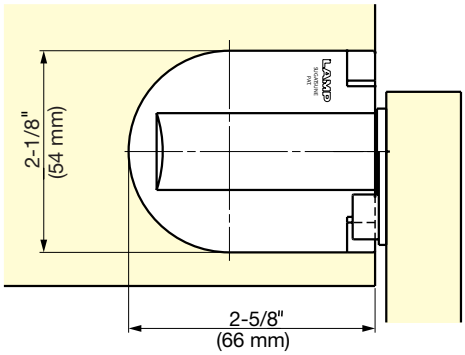












Item No.	Part Name	Color	Torque per pair	Box	Carton
HG-JHM20-80	Body	Black	53~70.8 lbs·in (61.2~81.6 kgf·cm)	10 pairs	90 pairs
HG-JHM20-BL	Cover	Black	-		120 pairs
HG-JHM20-WT		White	-		

No.	Part Name	Material	Finish/Color
①	Bracket	Polyacetal	Black
②	Mounting Plate	Aluminum	
③	Face Plate	ABS	Black/White
④	Damper	304 Stainless Steel	Plain

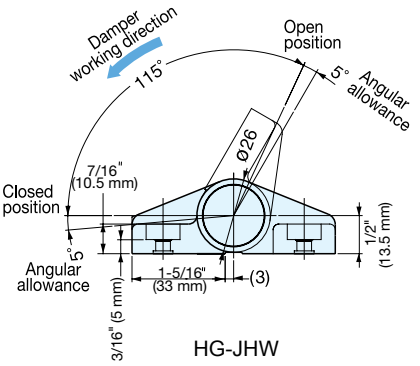
SOFT-CLOSE HINGE

RoHS compliant | NO SCREW | Lapcon

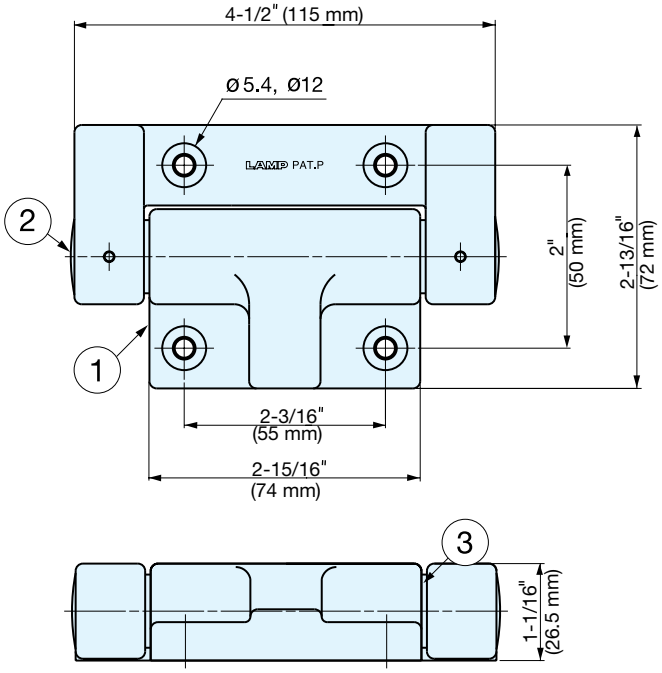
HG-JHW / HG-JHWG

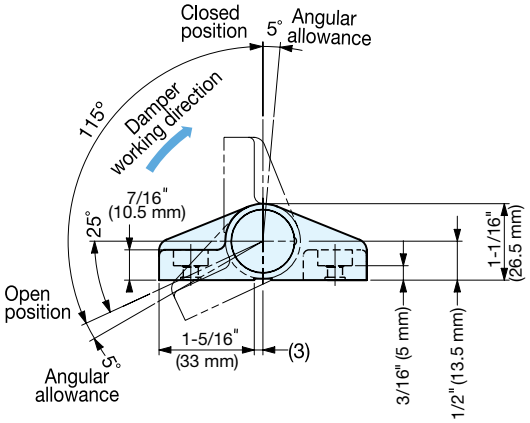


- Soft-Close damper keeps lid from slamming shut.
- Surface mount type.
- Two different damper direction available for various application.
- Operating temperature: 32~104˚F (0~40˚C)
- Operating angle: 115˚/Dead angle 5˚



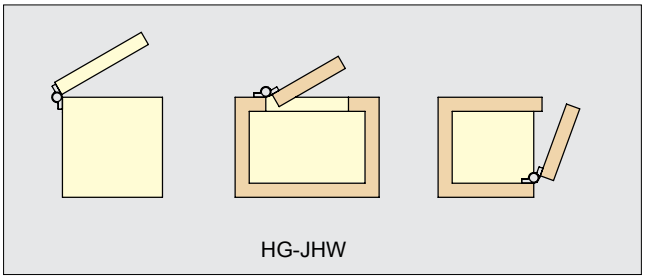
HG-JHW





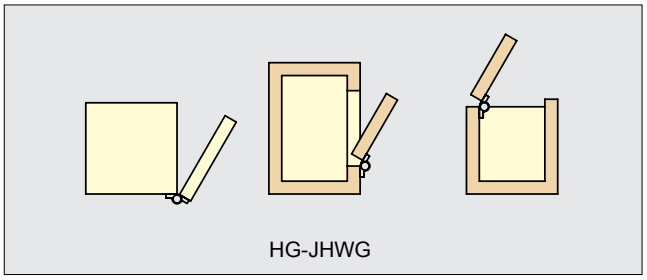
HG-JHWG

Installation



HG-JHW

Installation



HG-JHWG

Item No.	Torque per pair	Weight (g)	Box (pcs)	Carton (pcs)
HG-JHW50	53~88 lbs·in (61~102 kgf·cm)	200	4	64
HG-JHW70	88~124 lbs·in (102~143 kgf·cm)			
HG-JHWG50	53~88 lbs·in (61~102 kgf·cm)			
HG-JHWG70	88~124 lbs·in (102~143 kgf·cm)			

No.	Part Name	Material	Color
①	Bracket	PBT Plastic/Zinc Alloy	Dark Grey
②	Cap	Polypropylene	
③	Damper	304 Stainless Steel	Plain

* Sold per piece.

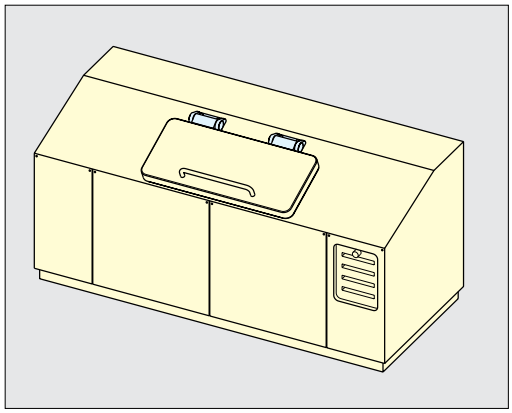
LIFT ASSIST HINGE

STAINLESS 316 STEEL | NO SCREW | Lapcon

HG-JH210



- Designed for industrial access panels.
- Built-in damper keeps lid from slamming shut.
- Passed private 30,000 open/close cycle tests.
- Maximum torque: 182 lbs·in (210 kgf·cm) per piece.



Installation

■ Moment Formula and Graph

Door Moment $Mt = W \times \frac{L}{2} \times \cos\theta$

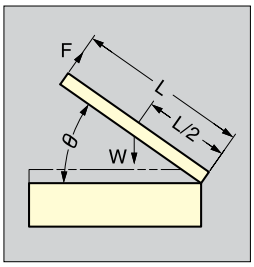
Hinge Moment $Mh = Mm \times (1 - \frac{\theta}{115})$

Torque to lift door $Mz = Mh - Mt$

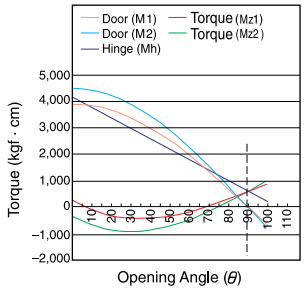
Force to lift door $F = \frac{Mt - Mh}{L}$

W : Door Weight	θ : Opening Angle
L : Door Length	Mm : Torque of Assist Hinge

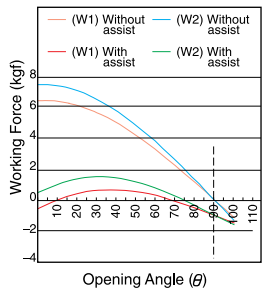
When Mz is:
"-" shows closing force. "+" shows opening force.



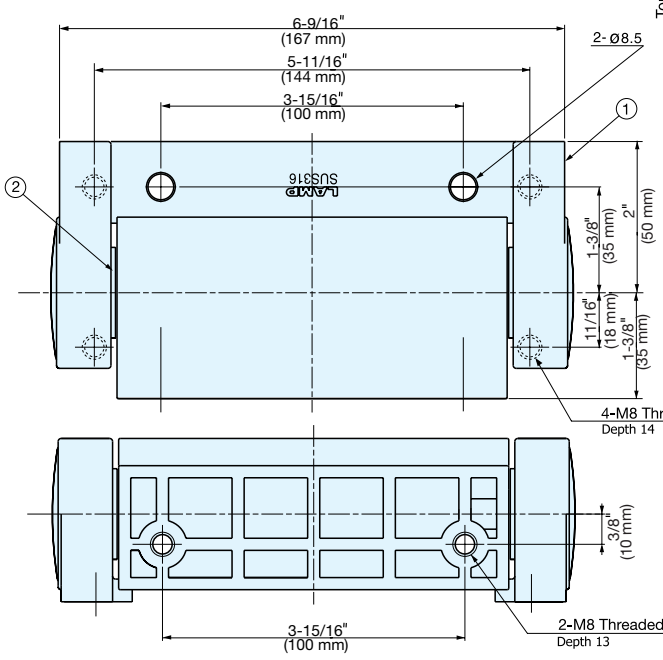
Assist Hinge Moment

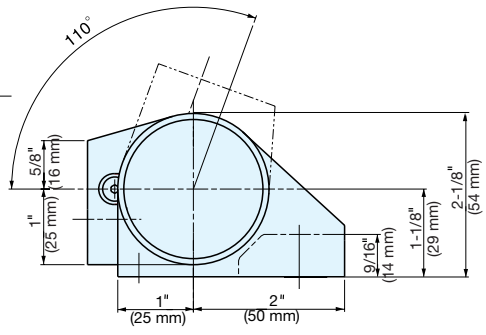


Working Force at opening Angle (Compared with No Assist)



*When used as a pair. (L: 60 cm, W1: 13 kg, W2:15 kg)





Item No.	Torque per piece	Weight (kg)	Box (pcs)	Carton (pcs)
HG-JH210	182 lbs·in (210 kgf·cm)	2.4	1	10

No.	Part Name	Material	Finish
①	Body	316 Stainless Steel	Mirror
②	Built-In Damper	304 Stainless Steel + PBT Plastic	-

DAMPER HINGE

RoHS compliant | NO SCREW | Lapcon

HG-JHM20T



Sold in pairs.

- Surface mount type: Easy to install without the need of recessing.
- Hinge with built-in UDH damper.
- Soft-close and smooth-open features.
- For Inset Lid.
- Cover hides mounting screws.
- Sold in pairs.
- Below torque range is the value when using a pair of hinges (left and right) per lid.
- When installing, ensure that both hinge shafts are levelled and aligned.
- Damper mechanism engages after being opened at 60° or more.



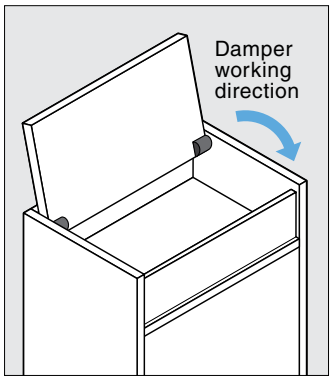
W/ black cover



W/ white cover

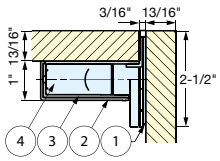


Chrome finished cover

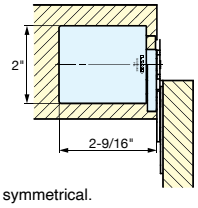


Front View

Top-opening lid closed



Top-opening lid opened by 90°



* Right-handed type shown. Left-handed type is symmetrical.

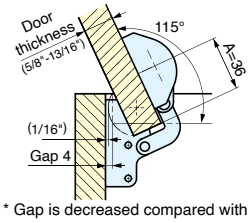
Door thickness	Standard		Chamfered Lid Edge	
	Size A	Gap	Size A	Gap
5/8" (16 mm)	1-7/16" (36 mm)	3/16" (4 mm)	1-1/2" (38 mm)	1/16" (2 mm)
11/16" (18 mm)			1-7/16" (37 mm)	1/8" (3 mm)
13/16" (20 mm)			–	–

Door Weight Selection

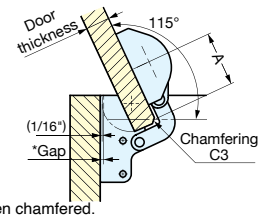
Door Length (D)	Door Weight (***m***)
9-13/16" (250 mm)	12.36 - 16.49 lbs (5.61 - 7.48 kg)
11-13/16" (300 mm)	10.07 - 13.42 lbs (4.57 - 6.09 kg)
13-3/4" (350 mm)	8.48 - 11.30 lbs (3.85 - 5.13 kg)
15-3/4" (400 mm)	7.34 - 9.76 lbs (3.33 - 4.43 kg)
17-3/4" (450 mm)	6.45 - 8.59 lbs (2.93 - 3.90 kg)

Installation

Standard

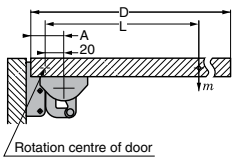


Chamfered lid edge



* Gap is decreased compared with standard when chamfered.

Calculation of maximum door moment (for homogeneous material)



$$T = m \times 9.80665 \times L \times \frac{1}{1000}$$

T : Max. door torque (N·m)
m : Door weight (kg)
L : Distance from rotation centre to door centre of gravity (mm)

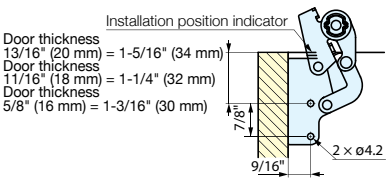
$$L = \frac{D}{2} - A + 20 \ *$$

D : Door length (mm)
A : Bracket installation dimension (mm) (The range of A is about 36mm - 38mm)

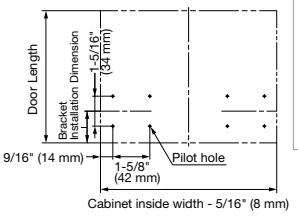
* (Formula for assuming that the center of gravity is in the centre of door)

* For heterogeneous door (e.g., attached with a mirror), please contact our technical support (support@sugatsune.com) for assistance.

Hinge Plate Installation Position



Cut Out Dimensions



Item No.	Color	Torque per piece
HG-JHM20T-80BL	Black	53.1~70.8 lbs·in (61.2~81.6 kgf·cm)
HG-JHM20T-80WT	White	
HG-JHM20T-80CR	Chrome	

No.	Part Name	Material	Finish
①	Hinge Plate	Sttel/Zinc Alloy	Nickel
②	Bracket	POM	Black
③	Cover	ABS	Black/White/ Chrome
④	Damper	-	-

SOFT-CLOSE HINGE Horizontal Opening

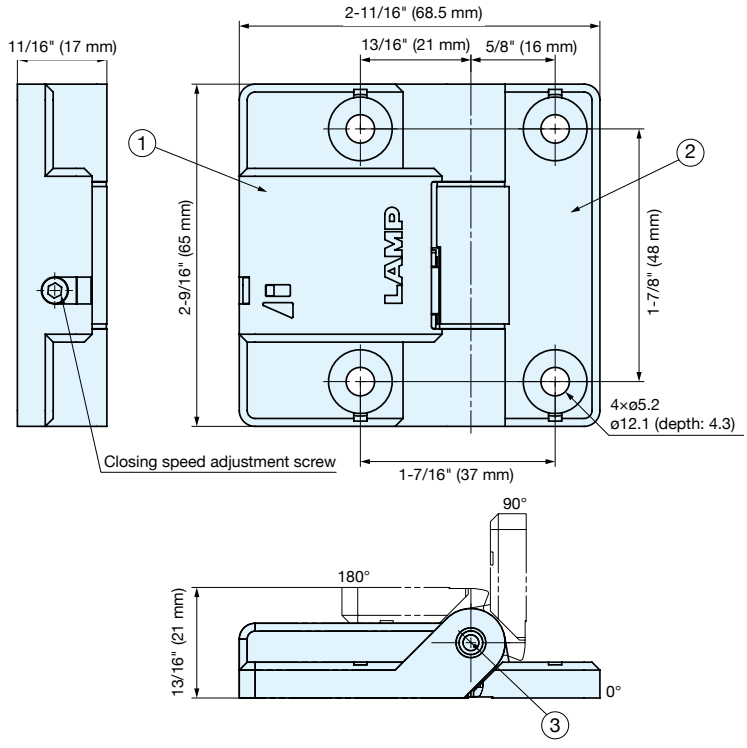
Lapcon RoHS

HG-JV65

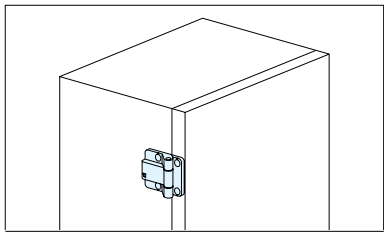


- Soft and self-closing hinge ensures quiet, safe door closure.
- Adjustable closing speed (with hex key). Allows precise, machine-friendly door movement.
- Firmly holds door closed to prevent gaps, so that machines continue to operate without interruption.
- Surface-mounted hinge saves internal machine space and helps maintain cleanliness (ideal for food equipment and medical industry).
- Can be installed on aluminum frames for machine equipment.
- Passed 50,000 cycle test (private).

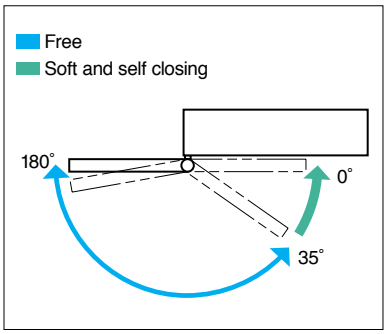
Note:
- Stoppers recommended to prevent door from over-extending past 180° opening.
- Not suitable for vibrational applications/ environments.
- Operating temperature: 32 - 104°F (0 - 40 °C).
- Do not lubricate.
- For indoor use only.



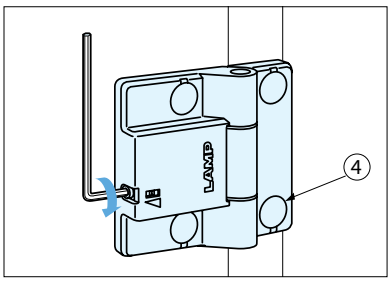
Installation



Operating Range



Closing Speed Adjustment



Closing speed of doors is adjustable with a hex key (size: 2.5).

No.	Part Name	Material	Finish
①	Body A	Polyamide (PA)	Black, Light Grey
②	Body B	Steel	
③	Shaft	Brass	Nickel
④	Screw Cover	Polyacetal (POM)	Black, Light Grey

Item Number	Finish	Available Door Specs				Weight (g)	Box (pcs)	Carton (pcs)
		Width	Height (mm)	Weight/2pc	Weight/3pc			
HG-JV65-S-BL	Black	Max. 27-9/16" (700 mm)	Max. 94-1/2" (2400 mm)	2.2~15.4 lb (1.0 - 7.0 kg)	15.4~26.4 lb (7.0 - 12.0 kg)	85	10	60
HG-JV65-S-LGR	Light Grey							

GLASS SHOWCASE SERIES GS-G



Glass Hinge (P.267)
GS-GH5

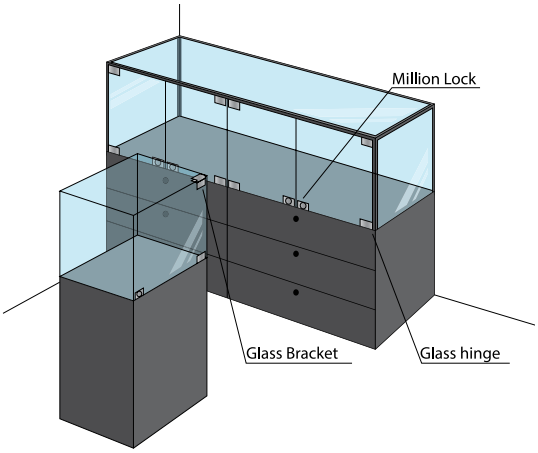


Glass Bracket (P.267)
GS-GB5

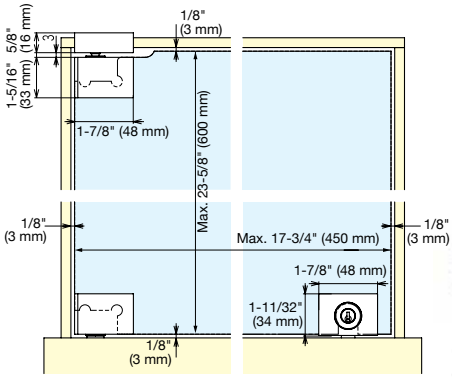


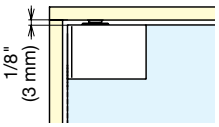
Glass Lock (P.268)
GS-GL5

Total Design Cordination



Clearance between door, top board, bottom board, and side board.



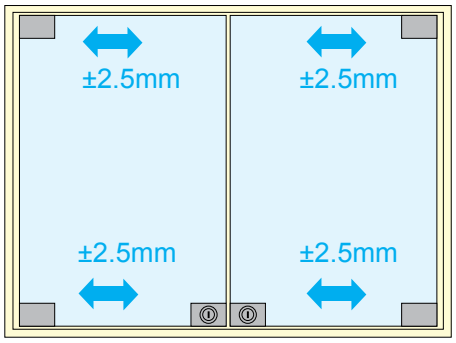


Wooden top board

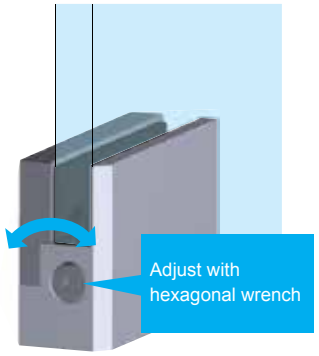


Flat design hardware completely matches glass showcase.

Easy adjustment after installation.

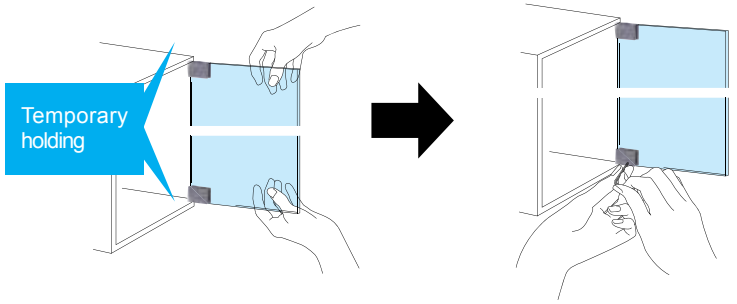


2.5mm adjustable by fixing adjustable screw on hinge side.



Temporary Hold for Easy Installation

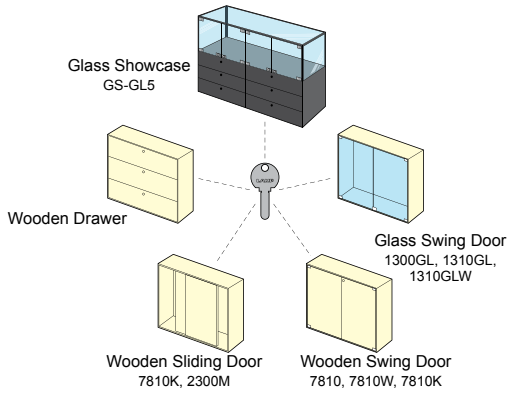
The door can be installed easily by clip-on and temporary holding features.



Lock drawers and doors with the same key.

Keys can be keyed to match other Million Lock Series products,

1 million key changes available (Million Lock Series).



GLASS HINGE (INSET) GS-GH5

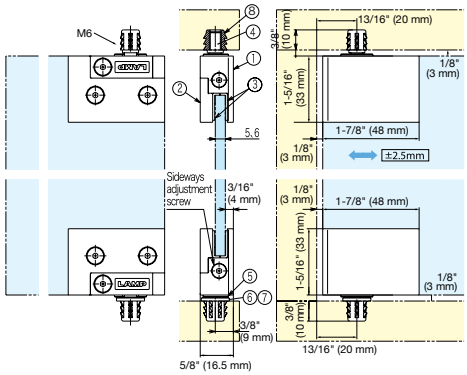

Chrome (CR)


24K Gold Plated (GP)

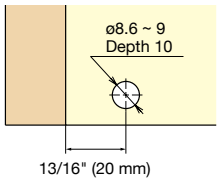

Black (BL)


Parts Included

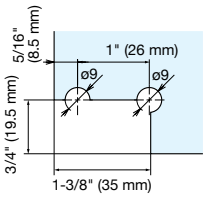
- Hinge for inset glass door for glass showcase.
- Can be used together with glass bracket GS-GB5 (below) and lock GS-GL5.
- Temporary holding feature allows for easy installation of the door by one person.
- Sideways adjustment 1/8" (±2.5 mm) possible after installation of the door.
- Gap below door is adjustable from 1/8" (3 mm) to 3/16" (5 mm) with washers.
- Sold in pairs.



Installation drawings



Top and bottom panel



Door

No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Chrome, Black, 24K Gold Plated
②	Back Plate		
③	Gasket	Chloroprene Rubber	Black
④	Axis	Stainless Steel	Plain
⑤	Plastic Washer	Polyamide	Black
⑥	Washer (t: 1.5)	304 Stainless Steel	Plain
⑦	Washer (t: 3.5)	Brass	Nickel
⑧	Insert	Zinc Alloy	-

Item Name	Door Width	Door Height	Door Weight	Glass Thickness	Finish
GS-GH5-CR	Max. 17-3/4" (450 mm)	Max. 23-5/8" (600 mm)	11 lbs/2 pcs (5 kg/2 pcs)	Min.3/16, 1/4" (5, 6 mm)	Chrome
GS-GH5-GP					Gold Plated
GS-GH5-BL					Black

GLASS BRACKET GS-GB5



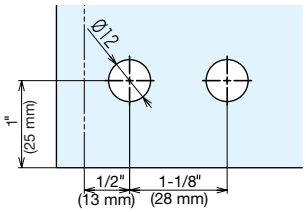

GS-GB5-CR
Chrome


GS-GB5-GP
24K Gold Plated

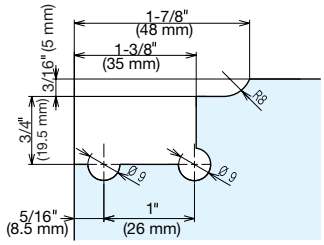

GS-GB5-BL
Black

- Can be used together with glass hinge GS-GH5 (above) and lock GS-GL5.

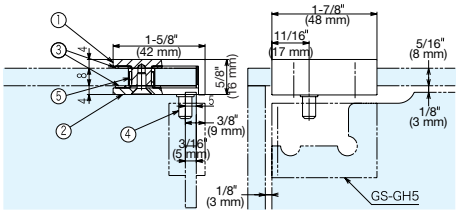
Installation drawings

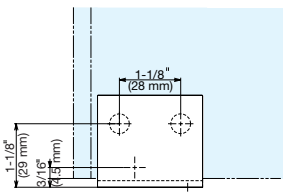


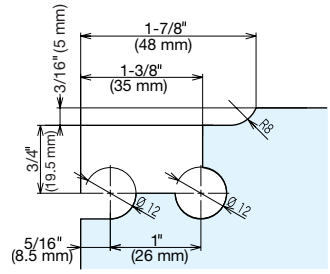
Top panel



Door







Door Tempered glass

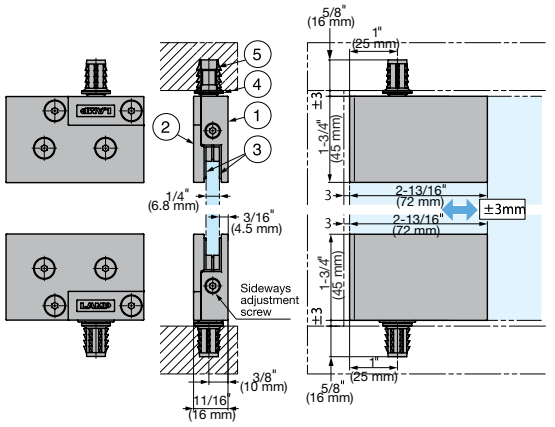
Drawing shows left side installation

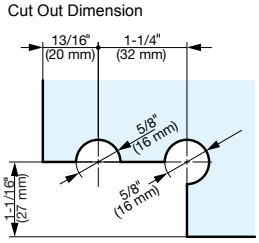
Item Name	Type	Glass Thickness	Finish
GS-GB5-R-CR	Right	15/16" (8 mm)	Chrome
GS-GB5-L-CR	Left		
GS-GB5-R-GP	Right		24K Gold Plated
GS-GB5-L-GP	Left		
GS-GB5-R-BL	Right		Black
GS-GB5-L-BL	Left		

No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Chrome, Black, 24K Gold Plated
②	Back Plate	304 Stainless Steel	
③	Washer	Chloroprene Rubber	Black
④	Axis	Stainless Steel	Plain
⑤	Tube	Polyvinyl Chloride	Clear

GLASS HINGE (INSET) GS-GH20







- Glass showcase hinge for inset door application.
- Can be used with the Million Lock Cylinder GS-GL20 to ensure unified design (lock, catch and hinge).
- Temporary hold function that enables a single person to install the door.
- Use provided gasket for 1/4" (6 mm) thick glass.
- Adjustments for up to ± 3mm by simply turning the adjustment screw.



Item Name	Door Width	Door Height	Door Weight	Glass Thickness	Finish
GS-GH20-CR	Max. 27-9/16" (700 mm)	Max. 63" (1600 mm)	44 lbs/2 pcs (20 kg/2 pcs)	1/4", 5/16" (6, 8 mm)	Chrome
GS-GH20-GP					Gold Plated
GS-GH20-BL					Black

No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Chrome, 24K Gold Plated, Black
②	Back Plate		
③	Gasket	Chloroprene Rubber	Black
④	Axis	Stainless Steel	Stainless Steel
⑤	Insert	Zinc Alloy	-

GLASS BRACKET GS-GB20



GS-GB20-CR
Chrome

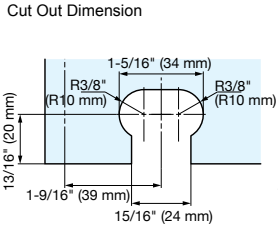


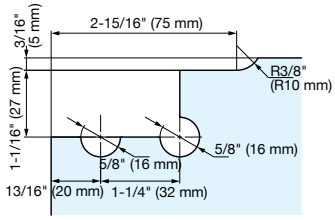
GS-GB20-GP
Gold Plated

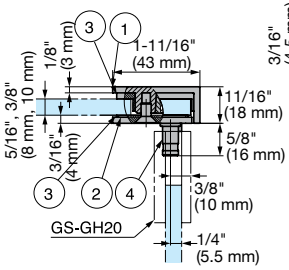


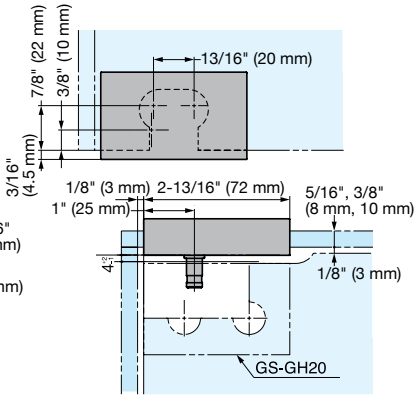
GS-GB20-BL
Black

- Can be used together with glass hinge GS-GH20 (above) and lock GS-GL20.









Item Name	Type	Glass Thickness	Finish
GS-GB20-R-CR	Right	5/16~3/8" (8~10 mm)	Chrome Plated
GS-GB20-L-CR	Left		
GS-GB20-R-GP	Right		24K Gold Plated
GS-GB20-L-GP	Left		
GS-GB20-R-BL	Right		Black Painted
GS-GB20-L-BL	Left		

No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Chrome, 24K Gold Plated, Black Painted
②	Back Plate	304 Stainless Steel	
③	Washer	Chloroprene Rubber	Black
④	Rotating Axis	Stainless Steel	Stainless Steel

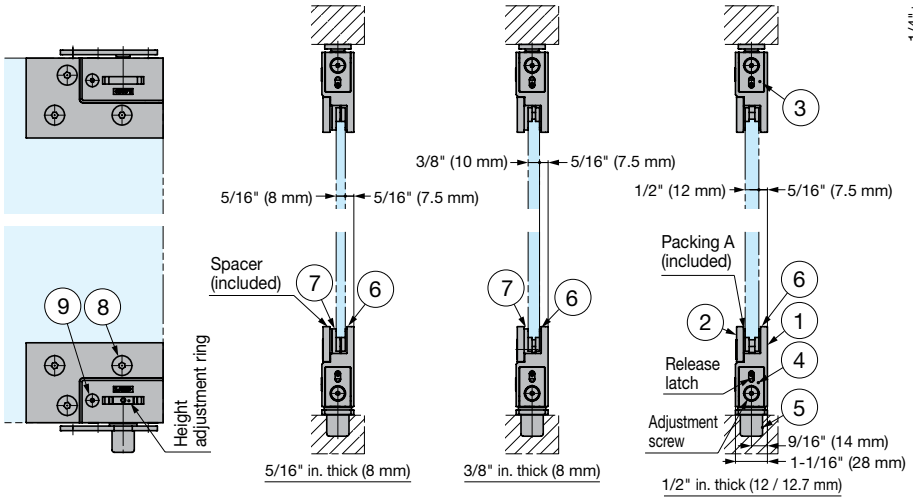
GLASS HINGE

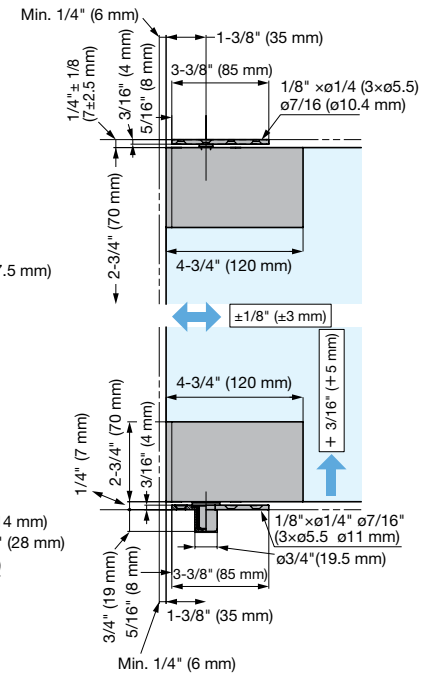
STEEL

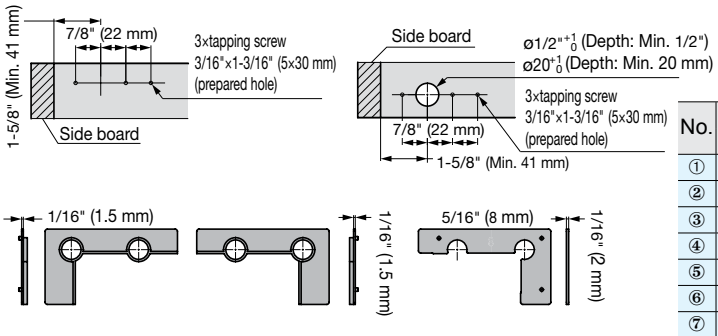
GS-GH50



- Designed for large inset glass showcases, sold in sets of 2.
- Recommended for use with the GS-GL50 lock for design coordination.
- Doors can be temporary held in frames before fixing screws for easy installation.
- The door position can be adjusted by ± 3 mm right and left post installation. (Horizontal adjustment screw).
- The gap below the door can be adjusted from 7 up to 12 mm post installation. (Height adjustment ring)
- Prioritize the door weight when determining the glass size.
- Shatter proof films are recommended to be used on glass doors for safety.

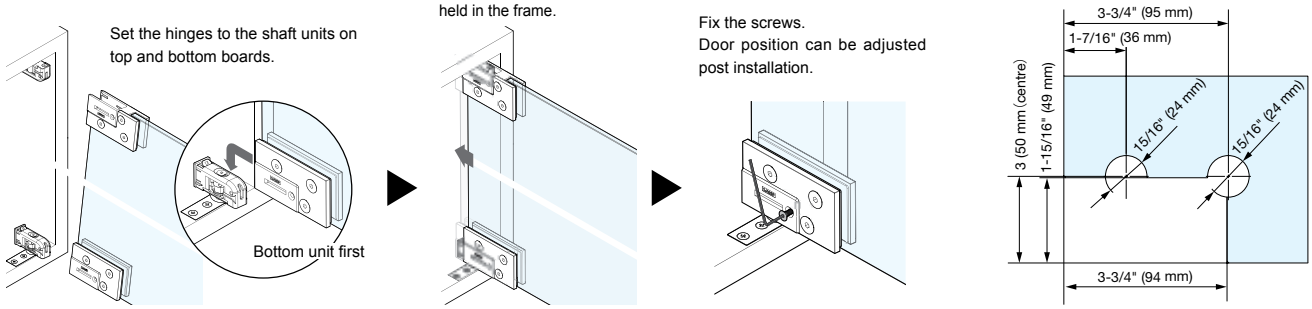






No.	Part Name	Material	Finish		
			CR	GP	BL
①	Body (front)	Zinc Alloy	Chrome Plated	Gold Plated (24K)	Matte Black
②	Body (back)				
③	Upper Shaft				
④	Bottom Shaft Unit				
⑤	Bottom Mounting Plate				
⑥	Packing A (t: 1.5)	Chloroprene Rubber (CR)	Black		
⑦	Packing B (t: 3.5)				
⑧	Hex socket bolt M8×16	Steel	Chrome	Gold Plated (24K)	Matte Black
⑨	Hex socket bolt M5×10				

Easy Installation



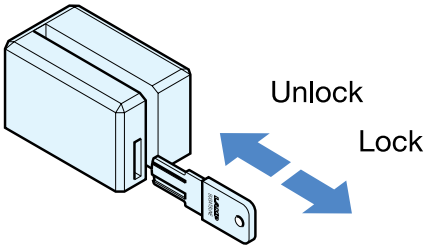
Item Name	Finish	Available Glass Size			Load Capacity	Finish
		Width	Width	Glass Thickness		
GS-GH50-CR	Chrome	35-7/16" (Max. 900 mm)	98-7/16" (Max. 2500 mm)	5/16", 3/8", 15/32", 1/2" (8, 10, 12, 12.7 mm)	110.23 lbs/2 pcs (50 kgf/2 pcs)	Chrome
GS-GH50-GP	Gold Plated (24K)					Gold Plated (24K)
GS-GH50-BL	Matte Black					Matte Black

GLASS SHOWCASE HARDWARE XL-GC SERIES



- Hinges, Locks and Sliding Door hardware with same design concept.
- Swing and Sliding Doors can be operated with a single key.
- Key hole is located on the side for clean appearance.

Unique locking system



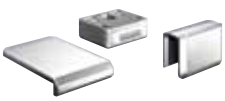
- Insert key to unlock, remove to lock.
- High security dimple key.



Locks

Item No.	
XL-GC01	
P.614	Swinging Double Door Lock
XL-GC02	
P.614	Swinging Door Lock
XL-GC03	
P.605, 606	Sliding Door Lock

Hinges and Accessories

Item No.	
XL-GC04	
P.272	Inset Pivot Hinges
XL-GC05	
P.272	Bracket for XL-GC04
XL-GC07	
P.272	Overlay Hinges
XL-GC09CR	
P.111	Magnetic Catch

Sliding Door Hardware

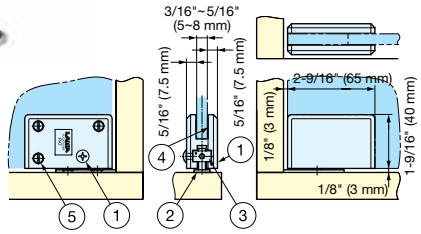
Item No.	
XL-GC06	
P.607	Upper Bracket
XL-GC08	
P.607	Lower Bracket

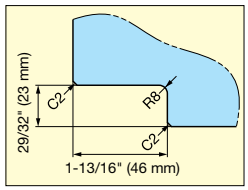
- Use with accessories. P.606

GLASS PIVOT HINGE (INSET) XL-GC04



- Inset-type hinge for glass cabinet.
- Sold as a pair (top/bottom).
- Compatible with glass door lock XL-GC02 and bracket XL-GC05 (both sold separately).
- Door Size: Max. W19-11/16" × H47-1/4" × t5/16" (W500 × H1200 × t8 mm)





Cut Out Dimension

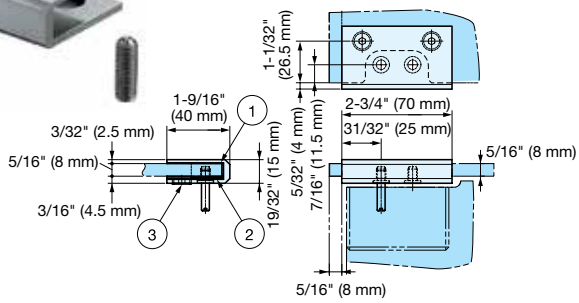
Item No.	Glass Thickness	Load Capacity (kg)	Weight (g)	Box (pairs)	Carton (pairs)
XL-GC04-C	3/16"~5/16" (5~8 mm)	26.5 lbs (12 kg)/Door	560	1	24

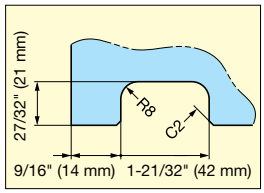
No.	Part Name	Material	Finish/Color
①	Body	Zinc Alloy	Chrome
②	Bottom Plate	Steel	Chrome
③	Plate	304 Stainless Steel	Plain
④	Spacer	PVC	Black
⑤	Screws	304 Stainless Steel	Plain

GLASS BRACKET XL-GC05

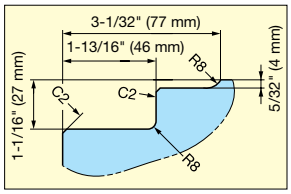


- Bracket for hinge XL-GC04 (sold separately).
- For use when top panel is glass.





Cut Out Dimension (Top Panel)



Cut Out Dimension (Glass Door)

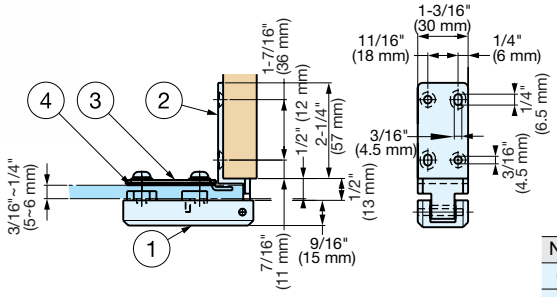
Item No.	Type	Glass Thickness	Weight (g)	Box (pcs)	Carton (pcs)
XL-GC05-R-C	Right	5/16" (8 mm)	174	1	24
XL-GC05-L-C	Left				

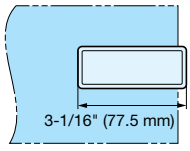
No.	Part Name	Material	Finish/Color
①	Bracket	Zinc Alloy	Chrome
②	Spacer	Synthetic Rubber	Clear
③	Screws	304 Stainless Steel	Plain

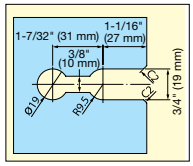
GLASS HINGE (OVERLAY, W/CATCH) XL-GC07



- 3/8" (10 mm) Overlay hinge with catch for glass cabinetry.
- Max. Door Size: W19-11/16" × H47-1/4" × t1/4" (W500 × H1200 × t6 mm)
- Not for use with lock XL-GC02.







Cut Out Dimension

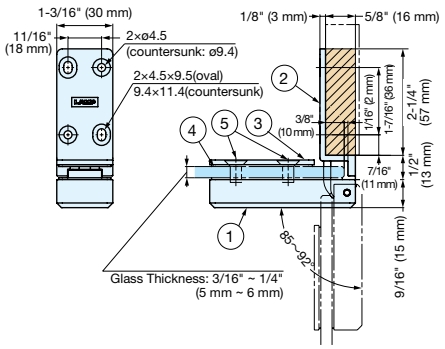
Item No.	Glass Thickness (mm)	Load Capacity	Weight (g)	Box (pcs)	Carton (pcs)
XL-GC07-C	3/16"~1/4" (5~6 mm)	26.5 lbs (12 kg)/Door	301	1	24

No.	Part Name	Material	Finish/Color
①	Body	Zinc Alloy	Chrome
②	Hinge Plate		
③	Backplate	Steel	Chrome
④	Spacer	Synthetic Rubber	Black

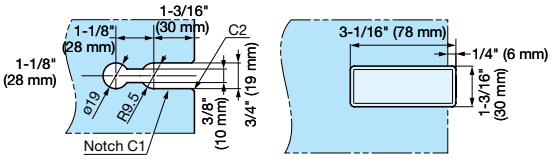
GLASS HINGE (OVERLAY/ SOFT-CATCH) XL-GC07D-CR



- For overlay glass doors. 3/8" (10 mm) Overlay.
- Softly catches doors and keeps them closed.
- Recommended for use with the lock XL-GC01 for total design coordination.



Cut Out Dimension (Glass Door)



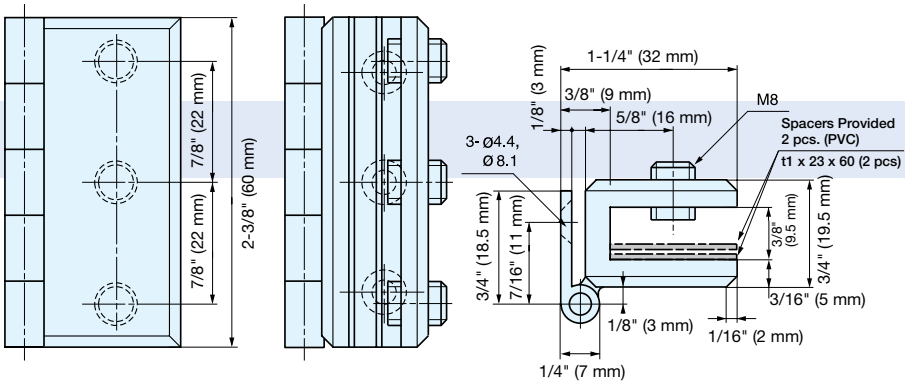
No.	Part Name	Material	Finish/Color
①	Body	Zinc Alloy	Chrome
②	Hinge Plate		
③	Backplate	Steel	Chrome
④	Spacer	Synthetic Rubber	Black
⑤	Glass Fixing Screw	Stainless Steel	Plain

Item No.	Glass Thickness	Load Capacity/ 2 pcs	Door Width	Door Height	Weight (g)	Box (pcs)
XL-GC07D-CR	3/16" ~ 1/4" (5 ~ 6 mm)	16.5 lbf (7.5 kgf)	Max. 19-11/16" (500 mm)	Max. 39-3/8" (1000 mm)	30	1

INSET GLASS DOOR HINGE (PRESSURE FIT) 3.5×20 STAINLESS XL-GH01-600



- Pre-drilling on glass/acrylic not required.
- Door thickness: 5/32", 3/16", 1/4", 5/16" (4, 5, 6, 8 mm)
- Max. Door size: W17-3/4" × H51-3/16" (W450 × H1300 mm)
- Max. Door Weight: 22 lbs/pair (11 kg/pair)
- Please use 2 spacers for 3/16" (4 mm) door thickness.



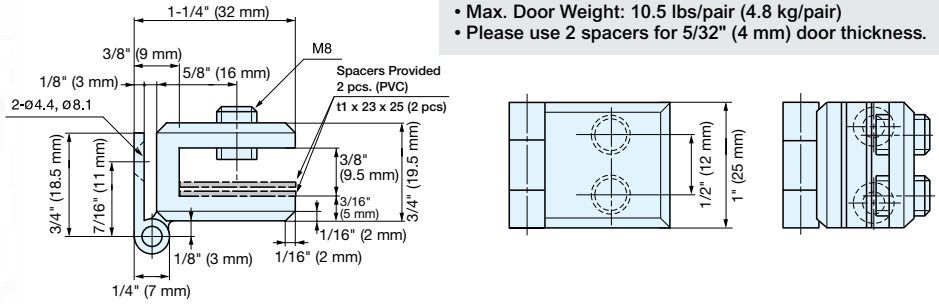
Item No.	Weight (g)	Box (pcs)	Carton (pcs)
XL-GH01-600	180	10	50

Material	Finish
Stainless Steel (SCS13)	Polished

INSET GLASS DOOR HINGE (PRESSURE FIT) 3.5×20 STAINLESS XL-GH01-250



- Pre-drilling on glass/acrylic not required.
- Door thickness: 5/32", 3/16", 1/4", 5/16" (4, 5, 6, 8 mm)
- Max. Door size: W15-3/4" × H23-5/8" (W400 × H600 mm)
- Max. Door Weight: 10.5 lbs/pair (4.8 kg/pair)
- Please use 2 spacers for 5/32" (4 mm) door thickness.



Item No.	Weight (g)	Box (pcs)	Carton (pcs)
XL-GH01-250	76	10	100

Material	Finish
Stainless Steel (SCS13)	Polished

INSET GLASS DOOR HINGE

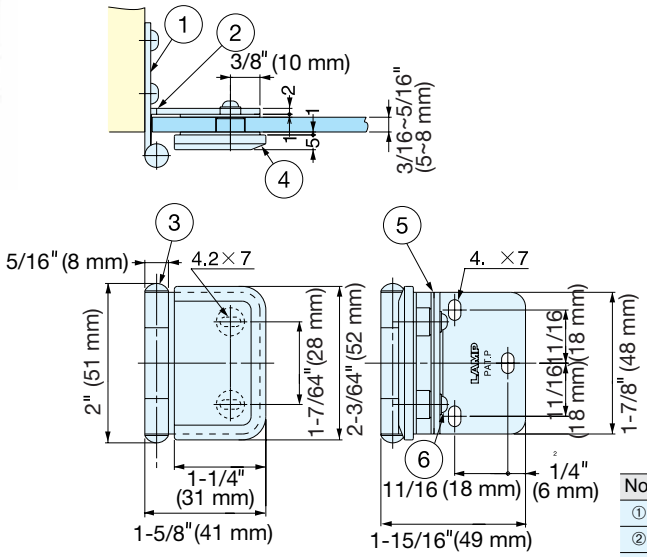
NO SCREW

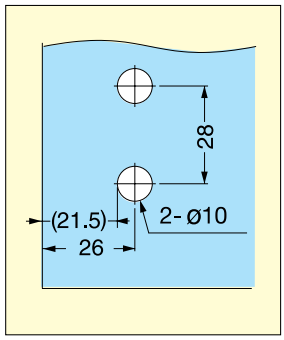
XL-GH03-48-0





- Medium size hinge for glass/acrylic doors.
- Door thickness: 3/16"~5/16" (5~8 mm)
- Max. Door size: W25-19/32" × H35-7/16" × t5/16" (W650 × H900 × t8 mm)
- Max. Door weight: 26.4 lbs/pair (12 kg/pair)





Cut Out Dimension

No.	Part Name	Material	Finish
①	Body	304 Stainless Steel	Mirror, Gold
②	Arm		
③	Hinge Pin		Plain, Gold
④	Plate	Zinc Alloy	Chrome, Gold
⑤	Pad	Polyethylene	Natural
⑥	Screw	304 Stainless Steel	-

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
XL-GH03-48-0CR	129	10	100
XL-GH03-48-0GC			

HALF OVERLAY GLASS DOOR HINGE

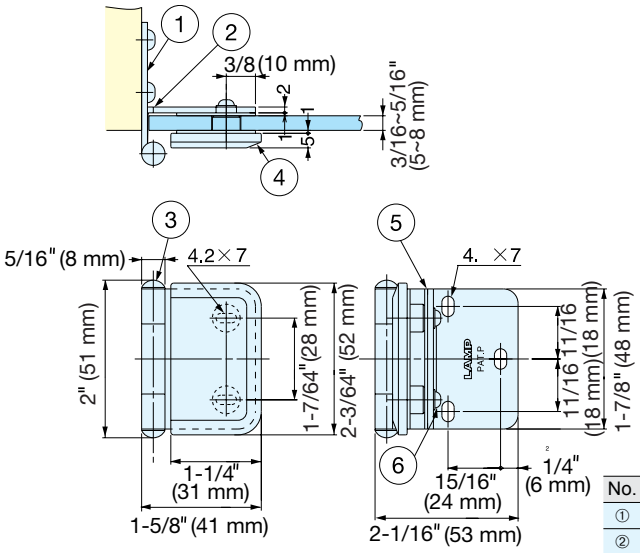
NO SCREW

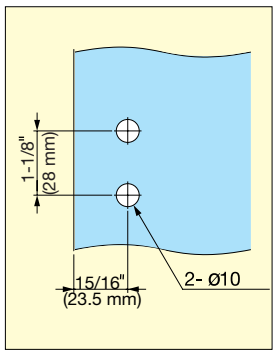
XL-GH03-48-8





- Half overlay 5/16" (8 mm) medium size hinge for glass/acrylic doors.
- Door thickness: 3/16"~5/16" (5~8 mm)
- Max. Door size: W25-19/32" × H35-7/16" × t5/16" (W650 × H900 × t8 mm)
- Max. Door weight: 26.4 lbs/pair (12 kg/pair)





Cut Out Dimension

No.	Part Name	Material	Finish
①	Body	304 Stainless Steel	Mirror, Gold
②	Arm		
③	Hinge Pin		Plain, Gold
④	Plate	Zinc Alloy	Chrome, Gold
⑤	Pad	Polyethylene	Natural
⑥	Screw	304 Stainless Steel	-

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
XL-GH03-48-8CR	129	10	100
XL-GH03-48-8GC			

INSET GLASS DOOR HINGE (W/CATCH)

NO SCREW

GH-450



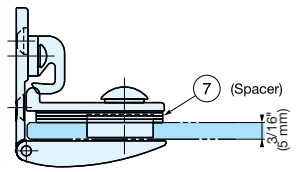
GH-450/SN
Satin Nickel



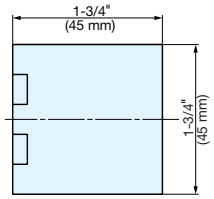
GH-450/CR
Chrome

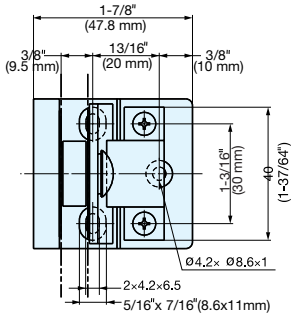


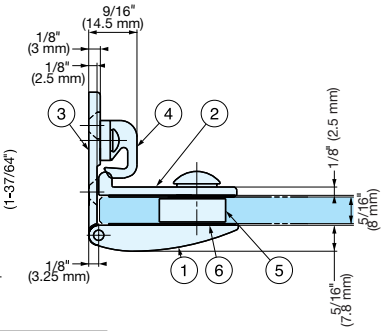
GH-450/GA
Gold

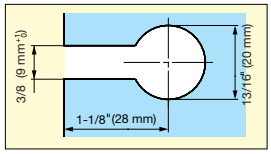


- Glass hinge with catch.
- For Inset use
- Suitable for showcases
- Mounting position adjustable:
  Vertically ± 1/32" (1 mm)
  Horizontally ± 1/16" (1.2 mm)
- Spacer included to accommodate different glass thickness.

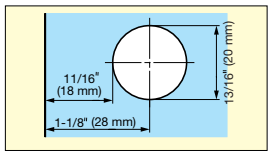








Cut Out Dimensions for 5/16" (8 mm) Glass



Cut Out Dimensions for 3/16", 1/4" (5,6 mm) Glass

Item No.	Applicable Door Thickness	Applicable Glass Door Size /Pair
GH-450/SN	3/16" ~ 5/16" (5~8 mm) 3/16" (5 mm): Use with 3 spacers 1/4" (6 mm): Use with 2 spacers 5/16" (8 mm): Spacer not required	W:23-5/8" (600 mm) H:47" (1200 mm) Maximum 33 lbs (15 kg)
GH-450/CR		
GH-450/GA		

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
GH-450/SN	212	10	40
GH-450/CR			
GH-450/GA			

No.	Part Name	Material	Finish		
			SN	CR	GA
①	Face Plate	Brass	Satin Nickel	Chrome	Gold
②	Fixing Plate				
③	Mounting Plate				
④	Catch	Polyamide	Black		
⑤	Glass Adjustment Block				
⑥	Pad	Rubber			
⑦	Spacer	Polypropylene			

GLASS DOOR HINGE (GLASS FRAME TYPE, W/O CATCH)

NO SCREW

GH-450G



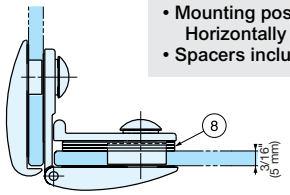
GH-450G/SN
Satin Nickel



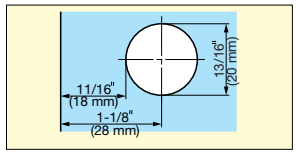
GH-450G/CR
Chrome



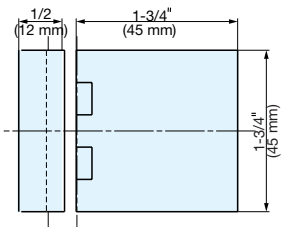
GH-450G/GA
Gold

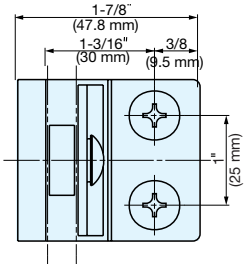


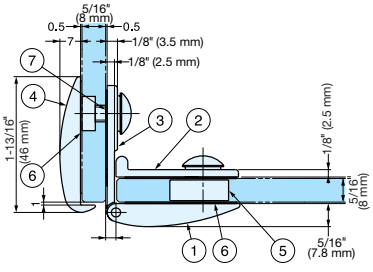
- For glass frame use.
- Suitable for showcases.
- Mounting position adjustable:
  Horizontally ± 1/16" (1.2 mm)
- Spacers included to accommodate different glass thickness.

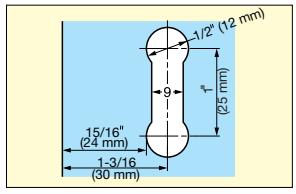


Cut Out Dimensions









Cut Out Dimension for Side Panel

Item No.	Applicable Door Thickness	Applicable Glass Door Size /Pair
GH-450G/SN	3/16" ~ 5/16" (5~8 mm) 3/16" (5 mm): Use with 3 spacers 1/4" (6 mm): Use with 2 spacers 5/16" (8 mm): Spacer not required	W:23-5/8" (600 mm) H:47" (1200 mm) Maximum 33 lbs (15 kg)
GH-450G/CR		
GH-450G/GA		

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
GH-450G/SN	320	10	40
GH-450G/CR			
GH-450G/GA			

No.	Part Name	Material	Finish		
			SN	CR	GA
①	Face Plate	Brass	Satin Nickel	Chrome	Gold
②	Fixing Plate				
③	Mounting Plate				
④	Side Plate				
⑤	Glass Adjustment Block	Polyamide	Black		
⑥	Pad A	Rubber			
⑦	Pad B				
⑧	Spacer	Polypropylene			

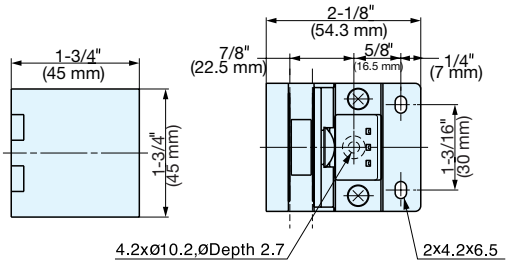
OVERLAY GLASS DOOR HINGE (W/ CATCH) GH-456C

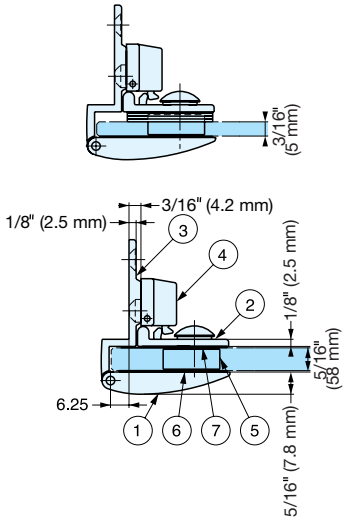
NO SCREW


GH-456C/SN
Satin Nickel

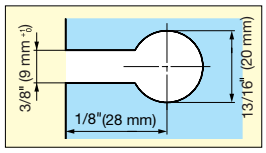

GH-456C/CR
Chrome


GH-456C/GA
Gold

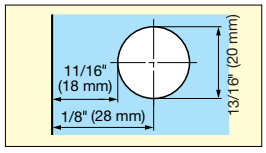




- Glass hinge with catch.
- For overlay use.
- Suitable for showcases
- Mounting position adjustable:
  Vertically ± 1/32" (1 mm)
  Horizontally ± 1/16" (1.2 mm)



Cut Out Dimensions for 5/16" (8 mm) Glass



Cut Out Dimensions for 3/16", 1/4" (5,6 mm) Glass

Item No.	Applicable Door Thickness	Applicable Glass Door Size /Pair
GH-456C/SN GH-456C/CR GH-456C/GA	3/16" ~ 5/16" (5~8 mm) 3/16" (5 mm): Use with 3 spacers 1/4" (6 mm): Use with 2 spacers 5/16" (8 mm): Spacer not required	W:23-5/8" (600 mm) H:47" (1200 mm) Maximum 33 lbs (15 kg)

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
GH-456C/SN GH-456C/CR GH-456C/GA	216	10	40

No.	Part Name	Material	Finish		
			SN	CR	GA
①	Face Plate	Brass	Satin Nickel	Chrome	Gold
②	Fixing Plate				
③	Mounting Plate				
④	Catch	PBT, POM	Black		
⑤	Glass Adjustment Block	Polyamide			
⑥	Pad A	PVC			
⑦	Pad B				
⑧	Spacer	Polypropylene			

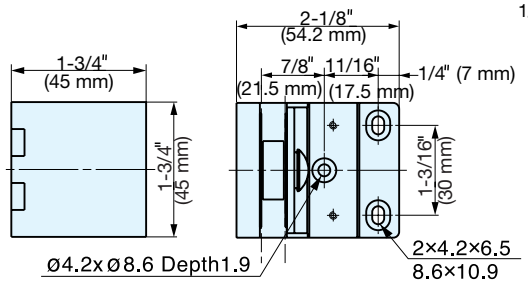
OVERLAY GLASS DOOR HINGE (W/O CATCH) GH-456N

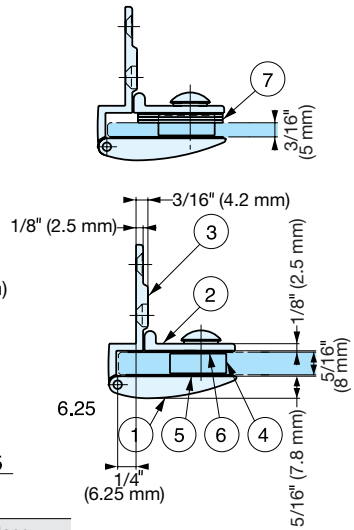
NO SCREW


GH-456N/SN
Satin Nickel

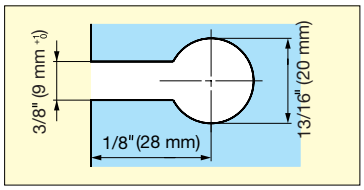

GH-456N/CR
Chrome


GH-456N/GA
Gold

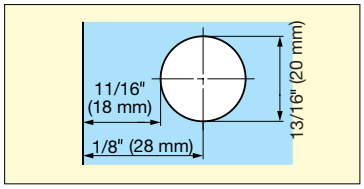




- For overlay use.
- Suitable for showcases
- Mounting position adjustable:
  Vertically ± 1/32" (1 mm)
  Horizontally ± 1/16" (1.2 mm)



Cut Out Dimensions for 5/16" (8 mm) Glass



Cut Out Dimensions for 3/16", 1/4" (5,6 mm) Glass

Item No.	Applicable Door Thickness	Applicable Glass Door Size /Pair
GH-456N/SN GH-456N/CR GH-456N/GA	3/16" ~ 5/16" (5~8 mm) 3/16" (5 mm): Use with 3 spacers 1/4" (6 mm): Use with 2 spacers 5/16" (8 mm): Spacer not required	W:23-5/8" (600 mm) H:47" (1200 mm) Maximum 33 lbs (15 kg)

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
GH-456N/SN GH-456N/CR GH-456N/GA	210	10	40

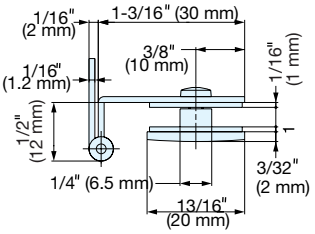
No.	Part Name	Material	Finish		
			SN	CR	GA
①	Face Plate	Brass	Satin Nickel	Chrome	Gold
②	Fixing Plate				
③	Mounting Plate				
④	Glass Adjustment Block	Polyamide	Black		
⑤	Pad	Rubber			
⑥	Spacer	Polypropylene			

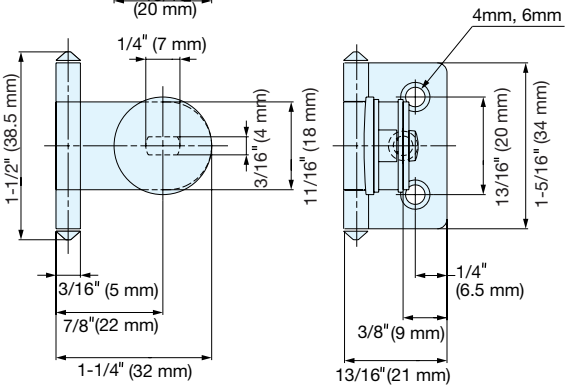
INSET GLASS DOOR HINGE

NSF COMPONENT · RoHS compliant · STAINLESS 304 STEEL · ALUMINUM · NO SCREW

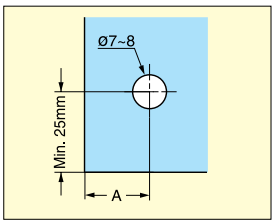
GH-34/0/S



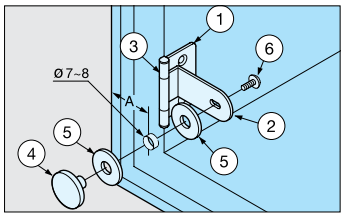




- Hinge for glass/acrylic doors.
- Door thickness: 3/16"~1/4" (4~6 mm)
- Max. Door size: W17-3/4" × H27-9/16" (W450 × H700)
- Max. Door weight: 8.8 lbs/pair (4 kg/pair)



Cut Out Dimension



Installation



Glass Thickness	A
3/16" (4 mm)	3/4" (19 mm)
3/16" (5 mm)	11/16" (18 mm)
1/4" (6 mm)	11/16" (17 mm)

No.	Part Name	Material	Finish
①	Body	304 Stainless Steel	Plain
②	Arm		
③	Hinge Pin		
④	Plate	Aluminum	Anodized
⑤	Washer	PVC	Clear
⑥	Screw	304 Stainless Steel	Plain

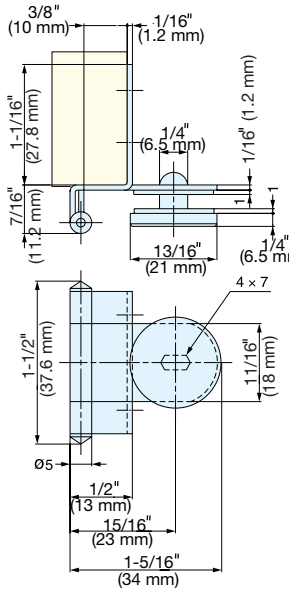
Item No.	Weight (g)	Box (pcs)	Carton (pcs)
GH-34/0/S-P	15	150	900

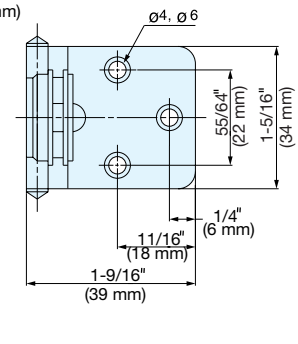
HALF OVERLAY GLASS DOOR HINGE

NSF COMPONENT · RoHS compliant · STAINLESS 304 STEEL · ALUMINUM · NO SCREW

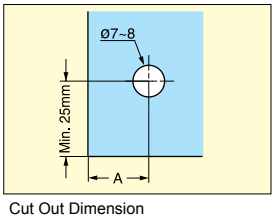
GH-34/8/S



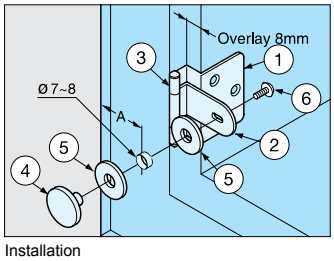




- Half overlay.
- Hinge for glass/acrylic doors.
- Door thickness: 3/16"~1/4" (4~6 mm)
- Max. Door size: W17-3/4" × H27-9/16" (W450 × H700)
- Max. Door weight: 8.8 lbs/pair (4 kg/pair)



Cut Out Dimension



Installation

Glass Thickness	A	Overlay (mm)
3/16" (4 mm)	3/4" (19 mm)	5/16" (8 mm)
3/16" (5 mm)	11/16" (18 mm)	1/4" (7 mm)
1/4" (6 mm)	11/16" (17 mm)	1/4" (6 mm)

No.	Part Name	Material	Finish
①	Body	304 Stainless Steel	Plain
②	Arm		
③	Hinge Pin		
④	Plate	Aluminum	Anodized
⑤	Washer	PVC	Clear
⑥	Screw	304 Stainless Steel	Plain

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
GH-34/8/S-P	21	100	600

INSET GLASS DOOR HINGE

NO SCREW

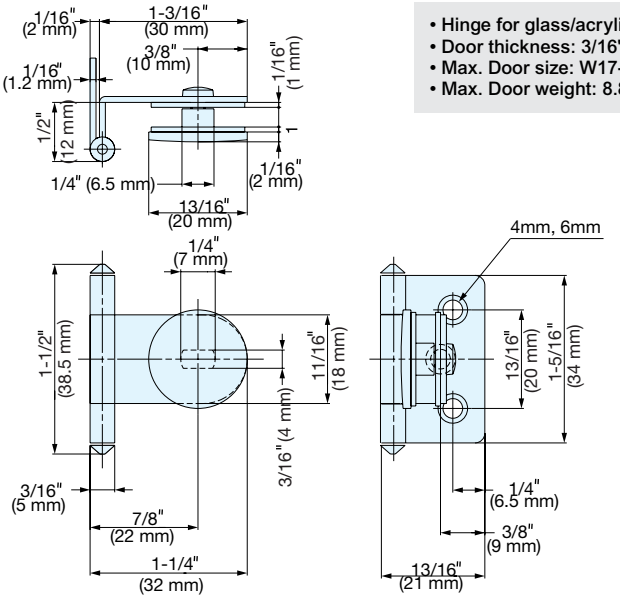
GH-34/0



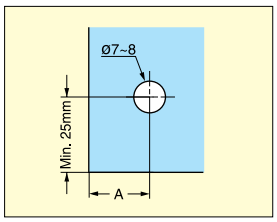
GH-34/0/CR



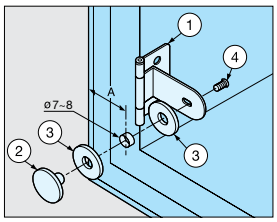
GH-34/0/BL



- Hinge for glass/acrylic doors.
- Door thickness: 3/16"~1/4" (4~6 mm)
- Max. Door size: W17-3/4" × H27-9/16" (W450 × H700)
- Max. Door weight: 8.8 lbs/pair (4 kg/pair)



Cut Out Dimension



Installation

Glass Thickness	A
3/16" (4 mm)	3/4" (19 mm)
3/16" (5 mm)	11/16" (18 mm)
1/4" (6 mm)	11/16" (17 mm)

No.	Part Name	Material	Finish
①	Body	Steel	Chrome/ Black
②	Plate	Zinc Alloy	
③	Washer	PVC	Clear
④	Screw	Steel	Nickel/ Black

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
GH-34/0/CR-P	23.5	100	600
GH-34/0/BL-P		150	900

HALF OVERLAY GLASS DOOR HINGE

NO SCREW

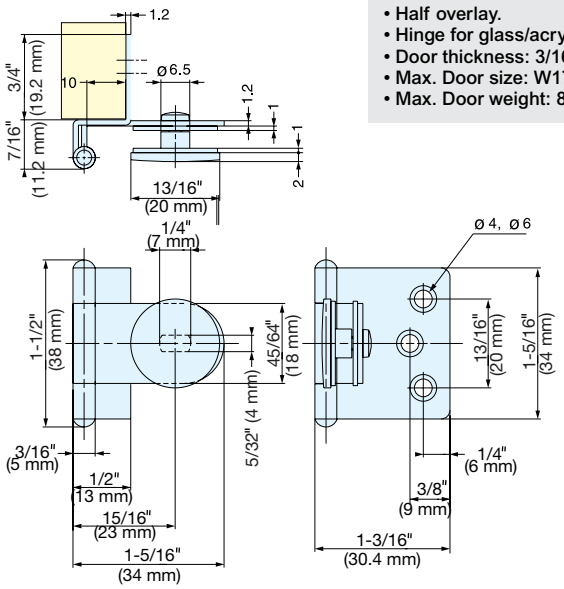
GH-34/8



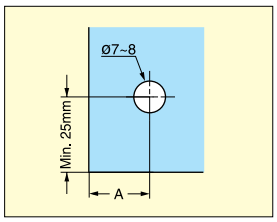
GH-34/8/CR



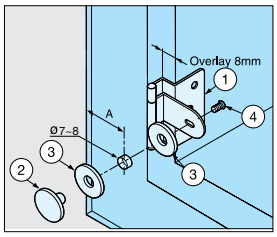
GH-34/8/BL



- Half overlay.
- Hinge for glass/acrylic doors.
- Door thickness: 3/16"~1/4" (4~6 mm)
- Max. Door size: W17-3/4" × H27-9/16" (W450 × H700)
- Max. Door weight: 8.8 lbs/pair (4 kg/pair)



Cut Out Dimension



Installation

Glass Thickness	A	Overlay (mm)
3/16" (4 mm)	3/4" (19 mm)	5/16" (8 mm)
3/16" (5 mm)	11/16" (18 mm)	1/4" (7 mm)
1/4" (6 mm)	11/16" (17 mm)	1/4" (6 mm)

No.	Part Name	Material	Finish
①	Body	Steel	Chrome/ Black
②	Plate	Zinc Alloy	
③	Washer	PVC	Clear
④	Screw	Steel	Nickel/ Black

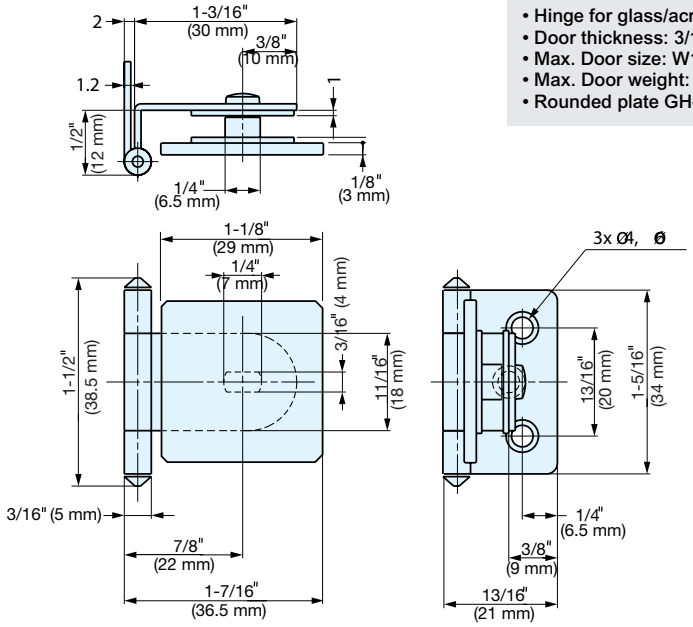
Item No.	Weight (g)	Box (pcs)	Carton (pcs)
GH-34/8/CR	25	50	500
GH-34/8/BL			

INSET GLASS DOOR HINGE

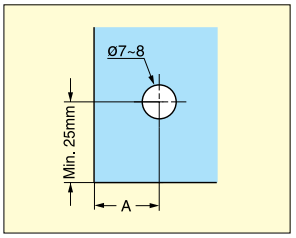
NO SCREW

GH-34-0CR-K

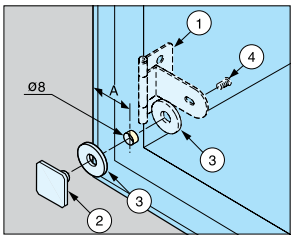




- Hinge for glass/acrylic doors.
- Door thickness: 3/16"~1/4" (4~6 mm)
- Max. Door size: W17-3/4" × H27-9/16" (W450 × H700)
- Max. Door weight: 8.8 lbs/pair (4 kg/pair)
- Rounded plate GH-34/0/CR is available.



Cut Out Dimension



Installation

Glass Thickness	A
3/16" (4 mm)	3/4" (19 mm)
3/16" (5 mm)	11/16" (18 mm)
1/4" (6 mm)	11/16" (17 mm)

No.	Part Name	Material	Finish/Color
①	Body	Steel	Chrome
②	Plate	Zinc Alloy	
③	Washer	PVC	Clear
④	Screw	Steel	Nickel

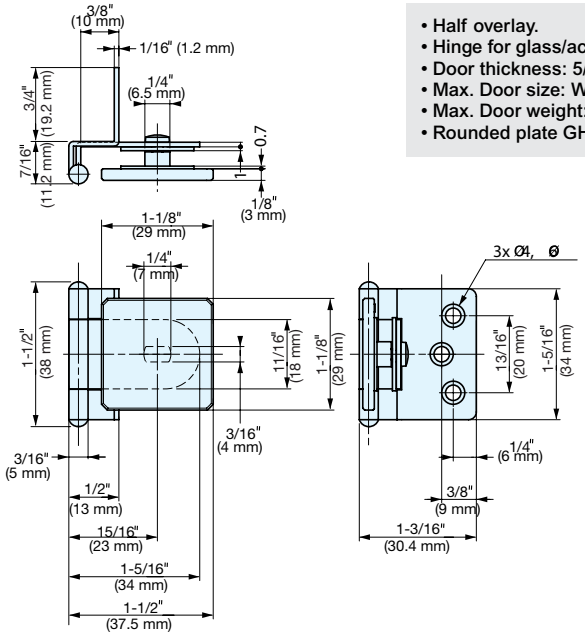
Item No.	Weight (g)	Box (pcs)	Carton (pcs)
GH-34-0CR-K	34	150	900

HALF OVERLAY GLASS DOOR HINGE

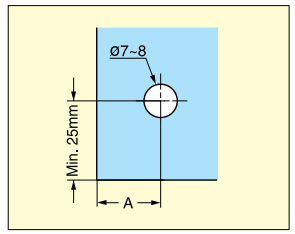
NO SCREW

GH-34-8CR-K

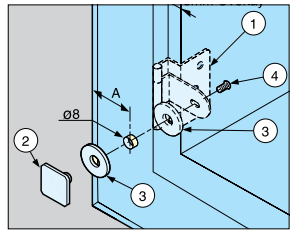




- Half overlay.
- Hinge for glass/acrylic doors.
- Door thickness: 5/32"~1/4" (4~6 mm)
- Max. Door size: W17-3/4" × H27-9/16" (W450 × H700)
- Max. Door weight: 8.8 lbs/pair (4 kg/pair)
- Rounded plate GH-34/8/CR is available.



Cut Out Dimension



Installation

Glass Thickness	A	Overlay (mm)
3/16" (4 mm)	3/4" (19 mm)	5/16" (8 mm)
3/16" (5 mm)	11/16" (18 mm)	1/4" (7 mm)
1/4" (6 mm)	11/16" (17 mm)	1/4" (6 mm)

No.	Part Name	Material	Finish/Color
①	Body	Steel	Chrome
②	Plate	Zinc Alloy	
③	Washer	PVC	Clear
④	Screw	Steel	Nickel

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
GH-34-8CR-K	37	50	500

HALF OVERLAY GLASS DOOR HINGE (W/CATCH) NO SCREW GHC-34/8



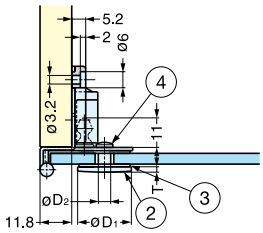
GHC-34/8/CR

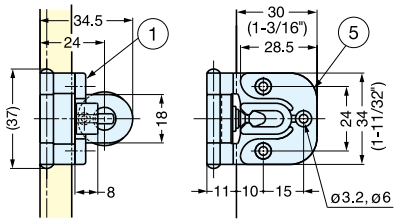


GHC-34/8/BLK

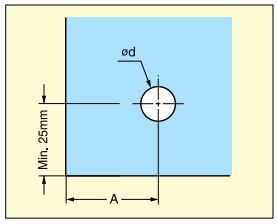


GHC-34/8/PB





- Half overlay.
- Hinge will hold door in closed position without secondary support.
- Door thickness: 3/16"~1/4" (4~6 mm)
- Max. Door size: W17-3/4" × H27-9/16" (W450 × H700)
- Max. Door weight: 8.8 lbs/pair (4 kg/pair)



Cut Out Dimension

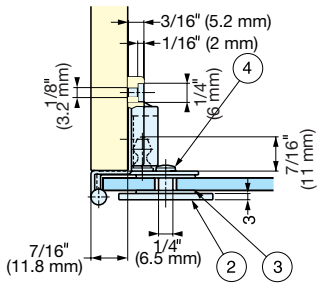
No.	Part Name	Material		Finish
①	Body	GHC-34/8/BLK	304 Stainless Steel	Black
		GHC-34/8/CR	Steel	Chrome
		GHC-34/8/PB		Polished Brass
②	Plate	GHC-34/8/BLK	Aluminum	Black
		GHC-34/8/CR	Brass	Chrome
		GHC-34/8/PB		Polished Brass
③	Washer	PVC		Clear
④	Screw	Steel		Nickel
⑤	Catch	Polyacetal		Black

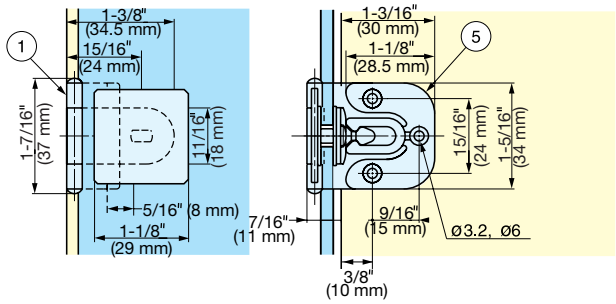
Glass Thickness	A	Overlay (mm)
3/16" (4 mm)	3/4" (19 mm)	1/4" (7 mm)
3/16" (5 mm)	11/16" (18 mm)	1/4" (6 mm)
1/4" (6 mm)	11/16" (17 mm)	3/16" (5 mm)

Item No.	D_1	D_2	d	T	Weight (g)	Box (pcs)	Carton (pcs)
GHC-34/8/CR	13/16" (20 mm)	1/4" (6.5 mm)	5/16" (8 mm)	1/16" (2 mm)	36	40	600
GHC-34/8/PB	13/16" (20 mm)	1/4" (6.5 mm)	5/16" (8 mm)	1/16" (2 mm)	36		
GHC-34/8/BLK	13/16" (21 mm)	5/16" (8 mm)	3/8" (10 mm)	1/8" (3 mm)	32		

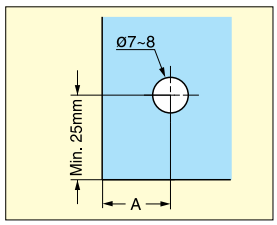
HALF OVERLAY GLASS DOOR HINGE (W/CATCH) NO SCREW GHC-34-8CR-K







- Half overlay.
- Hinge for glass/acrylic doors.
- Door thickness: 3/16"~1/4" (4~6 mm)
- Max. Door size: W17-3/4" × H27-9/16" (W450 × H700)
- Max. Door weight: 8.8 lbs/pair (4 kg/pair)
- Rounded plate GHC-34/8/CR is available.



Cut Out Dimension

Glass Thickness	A	Overlay (mm)
3/16" (4 mm)	3/4" (19 mm)	1/4" (7 mm)
3/16" (5 mm)	11/16" (18 mm)	1/4" (6 mm)
1/4" (6 mm)	11/16" (17 mm)	3/16" (5 mm)

No.	Part Name	Material	Finish/Color
①	Body	Steel	Chrome
②	Plate	Zinc Alloy	Chrome
③	Washer	PVC	Clear
④	Screw	Steel	Nickel
⑤	Stopper	Polyacetal (POM)	Black

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
GHC-34-8CR-K	43	40	600

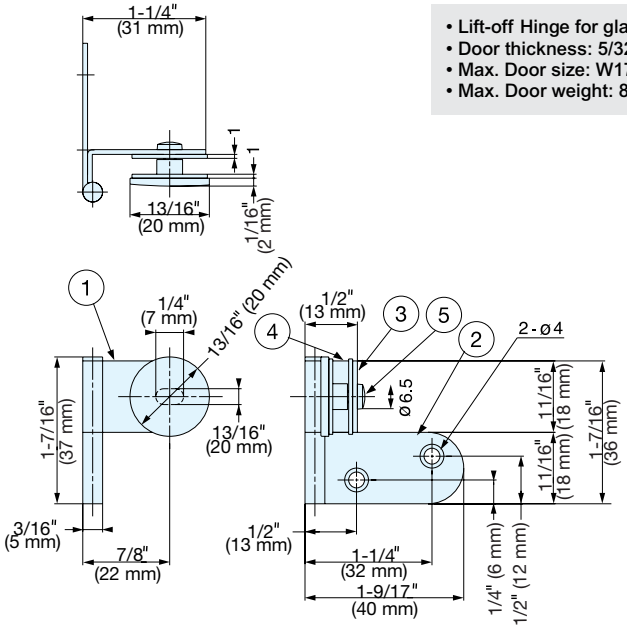
INSET GLASS DOOR LIFT-OFF HINGE

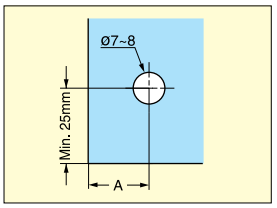
NO SCREW

GH-36/NCR

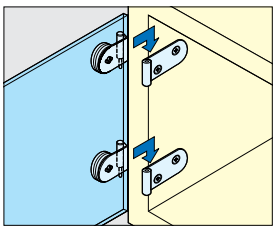
- Lift-off Hinge for glass/acrylic doors.
- Door thickness: 5/32"~1/4" (4~6 mm)
- Max. Door size: W17-3/4" × H27-9/16" (W450 × H700)
- Max. Door weight: 8.8 lbs/pair (4 kg/pair)







Cut Out Dimension



Installation

Glass Thickness	A
3/16" (4 mm)	3/4" (19 mm)
3/16" (5 mm)	23/32" (18 mm)
1/4" (6 mm)	21/32" (17 mm)

No.	Part Name	Material	Finish
①	Body	Steel	Chrome
②			
③	Plate	Brass	
④	Washer	PVC	Clear
⑤	Screw	Steel	Nickel

Item No.		Weight (g)	Box (pcs)	Carton (pcs)
GH-36/NCRL	GH-36/NCRR	24.5	100	400

CONCEALED HINGE

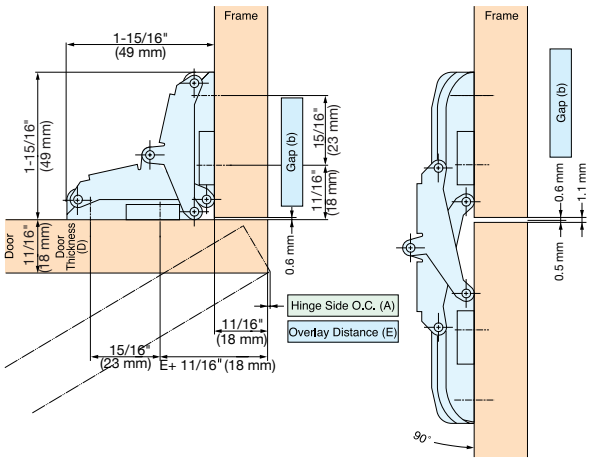
RoHS compliant

NO SCREW

T-90-200

- Concealed hinge for either inset or overlay installation.





■ Door Thickness (D) and Gap (b) Table 1.

Door thickness (D)	9/16" (15)	5/8" (16)	11/16" (17)	11/16" (18)
Gap (b)	0.2 mm	0.3 mm	0.5 mm	0.6 mm

■ Hinge side opening clearance chart Table 2.

Door thickness (D)	Overlay distance (E)			
	9/16" (15)	5/8" (16)	11/16" (17)	11/16" (18)
9/16" (15)	1.1 mm	0.5 mm	-	-
5/8" (16)	2.0 mm	1.4 mm	0.8 mm	0.2 mm
11/16" (17)	2.9 mm	2.3 mm	1.7 mm	1.1 mm
11/16" (18)	3.8 mm	3.2 mm	2.6 mm	2.0 mm
	Hinge side O.C. (A)			

Item No.	Weight (g)	Box (pcs)
T-90-200	45	200

Part Name	Material	Finish
Arm	Polyamide	Ivory
Body	Steel	Chrome





When details matter!



Catches and Latches, pages: 143 ~ 223

HEAVY DUTY CONCEALED HINGE (25mm OVERLAY)

RoHS compliant STEEL

J95-24/25T,J95-C24/25T



Nickel (NI)



Black Nickel (BN)

- Load capacity: 55 lbs (25 kg)/2 pcs, 88 lbs (40 kg)/3 pcs.
- Maximum door width:
  31-1/2" (800 mm)/2 pcs, 35-7/16" (900 mm)/3 pcs.
- Maximum door width:
  94-1/2" (2400 mm)
- Clip on type for easy installation.
- 3-way adjustment with door installed.
- Adjustments are performed with J95-P6T mounting plate:
  Vertical adjustment ±1/8" (±3 mm)
  Overlay adjustment ±0/-3/16" (±0/-4 mm)
  Depth adjustment ±1/16"~1/8" (+1.5/ -2.5 mm)
- Requires 6 M5 or equivalent (US#10) screws:
  2 pcs for each hinge, and 4 pcs for each mounting plate.
- Optional hinge cover (J95SC-25) and mounting plate cover (J95ZC) available (sold separately p.288).
- For glass door applications, see page 283.

Mounting Plate Covers - J95ZC (Sold Separately)



Grey (GR)



Nickel (NI)

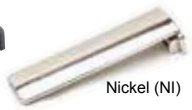


Black Chrome (BC)

Safety Covers - J95SC (Sold Separately)



Grey (GR)

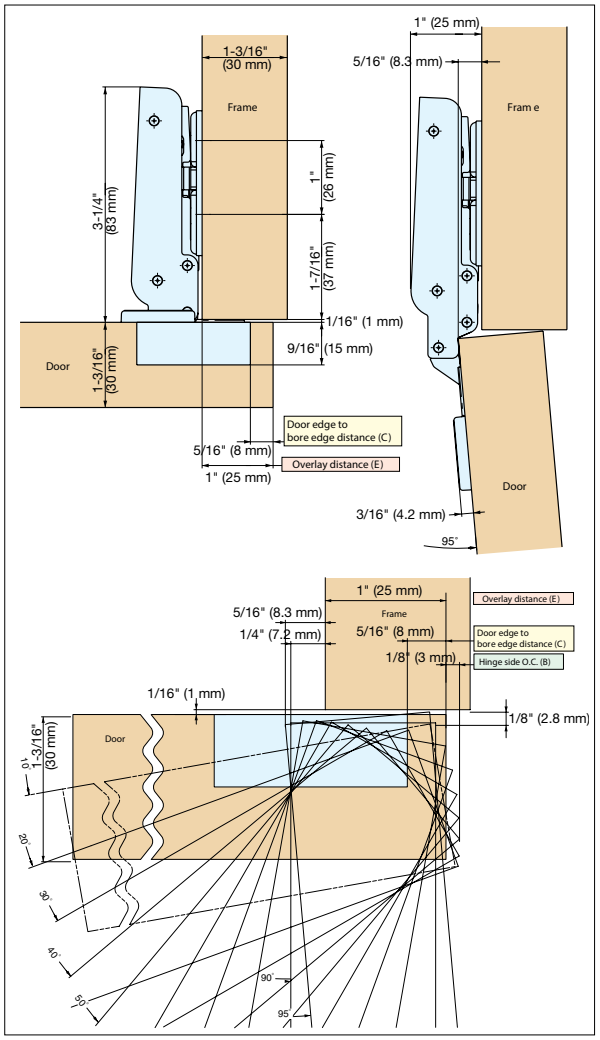


Nickel (NI)



Black Chrome (BC)

Wood Door Application



■ Door edge to bore edge distance (C) and Overlay distance (E) Table 1.

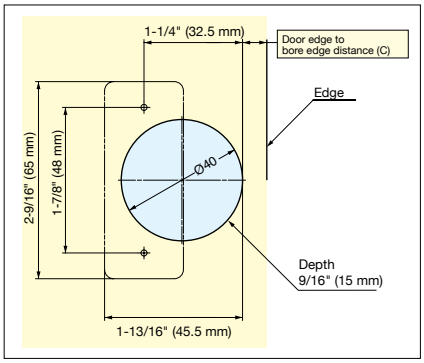
Door edge to bore edge distance (C) in mm	3	4	5	6	7	8
Overlay distance (E) in mm	20	21	22	23	24	25

■ Hinge side opening clearance chart Table 2.

Door Thickness (D)*	Door edge to bore edge distance (C) in mm					
	3	4	5	6	7	8
11/16" (18)	0.3	0.3	0.3	0.3	0.3	0.3
13/16" (20)	0.5	0.5	0.5	0.5	0.5	0.5
7/8" (22)	0.8	0.8	0.8	0.7	0.7	0.7
15/16" (24)	1.1	1.1	1.1	1.1	1.1	1.1
1" (26)	1.7	1.6	1.6	1.5	1.5	1.5
1-1/8" (28)	3.2	2.8	2.5	2.2	2.1	2.0
1-3/16" (30)	5.0	4.5	4.0	3.6	3.3	3.0
1-1/4" (32)	6.8	6.2	5.7	5.2	4.8	4.4
1-5/16" (34)	8.6	8.0	7.5	6.9	6.5	6.0
	Hinge side O.C. (B)					

*If the door thickness is over 1-3/16" (30 mm) the door will need to be chamfered.

Bore Dimension



Item No.	Type	Weight (g)	Box (pcs)	Carton (pcs)	Finish
J95-24/25T-NI	Free Swing	131	10	100	Nickel (NI)
J95-C24/25T-NI	Self-Closing	143			
J95-24/25T-BN	Free Swing	131			Black Nickel (BN)
J95-C24/25T-BN	Self-Closing	143			

Part Name	Material
Cup	Zinc Alloy
Body	Steel

*Requires J95-P6T Mounting Plate (sold separately p.288).

HEAVY DUTY CONCEALED HINGE (25mm OVERLAY)

RoHS COMPLIANT STEEL

J95-24/25T,J95-C24/25T



Nickel (NI)



Black Nickel (BN)

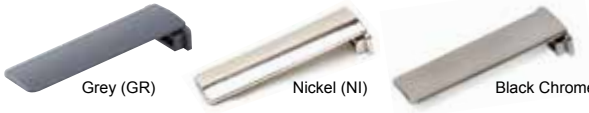
- Load capacity: 55 lbs (25 kg)/2 pcs, 88 lbs (40 kg)/3 pcs.
- Maximum door width: 31-1/2" (800 mm)/2 pcs
- Recommended door thickness:
  5/16"~3/8" (8~10mm) for tempered glass only.
- Clip on type for easy installation.
- 3-way adjustment with door installed.
- Adjustments are performed with J95-P6T mounting plate:
  Vertical adjustment ±1/8" (±3 mm)
  Overlay adjustment ±0/-3/16" (±0/-4 mm)
  Depth adjustment ±1/16"~1/8" (+1.5/ -2.5 mm)
- Requires 6 M5 or equivalent (US#10) screws:
  2 pcs for each hinge, and 4 pcs for each mounting plate.
- Optional hinge cover (J95SC-25) and mounting plate cover (J95ZC) available (sold separately p.288).
- Glass face plate (GH-J95FP) also available (sold separately p.289).
- For wood door applications, see page 282.

Mounting Plate Covers - J95ZC (Sold Separately)



Grey (GR) Nickel (NI) Black Chrome (BC)

Safety Covers - J95SC (Sold Separately)



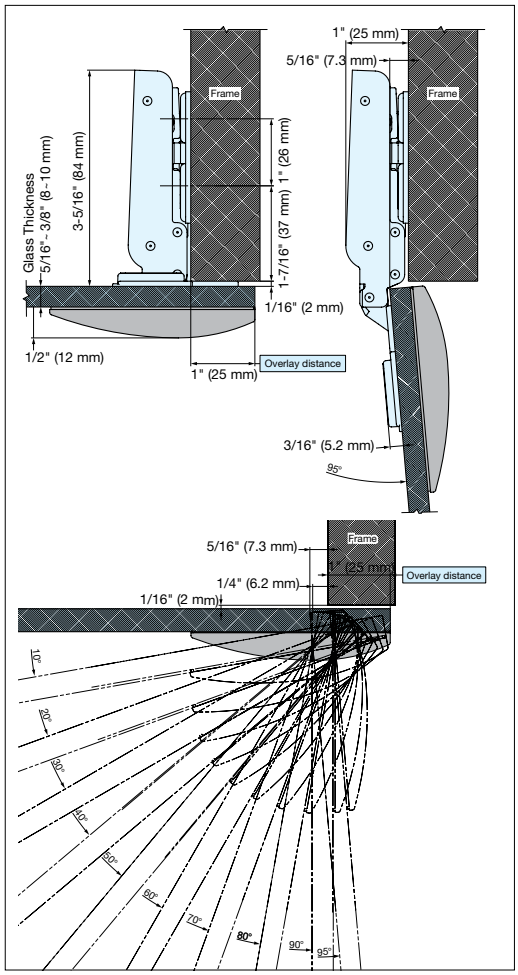
Grey (GR) Nickel (NI) Black Chrome (BC)

Glass Face Plate - GH-J95FP (Sold Separately)

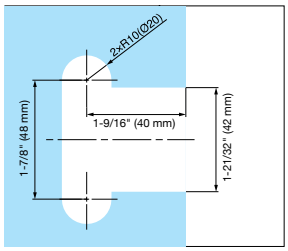


Chrome (CR) Satin Nickel (SN) Black (Bl)

Glass Door Application



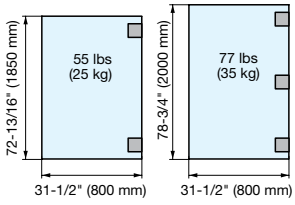




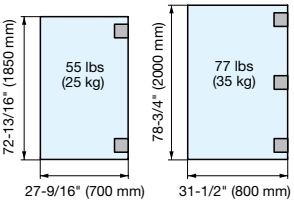
■ Hinge side opening clearance chart

Glass Thickness (D)	Hinge side O.C.
5/16" (8 mm)	0
11/32" (9 mm)	0
3/8" (10 mm)	0

■ Glass Thickness 5/16" (8 mm)



■ Glass Thickness 3/8" (10 mm)



Item No.	Type	Weight (g)	Box (pcs)	Carton (pcs)	Finish
J95-24/25T-NI	Free Swing	131	10	100	Nickel (NI)
J95-C24/25T-NI	Self-Closing	143			
J95-24/25T-BN	Free Swing	131			Black Nickel (BN)
J95-C24/25T-BN	Self-Closing	143			

Part Name	Material
Cup	Zinc Alloy
Body	Steel

*Requires J95-P6T Mounting Plate (sold separately p.288).

HEAVY DUTY CONCEALED HINGE (16mm OVERLAY)

RoHS compliant STEEL

J95-24/16T,J95-C24/16T



Nickel (NI)



Black Nickel (BN)

- Load capacity: 55 lbs (25 kg)/2 pcs, 88 lbs (40 kg)/3 pcs.
- Maximum door width: 31-1/2" (800 mm)/2 pcs, 35-7/16" (900 mm)/3 pcs.
- Maximum door width: 94-1/2" (2400 mm)
- Clip on type for easy installation.
- 3-way adjustment with door installed.
- Adjustments are performed with J95-P6T mounting plate: Vertical adjustment ±1/8" (±3 mm) Overlay adjustment ±0/-3/16" (±0/-4 mm) Depth adjustment ±1/16"~1/8" (+1.5/ -2.5 mm)
- Requires 6 M5 or equivalent (US#10) screws: 2 pcs for each hinge, and 4 pcs for each mounting plate.
- Optional hinge cover (J95SC-16) and mounting plate cover (J95ZC) available (sold separately p.288).
- For glass door applications, see page 285.

Mounting Plate Covers - J95ZC (Sold Separately)



Grey (GR)



Nickel (NI)



Black Chrome (BC)

Safety Covers - J95SC-16 (Sold Separately)



Grey (GR)

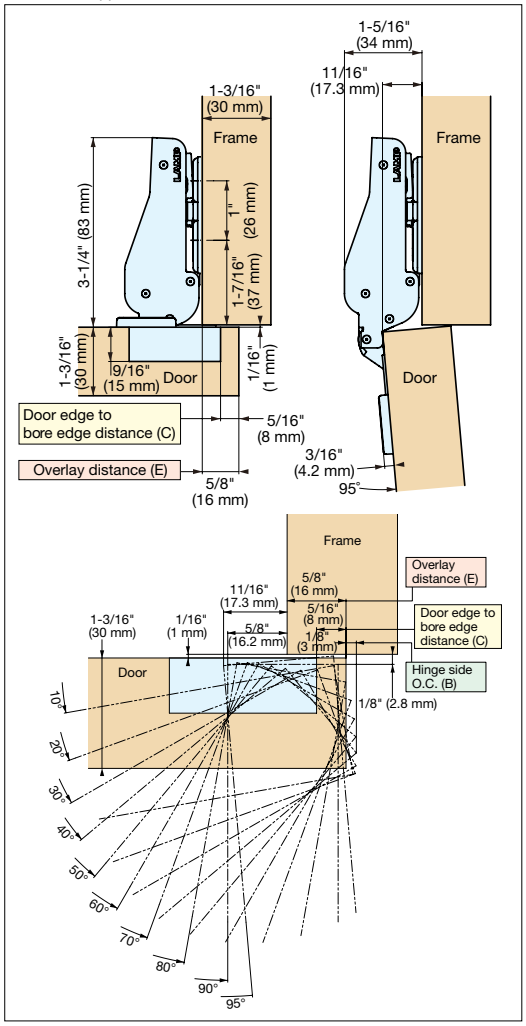


Nickel (NI)



Black Chrome (BC)

Wood Door Application



■ Door edge to bore edge distance (C) and Overlay distance (E) Table 1.

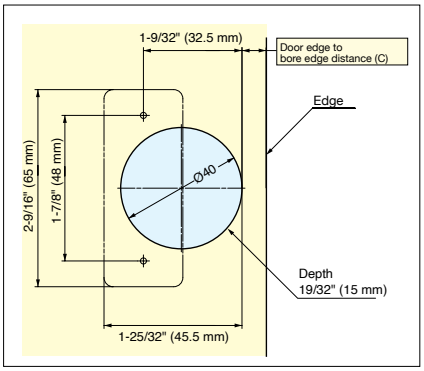
Door edge to bore edge distance (C) in mm	3	4	5	6	7	8
Overlay distance (E) in mm	11	12	13	14	15	16

■ Hinge side opening clearance chart Table 2.

Door Thickness (D)*	Door edge to bore edge distance (C) in mm					
	3	4	5	6	7	8
11/16" (18)	0.3	0.3	0.3	0.3	0.3	0.3
13/16" (20)	0.5	0.5	0.5	0.5	0.5	0.5
7/8" (22)	0.8	0.8	0.8	0.7	0.7	0.7
15/16" (24)	1.1	1.1	1.1	1.1	1.1	1.1
1" (26)	1.7	1.6	1.6	1.5	1.5	1.5
1-1/8" (28)	3.2	2.8	2.5	2.2	2.1	2.0
1-3/16" (30)	5.0	4.5	4.0	3.6	3.3	3.0
1-1/4" (32)	6.8	6.2	5.7	5.2	4.8	4.4
1-5/16" (34)	8.6	8.0	7.5	6.9	6.5	6.0
	Hinge side O.C. (B)					

*If the door thickness is over 1-3/16" (30 mm) the door will need to be chamfered.

Bore Dimension



Item No.	Type	Weight (g)	Box (pcs)	Carton (pcs)	Finish
J95-24/16T-NI	Free Swing	131	10	50	Nickel (NI)
J95-C24/16T-NI	Self-Closing	143			
J95-24/16T-BN	Free Swing	131			Black Nickel (BN)
J95-C24/16T-BN	Self-Closing	143			

Part Name	Material
Cup	Zinc Alloy
Body	Steel

*Requires J95-P6T Mounting Plate (sold separately p.288).

HEAVY DUTY CONCEALED HINGE (16mm OVERLAY)

RoHS COMPLIANT STEEL

J95-24/16T,J95-C24/16T



Nickel (NI)



Black Nickel (BN)

- Load capacity: 25 kg (55 lbs)/2 pcs, 35 kg (77 lbs)/3 pcs.
- Maximum door width: 31-1/2" (800 mm)/2 pcs
- Recommended door thickness: 5/16"~3/8" (8~10mm) for tempered glass only.
- Clip on type for easy installation.
- 3-way adjustment with door installed.
- Adjustments are performed with J95-P6T mounting plate:
  Vertical adjustment ±1/8" (±3 mm)
  Overlay adjustment ±0/-3/16" (±0/-4 mm)
  Depth adjustment ±1/16"~1/8" (+1.5/ -2.5 mm)
- Requires 6 M5 or equivalent (US#10) screws: 2 pcs for each hinge, and 4 pcs for each mounting plate.
- Optional hinge cover (J95SC-16) and mounting plate cover (J95ZC) available (sold separately p.288).
- Glass face plate (GH-J95FP) also available (sold separately p.289).
- For wood door applications, see page 284.

Mounting Plate Covers - J95ZC (Sold Separately)



Grey (GR) Nickel (NI) Black Chrome (BC)

Safety Covers - J95SC-16 (Sold Separately)



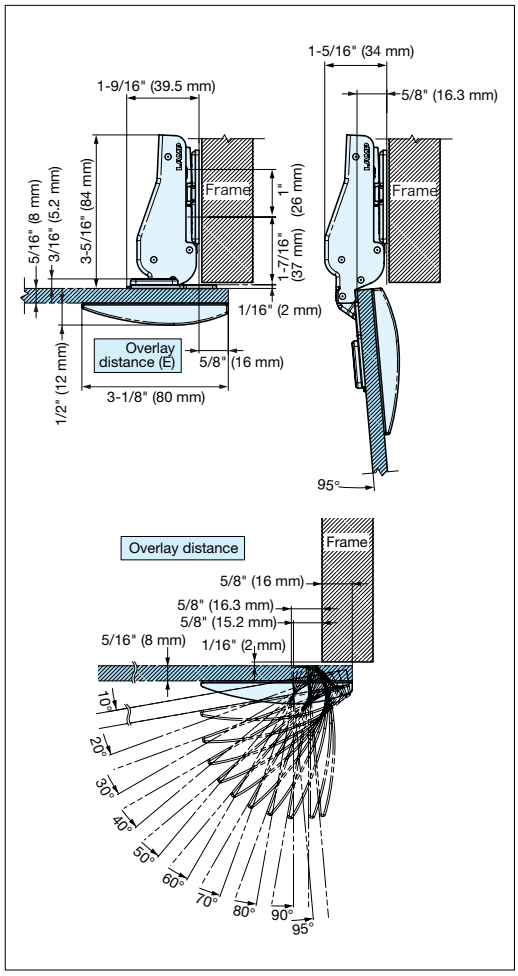
Grey (GR) Nickel (NI) Black Chrome (BC)

Glass Face Plate - GH-J95FP (Sold Separately)

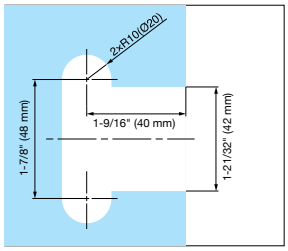


Chrome (CR) Satin Nickel (SN) Black (Bl)

Glass Door Application



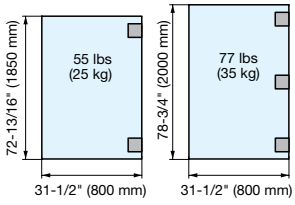




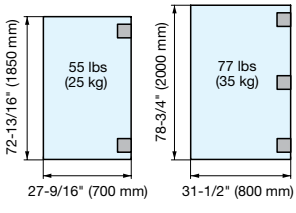
■ Hinge side opening clearance chart

Glass Thickness (D)	Hinge side O.C.
5/16" (8 mm)	0
11/32" (9 mm)	0
3/8" (10 mm)	0

■ Glass Thickness 5/16" (8 mm)



■ Glass Thickness 3/8" (10 mm)



Item No.	Type	Weight (g)	Box (pcs)	Carton (pcs)	Finish
J95-24/16T-NI	Free Swing	131	10	50	Nickel (NI)
J95-C24/16T-NI	Self-Closing	143			
J95-24/16T-BN	Free Swing	131			Black Nickel (BN)
J95-C24/16T-BN	Self-Closing	143			

Part Name	Material
Cup	Zinc Alloy
Body	Steel

*Requires J95-P6T Mounting Plate (sold separately p.288).

HEAVY DUTY CONCEALED HINGE (INSET)

RoHS compliant | STEEL

J95-24/0T,J95-C24/0T



Nickel (NI)



Black Nickel (BN)

- Load capacity: 55 lbs (25 kg)/2 pcs, 88 lbs (40 kg)/3 pcs.
- Maximum door width:
  31-1/2" (800 mm)/2 pcs, 35-7/16" (900 mm)/3 pcs.
- Maximum door width:
  94-1/2" (2400 mm)
- Clip on type for easy installation.
- 3-way adjustment with door installed.
- Adjustments are performed with J95-P6T mounting plate:
  Vertical adjustment ±1/8" (±3 mm)
  Overlay adjustment ±0/-3/16" (±0/-4 mm)
  Depth adjustment ±1/16"~1/8" (+1.5/ -2.5 mm)
- Requires 6 M5 or equivalent (US#10) screws:
  2 pcs for each hinge, and 4 pcs for each mounting plate.
- Optional hinge cover (J95SC-0) and mounting plate cover (J95ZC) available (sold separately p.288).
- For glass door applications, see page 287.

Mounting Plate Covers - J95ZC (Sold Separately)



Grey (GR)



Nickel (NI)



Black Chrome (BC)

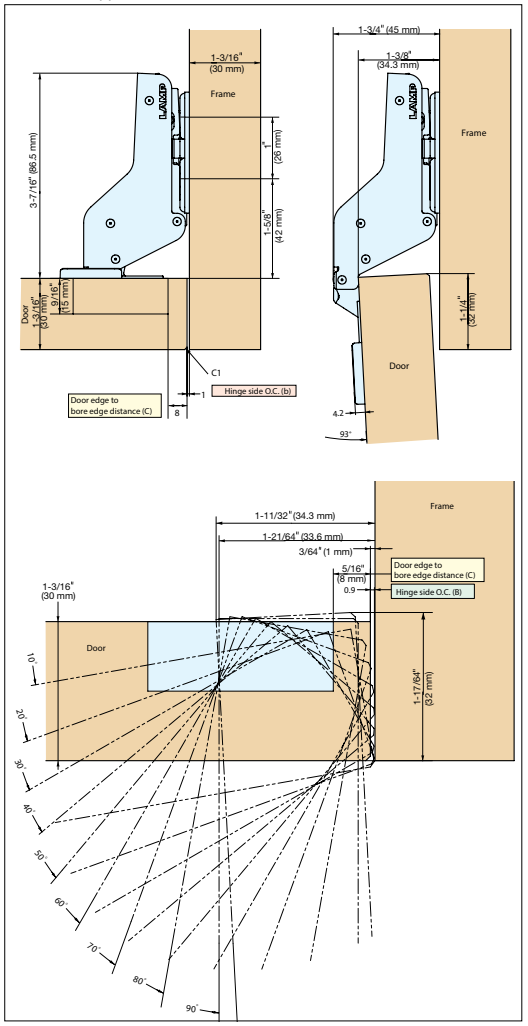
Safety Covers - J95SC-0 (Sold Separately)







Wood Door Application



■ Door edge to bore edge distance (C) and Overlay distance (E) Table 1.

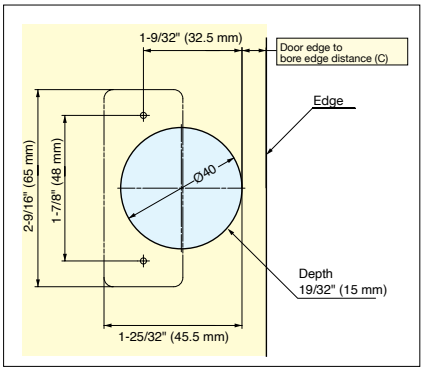
Door edge to bore edge distance (C) in mm	3	4	5	6	7	8
Overlay distance (E) in mm	6	5	4	3	2	1

■ Hinge side opening clearance chart Table 2.

Door Thickness (D)*	Door edge to bore edge distance (C) in mm					
	3	4	5	6	7	8
11/16" (18)	0	0	0	0	0	0
13/16" (20)	0	0	0	0	0	0
7/8" (22)	0.1	0.1	0.1	0.1	0.1	0.1
15/16" (24)	0.1	0.1	0.1	0.1	0.1	0.1
1" (26)	0.3	0.3	0.3	0.3	0.3	0.3
1-1/8" (28)	1.7	1.1	0.6	0.5	0.5	0.5
1-3/16" (30)	3.5	2.9	2.3	1.8	1.0	0.9
1-1/4" (32)	5.4	4.7	4.1	3.6	3.0	2.5
1-5/16" (34)	7.3	6.0	6.0	5.4	4.8	4.3
	Hinge side O.C. (B)					

*If the door thickness is over 1-3/16" (30 mm) the door will need to be chamfered.

Bore Dimension



Item No.	Type	Weight (g)	Box (pcs)	Carton (pcs)	Finish
J95-24/0T-NI	Free Swing	148	10	50	Nickel (NI)
J95-C24/0T-NI	Self-Closing	160			
J95-24/0T-BN	Free Swing	148			Black Nickel (BN)
J95-C24/0T-BN	Self-Closing	160			

Part Name	Material
Cup	Zinc Alloy
Body	Steel

*Requires J95-P6T Mounting Plate (sold separately p.288).

HEAVY DUTY CONCEALED HINGE (INSET)

RoHS STEEL

J95-24/0T,J95-C24/0T



Nickel (NI)



Black Nickel (BN)

- Load capacity: 25 kg (55 lbs)/2 pcs, 35 kg (77 lbs)/3 pcs.
- Maximum door width: 31-1/2" (800 mm)/2 pcs
- Recommended door thickness:
  5/16"~3/8" (8~10mm) for tempered glass only.
- Clip on type for easy installation.
- 3-way adjustment with door installed.
- Adjustments are performed with J95-P6T mounting plate:
  Vertical adjustment ±1/8" (±3 mm)
  Overlay adjustment ±0/-3/16" (±0/-4 mm)
  Depth adjustment ±1/16"~ 1/8" (+1.5/ -2.5 mm)
- Requires 6 M5 or equivalent (US#10) screws:
  2 pcs for each hinge, and 4 pcs for each mounting plate.
- Optional hinge cover (J95SC-0) and mounting plate cover (J95ZC) available (sold separately p.288).
- Glass face plate (GH-J95FP) also available (sold separately p.289).
- For wood door applications, see page 286.

Mounting Plate Covers - J95ZC (Sold Separately)



Grey (GR)



Nickel (NI)



Black Chrome (BC)

Safety Covers - J95SC-0 (Sold Separately)







Glass Face Plate - GH-J95FP (Sold Separately)



Chrome (CR)

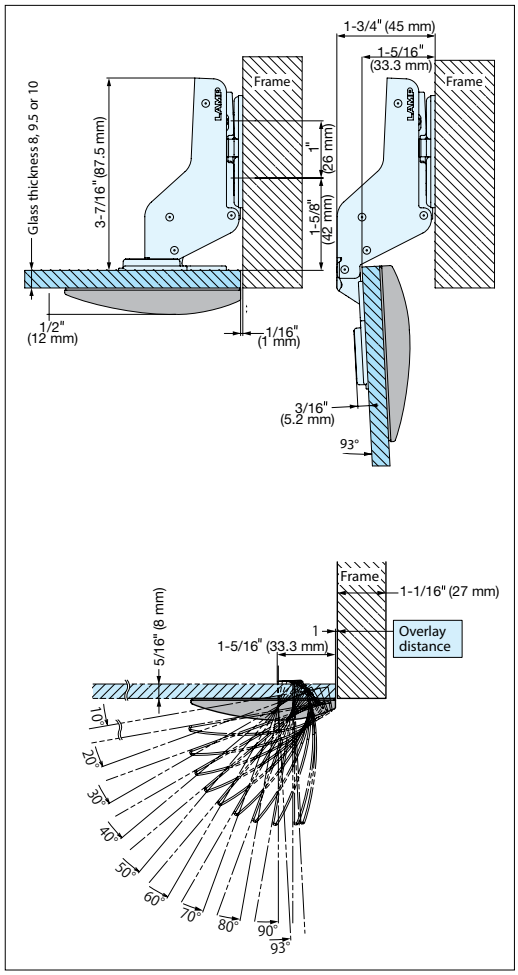


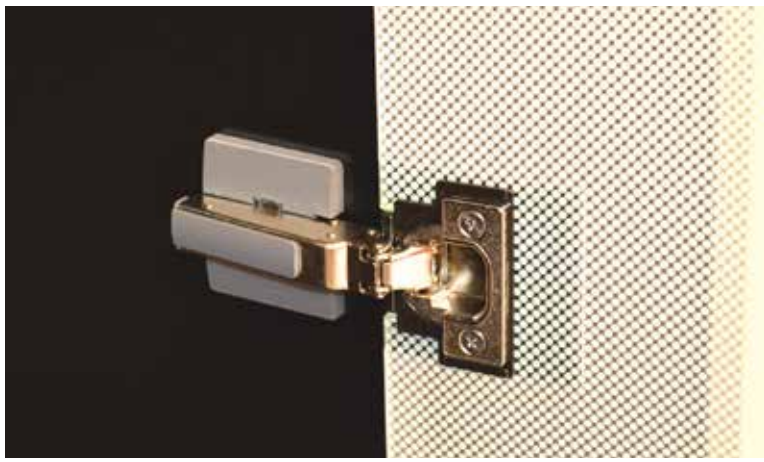
Satin Nickel (SN)

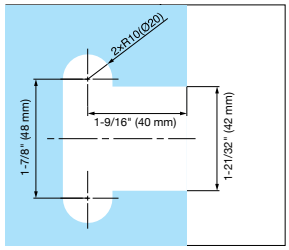


Black (Bl)

Glass Door Application



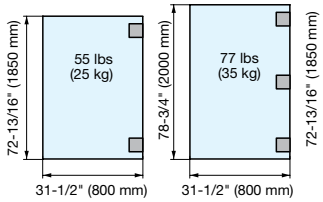




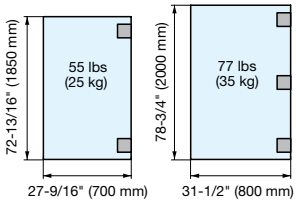
■ Hinge side opening clearance chart

Glass Thickness (D)	Hinge side O.C.
5/16" (8 mm)	0
3/8" (9.5 mm)	0
3/8" (10 mm)	0

■ Glass Thickness 5/16" (8 mm)



■ Glass Thickness 3/8" (10 mm)



Item No.	Type	Weight (g)	Box (pcs)	Carton (pcs)	Finish
J95-24/0T-NI	Free Swing	148	10	50	Nickel (NI)
J95-C24/0T-NI	Self-Closing	160			
J95-24/0T-BN	Free Swing	148			Black Nickel (BN)
J95-C24/0T-BN	Self-Closing	160			

Part Name	Material
Cup	Zinc Alloy
Body	Steel

*Requires J95-P6T Mounting Plate (sold separately p.288).

MOUNTING PLATE

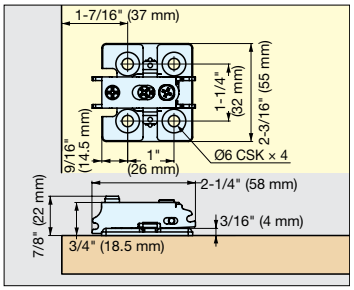
J95-P6T



J95-P6T-NI
Nickel (NI)



J95-P6T-BN
Black Nickel (BN)



- Vertical adjustment: ±1/8" (±3 mm).
- Overlay adjustment: ±0/-3/16" (+0/-4 mm).
- Depth adjustment: +1/16" ~ -1/8" (+1.5/-2.5 mm).
- Specify finish when ordering.

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
J95-P6T-NI J95-P6T-BN	94	10	100

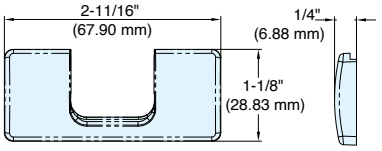
Material	Finish/Color
Steel/Zinc Alloy	Nickel (NI), Black Nickel (BN)

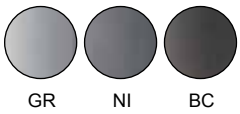
CUP COVER FOR J95 SERIES

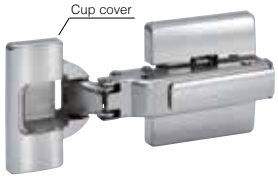
J95CC

- Special cover for J95 hinges to hide the screws.
- Comes with a double-sided tape to bond the cover and hinge.
- Please make sure that the surface is clean before taping.









Item No.	Weight (g)	Box (pcs)	Carton (pcs)
J95CC-GR J95CC-NI J95CC-BC	3.2	50	1000

Material	Finish/Color
Plastic (ABS)	Grey (GR), Nickel (NI), Black Chrome (BC)

MOUNTING PLATE COVER

J95ZC

- Mounting plate cover for J95 series.
- Specify finish when ordering.



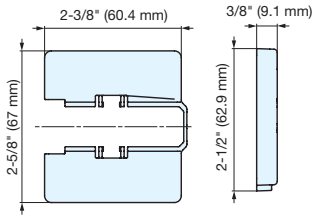
J95ZC-GR
Grey



J95ZC-BC
Black Chrome



J95ZC-NI
Nickel





Nickel cover cap shown

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
J95ZC-GR J95ZC-NI J95ZC-BC	9	100	1000

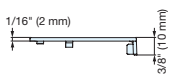
Material	Finish/Color
Plastic (ABS)	Grey (GR), Nickel (NI), Black Chrome (BC)

SAFETY COVER

J95SC

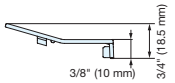
J95SC-25GR
Grey





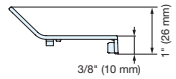
J95SC-16NI
Nickel





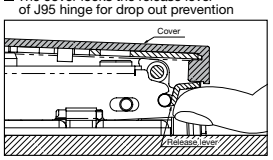
J95SC-0BC
Black Chrome

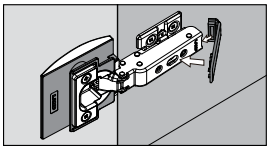




- Hinge safety cover for J95 series.
- Specify finish when ordering.

■ The cover locks the release lever of J95 hinge for drop out prevention





Item No.			Weight (g)	Box (pcs)	Carton (pcs)
J95SC-25GR	J95SC-25NI	J95SC-25BC	3	100	1000
J95SC-16GR	J95SC-16NI	J95SC-16BC			
J95SC-0GR	J95SC-0NI	J95SC-0BC			

Material	Finish/Color
Plastic (ABS)	Grey (GR), Nickel (NI), Black Chrome (BC)

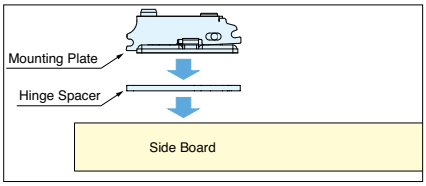
HINGE SPACER

NO SCREW

J95-DP2



How to Use



Set the spacer between the mounting plate and side board.

- For J95 Concealed Hinge and J160 Soft-Close Hinge.
- Decreases overlay of outset doors by 5/64" (2 mm).
- Increases clearance of inset doors by 5/64" (2 mm).
- Can be doubled for 5/32" (4 mm) thickness.
- Requires countersunk self tapping screw 5 x 25 (not included).

Item No.	Material	Color	Weight (g)
J95-DP2	POM	Grey	5

Item Name	Material	Finish/Color
TAP525NI	Steel	Nickel
TAP525BN		Black Nickel

GLASS FACEPLATE FOR J95 SERIES

STEEL

GH-J95FP



GH-J95FP/CR
Chrome

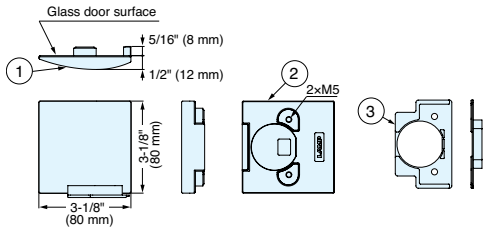


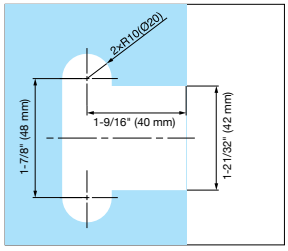
GH-J95FP/SN
Satin Nickel



GH-J95FP/BL
Black

- Glass faceplates for J95 series.
- Specify finish when ordering.





Bore Dimensions



Item No.	Weight (g)	Box (pcs)	Carton (pcs)
GH-J95FP/CR	320	1	20
GH-J95FP/SN			
GH-J95FP/BL			

No.	Part Name	Material	Finish
①	Face Plate	ZDC	Chrome (CR),Satin Nickel (SN), Black (BL)
②	Face Plate Spacer	Plastic (POM)	
③	Socket Spacer		Black

GLASS FACEPLATE FOR J95 SERIES

GH-J95FP-Q1



GH-J95FP-Q1/SL
Silver



GH-J95FP-Q1/GL
Gold

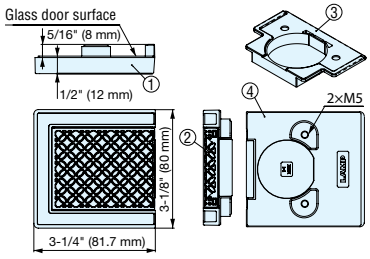


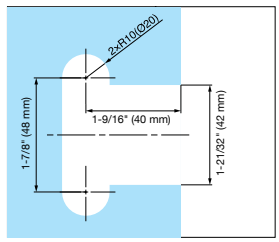
GH-J95FP-Q1/BR
Brass



GH-J95FP-Q1/BL
Black

- Glass faceplates for J95 series.
- Customizable design.
- Specify finish when ordering.





Bore Dimensions



Item No.	Weight (g)	Box (pcs)	Carton (pcs)
GH-J95FP-Q1/SL	347	1	20
GH-J95FP-Q1/GL			
GH-J95FP-Q1/BR			
GH-J95FP-Q1/BL			

No.	Part Name	Material	Finish
①	Face Plate	Zinc Alloy	Silver (SL), Gold (GL), Brass (BR), Black (BL)
②	Decorative Plate	Brass	
③	Socket Spacer	Plastic (POM)	Black
④	Face Plate Spacer		

DAMPER CATCH

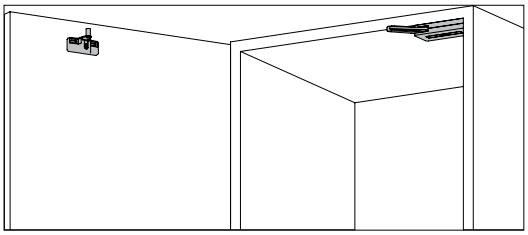
RoHS compliant | STEEL

DC-200



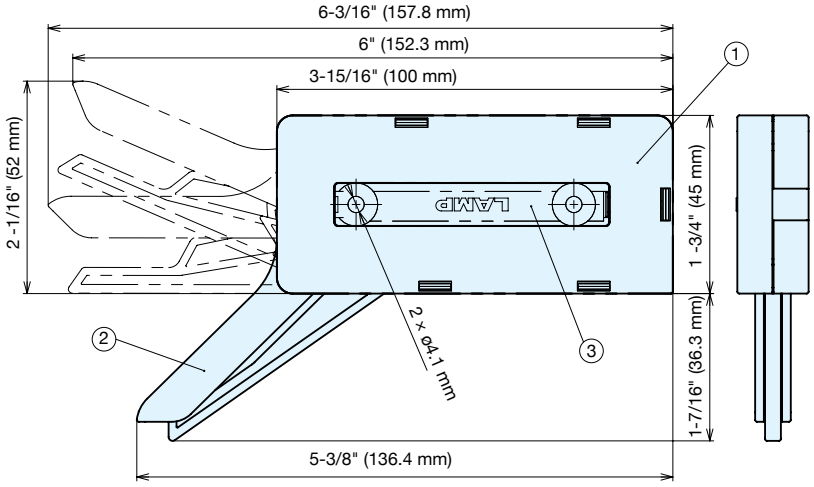
- Damper and catch combination for large cabinetry and closet doors.
- Allows door to soft close and prevent slamming.
- Holds doors in closed position.
- Easy to install by simply aligning body with the interior wall.
- Non-handed.
- Can handle doors up to 88 lbs (40 kg). (When using DC-200 - 40).
- Strike can be adjusted post-installation: horizontally ±3/16" (±5 mm), vertically ±5/32" (±4 mm).
- Passed 50,000 open/close cycles in a private test.

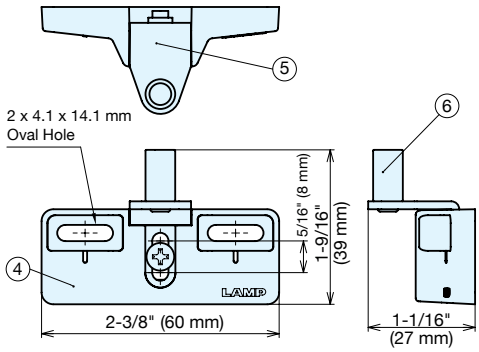
RECOMMENDED HINGES
- Heavy Duty Concealed Hinge J95.
- 3way Adjustable Concealed Hinge HES3D-90
- Single axis furniture hinges.



Attach to the interior of the cabinet.





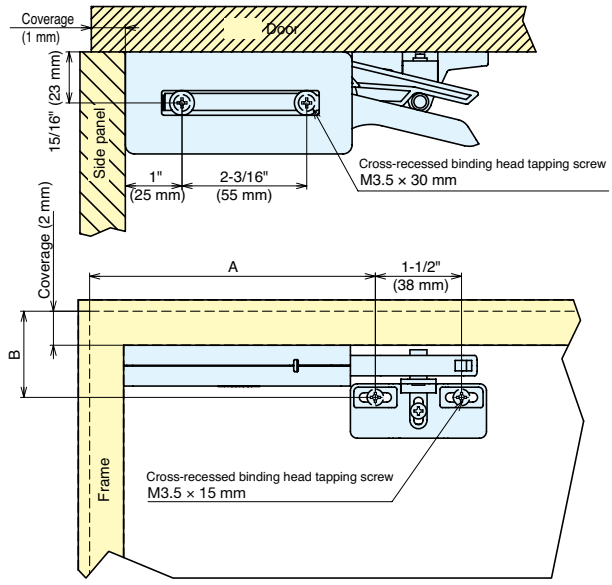


No.	Item Name	Materials	Finish/Colour
①	Body	PC/ABS	White / Black
②	Arm	PA	White / Black
③	Body Cover	ABS	White / Black
④	Counter	PC/ABS	White / Black
⑤	Counter Plate	Steel (SPCC)	Nickel Plating
⑥	Bumper	Elastomer	Gray

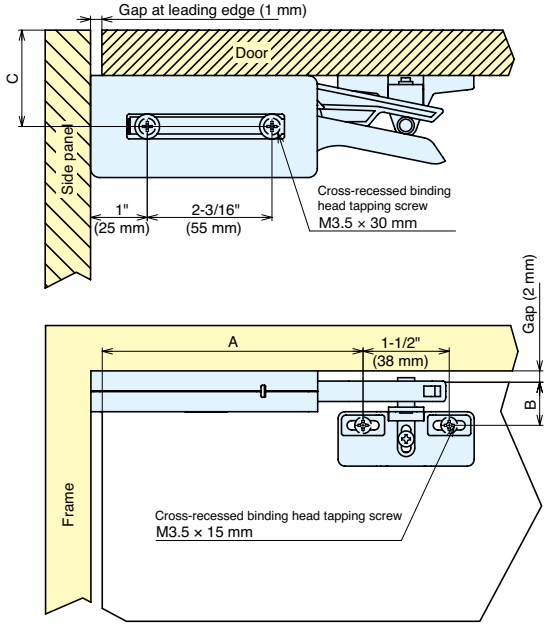
Item Name	Colour	Door Width	Max. Door Height	Load Capacity	Weight (g)	Box (pcs)	Carton (pcs)
DC-200-25WT	White	17-3/4" ~ 35-7/16" (450 - 900 mm)	94-1/2" (2400 mm)	15 ~ 55 lbs (7 ~ 25 kg)	105	10	100
DC-200-25BL	Black						
DC-200-40WT	White			55 ~ 88lbs (25 ~ 40 kg)			
DC-200-40BL	Black						

DAMPER CATCH DC-200

For overlay doors



For inset doors Install a door stopper in addition to this product.



	A	B	C
Overlay Doors	4-1/2" (114 mm) + Coverage (1 mm)	15/16" (24 mm) + Coverage (2 mm)	
Inset Doors	4-1/2" (114 mm) - gap at leading edge (1 mm)	15/16" (24 mm) - gap (2 mm)	15/16" (23 mm)+Door Thickness

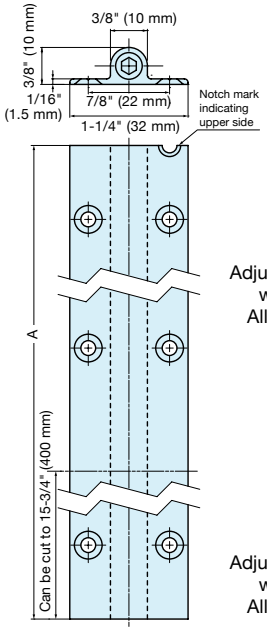


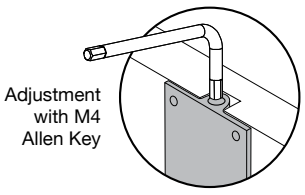


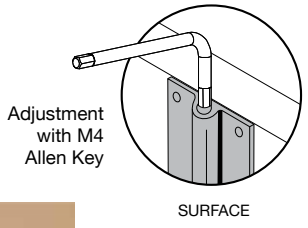
DESIGN FEATURES
- Compact and slim design.
- Available in black and white for optimum concealment.
- Available in 2 strengths to accommodate various door sizes.

DSR701-RECESSED/SURFACE

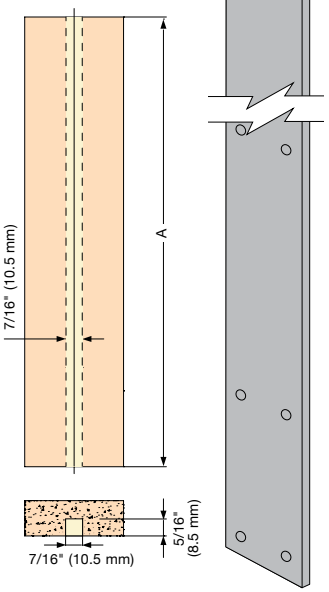
- Installed post-production to fix warped doors.
- Must run complete height of door.
- Can be partially recessed or surface mounted to the back of the door.
- ±3/8" (±10mm) adjustment can be made from the top of the door with a M4 Allen Key (not included).
- Min. door thickness 5/8" (16 mm).
- Requires M4 (U.S. #8) flathead wood countersunk screws for partially recessed installation or wood panhead screws for surface installation.
- Can be cut from the bottom up to 15-3/4" (400 mm).
- Note: Sold in Boxes of 10 sets.







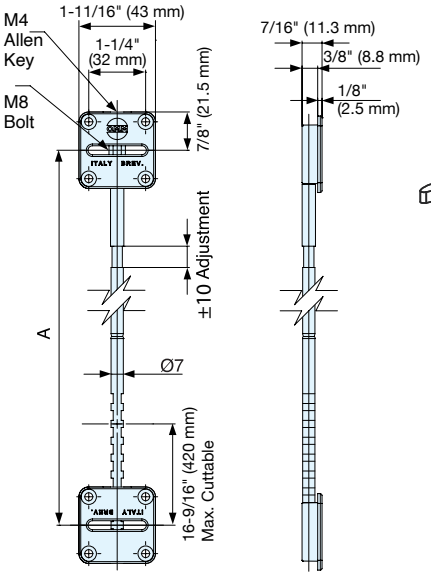


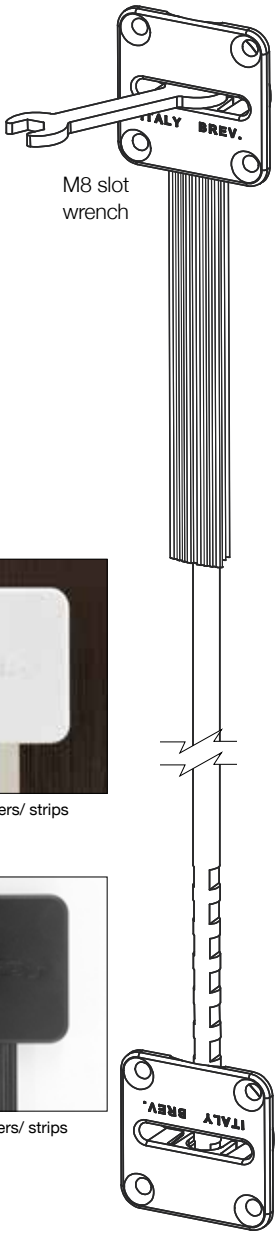


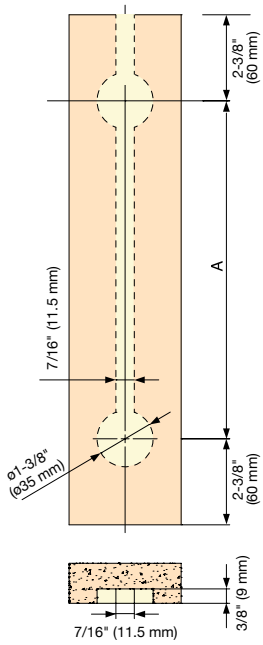
Item No.	Min. Door Thickness	Adjust (mm)	Length Min-Max (A)	Box (sets)	Materials	Finish
DSR701-1830/B-10	5/8"	± 3/8"	56-5/16"~72-1/16"	10	Rod: Steel Casing: Aluminum	Black
DSR701-1830/S-10						Silver
DSR701-2200/B-10			70-7/8" ~ 86-5/8"			Black
DSR701-2200/S-10						Silver

DSR213-RECESSED

- Installed at time of production to prevent door from warping.
- Adjustors installed 2-3/8" (60 mm) from the top and bottom of the door.
- Partially Recessed Door Straightener with Cover Caps.
- ±3/8" (±10mm) adjustment can be made from the back of the door with a M8 slot wrench (included).
- Min. door thickness 5/8" (16 mm).
- Requires 8 M4 (U.S. #8) flathead contersunk wood screws for installation.
- Note: Sold in Boxes of 25 sets.









White plastic covers/ strips are included.



Black plastic covers/ strips sold separately.

Box (sets)	Materials	Finish
25	Rod: Steel,	Plain
	Adjuster: Zinc	Nickel
	Covers: PVC Plastic, PPT Plastic	White, Black

Item No.	Min. Door Thickness	Adjust	Center Distance (A)	Door Length
DSR213-1524-25	5/8"	± 3/8"	43-7/16" ~ 60"	48-3/16" ~ 64-3/4"
DSR213-1930-25			59-7/16" ~ 76"	64-3/16" ~ 80-11/16"
DSR213-2330-25			75-3/16" ~ 91-3/4"	79-15/16" ~ 96-7/16"
DSR213-2700-25			89-3/4" ~ 106-5/16"	94-1/2" ~ 111"

DSR423-CONCEALED

- Installed at time of production to prevent door from warping.
- Adjustors installed 2-3/8” (60 mm) from the top and bottom of the door.
- Fully concealed/hidden door straightener. Recessed mounted under laminate.
- ±3/8" (±10mm) adjustment can be made from the top of the door with a M4 Allen Key (included).
- Min. door thickness 1/2” (12 mm).
- Optional mounting holes to secure door straighner to door using 4 M4(U.S. #8) flathead contersunk wood screws.
- Note: Sold in Boxes of 25 sets.



Box (sets)	Materials	Finish
25	Rod: Steel	Plain
	Adjuster: Zinc	Nickel

Item No.	Min. Door Thickness	Adjust	Center Distance (A)	Door Length
DSR423-1524-25	1/2"	±3/8"	43-7/16" ~ 60"	48-3/16" ~ 64-3/4"
DSR423-1930-25			59-7/16" ~ 176"	64-3/16" ~ 80-11/16"
DSR423-2300-25			74" ~ 90-9/16"	78-3/4" ~ 95-1/4"
DSR423-2700-25			89-3/4" ~ 106-5/16"	94-1/2" ~ 111"

DSR403-CONCEALED

- Installed at time of production to prevent door from warping.
- Adjustors installed 2-3/8” (60 mm) from the top and bottom of the door.
- Fully Concealed/Hidden Door Straightener. Recess mounted under laminate.
- ± 3/8” (10 mm) adjustment can be made from the top of the door with a M4 Allen Key (included).
- Min. door thickness 11/16” (18 mm).
- Pressure-fit into place, screws not needed for installation.
- Note: Sold in Boxes of 25 sets.



Box (sets)	Materials	Finish
25	Rod: Steel	Plain
	Adjuster: Zinc	Nickel

Item No.	Min. Door Thickness	Adjust	Center Distance (A)	Door Length
DSR403-1524-25	11/16"	±3/8"	43-7/16" ~ 60"	48-3/16" ~ 64-3/4"
DSR403-1930-25			59-7/16" ~ 176"	64-3/16" ~ 80-11/16"
DSR403-2300-25			74" ~ 90-9/16"	78-3/4" ~ 95-1/4"
DSR403-2700-25			89-3/4" ~ 106-5/16"	94-1/2" ~ 111"

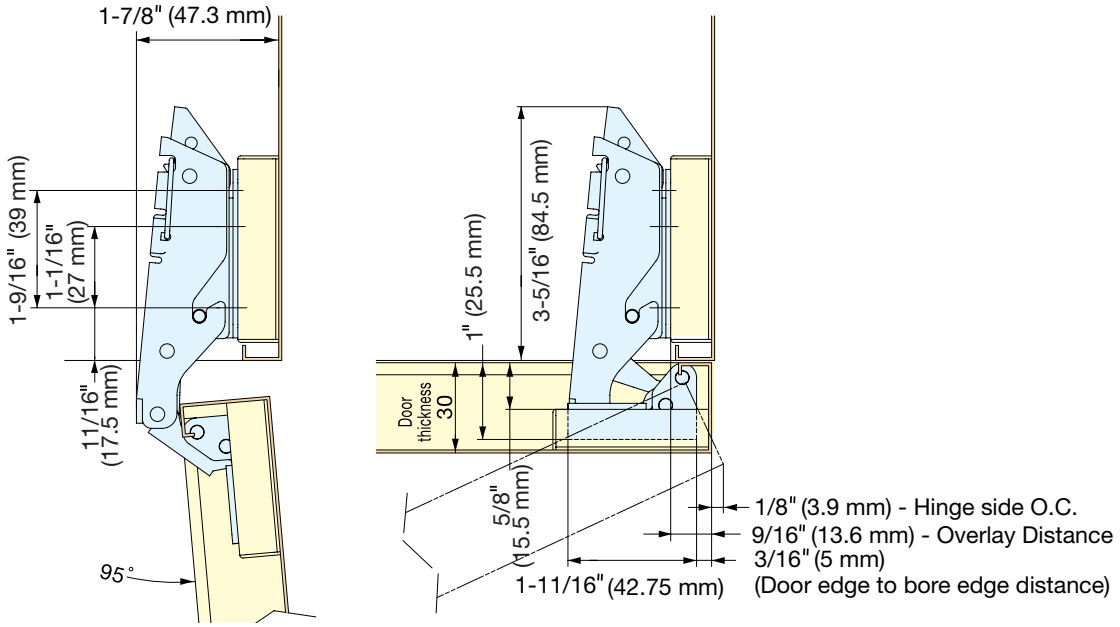
CONCEALED HINGE (CLIP-ON)

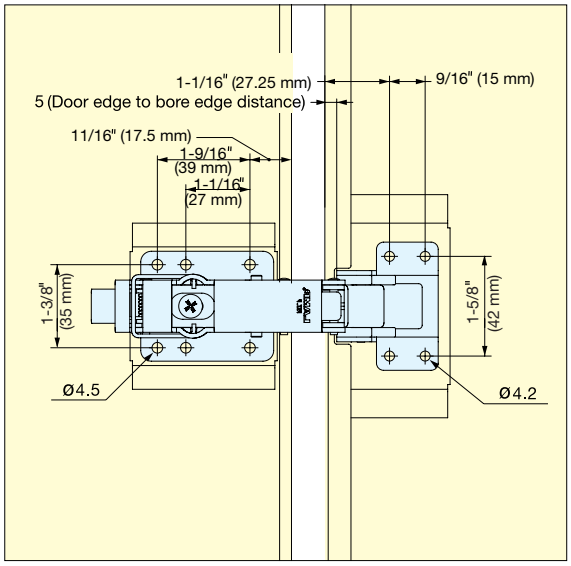
RoHS NO SCREW

H95TS

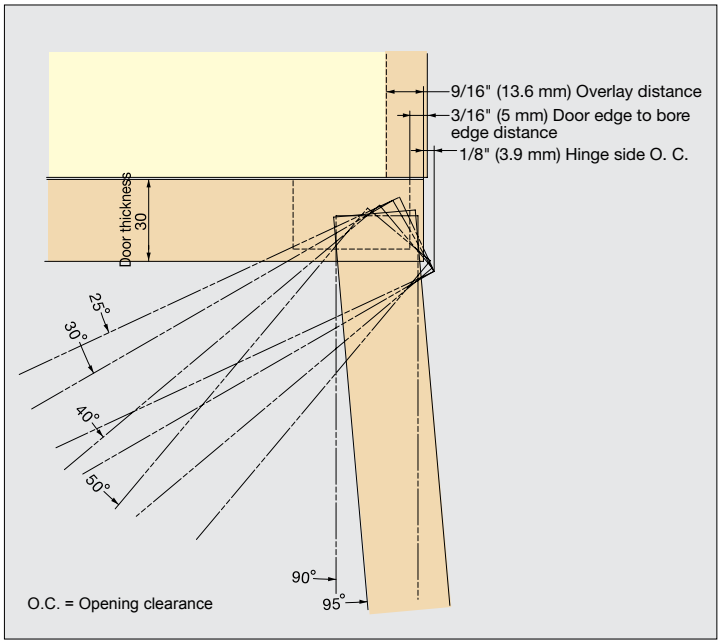


- 95° opening concealed hinge.
- Clip-on feature allows easy door installation/removal.
- Safety lock feature.
- Door opens without hitting adjacent cabinets.
- Ideal when 2 doors are close together.
- Hinge body and mounting plate sold separately.





Installation



Item No.	Weight (g)	Box (pcs)
H95TSH	149	100
H95TSZ	94	100

Item No.	Part Name	Material	Finish
H95TSH	Body	Steel	Nickel
H95TSZ	Mounting Plate		

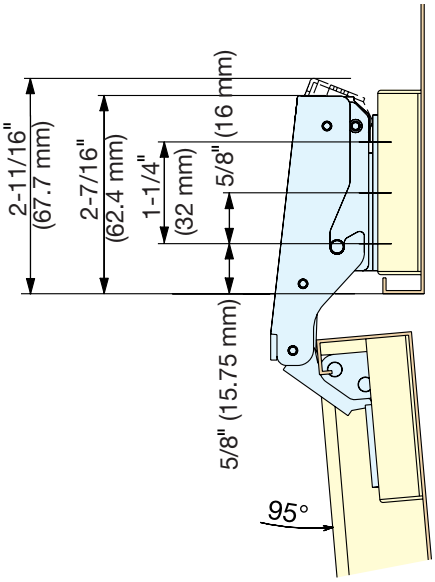
CONCEALED HINGE (CLIP-ON)

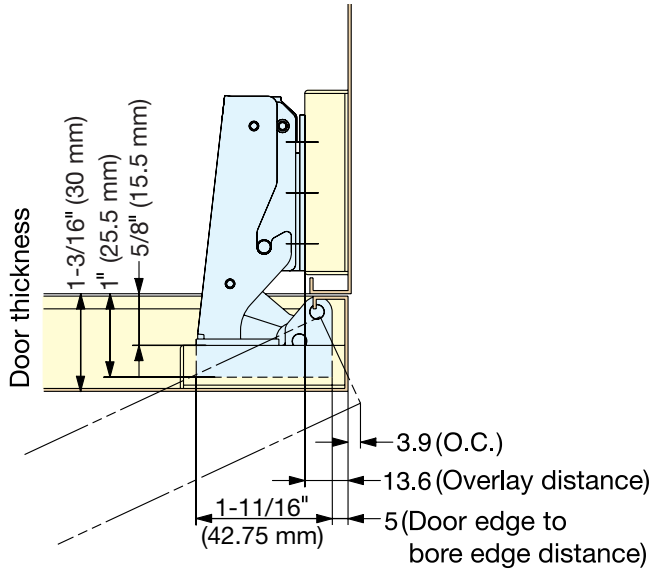
RoHS compliant | NO SCREW

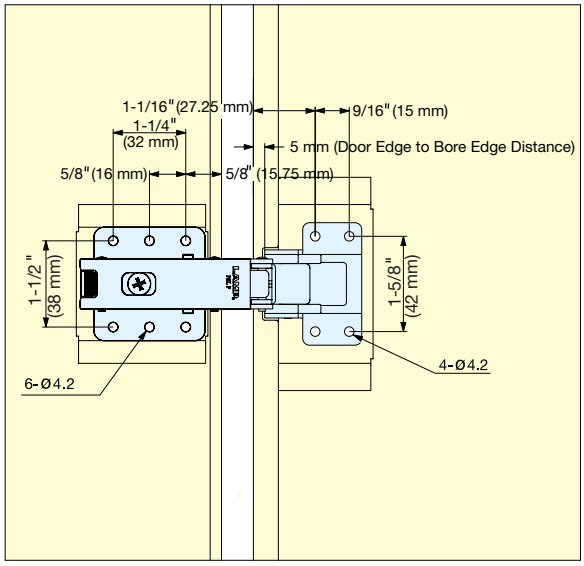
H95TM



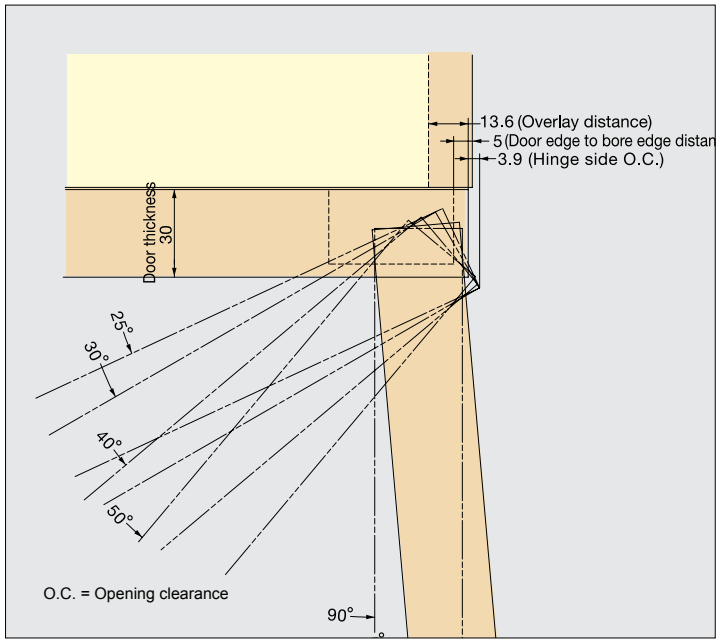
- 95° opening concealed hinge.
- Clip-on feature allows easy door installation/removal.
- Door opens without hitting adjacent cabinets.
- Ideal when 2 doors are close together.
- Hinge body and mounting plate sold separately.







Installation



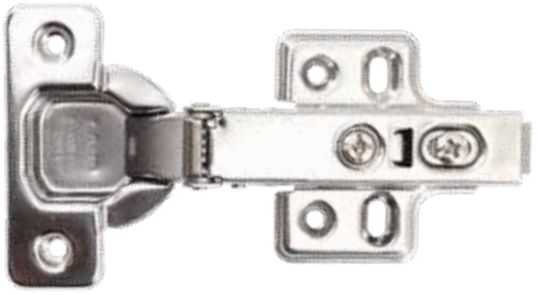
Item No.	Weight (g)	Box (pcs)
H95TMH	138	100
H95TMZ	81	100

Item No.	Part Name	Material	Finish
H95TMH	Body	Steel	Nickel
H95TMZ	Mounting Plate		

STAINLESS STEEL CONCEALED HINGE (SOFT/SELF CLOSE)

RoHS | STAINLESS 304 STEEL | 3.5×16 STAINLESS

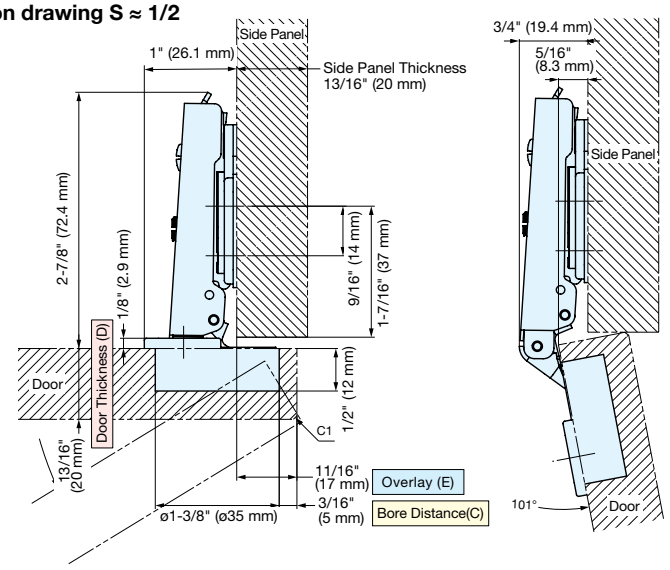
180SUS-C/D46



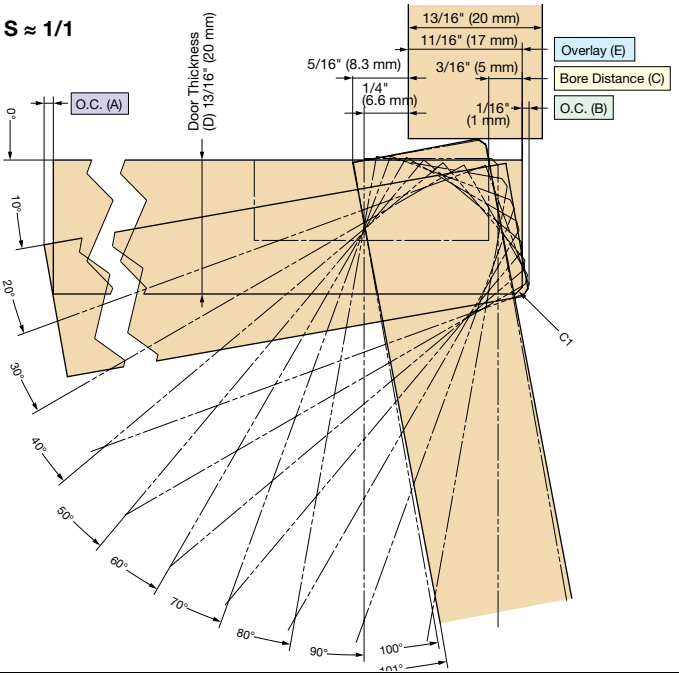
- Stainless steel hinge body construction allows for usage in outdoor environments.
- Passed 480 hour salt spray test.
- Resin casing protects damper from corrosive elements.
- Convenient clip-on mounting system with easy release dismount lever. (180SUS-P6T mounting plate sold separately)
- Soft-close version prevents the door from slamming shut.
- Self-closing version helps to firmly close door.
- Overlay: 9/16" ~ 3/4" (15 ~ 19mm)
- Door Thickness: 9/16" ~ 13/16" (15 ~ 20m)
- 3-Way Adjustable (Overlay, Depth, Vertical)
- Durable, successfully passed 30,000 cycle test.
- Successfully completed 500 hours of ISO9227 salt spray testing.

105°Opening	3/4" (19 mm) Overlay	Door Thickness 9/16" - 13/16" (15 - 20 mm)

Installation drawing S ≈ 1/2



Locus chart S ≈ 1/1





Bore Distance (C)

Bore Distance (C)	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)
Overlay (E)	9/16" (15 mm)	5/8" (16 mm)	11/16" (17 mm)

For standard type mounting plate 0 mm thickness. Turning the overlay adjustment screw to adjust overlay. (Adjustment range: ±2 mm). To achieve a 19 mm overlay, set the bore distance (C) at 5 mm and move the overlay adjustment back -2 mm.

Opening Clearance (O.C.)

Clearances for door edge O.C. (A) and hinge side O.C. (B) are necessary. O.C. (A) and (B) change depending on door thickness and bore distance (C). Refer to locus chart and tables below when designing cabinets.

O.C. (B)

Door Thickness (D)	Bore Distance (C)		
	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)
9/16" (15 mm)	0.1	0.1	0.1
5/8" (16 mm)	0.2	0.2	0.2
11/16" (17 mm)	0.4	0.4	0.3
11/16" (18 mm)	0.6	0.5	0.5
3/4" (19 mm)	0.8	0.8	0.8
13/16" (20 mm)	1.1	1.1	1.0
13/16" (21 mm)*	1.6	1.5	1.4
7/8" (22 mm)*	2.3	2.0	1.8
	O.C. (B)		

*Please refer to the locus chart if door thickness is over 20 mm. (O.C. (B) can be reduced by machining the R and C faces on the door.)

O.C. (A)

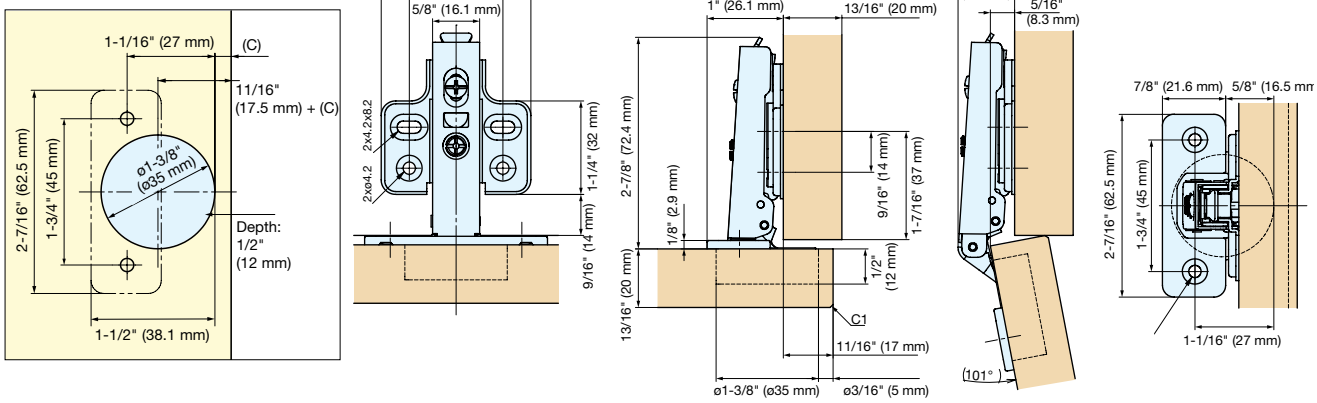
Door Thickness (D)	Door Width				
	11-13/16" (300 mm)	15-3/4" (400 mm)	17-3/4" (450 mm)	19-11/16" (500 mm)	23-5/8" (600 mm)
13/16" (20 mm)	0.24	0.18	0.15	0.14	0.12
	O.C. (A)				

*Reference values for door widths 500 and 600.

Item No.	Type	Door Thickness	Weight (g)	Box (pcs)	Carton (pcs)
180SUS-D46-19T	Soft Close Damper	9/16" ~ 13/16" (15 ~ 20 mm)	60	20	200
180SUS-C46-19T	Self-Close				

Material	Finish
304 Stainless Steel	Polished

Bore Dimensions

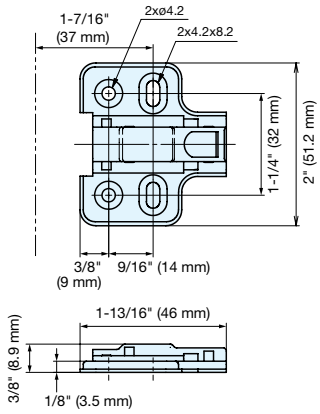


STAINLESS STEEL MOUNTING PLATE

RoHS compliant · STAINLESS 304 STEEL · 3.5×16 STAINLESS

180SUS-P6T



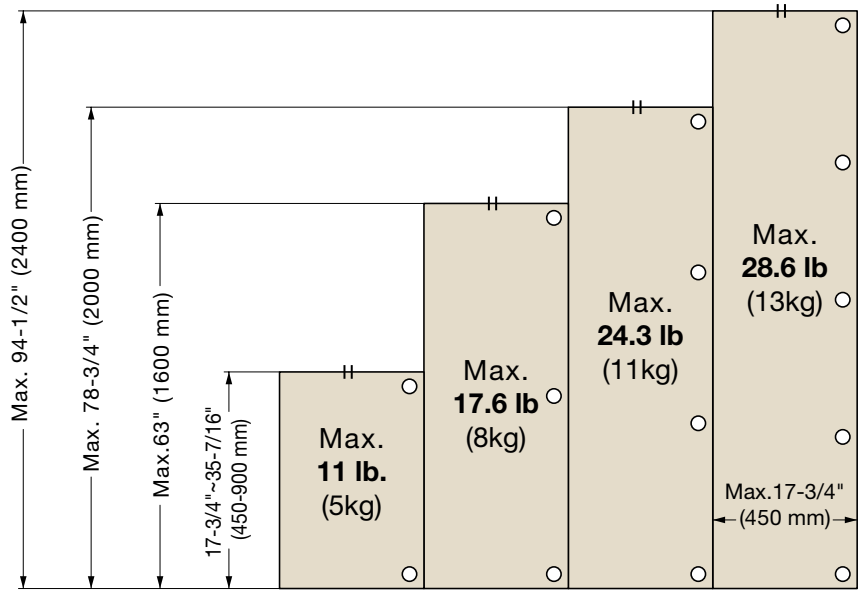


- Full STAINLESS STEEL fabrication
- To be used with 180SUS-C46-19T and 180SUS-D46-19T

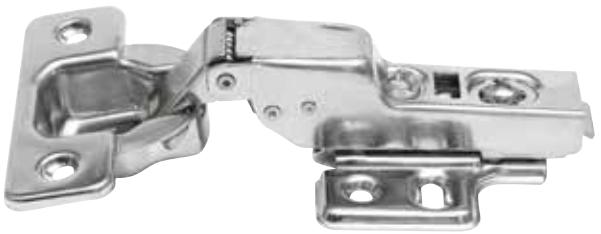
Material	Finish
304 Stainless Steel	Polished

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
180SUS-P6T	15	20	400

Recommended Hinge Quantity



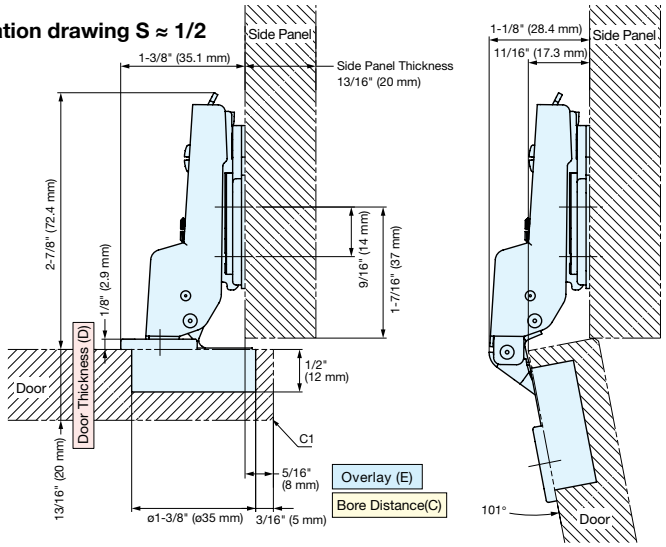
STAINLESS STEEL CONCEALED HINGE (SOFT/ SELF-CLOSE) 180SUS-C/D46-10T



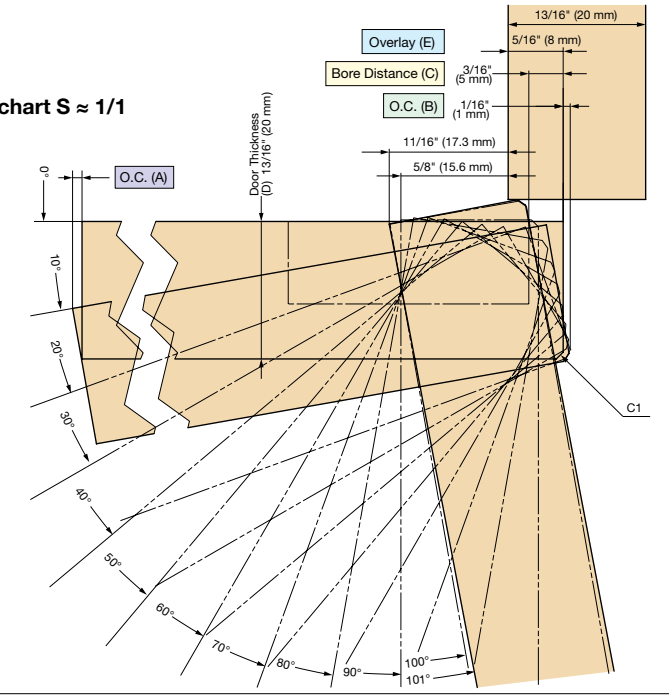
- Stainless steel hinge body construction allows for usage in outdoor environments.
- Passed 500 hour salt spray test.
- Resin casing protects damper from corrosive elements.
- Convenient clip-on mounting system with easy release dismount lever. (180SUS-P6T mounting plate sold separately)
- Soft-close version prevents the door from slamming shut.
- Self-closing version helps to firmly close door.
- Overlay: 1/4" ~ 3/8" (6 ~ 10 mm)
- Door Thickness: 9/16" ~ 13/16" (15 ~ 20m)
- 3-Way Adjustable (Overlay, Depth, Vertical)
- Durable, successfully passed 30,000 cycle test.
- Successfully completed 500 hours of ISO9227 salt spray testing.

105°Opening | **6-10 mm Overlay** | **Door Thickness 15 - 20 mm**

Installation drawing S ≈ 1/2



Locus chart S ≈ 1/1



Bore Distance (C)

Bore Distance (C)	3	4	5
Overlay (E)	6	7	8

For standard type mounting plate 0 mm thickness. Turning the overlay adjustment screw to adjust overlay. (Adjustment range: ±2 mm)

Opening Clearance (O.C.)

Clearances for door edge O.C. (A) and hinge side O.C. (B) are necessary. O.C. (A) and (B) change depending on door thickness and bore distance (C). Refer to locus chart and tables below when designing cabinets.

O.C. (B)

Door Thickness (D)	Bore Distance (C) 3	4	5
9/16" (15 mm)	0.1	0.1	0.1
5/8" (16 mm)	0.2	0.2	0.2
11/16" (17 mm)	0.4	0.4	0.3
11/16" (18 mm)	0.6	0.5	0.5
3/4" (19 mm)	0.8	0.8	0.8
13/16" (20 mm)	1.1	1.1	1.0
13/16" (21 mm)*	1.6	1.5	1.4
7/8" (22 mm)*	2.3	2.0	1.8
	O.C. (B)		

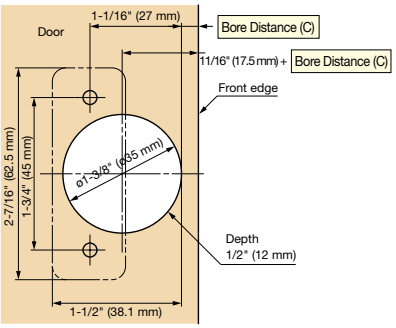
*Please refer to the locus chart if door thickness is over 20 mm. (O.C. (B) can be reduced by machining the R and C faces on the door.)

O.C. (A)

Door Thickness (D)	Door Width 11-13/16" (300)	15-3/4" (400)	17-3/4" (450)	19-11/16" (500)	23-5/8" (600)
13/16" (20 mm)	0.24	0.18	0.15	0.14	0.12
	O.C. (A)				

*Reference values for door widths 500 and 600.

Cut Out Dimensions (Wooden Doors)



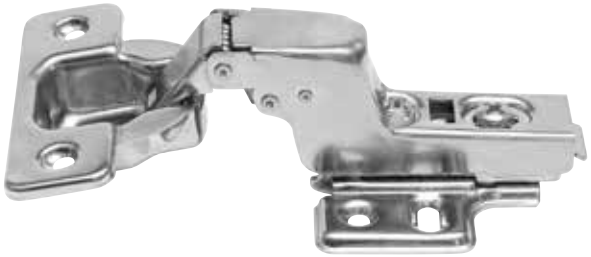
Item No.	Type	Door Thickness	Weight (g)	Box (pcs)	Carton (pcs)
180SUS-D46-10T	Soft Close Damper	9/16" ~ 13/16" (15 ~ 20 mm)	65	?	200
180SUS-C46-10T	Self-Close		61		

Material	Finish
304 Stainless Steel	Polished

Mounting Plate (sold separately) is required for installation. Please order separately.

STAINLESS STEEL CONCEALED HINGE (SOFT/ SELF-CLOSE)

180SUS-C/D46-0T

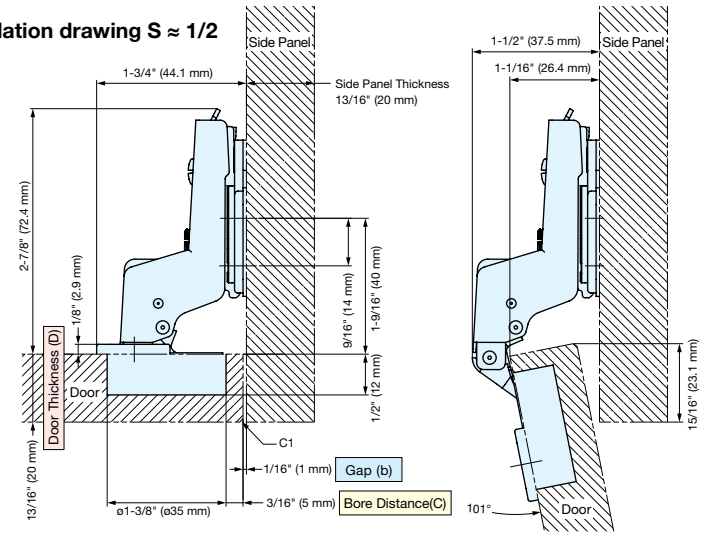


- Stainless steel hinge body construction allows for usage in outdoor environments.
- Passed 500 hour salt spray test.
- Resin casing protects damper from corrosive elements.
- Convenient clip-on mounting system with easy release dismount lever. (180SUS-P6T mounting plate sold separately)
- Soft-close version prevents the door from slamming shut.
- Self-closing version helps to firmly close door.
- Inset
- Door Thickness: 9/16" ~ 13/16" (15 ~ 20m)
- 3-Way Adjustable (Overlay, Depth, Vertical)
- Durable, successfully passed 30,000 cycle test.
- Successfully completed 500 hours of ISO9227 salt spray testing.

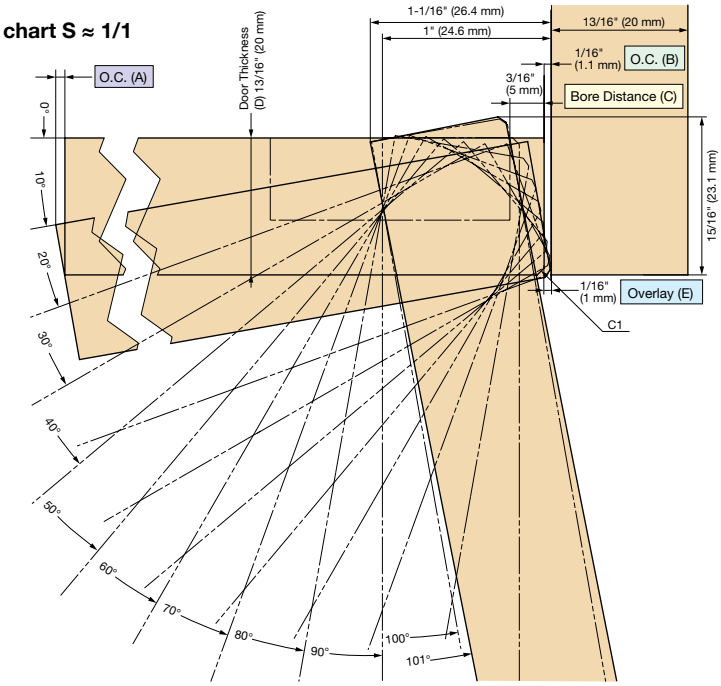
105° Opening | **Inset (1 mm gap at shipping)** | **Door Thickness 15 - 20 mm**

Applicable gap range: 0–4 mm (with 5 mm bore distance)

Installation drawing S ≈ 1/2



Locus chart S ≈ 1/1



Bore Distance (C)

Bore Distance (C)	3	4	5
Overlay (E)	3	2	1

For standard type mounting plate 0 mm thickness. Turning the adjustment screw increases the Gap (b) by up to 3 mm. The hinge-side O.C. (B) setting is shown in the table below.

Opening Clearance (O.C.)

Clearances for door edge O.C. (A) and hinge side O.C. (B) are necessary. O.C. (A) and (B) change depending on door thickness and bore distance (C). Refer to locus chart and tables below when designing cabinets.

O.C. (B)

Door Thickness (D)	Bore Distance (C) 3	4	5
9/16" (15 mm)	0.2	0.2	0.2
5/8" (16 mm)	0.3	0.3	0.3
11/16" (17 mm)	0.4	0.4	0.4
11/16" (18 mm)	0.7	0.6	0.6
3/4" (19 mm)	0.9	0.9	0.8
13/16" (20 mm)	1.2	1.2	1.1
13/16" (21 mm)*	1.7	1.6	1.5
7/8" (22 mm)*	2.3	2.0	1.9
	O.C. (B)		

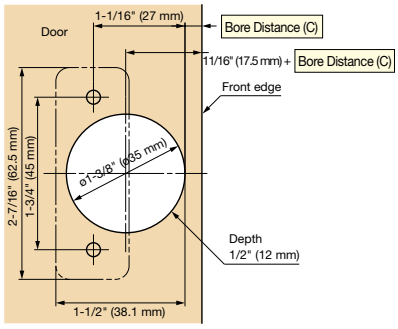
*Please refer to the locus chart if door thickness is over 20 mm. (O.C. (B) can be reduced by machining the R and C faces on the door.)

O.C. (A)

Door Thickness (D)	Door Width 11-13/16" (300)	15-3/4" (400)	17-3/4" (450)	19-11/16" (500)	23-5/8" (600)
13/16" (20 mm)	0.24	0.18	0.15	0.14	0.12
	O.C. (A)				

*Reference values for door widths 500 and 600.

Cut Out Dimensions (Wooden Doors)



Item No.	Type	Door Thickness	Weight (g)	Box (pcs)	Carton (pcs)
180SUS-D46-0T	Soft Close Damper	9/16" ~ 13/16" (15 ~ 20 mm)	67	?	200
180SUS-C46-0T	Self-Close		63		

Material	Finish
304 Stainless Steel	Polished

Mounting Plate (sold separately) is required for installation. Please order separately.

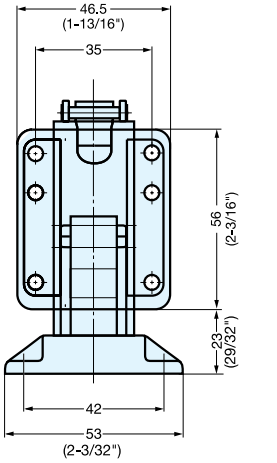
CONCEALED HINGE (CLIP-ON)

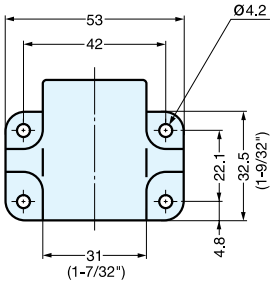
RoHS compliant | NO SCREW

HT-160T

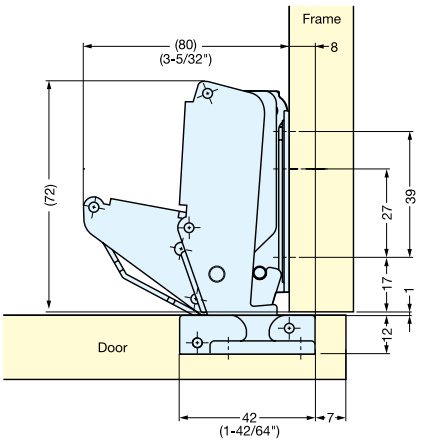


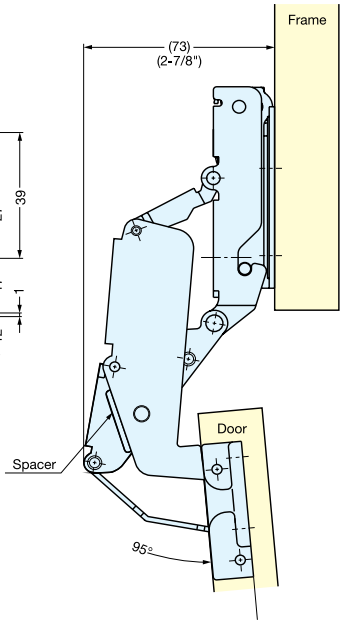
- 95° opening concealed hinge.
- Door opens without hitting adjacent cabinets.
- Ideal when 2 doors are close together.
- Clip-on feature allows easy door installation/removal.
- Hinge body and mounting plate sold separately.

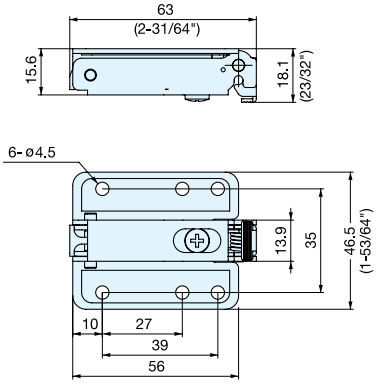




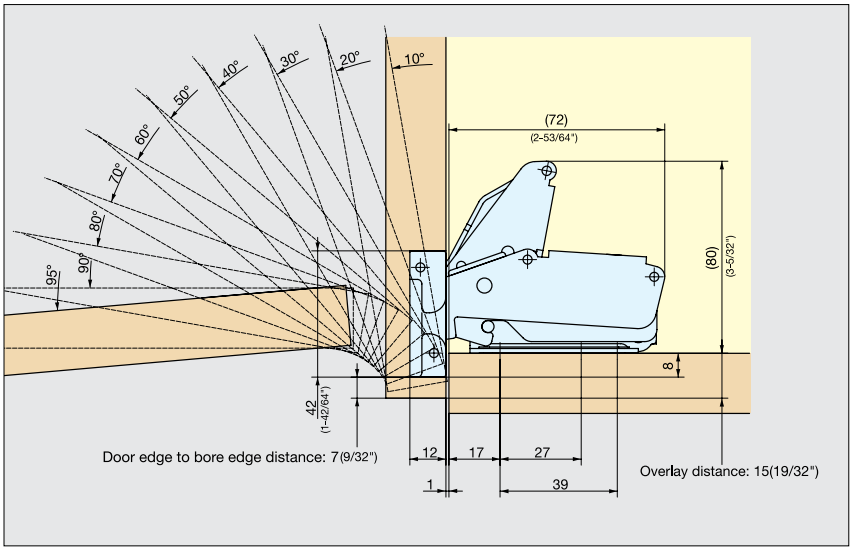
HT-160THV2







HT-160TZ (Mounting Plate)



Item No.	Weight (g)	Box (pcs)
HT-160THV2	205	100
HT-160TZ	68	200

Item No.	Part Name	Material	Finish/Color
HT-160THV2	Plate	Zinc Alloy	Nickel
	Body	Steel	
	Spacer	Polyacetal	Black
HT-160TZ	Mounting Plate	Steel	Nickel


Concealed
Hinge
with Adjustable
Soft-Close
A NEW STEP FOR HINGE TECHNOLOGY
OLYMPIA
360 POWERED BY Lapcon
LAMP

concept

01

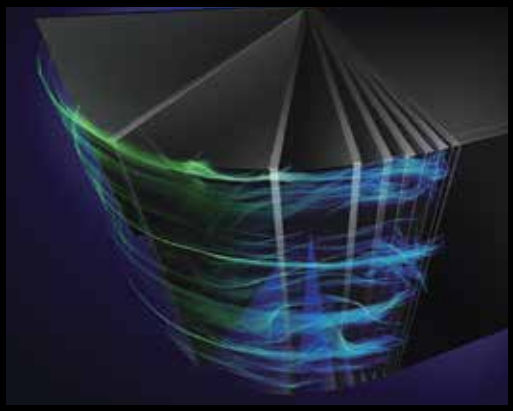






Lapcon®

5-speed adjustable soft close. The first Sugatsune concealed hinge ever built with Lapcon technology.



This is the first time Sugatsune's unique Lapcon technology has ever been used inside a concealed hinge. The innovative rotary damper is not only extremely compact with a sleek overall design, but its force can also be adjusted to perfection in 5 steps, regardless of the door size or weight.

concept
02

Successfully passed 200,000 cycles test.

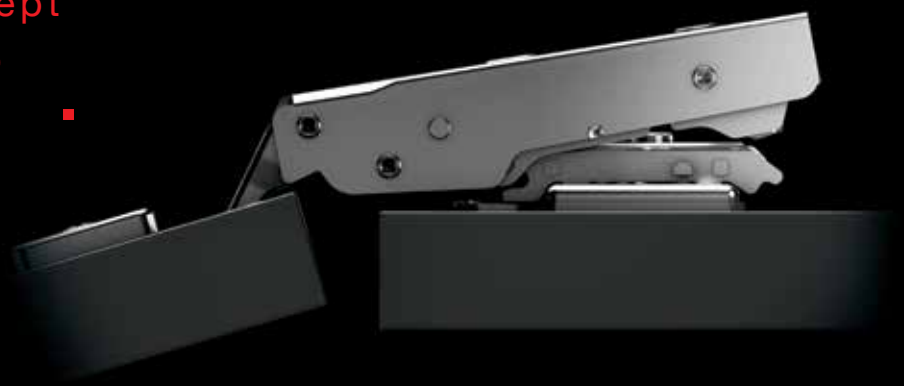
Turn your furniture into timeless pieces that will flawlessly perform a lifetime.

Despite official requirements by JIS (Japanese Standards) which requires 40,000 cycles, the Olympia hinge has cleared 5 times as many to ensure that you will always be able to open and close your doors without worry.
(The H360 successfully passed 100,000 private cycle test)





concept
03



Smooth assembly for a time-saving installation.

Using our original snap-on system for easy installation, the Olympia hinge can be installed by simply pushing it from the top. This simplifies the installation compared to a traditional front-first installation, especially in cases where multiple hinges are used.

One screwdriver for a one-handed 3D adjustment.

concept
04



Depth, vertical and horizontal adjustment screws are all located on top. This is made possible by the placement of our damper.

For standard doors (360)

Depth adjustment: +1.5mm, -2.5mm
Vertical adjustment: ±2.5mm
Overlay (Horizontal) adjustment: +0, -4mm

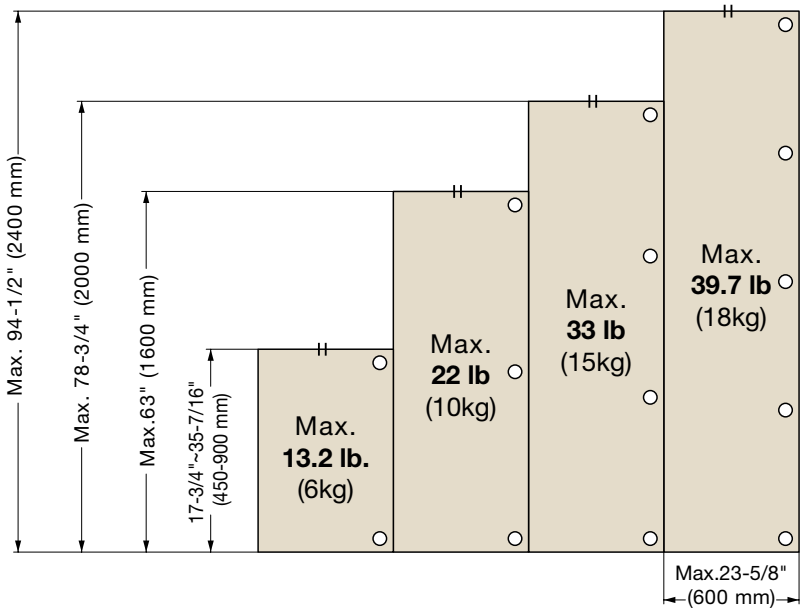
For thick doors (H360)

Depth adjustment: +1.7mm, -2.8mm
Vertical adjustment: ±2.5mm
Overlay (Horizontal) adjustment: +0, -4mm

HINGE QUANTITY (Recommended)

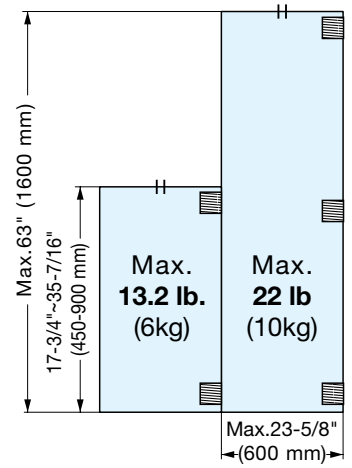
360 Olympia Hinge

■ Standard wood doors 360



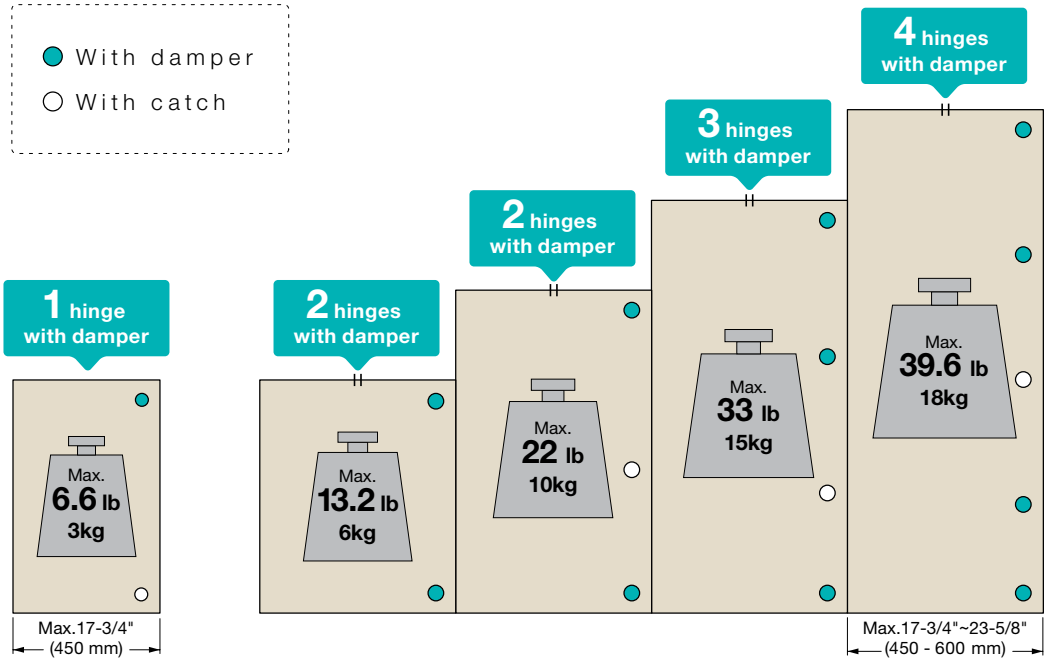
Door width	Door thickness	Material density	Installation pitch
Max. 23-5/8" (600 mm)	Max. 13/16" (20 mm)	Max. 0.6 mm	Min. 11 13/16" 300 mm

■ Glass doors
360 and GH-360FP



Glass thickness	Installation pitch
3/16~1/4" (4-6 mm)	Min. 11 13/16" (300 mm)

RECOMMENDED TYPE OF DAMPER PER INSTALLATION



• Please set the door center of gravity as the door center. • If you want to increase the door width, please increase the number of hinges accordingly. • Attach the upper and lower hinges within 100 mm from the edge of the door. When using three or more, install at regular intervals. • Figures shown in the tables above are only indicative. Please always test before finalizing your design. • Please contact us for any other configuration. • The dimensions of the door and the number of hinges mounted are the results of tests made according to the JIS standard. • All screw holes should be used.

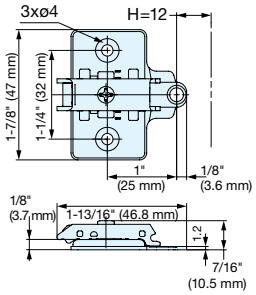
MOUNTING PLATES

RoHS compliant

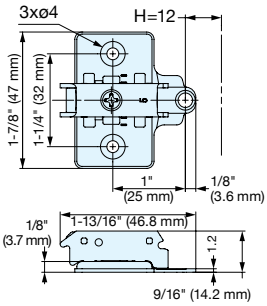
360-P4W-32T

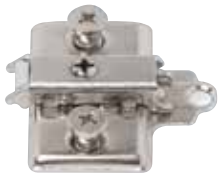


Standard



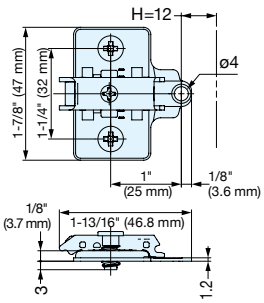
+5mm





screw size 6.5×12

Pre-mounted screw
(holes ø5, min. 8.5 depth)



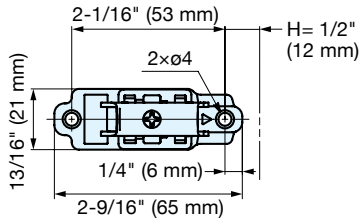
- Value of H for inset installation is "door thickness + 11/16" (17 mm)".
- When using with the GH-360FP, value of H is "door thickness + 3/4" (19 mm)"

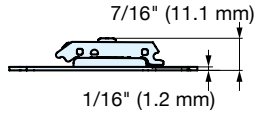
Item No	Type	Height Adjust	Material	Finish	Carton
360-P4W-32T	Standard	±1/8" (2.5 mm)	Steel	Nickel	400pcs
360-P4W-32T+5	+3/16" (5 mm)				
360-P4W-32T-DS	Pre-mounted screw				

MOUNTING PLATE (STRAIGHT TYPE)

360-P3W-53T







- The slim design gives a sleek look.
- When used with two H360 hinges, door specs should be:
  Door width Max 17-3/4" (450 mm)
  Door weight Max 15.4 lb (7 kg)

Item No.	Material	Finish	Weight (g)
360-P3W-53T	Steel	Nickel Plating	20

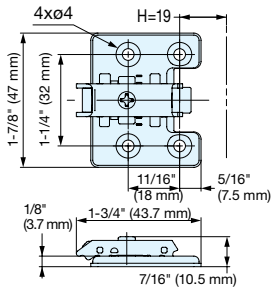
MOUNTING PLATES 4 HOLES

RoHS compliant

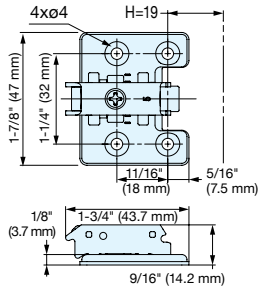
360-P6WT



Standard



+5mm



For the standard and +3/16" (5 mm) types:
- Value of H for inset installation is "door thickness + 15/16" (24 mm)".
- When using with the GH-360FP, value of H is "door thickness + 1" (26 mm)"

For the +5/16" (7.5 mm) type:
- Value of H for inset installation is "door thickness + 5/8" (16.5 mm)".
- When using with the GH-360FP, value of H is "door thickness + 3/4" (18.5 mm)".

Item No	Type	Height Adjust	Material	Finish	Carton
360-P6WT	Standard	±1/8" (2.5 mm)	Steel	Nickel	400pcs
360-P6WT+5	+3/16" (5 mm)				

CONCEALED HINGE WITH ADJUSTABLE SOFT-CLOSE RoHS compliant 360-26/C26/D26-19T/19T85

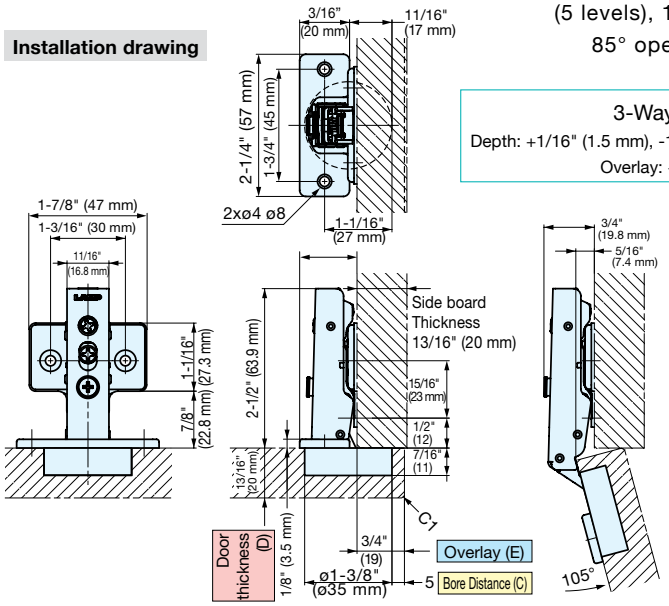
3/4" (19 mm overlay)



With damper function (5 levels), 105° and 85° opening

- Featuring 5-speed adjustable damper.
- Load capacity: 13.2 lbs (6 kg)/2 pcs, 22 lbs (10 kg)/3 pcs.
- Maximum door width: 23-5/8" (600 mm).
- Maximum door thickness: 13/16" (20 mm)
- Clip on type for easy installation.
- 3-way adjustment with door installed.
- Mounting plate sold separately.
- Successfully passed 200,000 cycles test.
- Face frame cabinet bracket (FFCB-HG-1) required to install 360 Olympia overlay hinge on face frame cabinets. 1 bracket per hinge needed.
- FFCB-HG-1 is sold separately per piece.

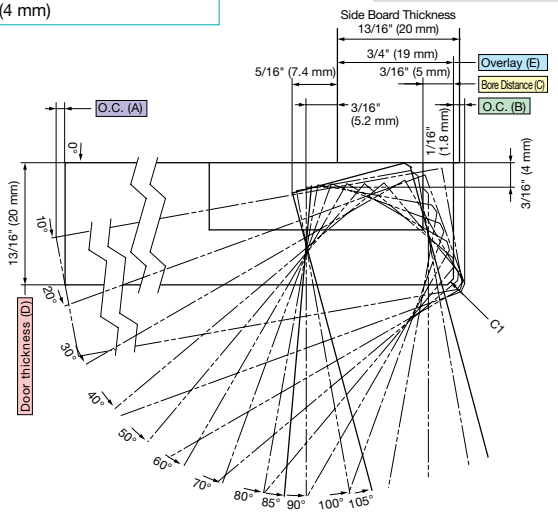
Installation drawing



3-Way adjustment

Depth: +1/16" (1.5 mm), -1/8" (2.5 mm), Vertical: ±1/8" (2.5 mm), Overlay: +0, -3/16" (4 mm)

Locus chart S=1/1



Drawings show a hinge, face plate and 360-P4W-30T mounting plate (sold separately).

Opening Clearance (O.C.)

Clearances for door edge O.C. (A) and hinge side O.C. (B) are necessary. O.C. (A) and (B) change depending on door thickness and bore distance (C). Refer to locus chart and tables below when designing cabinets.

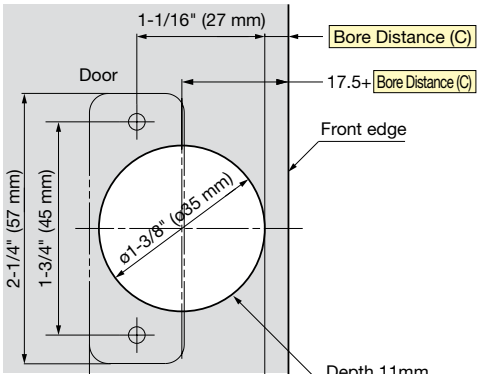
Opening clearance (B), door thickness (D) and bore distance (C) relationship

Door Thickness (D)	Bore Distance (C)		
	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)
9/16" (15 mm)	0.6	0.6	0.5
5/8" (16 mm)	0.8	0.8	0.7
11/16" (17 mm)	1.0	1.0	1.0
11/16" (18 mm)	1.3	1.3	1.2
3/4" (19 mm)	1.6	1.6	1.5
13/16" (20 mm)	2	1.9	1.8
13/16" (21 mm)*	2.4	2.3	2.2
7/8" (22 mm)*	2.8	2.7	2.6
	O.C. (B)		

• The table above shows O.C. (B) for C1 chamfering (chamfer plane).

* Please refer to the locus chart if door thickness is over 13/16" (20 mm). O.C. (B) can be made smaller by R chamfering (round chamfer) and C chamfering (chamfer plane) on the door.

Cut out dimensions (wooden doors)



Bore distance (C) and overlay (E) relationship

Bore Distance (C)	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)
Overlay (E)	11/16" (17 mm)	11/16" (18 mm)	3/4" (19 mm)

Overlay can be decreased by up to (4 mm) by turning the overlay adjustment screw.

Opening clearance (A) and door width relationship (for 25/32" (20 mm) thick door)

Door Width	11-13/16" (300 mm)	15-3/4" (400 mm)	19-11/16" (500 mm)	23-5/8" (600 mm)
O.C (A)	0.13	0.09	0.07	0.06

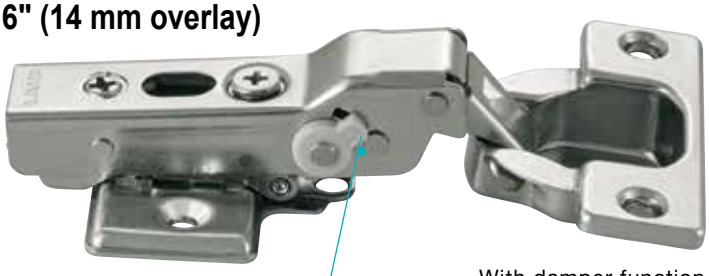
Item No	Opening angle	Type	Material	Finish	Carton (pcs)
360-D26-19T	105°	Soft close (5 levels)	Steel	Nickel	100
360-26-19T		Free swinging			200
360-C26-19T		Self-closing			
360-U26-19T		Self-opening			
360-D26-19T85	85°	Soft close (5 levels)			100
360-26-19T85		Free swinging			200
360-C26-19T85		Self-closing			

CONCEALED HINGE WITH ADJUSTABLE SOFT-CLOSE

RoHS compliant

360-26/C26/D26/U26-14T/14T85

9/16" (14 mm overlay)



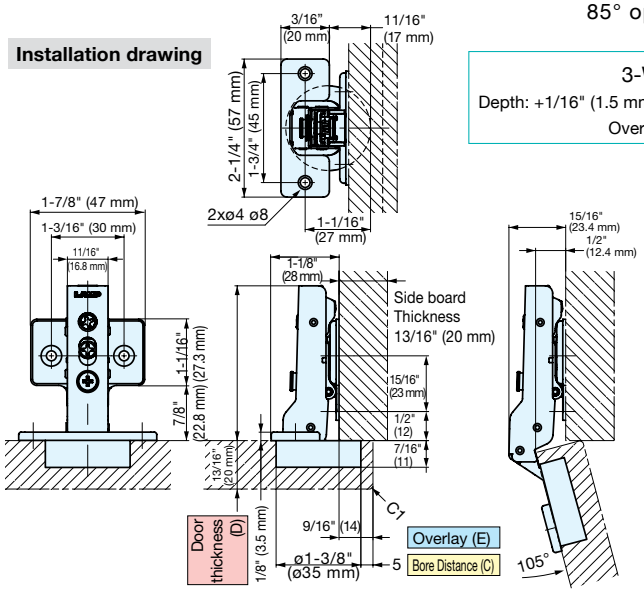
5-speed damper power adjustment lever

With damper function (5 levels), 105° and 85° opening

- Featuring 5-speed adjustable damper.
- Load capacity: 13.2 lbs (6 kg)/2 pcs, 22 lbs (10 kg)/3 pcs.
- Maximum door width: 23-5/8" (600 mm).
- Maximum door thickness: 13/16" (20 mm)
- Clip on type for easy installation.
- 3-way adjustment with door installed.
- Mounting plate sold separately.
- Successfully passed 200,000 cycles test.
- Face frame cabinet bracket (FFCB-HG-1) required to install 360 Olympia overlay hinge on face frame cabinets. 1 bracket per hinge needed.
- FFCB-HG-1 is sold separately per piece.

OLYMPIA 360 POWERED BY Lapcon

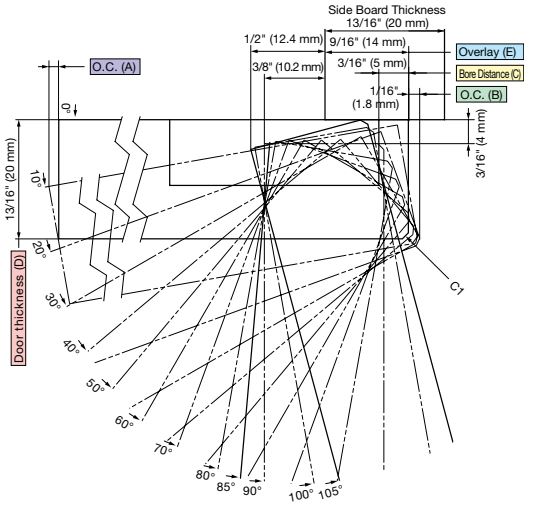
Installation drawing



3-Way adjustment

Depth: +1/16" (1.5 mm), -1/8" (2.5 mm), Vertical: ±1/8" (2.5 mm), Overlay: +0, -3/16" (4 mm)

Locus chart S≒1/1



Drawings show a hinge, face plate and 360-P4W-30T mounting plate (sold separately).

Opening Clearance (O.C.)

Clearances for door edge O.C. (A) and hinge side O.C. (B) are necessary. O.C. (A) and (B) change depending on door thickness and bore distance (C). Refer to locus chart and tables below when designing cabinets.

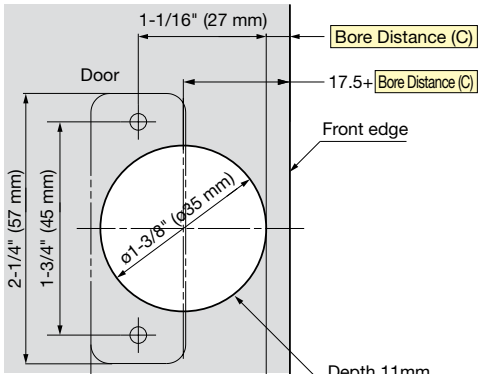
Opening clearance (B), door thickness (D) and bore distance (C) relationship

Door Thickness (D)	Bore Distance (C)		
	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)
9/16" (15 mm)	0.6	0.6	0.5
5/8" (16 mm)	0.8	0.8	0.7
11/16" (17 mm)	1.0	1.0	1.0
11/16" (18 mm)	1.3	1.3	1.2
3/4" (19 mm)	1.6	1.6	1.5
13/16" (20 mm)	2	1.9	1.8
13/16" (21 mm)*	2.4	2.3	2.2
7/8" (22 mm)*	2.8	2.7	2.6
	O.C. (B)		

• The table above shows O.C. (B) for C1 chamfering (chamfer plane).

* Please refer to the locus chart if door thickness is over 13/16" (20 mm). O.C. (B) can be made smaller by R chamfering (round chamfer) and C chamfering (chamfer plane) on the door.

Cut out dimensions (wooden doors)



Bore distance (C) and overlay (E) relationship

Bore Distance (C)	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)
Overlay (E)	15/32" (12 mm)	1/2" (13 mm)	9/16" (14 mm)

Overlay can be decreased by up to (4 mm) by turning the overlay adjustment screw.

Opening clearance (A) and door width relationship (for 25/32" (20 mm) thick door)

Door Width	11-13/16" (300 mm)	15-3/4" (400 mm)	19-11/16" (500 mm)	23-5/8" (600 mm)
O.C (A)	0.13	0.09	0.07	0.06

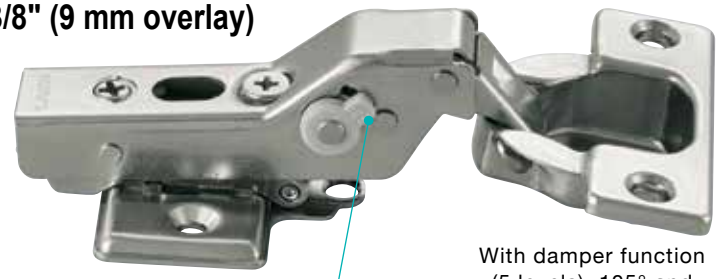
Item No	Opening angle	Type	Material	Finish	Carton (pcs)
360-D26-14T	105°	Soft close (5 levels)	Steel	Nickel	100
360-26-14T		Free swinging			200
360-C26-14T		Self-closing			
360-U26-14T		Self-opening			
360-D26-14T85	85°	Soft close (5 levels)			100
360-26-14T85		Free swinging			200
360-C26-14T85		Self-closing			

CONCEALED HINGE WITH ADJUSTABLE SOFT-CLOSE

RoHS compliant

360-26/C26/D26/U26-9T/9T85

3/8" (9 mm overlay)



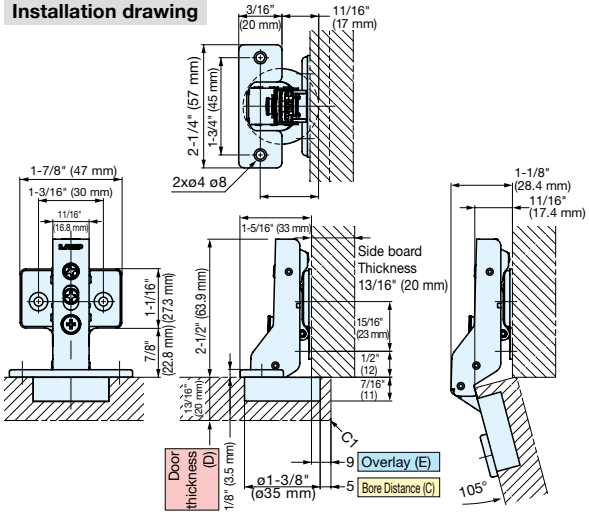
5-speed damper power adjustment lever

With damper function (5 levels), 105° and 85° opening

- Featuring 5-speed adjustable damper.
- Load capacity: 13.2 lbs (6 kg)/2 pcs, 22 lbs (10 kg)/3 pcs.
- Maximum door width: 23-5/8" (600 mm).
- Maximum door thickness: 13/16" (20 mm)
- Clip on type for easy installation.
- 3-way adjustment with door installed.
- Mounting plate sold separately.
- Successfully passed 200,000 cycles test.
- Face frame cabinet bracket (FFCB-HG-1) required to install 360 Olympia overlay hinge on face frame cabinets. 1 bracket per hinge needed.
- FFCB-HG-1 is sold separately per piece.

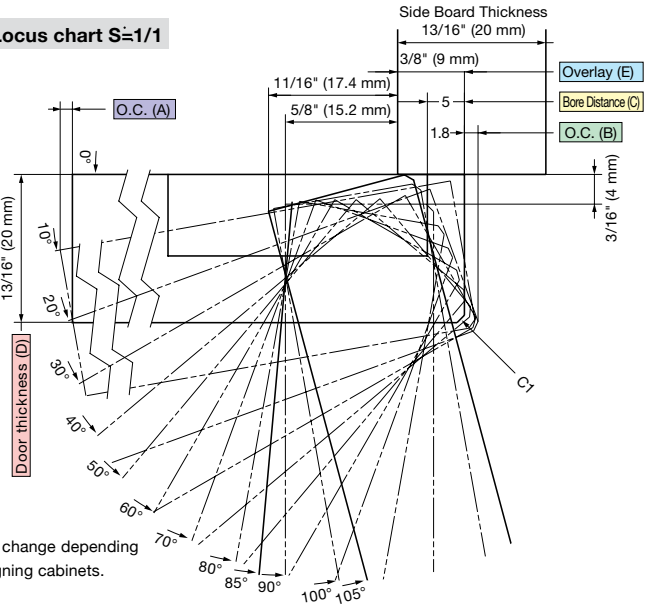
OLYMPIA 360 POWERED BY Lapcon

Installation drawing



Drawings show a hinge, face plate and 360-P4W-30T mounting plate (sold separately).

Locus chart S=1/1



Opening Clearance (O.C.)

Clearances for door edge O.C. (A) and hinge side O.C. (B) are necessary. O.C. (A) and (B) change depending on door thickness and bore distance (C). Refer to locus chart and tables below when designing cabinets.

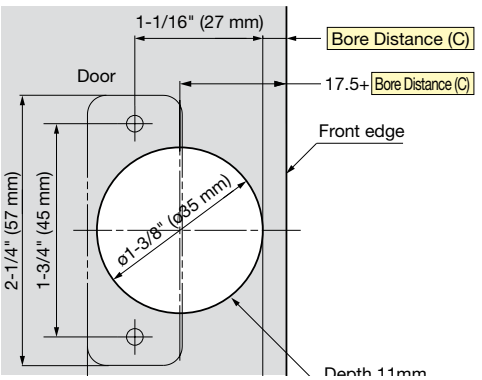
Opening clearance (B), door thickness (D) and bore distance (C) relationship

Door Thickness (D)	Bore Distance (C)		
	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)
9/16" (15 mm)	0.6	0.6	0.5
5/8" (16 mm)	0.8	0.8	0.7
11/16" (17 mm)	1.0	1.0	1.0
11/16" (18 mm)	1.3	1.3	1.2
3/4" (19 mm)	1.6	1.6	1.5
13/16" (20 mm)	2	1.9	1.8
13/16" (21 mm)*	2.4	2.3	2.2
7/8" (22 mm)*	2.8	2.7	2.6
	O.C. (B)		

• The table above shows O.C. (B) for C1 chamfering (chamfer plane).

* Please refer to the locus chart if door thickness is over 13/16" (20 mm). O.C. (B) can be made smaller by R chamfering (round chamfer) and C chamfering (chamfer plane) on the door.

Cut out dimensions (wooden doors)



Bore distance (C) and overlay (E) relationship

Bore Distance (C)	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)
Overlay (E)	9/32" (7 mm)	5/16" (8 mm)	11/32" (9 mm)

Overlay can be decreased by up to (4 mm) by turning the overlay adjustment screw.

Opening clearance (A) and door width relationship (for 25/32" (20 mm) thick door)

Door Width	11-13/16" (300 mm)	15-3/4" (400 mm)	19-11/16" (500 mm)	23-5/8" (600 mm)
O.C (A)	0.13	0.09	0.07	0.06

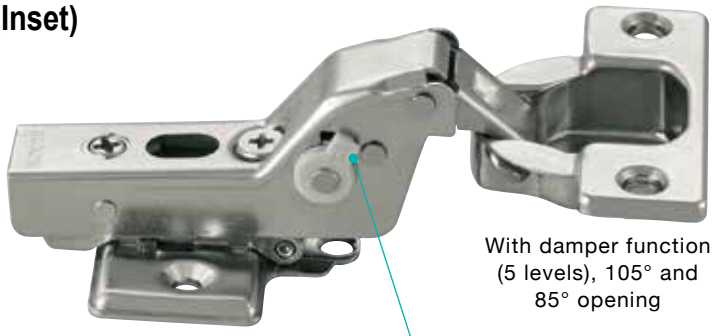
Item No	Opening angle	Type	Material	Finish	Carton (pcs)
360-D26-9T	105°	Soft close (5 levels)	Steel	Nickel	100
360-26-9T		Free swinging			200
360-C26-9T		Self-closing			
360-U26-9T		Self-opening			
360-D26-9T85	85°	Soft close (5 levels)			100
360-26-9T85		Free swinging			200
360-C26-9T85		Self-closing			

CONCEALED HINGE WITH ADJUSTABLE SOFT-CLOSE

RoHS compliant

360-26/C26/D26/U26-OT

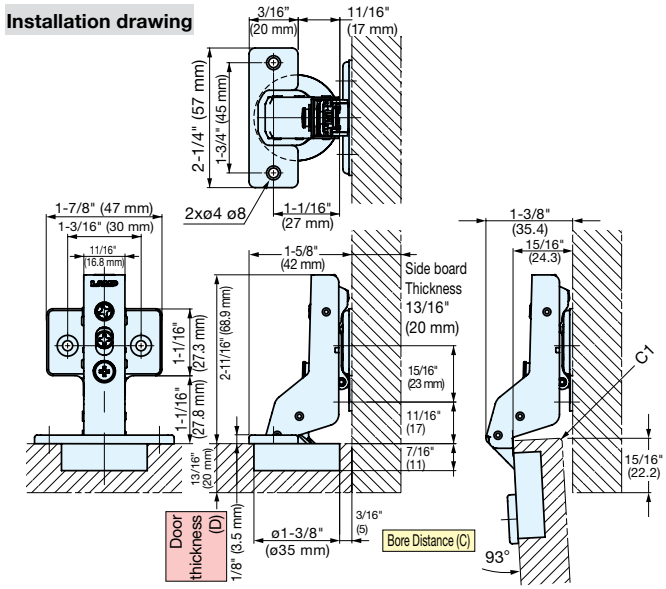
(Inset)



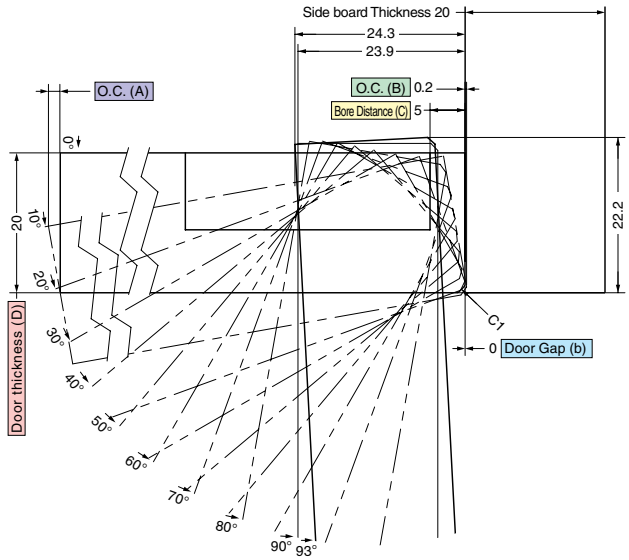
- Featuring 5-speed adjustable damper.
- Load capacity: 13.2 lbs (6 kg)/2 pcs, 22 lbs (10 kg)/3 pcs.
- Maximum door width: 23-5/8" (600 mm).
- Maximum door thickness: 13/16" (20 mm)
- Clip on type for easy installation.
- 3-way adjustment with door installed.
- Mounting plate sold separately.
- Successfully passed 200,000 cycles test.
- Face frame cabinet bracket (FFCB-HG-1) not designed to work with Olympia inset hinge.

OLYMPIA 360 POWERED BY Lapcon

Installation drawing



Locus chart S=1/1



Drawings show a hinge, face plate and 360-P4W-30T mounting plate (sold separately).

Opening Clearance (O.C.)

Clearances for door edge O.C. (A) and hinge side O.C. (B) are necessary. O.C. (A) and (B) change depending on door thickness and bore distance (C). Refer to locus chart and tables below when designing cabinets.

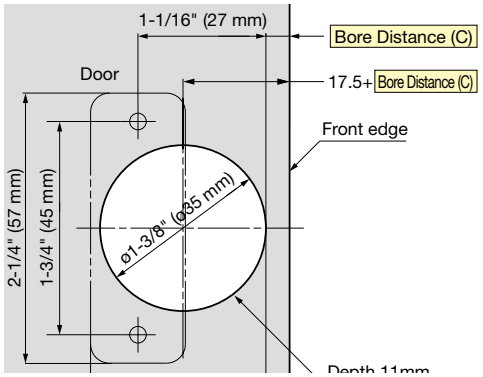
Opening clearance (B), door thickness (D) and bore distance (C) relationship

Door Thickness (D)	Bore Distance (C)		
	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)
9/16" (15 mm)	0	0	0
5/8" (16 mm)	0	0	0
11/16" (17 mm)	0	0	0
11/16" (18 mm)	0	0	0
3/4" (19 mm)	0.1	0.1	0.1
13/16" (20 mm)	0.3	0.3	0.2
13/16" (21 mm)*	0.5	0.4	0.4
7/8" (22 mm)*	1.0	0.7	0.7
	O.C. (B)		

• The table above shows O.C. (B) for C1 chamfering (chamfer plane).

* Please refer to the locus chart if door thickness is over 13/16" (20 mm). O.C. (B) can be made smaller by R chamfering (round chamfer) and C chamfering (chamfer plane) on the door.

Cut out dimensions (wooden doors)



Bore distance (C) and overlay (E) relationship

Bore Distance (C)	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)
Overlay (E)	9/32" (7 mm)	5/16" (8 mm)	11/32" (9 mm)

Overlay can be decreased by up to (4 mm) by turning the overlay adjustment screw.

Opening clearance (A) and door width relationship (for 25/32" (20 mm) thick door)

Door Width	11-13/16" (300 mm)	15-3/4" (400 mm)	19-11/16" (500 mm)	23-5/8" (600 mm)
O.C (A)	0.13	0.09	0.07	0.06

Item No	Opening angle	Type	Material	Finish	Carton (pcs)
360-D26-0T	93°	Soft close (5 levels)	Steel	Nickel	100
360-26-0T		Free swinging			200
360-C26-0T		Self-closing			
360-U26-0T		Self-opening			

GLASS DOOR FACE PLATE for Olympia Hinge GH-360FP


GH-360FP-CR

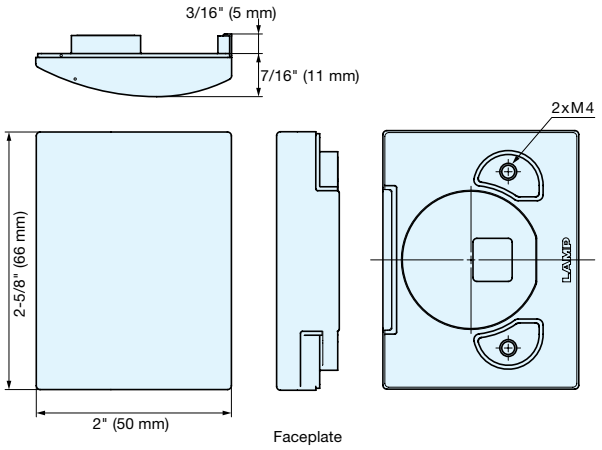

GH-360FP-SN


GH-360FP-GP

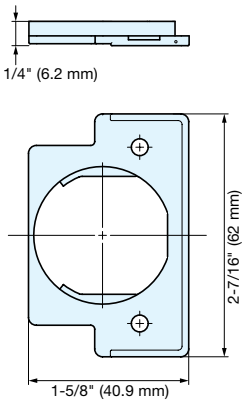

GH-360FP-BL

- Glass door face plate designed specifically for the Olympia hinge. (Not suitable for the H360 hinge).
- For tempered glass doors.

Item No.	Finish / Color	Material
GH-360FP-CR	Chrome Plating	Zinc Alloy (ZDC) Polyacetal (POM)
GH-360FP-SN	Satin Nickel	
GH-360FP-GP	24K Gold Plating	
GH-360FP-BL	Black	



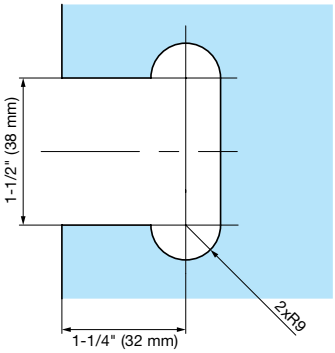
Faceplate



Socket spacer

Cut Out Dimensions

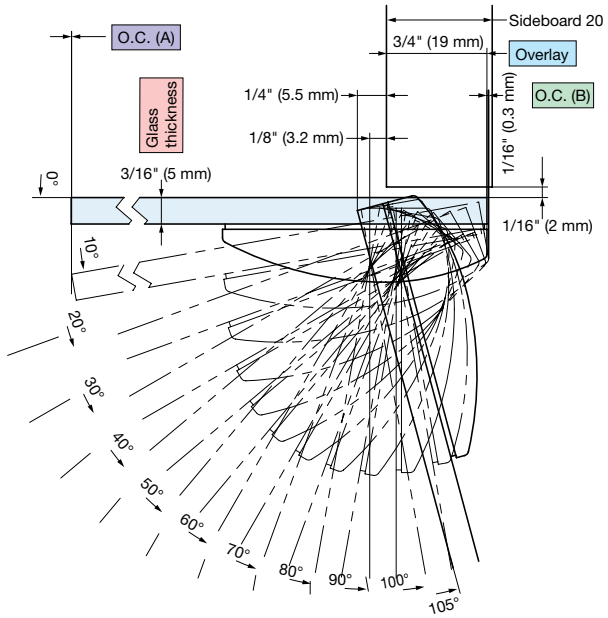
- Please use 3/16"-1/4" (4-6mm) tempered glass.
- Use of shatterproof film is recommended.



Side board and face plate relationship

▶ For a 3/16" (5 mm) door, 13/16" (20 mm) sideboard and 3/4" (19 mm) overlay.

Locus chart S≒7/10 Overlay (3/4" (19 mm)



Opening clearance (O.C.)

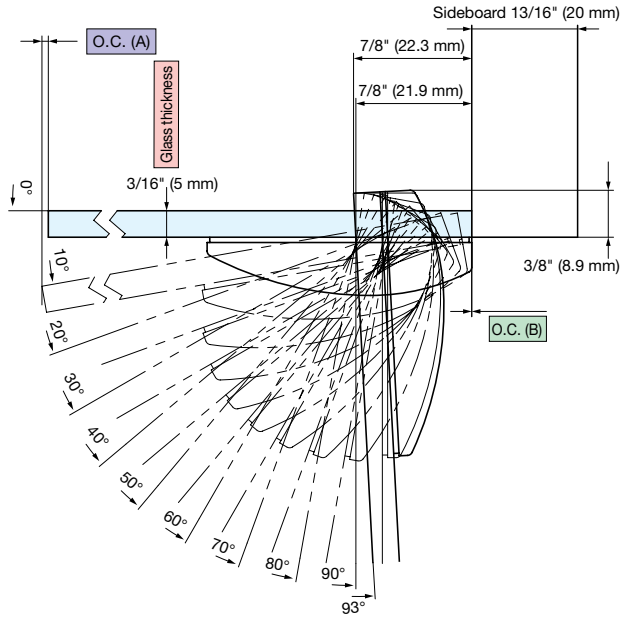
Glass thickness	3/16" (4 mm)	3/16" (5 mm)	1/4" (6 mm)
O.C. (B)	0.2	0.3	0.5

Opening clearance (A) and door width relationship (for 3/16" (5mm) door)

Glass width	11-13/16" (300 mm)	15-3/4" (400 mm)	19-11/16" (500 mm)	23-5/8" (600 mm)
O.C. (A)	0.07	0.05	0.04	0.03

▶ For a 3/16" (5 mm) door, 13/16" (20 mm) sideboard and inset installation.

Locus chart S≒7/10 Inset



Opening clearance (O.C.)

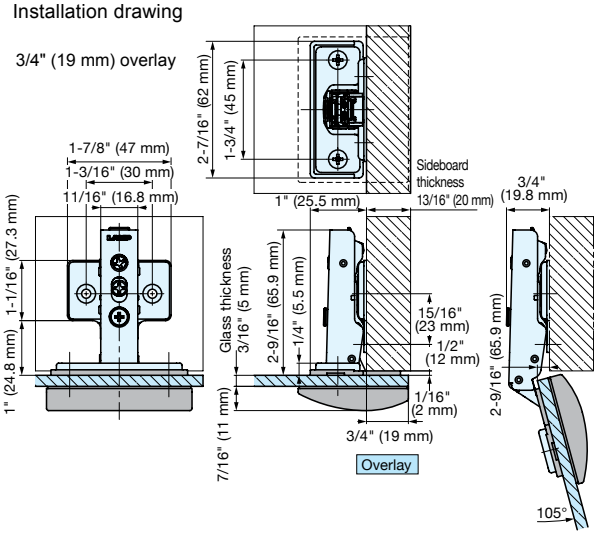
Glass thickness	3/16" (4 mm)	3/16" (5 mm)	1/4" (6 mm)
O.C. (B)	0	0	0

Opening clearance (A) and door width relationship (for 3/16" (5mm) door)

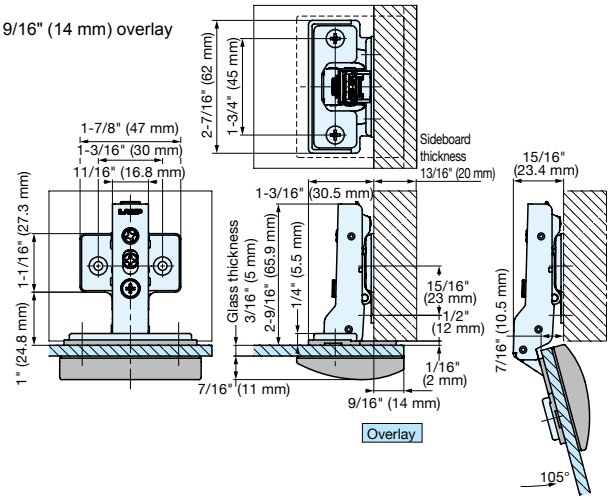
Glass width	11-13/16" (300 mm)	15-3/4" (400 mm)	19-11/16" (500 mm)	23-5/8" (600 mm)
O.C. (A)	0.34	0.25	0.19	0.16

Installation drawing

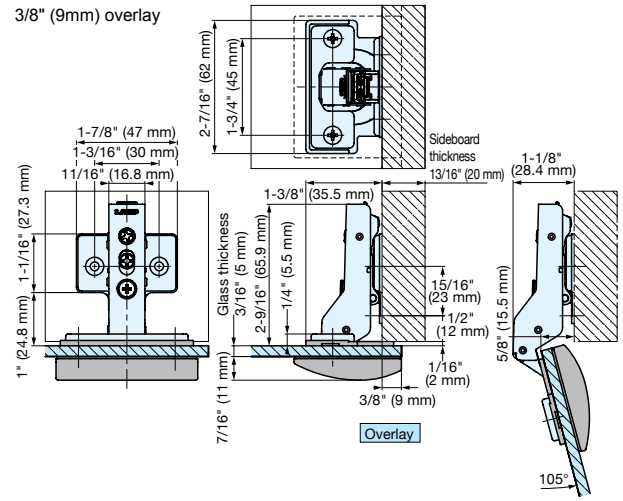
3/4" (19 mm) overlay



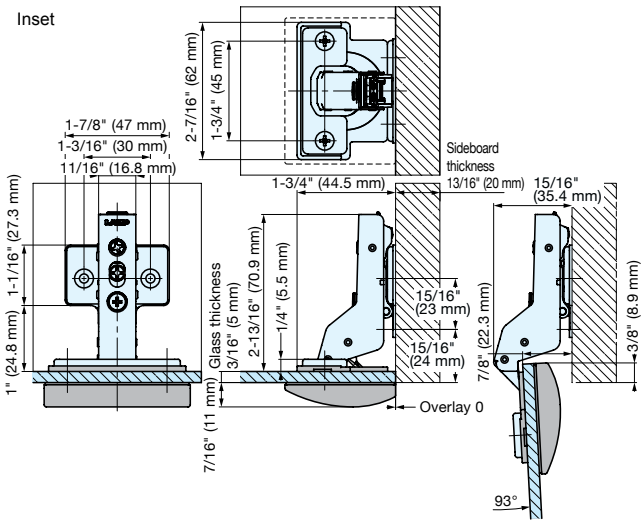
9/16" (14 mm) overlay



3/8" (9mm) overlay



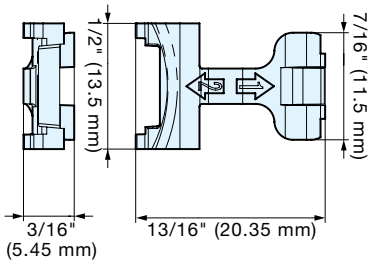
Inset



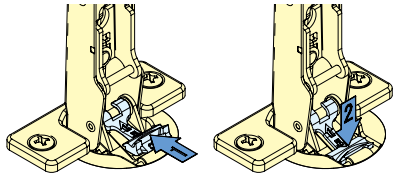
Drawings show a hinge, face plate and 360-P4W-30T mounting plate (sold separately).

85°ANGLE LIMITER — 360-85





How to Use



- Can be retrofitted to a 105°opening Olympia hinge (standard door) to limit the opening angle to 85°.

INSTALLATION JIG — 360-JIG



- For easy installation and alignment of the Olympia hinge mounting plate.
- Cannot be used in combination with 360-P6W32-32T and pre-mounted screw mounting plates.

BODY COVERS Hides screws for a sleek look

360HC-19H26-NI
3/4" and 1" (19 and 26 mm OVERLAY)



• Available Hinge
360: 3/4" (19 mm overlay type)
H360: 1" (26 mm overlay type)

360HC-9H16-NI
3/8" and 5/8" (9 and 16 mm OVERLAY)



• Available Hinge
360: 3/8" (9 mm overlay type)
H360 5/8" (16 mm overlay type)

360HC-0H0-NI
(INSET)



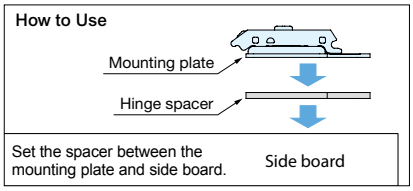
• Available Hinge
360 (inset type)
H360 (inset type)

Item No.	Material	Finish	Weight (g)
360HC-19H26-NI	Steel	Nickel Plating	2.6
360HC-9H16-NI			2.2
360HC-0H0-NI			2.7

HINGE SPACERS

360-DP2-P4 1/16" (2 mm) Thick for 2 Holes / OLYMPIA Series



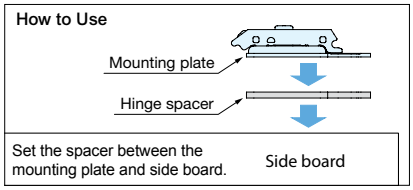


• Decreases overlay of outset doors by 1/16" (2 mm).
• Increases clearance of inset doors by 1/16" (2 mm).
• Can be doubled for 3/16" (4 mm) thickness.
• Available Mounting Plate:
360-P4W-30T
360-P4W-30T+5
360-P4W-32T
360-P4W-32T+5

Item Name	Material	Color	Weight (g)	Box (pcs)	Carton (pcs)
360-DP2-P4	POM	Grey	2.6	50	500

360-DP2-P6 1/16" (2 mm) Thick for 4 Holes / OLYMPIA Series



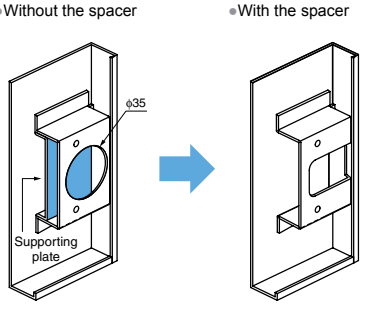


• Decreases overlay of outset doors by 1/16" (2 mm).
• Increases clearance of inset doors by 1/16" (2 mm).
• Can be doubled for 3/16" (4 mm) thickness.
• Available Mounting Plate:
360-P6WT
360-P6WT+5

Item No	Material	Color	Weight (g)	Box (pcs)	Carton (pcs)
360-DP2-P6	POM	Grey	2.9	50	500

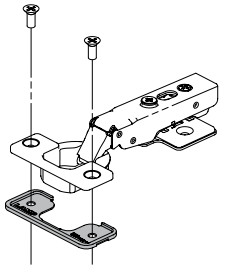
SHEET METAL SPACER 360-BCS

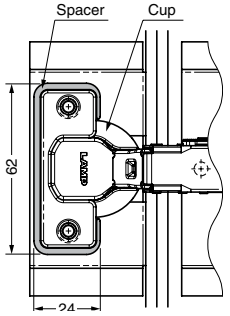




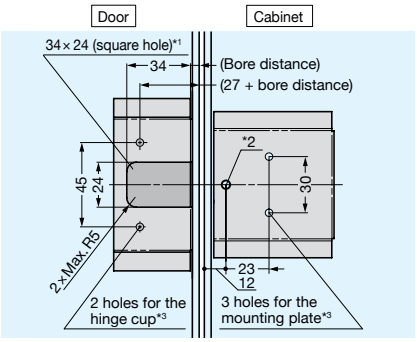
Supporting plates are required at the depth of 11 mm below the hinge cup.

No supporting plates are needed.





• Allows for easier mount on sheet metal of the Olympia hinges. (Cup diameter: 1-3/8" (35 mm)



*1: No supporting plates for hinge cups are needed.
*2: Please process chamfering on the holes. (ø 5.1)
*3: Female threading is required including nut welding and burring process. (Recommended size: M4)

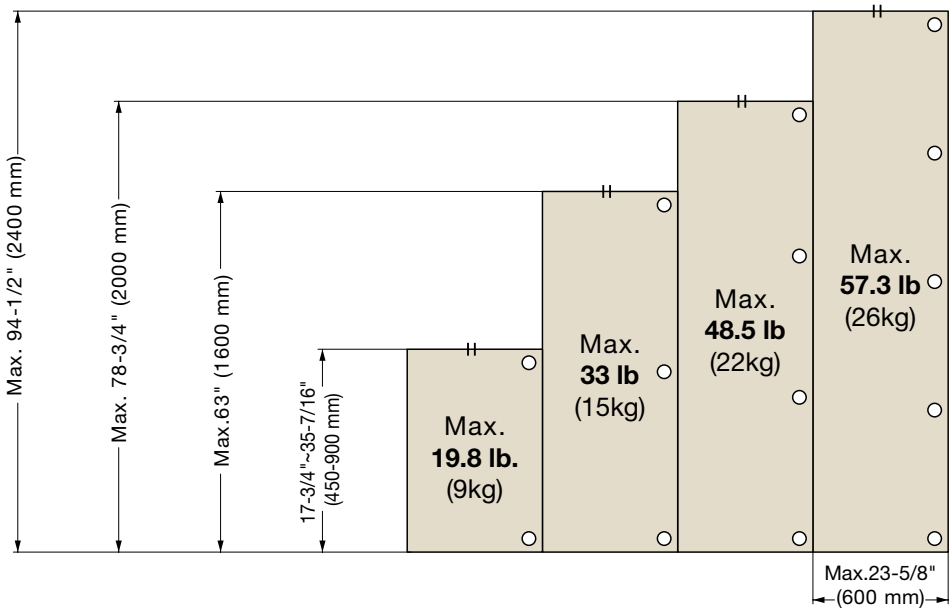
Item No	Material	Box (pcs)
360-BCS	POM	500

HINGE QUANTITY (Recommended)

H360 THICK DOOR HINGES

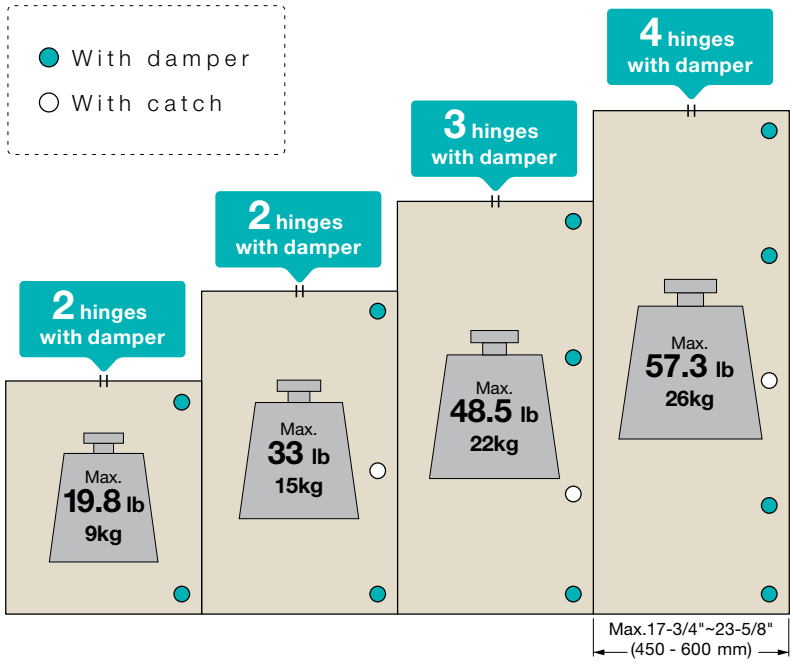
OLYMPIA 360 POWERED BY Lapcon

■ Thick wood doors H360



Door width	Door thickness	Material density	Installation pitch
Max. 23-5/8" (600 mm)	Max. 1-3/16" (30 mm)	Max. 0.6 mm	Min. 11-13/16" (300 mm)

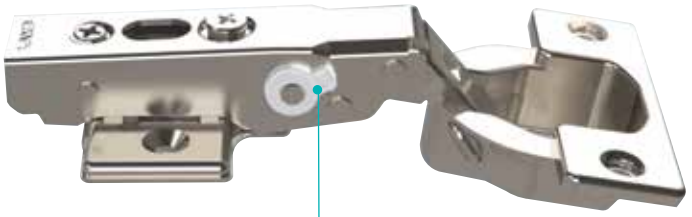
RECOMMENDED TYPE OF DAMPER PER INSTALLATION



• Please set the door center of gravity as the door center. • If you want to increase the door width, please increase the number of hinges accordingly. • Attach the upper and lower hinges within 100 mm from the edge of the door. When using three or more, install at regular intervals. • Figures shown in the tables above are only indicative. Please always test before finalizing your design. • Please contact us for any other configuration. • The dimensions of the door and the number of hinges mounted are the results of tests made according to the JIS standard. • All screw holes should be used.

THICK DOOR CONCEALED HINGE WITH ADJUSTABLE SOFT-CLOSE H360-26/C26/D26-26T

1" (26 mm overlay)

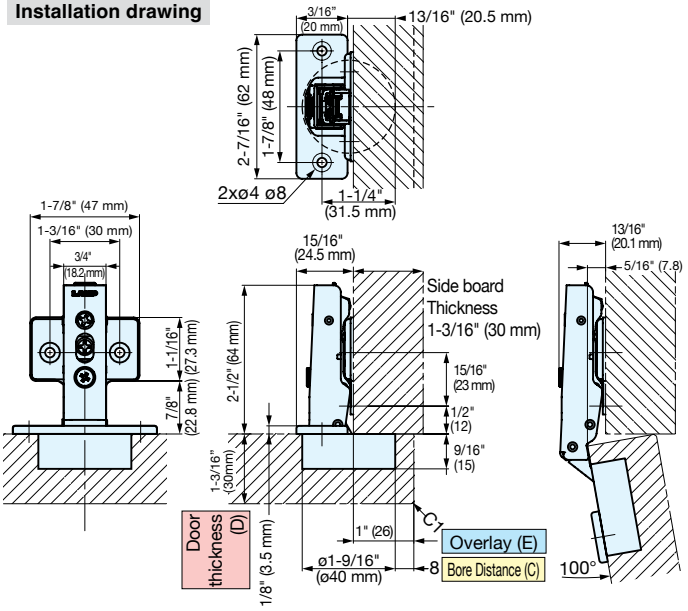


FOR THICK DOORS,
With damper function
(5 levels), 100° opening

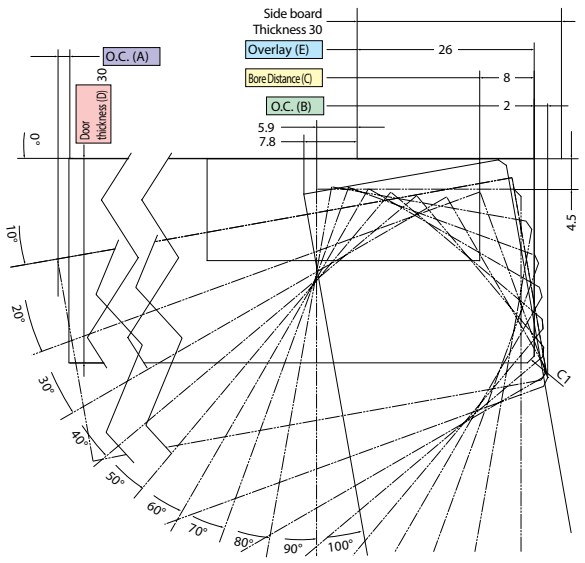
- Featuring 5-speed adjustable damper.
- Load capacity: 19.8 lbs (9 kg)/2 pcs, 33 lbs (15 kg)/3 pcs.
- Maximum door width: 23-5/8" (600 mm).
- Maximum door thickness: 1-3/16" (30 mm)
- Clip on type for easy installation.
- 3-way adjustment with door installed.
- Mounting plate sold separately.
- Successfully passed 200,000 cycles test.

OLYMPIA 360 POWERED BY Lapcon

Installation drawing



Locus chart S=1/1



Drawings show a hinge, face plate and 360-P4W-30T mounting plate (sold separately).

Opening Clearance (O.C.)

Clearances for door edge O.C. (A) and hinge side O.C. (B) are necessary. O.C. (A) and (B) change depending on door thickness and bore distance (C). Refer to locus chart and tables below when designing cabinets.

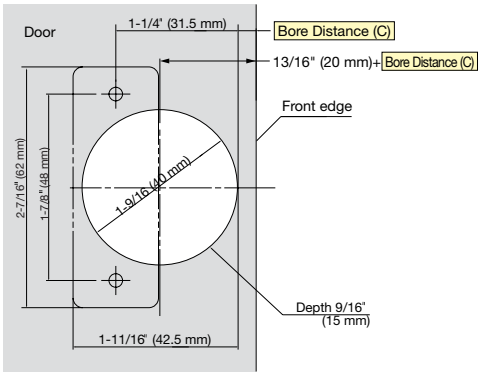
Opening clearance (B), door thickness (D) and bore distance (C) relationship

Door Thickness (D)	Bore Distance (C)					
	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)	1/4" (6 mm)	1/4" (7 mm)	5/16" (8 mm)
11/16" (18 mm)	0.1	0.1	0.1	0.1	0.1	0.1
13/16" (20 mm)	0.3	0.3	0.3	0.3	0.3	0.3
7/8" (22 mm)	0.5	0.5	0.5	0.5	0.5	0.5
15/16" (24 mm)	1/16" (0.8 mm)	1/16" (0.8 mm)	1/16" (0.8 mm)	1/16" (0.8 mm)	1/16" (0.8 mm)	1/16" (0.8 mm)
1" (26 mm)	1/16" (1.3 mm)	1/16" (1.2 mm)	1/16" (1.2 mm)	1/16" (1.1 mm)	1/16" (1.1 mm)	1/16" (1.1 mm)
1-1/8" (28 mm)	1/8" (3.6 mm)	1/8" (2.6 mm)	1/16" (1.6 mm)	1/16" (1.6 mm)	1/16" (1.5 mm)	1/16" (1.5 mm)
1-3/16" (30 mm)	1/4" (6 mm)	3/16" (5 mm)	3/16" (4 mm)	1/8" (3 mm)	1/16" (2.1 mm)	1/16" (2 mm)
1-1/4" (32 mm)*	5/16" (8.4 mm)	5/16" (7.4 mm)	1/4" (6.4 mm)	3/16" (5.4 mm)	3/16" (4.4 mm)	1/8" (3.4 mm)
1-5/16" (34 mm)*	7/16" (10.8 mm)	3/8" (9.8 mm)	3/8" (8.8 mm)	5/16" (7.8 mm)	1/4" (6.8 mm)	1/4" (5.8 mm)
	O.C. (B)					

• The table above shows O.C. (B) for C1 chamfering (chamfer plane).

* Please refer to the locus chart if door thickness is over 1-3/16" (30 mm). O.C. (B) can be made smaller by R chamfering (round chamfer) and C chamfering (chamfer plane) on the door.

Cut out dimensions (wooden doors)



Bore distance (C) and overlay (E) relationship

Bore Distance (C)	1/8" (3 mm)	5/32" (4 mm)	3/16" (5 mm)	1/4" (6 mm)	9/32" (7 mm)	5/16" (8 mm)
Overlay (E)	27/32" (21 mm)	7/8" (22 mm)	29/32" (23 mm)	15/16" (24 mm)	31/32" (25 mm)	1-1/32" (26 mm)

Overlay can be decreased by up to (4 mm) by turning the overlay adjustment screw.

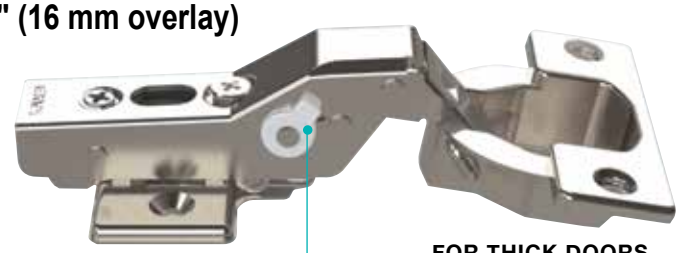
Opening clearance (A) and door width relationship (for 1-3/16" (30 mm) thick door)

Door Width	11-13/16" (300 mm)	15-3/4" (400 mm)	19-11/16" (500 mm)	23-5/8" (600 mm)
O.C (A)	0.35	0.25	0.19	0.16

Item No	Opening angle	Type	Material	Finish	Carton
H360-D26-26T	100°	Soft close (5 levels)	Steel	Nickel	100pcs
H360-26-26T		Free swinging			
H360-C26-26T		Self-closing			

THICK DOOR CONCEALED HINGE WITH ADJUSTABLE SOFT-CLOSE H360-16/C16/D16

5/8" (16 mm overlay)

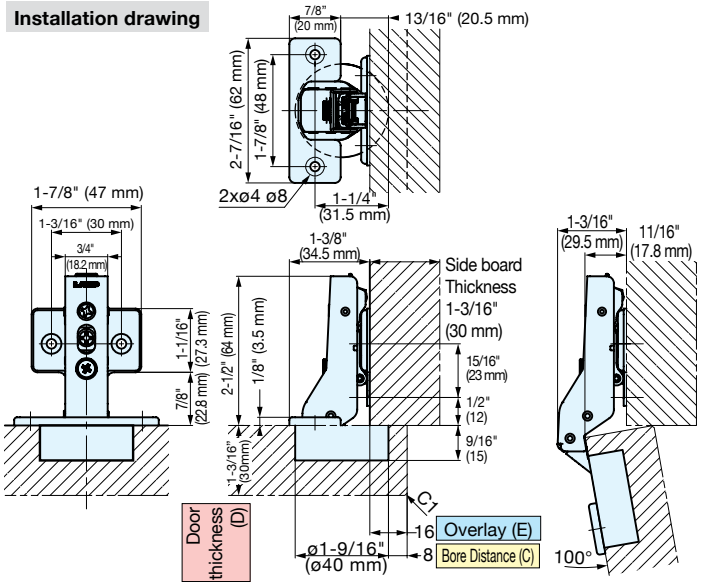


FOR THICK DOORS,
With damper function
(5 levels), 100° opening

- Featuring 5-speed adjustable damper.
- Load capacity: 19.8 lbs (9 kg)/2 pcs, 33 lbs (15 kg)/3 pcs.
- Maximum door width: 23-5/8" (600 mm).
- Maximum door thickness: 1-3/16" (30 mm)
- Clip on type for easy installation.
- 3-way adjustment with door installed.
- Mounting plate sold separately.
- Successfully passed 200,000 cycles test.

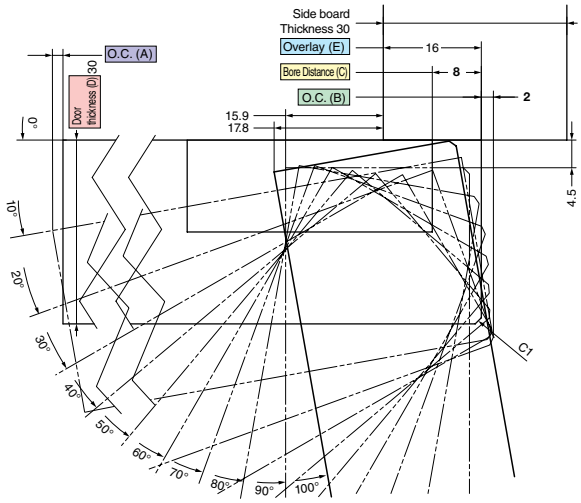
OLYMPIA 360 POWERED BY Lapcon

Installation drawing



Drawings show a hinge, face plate and 360-P4W-30T mounting plate (sold separately).

Locus chart S=1/1



Opening Clearance (O.C.)

Clearances for door edge O.C. (A) and hinge side O.C. (B) are necessary. O.C. (A) and (B) change depending on door thickness and bore distance (C). Refer to locus chart and tables below when designing cabinets.

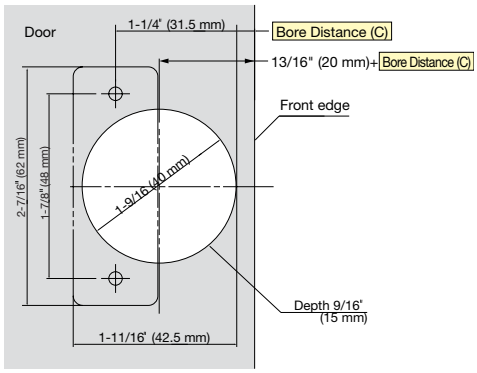
Opening clearance (B), door thickness (D) and bore distance (C) relationship

Door Thickness (D)	Bore Distance (C)					
	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)	1/4" (6 mm)	1/4" (7 mm)	5/16" (8 mm)
11/16" (18 mm)	0.1	0.1	0.1	0.1	0.1	0.1
13/16" (20 mm)	0.3	0.3	0.3	0.3	0.3	0.3
7/8" (22 mm)	0.5	0.5	0.5	0.5	0.5	0.5
15/16" (24 mm)	1/16" (0.8 mm)	1/16" (0.8 mm)	1/16" (0.8 mm)	1/16" (0.8 mm)	1/16" (0.8 mm)	1/16" (0.8 mm)
1" (26 mm)	1/16" (1.3 mm)	1/16" (1.2 mm)	1/16" (1.2 mm)	1/16" (1.1 mm)	1/16" (1.1 mm)	1/16" (1.1 mm)
1-1/8" (28 mm)	1/8" (3.6 mm)	1/8" (2.6 mm)	1/16" (1.6 mm)	1/16" (1.6 mm)	1/16" (1.5 mm)	1/16" (1.5 mm)
1-3/16" (30 mm)	1/4" (6 mm)	3/16" (5 mm)	3/16" (4 mm)	1/8" (3 mm)	1/16" (2.1 mm)	1/16" (2 mm)
1-1/4" (32 mm)*	5/16" (8.4 mm)	5/16" (7.4 mm)	1/4" (6.4 mm)	3/16" (5.4 mm)	3/16" (4.4 mm)	1/8" (3.4 mm)
1-5/16" (34 mm)*	7/16" (10.8 mm)	3/8" (9.8 mm)	3/8" (8.8 mm)	5/16" (7.8 mm)	1/4" (6.8 mm)	1/4" (5.8 mm)
	O.C. (B)					

• The table above shows O.C. (B) for C1 chamfering (chamfer plane).

* Please refer to the locus chart if door thickness is over 1-3/16" (30 mm). O.C. (B) can be made smaller by R chamfering (round chamfer) and C chamfering (chamfer plane) on the door.

Cut out dimensions (wooden doors)



Bore distance (C) and overlay (E) relationship

Bore Distance (C)	1/8" (3 mm)	5/32" (4 mm)	3/16" (5 mm)	1/4" (6 mm)	9/32" (7 mm)	5/16" (8 mm)
Overlay (E)	7/16" (11 mm)	15/32" (12 mm)	1/2" (13 mm)	9/16" (14 mm)	19/32" (15 mm)	5/8" (16 mm)

Overlay can be decreased by up to (4 mm) by turning the overlay adjustment screw.

Opening clearance (A) and door width relationship (for 1-3/16" (30 mm) thick door)

Door Width	11-13/16" (300 mm)	15-3/4" (400 mm)	19-11/16" (500 mm)	23-5/8" (600 mm)
O.C (A)	0.35	0.25	0.19	0.16

Item No	Opening angle	Type	Material	Finish	Carton
H360-D26-16T	100°	Soft close (5 levels)	Steel	Nickel	100pcs
H360-26-16T		Free swinging			
H360-C26-16T		Self-closing			

THICK DOOR CONCEALED HINGE WITH ADJUSTABLE SOFT-CLOSE H360-26/C26/D26

(Inset)

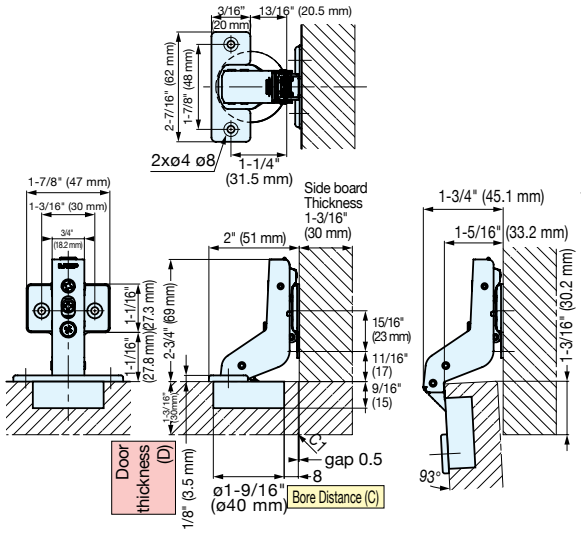


FOR THICK DOORS,
With damper function
(5 levels), 100° opening

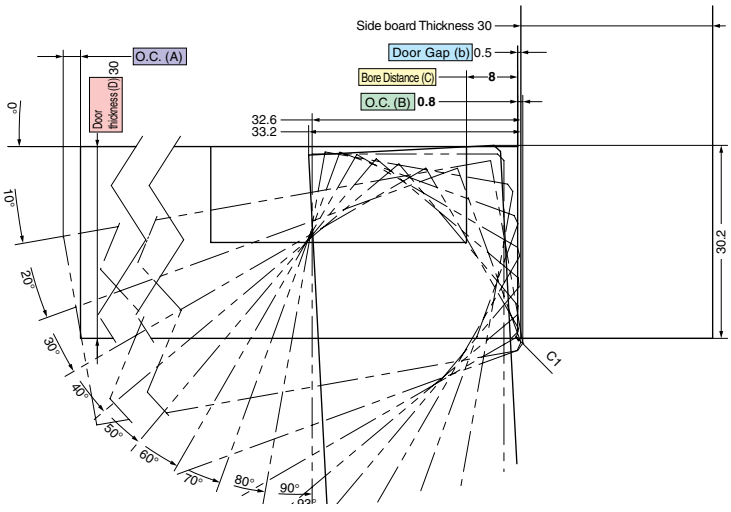
- Featuring 5-speed adjustable damper.
- Load capacity: 19.8 lbs (9 kg)/2 pcs, 33 lbs (15 kg)/3 pcs.
- Maximum door width: 23-5/8" (600 mm).
- Maximum door thickness: 1-3/16" (30 mm)
- Clip on type for easy installation.
- 3-way adjustment with door installed.
- Mounting plate sold separately.
- Successfully passed 200,000 cycles test.

OLYMPIA 360 POWERED BY Lapcon

Installation drawing



Locus chart S=1/1



Drawings show a hinge, face plate and 360-P4W-30T mounting plate (sold separately).

Opening Clearance (O.C.)

Clearances for door edge O.C. (A) and hinge side O.C. (B) are necessary. O.C. (A) and (B) change depending on door thickness and bore distance (C). Refer to locus chart and tables below when designing cabinets.

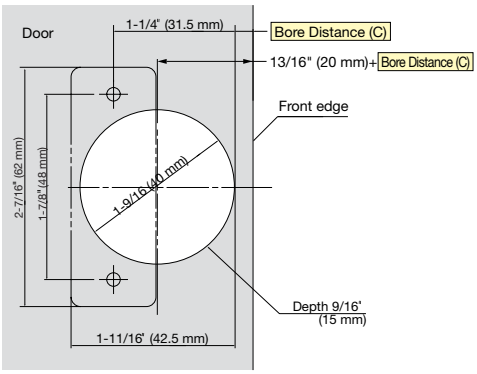
Opening clearance (B), door thickness (D) and bore distance (C) relationship

Door Thickness (D)	Bore Distance (C)					
	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)	1/4" (6 mm)	1/4" (7 mm)	5/16" (8 mm)
11/16" (18 mm)	0	0	0	0	0	0
13/16" (20 mm)	0	0	0	0	0	0
7/8" (22 mm)	0	0	0	0	0	0
15/16" (24 mm)	0.1	0.1	0.1	0.1	0.1	0.1
1" (26 mm)	0.3	0.3	0.3	0.3	0.3	0.3
1-1/8" (28 mm)	1/16" (1.7 mm)	1/16" (0.7 mm)	1/16" (0.5 mm)	1/16" (0.5 mm)	1/16" (0.5 mm)	1/16" (0.5 mm)
1-3/16" (30 mm)	1/8" (3.9 mm)	1/8" (2.9 mm)	1/16" (2 mm)	1/16" (1.4 mm)	1/16" (0.8 mm)	1/16" (0.8 mm)
1-1/4" (32 mm)*	1/4" (5.9 mm)	3/16" (4.9 mm)	1/8" (3.9 mm)	1/8" (3.3 mm)	1/8" (2.6 mm)	1/16" (2.1 mm)
1-5/16" (34 mm)*	5/16" (8.1 mm)	1/4" (7.1 mm)	1/4" (6.1 mm)	3/16" (5.1 mm)	3/16" (4.5 mm)	1/8" (3.9 mm)
	O.C. (B)					

• The table above shows O.C. (B) for C1 chamfering (chamfer plane).

* Please refer to the locus chart if door thickness is over 1-3/16" (30 mm). O.C. (B) can be made smaller by R chamfering (round chamfer) and C chamfering (chamfer plane) on the door.

Cut out dimensions (wooden doors)



Bore distance (C) and overlay (E) relationship

Bore Distance (C)	1/8" (3 mm)	5/32" (4 mm)	3/16" (5 mm)	1/4" (6 mm)	9/32" (7 mm)	5/16" (8 mm)
Overlay (E)	7/32" (5.5 mm)	3/16" (4.5 mm)	1/8" (3.5 mm)	3/32" (2.5 mm)	1/16" (1.5 mm)	1/32" (0.5 mm)

Overlay can be decreased by up to (4 mm) by turning the overlay adjustment screw.

Opening clearance (A) and door width relationship (for 1-3/16" (30 mm) thick door)

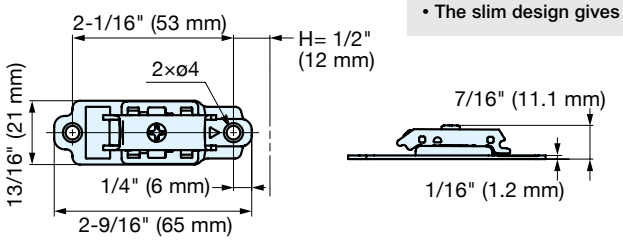
Door Width	11-13/16" (300 mm)	15-3/4" (400 mm)	19-11/16" (500 mm)	23-5/8" (600 mm)
O.C (A)	0.78	0.55	0.43	0.35

Item No	Opening angle	Type	Material	Finish	Carton
H360-D26-0T	93°	Soft close (5 levels)	Steel	Nickel	100pcs
H360-26-0T		Free swinging			
H360-C26-0T		Self-closing			



MOUNTING PLATE (STRAIGHT TYPE) 360-P3W-53T





• The slim design gives a sleek look.

Item No.	Material	Finish	Weight (g)
360-P3W-53T	Steel	Nickel Plating	20

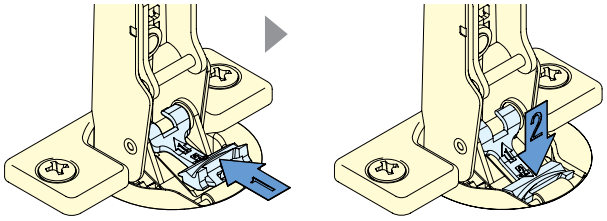
85° ANGLE LIMITER (THICK DOOR) H360-85

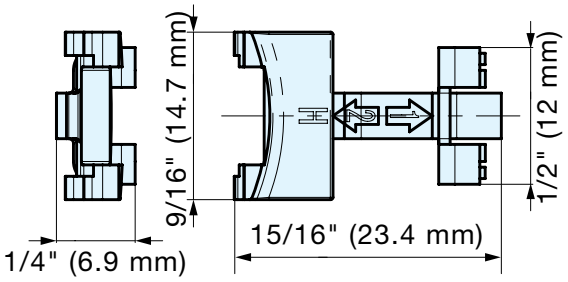


• Limits the opening angle from 100° to 85° of the H360 hinge.
(The H360 is a thick door model of OLYMPIA hinge series.)

OLYMPIA 360 POWERED BY Lapcon

How to Use





Item No.	Material	Color
H360-85	PBT	Grey

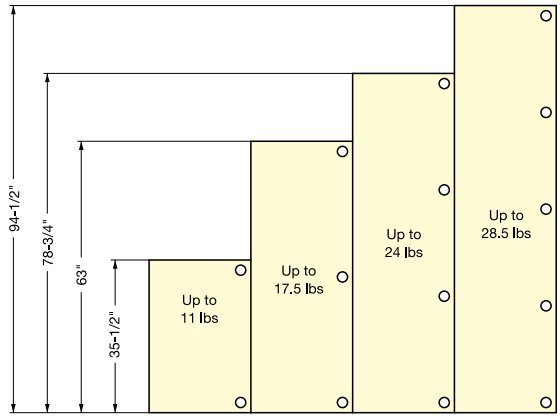




CONCEALED HINGE REFERENCE GUIDE

304B Series Stainless Steel Hinges

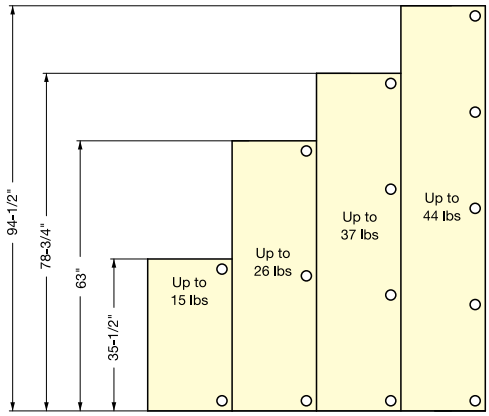
- Please be sure to confirm door weight in advance, and be sure that the door weight is centered.
- Hinges should be installed within 4" of the top and bottom edges of the door. If using 3 or more hinges, please refer to the installation guide (below).
- Please lubricate after installation and on a regular basis from then on.
- Please install at least 11-13/16" (300 mm) apart.



Maximum Door Specifications	
Width	Thickness
17-3/4" (450 mm)	3/4" (20 mm)

H160 Series Steel Hinges

- Please be sure to confirm door weight in advance, and be sure that the door weight is centered.
- Hinges should be installed within 4" of the top and bottom edges of the door. If using 3 or more hinges, please refer to the installation guide (below).
- Please lubricate after installation and on a regular basis from then on.
- Please install at least 11-13/16" (300 mm) apart.

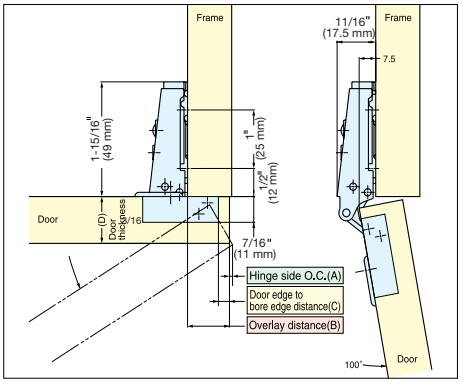


Maximum Door Specifications	
Width	Thickness
19-11/16" (500 mm)	1-9/16" (40 mm)



CONCEALED HINGE (3/4" (19 mm) OVERLAY) 304B-46/19, C46/19



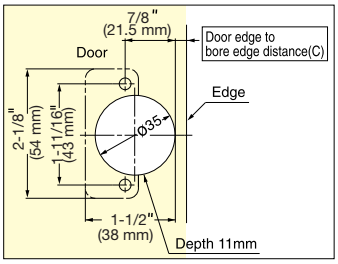


■ Door edge to bore edge distance (C) and Overlay distance (B) Table 1.

Door edge to bore edge distance (C)	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)
Overlay distance (B)	11/16" (17 mm)	11/16" (18 mm)	3/4" (19 mm)

■ Hinge side opening clearance chart Table 2.

Door thickness (D)	Door edge to bore edge distance (C)		
	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)
9/16" (15 mm)	0.5	0.5	0.5
5/8" (16 mm)	0.7	0.7	0.7
11/16" (17 mm)	0.8	0.8	0.8
11/16" (18 mm)	1.0	1.0	1.0
3/4" (19 mm)	1.2	1.2	1.2
13/16" (20 mm)	1.4	1.4	1.4
	Hinge side O.C. (A)		



Bore Dimensions

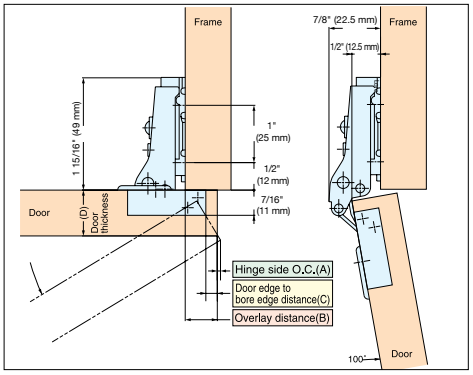
Item No.	Type	Weight (g)	Carton (pcs)
304B-46/19	Free Swinging	60	200
304B-C46/19	Self-Closing		

*Mounting Plate sold separately. See P.297

Material	Finish
304 Stainless Steel	Polished

CONCEALED HINGE (9/16" (14 mm) OVERLAY) 304B-46/14, C46/14



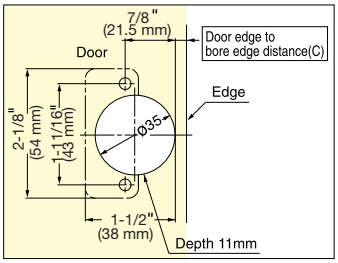


■ Door edge to bore edge distance (C) and Overlay distance (B) Table 1.

Door edge to bore edge distance (C)	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)
Overlay distance (B)	1/2" (12 mm)	1/2" (13 mm)	9/16" (14 mm)

■ Hinge side opening clearance chart Table 2.

Door thickness (D)	Door edge to bore edge distance (C)		
	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)
9/16" (15 mm)	0.5	0.5	0.5
5/8" (16 mm)	0.7	0.7	0.7
11/16" (17 mm)	0.8	0.8	0.8
11/16" (18 mm)	1.0	1.0	1.0
3/4" (19 mm)	1.2	1.2	1.2
13/16" (20 mm)	1.4	1.4	1.4
	Hinge side O.C. (A)		



Bore Dimensions

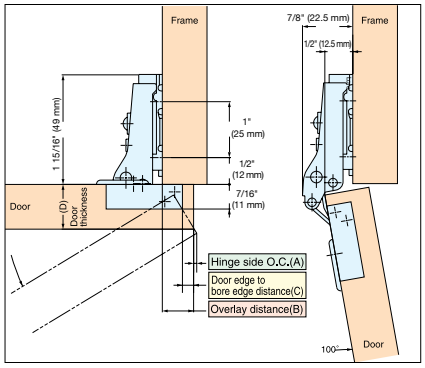
Item No.	Type	Weight (g)	Carton (pcs)
304B-46/14	Free Swinging	60	200
304B-C46/14	Self-Closing		

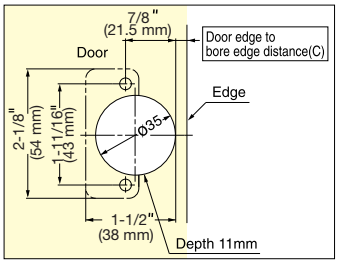
*Mounting Plate sold separately. See P.297

Material	Finish
304 Stainless Steel	Polished

CONCEALED HINGE (3/8" (9 mm) OVERLAY) 304B-46/9, C46/9







Bore Dimensions

■ Door edge to bore edge distance (C) and Overlay distance (B) Table 1.

Door edge to bore edge distance (C)	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)
Overlay distance (B)	1/4" (7 mm)	5/16" (8 mm)	3/8" (9 mm)

■ Hinge side opening clearance chart Table 2.

Door thickness (D)	Door edge to bore edge distance (C)		
	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)
9/16" (15 mm)	0.5	0.5	0.5
5/8" (16 mm)	0.7	0.7	0.7
11/16" (17 mm)	0.8	0.8	0.8
11/16" (18 mm)	1.0	1.0	1.0
3/4" (19 mm)	1.2	1.2	1.2
13/16" (20 mm)	1.4	1.4	1.4
	Hinge side O.C. (A)		

Item No.	Type	Weight (g)	Carton (pcs)
304B-46/9	Free Swinging	60	200
304B-C46/9	Self-Closing		

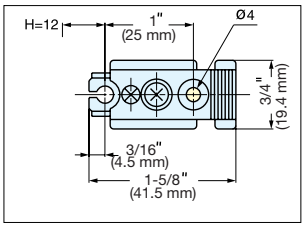
*Mounting Plate sold separately. See P.297

Material	Finish
304 Stainless Steel	Polished

MOUNTING PLATE FOR 304B SERIES HINGES

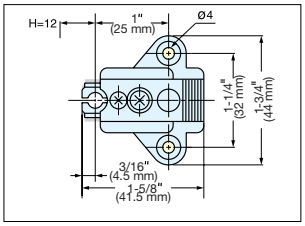


304B-P3A



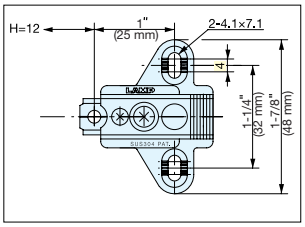


304B-P4A/32





304B-P4A/32-3W



Installation

• Mounting plate for 304B hinges.





Face Frame Bracket for
304B-P4A/32 and 304B-P4A/32-3W.
See P.344 (Sold separately)

Item No.	Weight (g)	Carton (pcs)
304B-P3A	40	400
304B-P4A/32		
304B-P4A/32-3W		

Material	Finish
304 Stainless Steel	Polished

CONCEALED HINGE (1-1/8" (28 mm) OVERLAY) NO SCREW H160-34/28, H160-C34/28



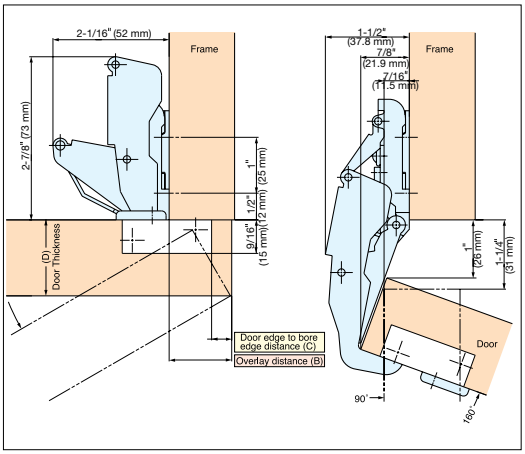
■ Door edge to bore edge distance (C) and Overlay distance (B) Table 1.

Door edge to bore edge distance (C)	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)	1/4" (6 mm)	1/4" (7 mm)	5/16" (8 mm)	3/8" (9 mm)
Overlay distance (B)	7/8" (22 mm)	15/16" (23 mm)	15/16" (24 mm)	1" (25 mm)	1" (26 mm)	1-1/16" (27 mm)	1-1/8" (28 mm)

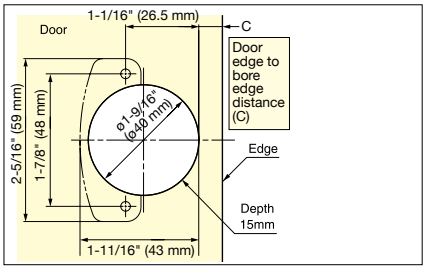
■ Hinge side opening clearance chart Table 2.

Door thickness (D)	Door edge to bore edge distance (C)						
	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)	1/4" (6 mm)	1/4" (7 mm)	5/16" (8 mm)	3/8" (9 mm)
1-5/16" (33 mm)	0.1						
1-5/16" (34 mm)	0.2	0.2	0.2	0.2	0.2	0.2	0.2
1-3/8" (35 mm)	0.3	0.3	0.3	0.3	0.3	0.3	0.3
1-7/16" (36 mm)	1/16" (2 mm)	1/16" (1.6 mm)	1/16" (1.5 mm)	1/16" (1.4 mm)	1/16" (1 mm)	0.7	0.5
1-7/16" (37 mm)	1/8" (3.7 mm)	1/8" (3.1 mm)	1/8" (2.7 mm)	1/16" (2.4 mm)	1/16" (2 mm)	1/16" (1.4 mm)	1/16" (0.9 mm)
1-1/2" (38 mm)	3/16" (5 mm)	3/16" (4.4 mm)	1/8" (3.8 mm)	1/8" (3.3 mm)	1/8" (2.8 mm)	1/16" (2.2 mm)	1/16" (1.7 mm)
1-9/16" (39 mm)	1/4" (6.2 mm)	3/16" (5.4 mm)	3/16" (4.9 mm)	3/16" (4.3 mm)	1/8" (3.7 mm)	1/8" (3 mm)	1/8" (2.6 mm)
1-9/16" (40 mm)	1/4" (7.2 mm)	1/4" (6.4 mm)	1/4" (5.7 mm)	3/16" (5.3 mm)	3/16" (4.6 mm)	1/8" (3.9 mm)	1/8" (3.4 mm)
	Hinge side O.C. (B)						

*Mounting Plate sold separately. See P.307



Bore Dimensions



Item No.	Type	Weight (g)	Carton (pcs)
H160-34/28	Free Swinging	182	100
H160-C34/28	Self-Closing		

Material	Finish	Finish
Body	Steel	Satin Chrome
Cup	Zinc Alloy	

CONCEALED HINGE (15/16" (23 mm) OVERLAY) NO SCREW H160-34/23, H160-C34/23



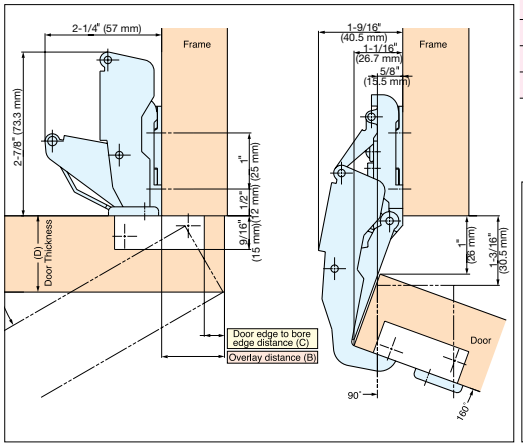
■ Door edge to bore edge distance (C) and Overlay distance (B) Table 1.

Door edge to bore edge distance (C)	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)	1/4" (6 mm)	1/4" (7 mm)	5/16" (8 mm)	3/8" (9 mm)
Overlay distance (B)	11/16" (17 mm)	11/16" (18 mm)	3/4" (19 mm)	13/16" (20 mm)	13/16" (21 mm)	7/8" (22 mm)	15/16" (23 mm)

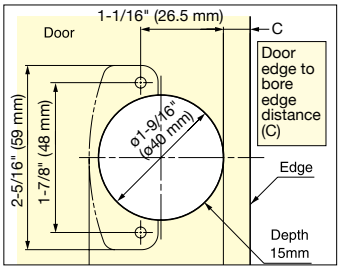
■ Hinge side opening clearance chart Table 2.

Door thickness (D)	Door edge to bore edge distance (C)						
	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)	1/4" (6 mm)	1/4" (7 mm)	5/16" (8 mm)	3/8" (9 mm)
1-5/16" (33 mm)	0.2						
1-5/16" (34 mm)	0.3	0.3	0.3	0.3	0.3	0.3	0.3
1-3/8" (35 mm)	0.7	0.7	0.7	0.7	0.7	0.6	0.5
1-7/16" (36 mm)	1/8" (3.2 mm)	1/8" (3 mm)	1/8" (2.7 mm)	1/16" (2.3 mm)	1/16" (1.6 mm)	1/16" (1.3 mm)	1/16" (0.9 mm)
1-7/16" (37 mm)	3/16" (5 mm)	3/16" (4.4 mm)	1/8" (3.8 mm)	1/8" (3.2 mm)	1/8" (2.6 mm)	1/16" (2.1 mm)	1/16" (1.6 mm)
1-1/2" (38 mm)	1/4" (6.2 mm)	1/4" (5.5 mm)	3/16" (4.8 mm)	3/16" (4.2 mm)	1/8" (3.5 mm)	1/8" (2.9 mm)	1/16" (2.4 mm)
1-9/16" (39 mm)	1/4" (7.2 mm)	1/4" (6.4 mm)	1/4" (5.7 mm)	3/16" (5.1 mm)	3/16" (4.4 mm)	1/8" (3.9 mm)	1/8" (3.3 mm)
1-9/16" (40 mm)	5/16" (8.3 mm)	5/16" (7.3 mm)	1/4" (6.6 mm)	1/4" (6 mm)	3/16" (5.4 mm)	3/16" (4.7 mm)	3/16" (4.2 mm)
	Hinge side O.C. (B)						

*Mounting Plate sold separately. See P.307



Bore Dimensions



Item No.	Type	Weight (g)	Carton (pcs)
H160-34/23	Free Swinging	205	100
H160-C34/23	Self-Closing		

Material	Finish	Finish
Body	Steel	Satin Chrome
Cup	Zinc Alloy	

CONCEALED HINGE (11/16" (18 mm) OVERLAY) NO SCREW H160-34/18, H160-C34/18



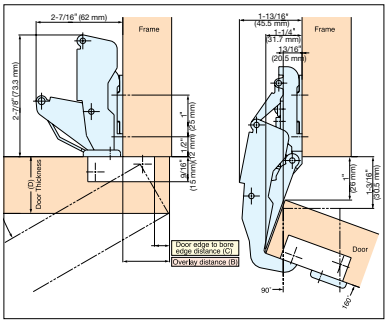
■ Door edge to bore edge distance (C) and Overlay distance (B) Table 1.

Door edge to bore edge distance (C)	3/16" (5 mm)	1/4" (6 mm)	1/4" (7 mm)	5/16" (8 mm)	3/8" (9 mm)
Overlay distance (B)	9/16" (14 mm)	13/16" (15 mm)	5/8" (16 mm)	11/16" (17 mm)	11/16" (18 mm)

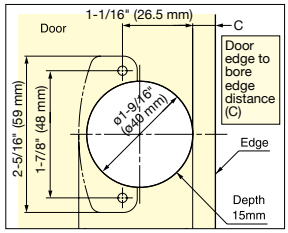
■ Hinge side opening clearance chart Table 2.

Door thickness (D)	Door edge to bore edge distance (C)						
	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)	1/4" (6 mm)	1/4" (7 mm)	5/16" (8 mm)	3/8" (9 mm)
1-5/16" (33 mm)	0.2						
1-5/16" (34 mm)	0.3	0.3	0.3	0.3	0.3	0.3	0.3
1-3/8" (35 mm)	0.7	0.7	0.7	0.7	0.7	0.6	0.5
1-7/16" (36 mm)	1/8" (3.2 mm)	1/8" (3 mm)	1/8" (2.7 mm)	1/16" (2.3 mm)	1/16" (1.6 mm)	1/16" (1.3 mm)	1/16" (0.9 mm)
1-7/16" (37 mm)	3/16" (5 mm)	3/16" (4.4 mm)	1/8" (3.8 mm)	1/8" (3.2 mm)	1/8" (2.6 mm)	1/16" (2.1 mm)	1/16" (1.6 mm)
1-1/2" (38 mm)	1/4" (6.2 mm)	1/4" (5.5 mm)	3/16" (4.8 mm)	3/16" (4.2 mm)	1/8" (3.5 mm)	1/8" (2.9 mm)	1/16" (2.4 mm)
1-9/16" (39 mm)	1/4" (7.2 mm)	1/4" (6.4 mm)	1/4" (5.7 mm)	3/16" (5.1 mm)	3/16" (4.4 mm)	1/8" (3.9 mm)	1/8" (3.3 mm)
1-9/16" (40 mm)	5/16" (8.3 mm)	5/16" (7.3 mm)	1/4" (6.6 mm)	1/4" (6 mm)	3/16" (5.4 mm)	3/16" (4.7 mm)	3/16" (4.2 mm)
	Hinge side O.C. (B)						

*Mounting Plate sold separately. See P.307



Bore Dimensions



Item No.	Type	Weight (g)	Carton (pcs)
H160-34/18	Free Swinging	205	100
H160-C34/18	Self-Closing		

Material	Finish	Finish
Body	Steel	Satin Chrome
Cup	Zinc Alloy	

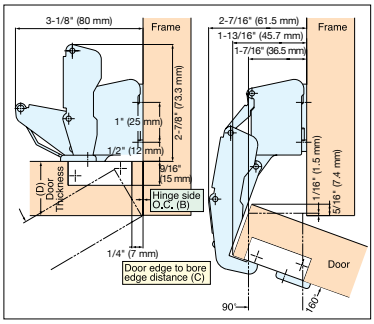
CONCEALED HINGE (INSET) NO SCREW H160-34/0, H160-C34/0



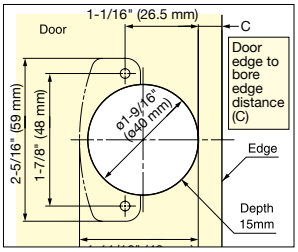
■ Hinge side opening clearance chart

Door thickness (D)	Door edge to bore edge distance (C)				
	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)	1/4" (6 mm)	1/4" (7 mm)
1-3/16" (30 mm)	0.1				
1-1/4" (31 mm)	0.1	0.1	0.1	0.1	0.1
1-1/4" (32 mm)	0.2	0.2	0.2	0.2	0.2
1-5/16" (33 mm)	0.2	0.2	0.2	0.2	0.2
1-5/16" (34 mm)	0.3	0.3	0.3	0.3	0.3
1-3/8" (35 mm)	1/16" (0.9 mm)	1/16" (0.9 mm)	1/16" (0.9 mm)	0.8	0.8
1-7/16" (36 mm)	1/8" (3.4 mm)	1/8" (3.1 mm)	1/8" (2.8 mm)	1/16" (2.2 mm)	1/16" (1.6 mm)
	Hinge side O.C. (B)				

*Mounting Plate sold separately. See P.307



Bore Dimensions

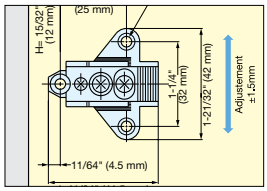


Item No.	Type	Weight (g)	Carton (pcs)
H160-34/0	Free Swinging	250	100
H160-C34/0	Self-Closing		

Material	Finish	Finish
Body	Steel	Satin Chrome
Cup	Zinc Alloy	

MOUNTING PLATE FOR H160 SERIES HINGES NO SCREW 100-04A-W-32





*Can be used with Face Frame Bracket FFCB-HG-1 (See P.344).

Item No.	Weight (g)	Carton (pcs)
100-04A-W-32	23	400

Part Name	Material	Finish
Body	Steel	Satin Chrome

SPECIALTY OVERLAY HINGE W/ SOFT-CLOSE (1" (25 mm) OVERLAY)

M5X18 STEEL **J160-D22**



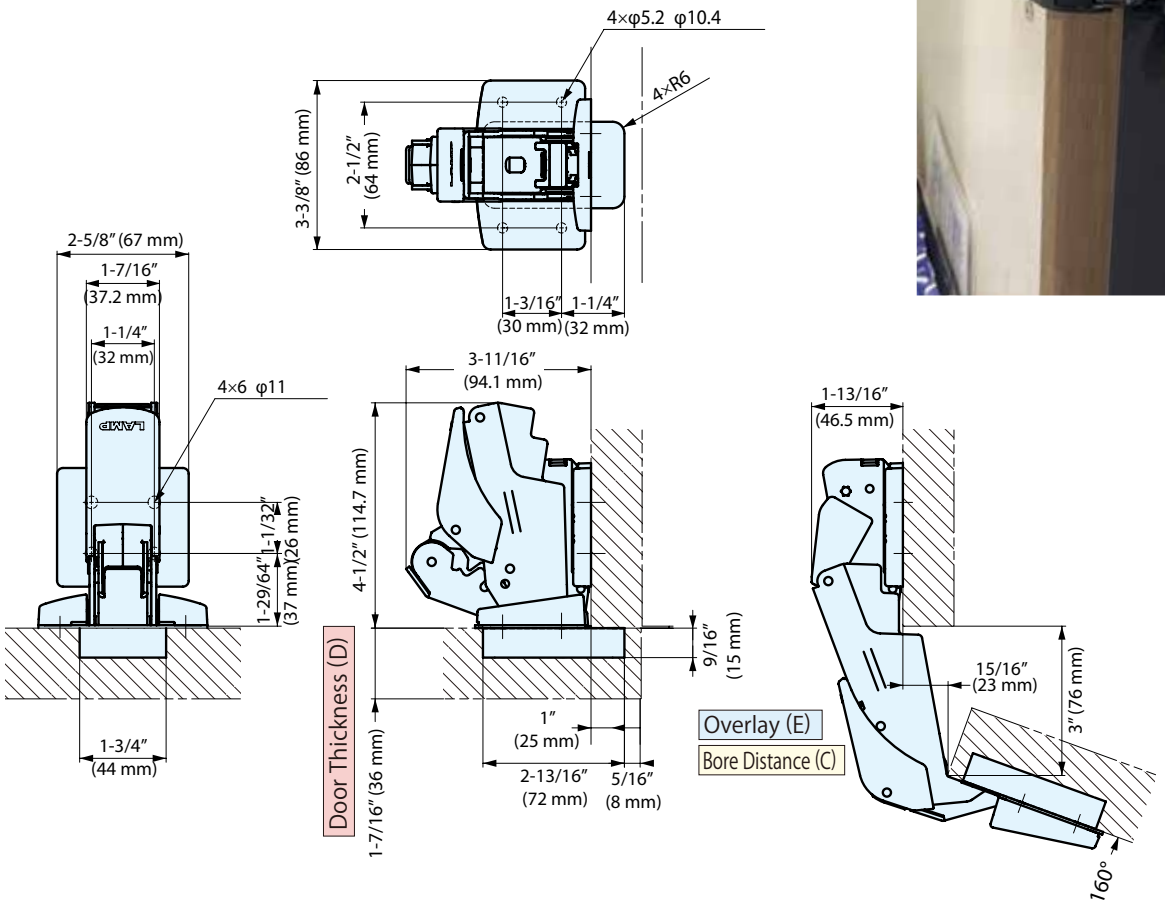
J160-D22-25T-BN
Black Nickel (BN)



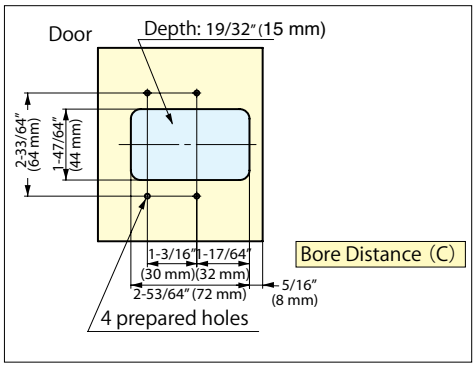
J160-D22-25T-NI
Nickel (NI)

- 3-way adjustability with built-in damper.
- Load capacity:
  55 lbs (25 kg)/2 pcs, 88 lbs (40 kg)/3 pcs.
- Maximum door width:
  31-1/2" (800 mm)/2 pcs,
  35-7/16" (900 mm)/3 pcs.
- Wide-opening hinge allowing 160° opening.
- Successfully passed 50,000 open/close private cycle test.
- Recommended door thickness:
  11/16~1-7/16" (18~36 mm).
- Includes mounting plates and screw covers.
- Built in damper allows doors to soft-close.

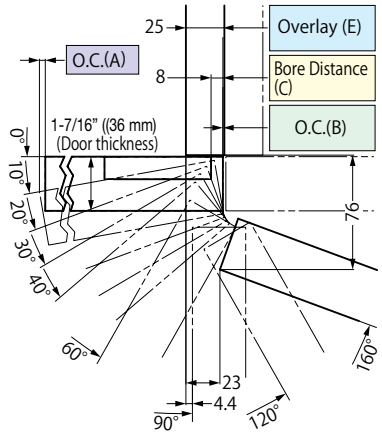




Item No.	Weight (g)	Box (pcs)	Carton (pcs)	Material	Finish
J160-D22-25T-NI	710	1	12	Steel, Zinc Alloy (ZDC), Glass Filled Polyamide (PA)	Nickel (NI)
J160-D22-25T-BN					Black Nickel (BN)



Bore Dimensions



■ Door edge to bore edge distance (C) and Overlay distance (E) Table-1

Door edge to bore edge distance (C)	1/8" (3 mm)	3/16" (4 mm)	3/16" (5 mm)	1/4" (6 mm)	1/4" (7 mm)	15/16" (8 mm)
Overlay distance (E)	13/16" (20 mm)	13/16" (21 mm)	7/8" (22 mm)	15/16" (23 mm)	15/16" (24 mm)	1" (25 mm)

Overlay adjustment (Max.-4mm) by turning the overlay adjustment screw.

Opening Clearance (O.C.)
Clearances for door edge O.C. (A) and hinge side O.C. (B) are necessary. O.C. (A) and (B) change depending on door thickness and bore distance (C). Refer to locus chart and tables below when designing cabinets.

■ Hinge side opening clearance chart Table-2

Door Thickness (D)*	Door edge to bore edge distance (C)					
	1/8"(3)	3/16"(4)	3/16"(5)	1/4"(6)	1/4"(7)	15/16"(8)
1-11/32"(34) and under	0.1 and under					
1-27/64"(36)	1/16"(0.2)	1/16"(0.2)	1/16"(0.2)	1/16"(0.2)	1/16"(0.2)	1/16"(0.2)
1-1/2"(38)*	1/16"(0.5)	1/16"(0.5)	1/16"(0.5)	1/16"(0.5)	1/16"(0.6)	1/16"(0.6)
1-37/64"(40)*	1/16"(1.0)	1/16"(1.0)	1/16"(1.1)	1/16"(1.2)	1/16"(1.3)	1/16"(1.4)
	Hinge side O.C (B)					

*Please refer to the locus chart if door thickness is over 36 mm. (O.C. (B) can be made smaller by R chamfering (round chamfer) or C chamfering (chamfer plane) on the door) Table-3

Door Thickness (D)*	Door Width						
	11-13/16" (300 mm)	15-3/4" (400 mm)	19-11/16" (500 mm)	23-5/8" (600 mm)	27-9/16" (700 mm)	31-1/2" (800 mm)	35-7/16" (900 mm)
13/16"(20)	1/16"(1.6)	1/16"(1.2)	1/16"(1.0)	1/16"(0.8)	1/16"(0.7)	1/16"(0.6)	1/16"(0.5)
1-3/16"(30)	1/16"(1.9)	1/16"(1.4)	1/16"(1.2)	1/16"(1.0)	1/16"(0.8)	1/16"(0.7)	1/16"(0.7)
1-7/16"(36)	1/16"(1.9)	1/16"(1.5)	1/16"(1.2)	1/16"(1.0)	1/16"(0.8)	1/16"(0.7)	1/16"(0.7)
	O.C. (A)						



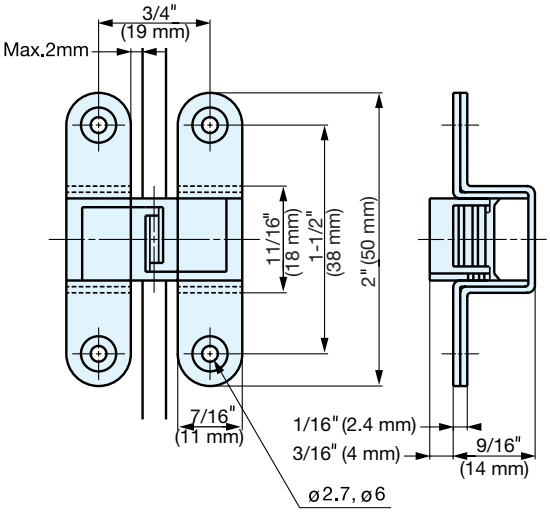
CONCEALED HINGE

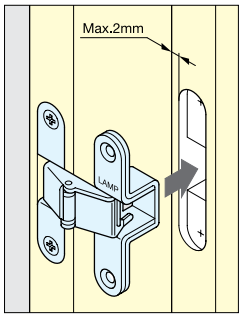
RoHS compliant | STAINLESS 304 STEEL | 2.4×13 STAINLESS

RK-50



- Max. Door size :
  W 17-3/4" × H 27-9/16" (W450 × H700 mm)
- Min. Door thickness : 9/16" (15 mm)
- Max. Door weight : 5.7 lbs/pair (2.6 kg/pair)





Installation

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
RK-50	28	24	240

Material	Finish
304 Stainless Steel	Satin



3-WAY ADJUSTABLE CONCEALED HINGE HES3D-70



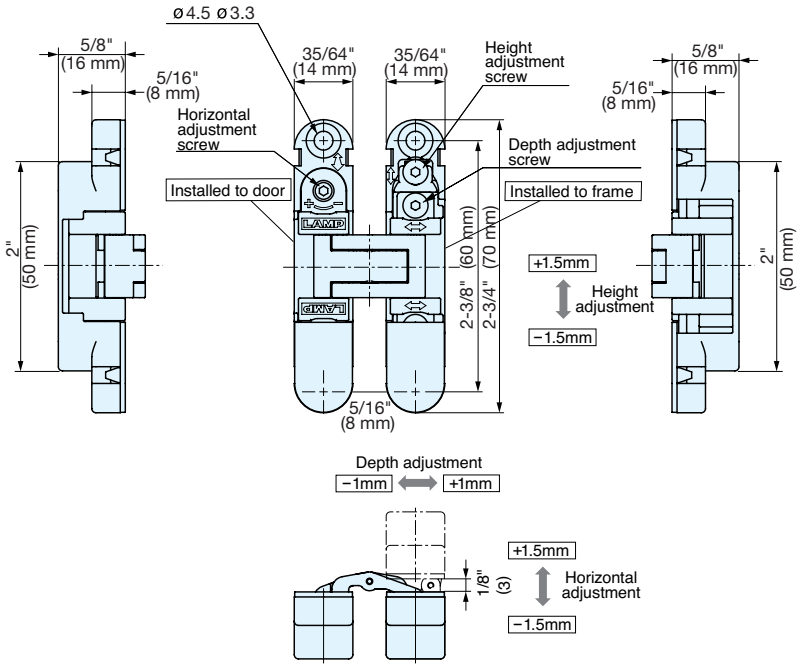
HES3D-70DC
Dull Chrome

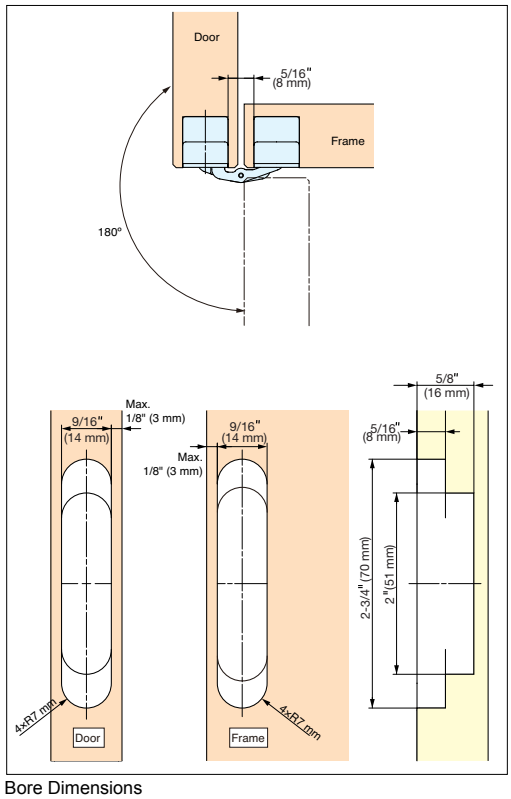
HES3D-70DN
Dull Nickel

HES3D-70BL
Black

- 3-WAY adjustment function allows vertical, horizontal and depth adjustment after installation.
- Hinge leaves separate for easy installation.
- Covers hide screw heads for clean appearance.
- Includes steel countersunk wood screws.
- Small size for min. 3/4" panel thickness.
- Max. Door weight: 19.8 lbs (9 kg)/2 pcs, 26.4 lbs (12 kg)/3 pcs
- Min. Door thickness: 3/4" (19 mm)
- Max. door size: H 47-1/4" × W 23-5/8" (H 1200 mm × W 600 mm)







Bore Dimensions

Item No.	Finish	Min. Door Thickness	Weight (g)	Box (pcs)	Carton (pcs)
HES3D-70DC	Dull Chrome	3/4" (19 mm)	95	2	48
HES3D-70DN	Dull Nickel				
HES3D-70BL	Black				

Part Name	Material
Body	Zinc Alloy
Base Frame	
Arm	
Shaft (Pin)	Stainless Steel
Cover	ABS

3-WAY ADJUSTABLE CONCEALED HINGE HES3D-90



HES3D-90DC
Dull Chrome

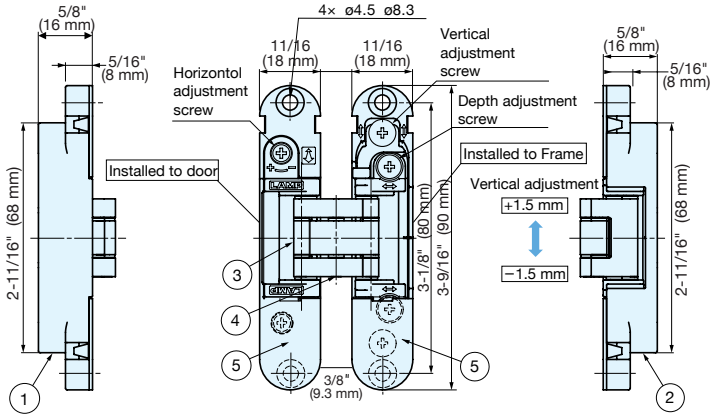


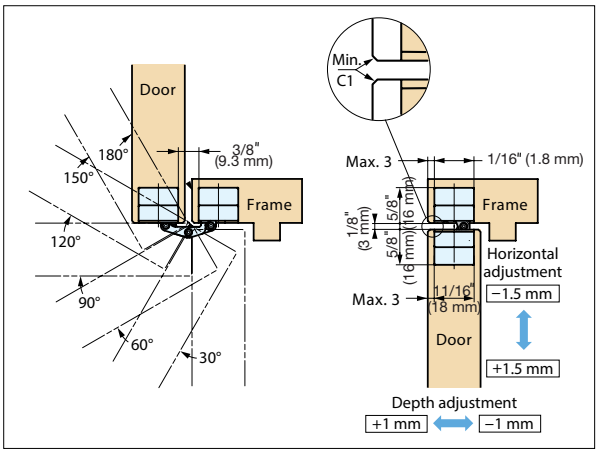
HES3D-90DN
Dull Nickel

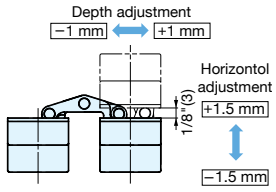


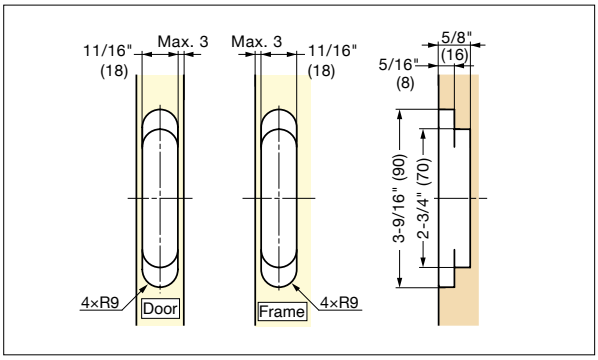
HES3D-90BL
Black

- 3-WAY adjustment function allows vertical, horizontal, and depth adjustment.
- Covers hide all screw heads for clean appearance.
- Hinge leaves separate for easy installation and adjustment.
- Max. Door weight: 26 lbs (12 kg)/2 pcs, 35 lbs (16 kg)/3 pcs
- Min. Door thickness: 15/16" (23 mm)
- Max door size: 59-1/16" × 23-5/8" (H 1500 mm × W 600 mm)
- Includes steel countersunk wood screws.









No.	Part Name	Material	Finish/Color		
			DC	DN	BL
①	Body	Zinc Alloy	Dull Chrome	Dull Nickel	Black
②	Base Frame				
③	Arm				
④	Shaft	Stainless Steel	-	-	-
⑤	Cover	ABS	Dull Chrome	Dull Nickel	Black

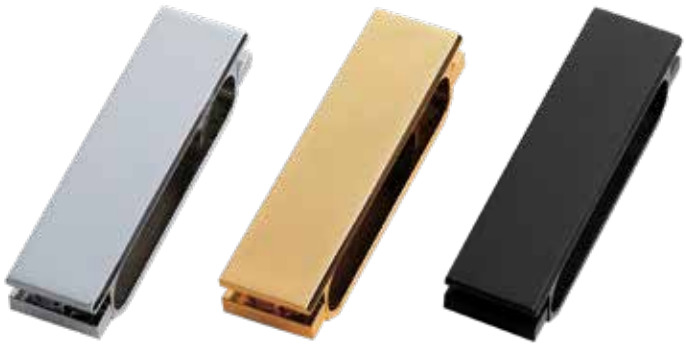
Item No.	Finish	Min. Door Thickness	Weight (g)	Box (pcs)	Carton (pcs)
HES3D-90DC	Dull Chrome	15/16" (23 mm)	198	2	48
HES3D-90DN	Dull Nickel				
HES3D-90BL	Black				

GLASS DOOR BRACKET

RoHS compliant

HES3D-G90BKT

- Glass door bracket for HES3D-90 series.
- Hinge is completely hidden when looking through the glass.
- Screw covers match the bracket with the hinge finish.
- Glass thickness: 3/16" ~ 1/4" (5 ~ 6 mm).



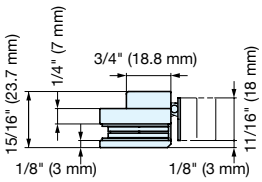
HES3D-G90BKT-CR
Chrome

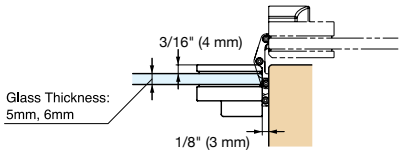
HES3D-G90BKT-GP
Gold

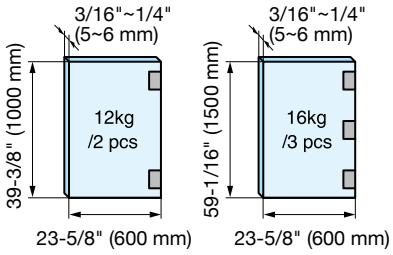
HES3D-G90BKT-BL
Black



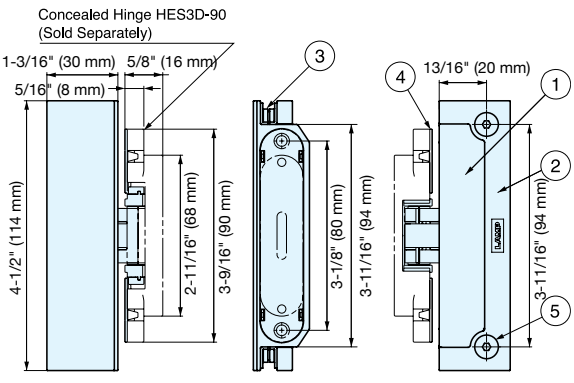


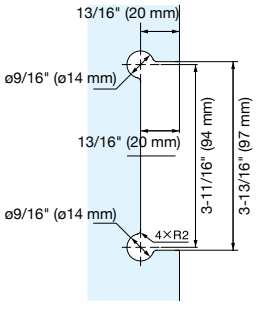






Door Dimensions and Number of Hinges





Cut Out Dimensions

Item No.	Finish
HES3D-G90BKT-CR	Chrome
HES3D-G90BKT-GP	Gold
HES3D-G90BKT-BL	Black

No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Chrome, Gold Plating, Black
②	Back Plate		
③	Gasket	Chloroprene Rubber	
④	Screw Cover	ABS	
⑤	Hexagon Socket Countersunk Head	Steel	

3-WAY ADJUSTABLE CONCEALED HINGE HES3D-120



HES3D-120DC
Dull Chrome

HES3D-120DN
Dull Nickel

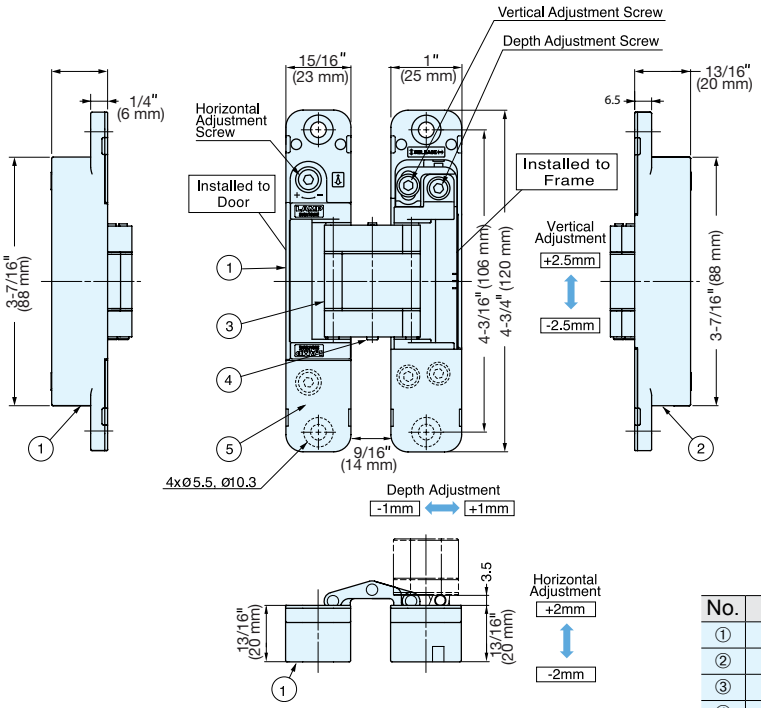
HES3D-120BL
Black

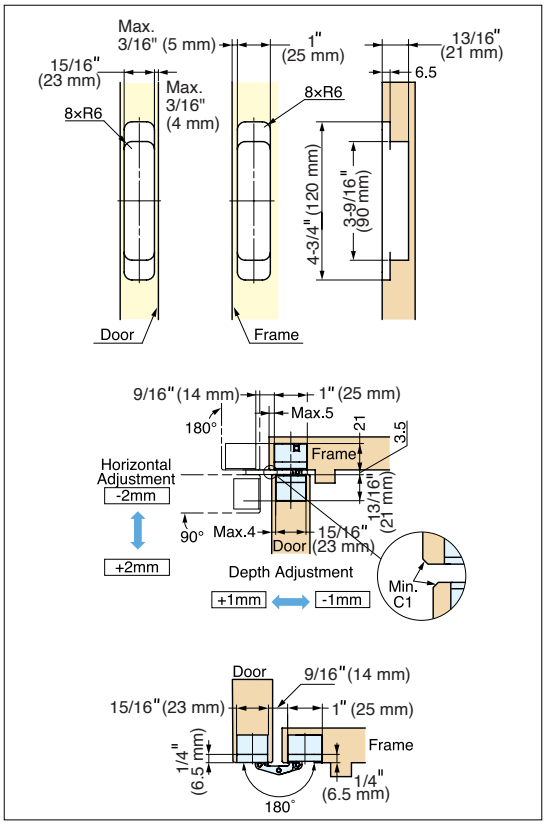
- 3-WAY adjustment function allows vertical, horizontal, and depth adjustment after hinge installed.
- Easy installation and adjustment.
- Successfully passed 300,000 open/close private cycle tests.
- Supplied with steel flat head screw.
- Covers hide all screw heads for clean appearance.
- Max. Door weight: 66 lbs (30 kg)/2 pcs, 88 lbs (40 kg)/3 pcs
- Min. Door Thickness: 1-1/8" (29 mm)
- Max. Door Size: H 94-1/2" × W 35-7/16" (H 2400 mm × W 900 mm)
- Bracket for sheet metal available.
  HES3D-120BKT-D: Door
  HES3D-120BKT-F: Frame











Bore Dimensions

Item No.	Finish/Color	Weight (g)	Box (pcs)	Carton (pcs)
HES3D-120DC	Dull Chrome	380	2	24
HES3D-120DN	Dull Nickel			
HES3D-120BL	Black			

No.	Part Name	Material	Finish/Color
①	Body	Zinc Alloy	Dull Chrome (DC) Dull Nickel (DN) Black (BL)
②	Base Frame		
③	Arm		
④	Pin	304 Stainless Steel	-
⑤	Cover	ABS	Dull Chrome (DC) Dull Nickel (DN) Black (BL)

GLASS DOOR BRACKET for HES3D-120 HES3D-G120BKT

- Glass door bracket for HES3D-120 series.
- Hinge is completely hidden when looking through the glass.
- Screw covers match the bracket with the hinge finish.
- Glass thickness: 3/16"-5/16" (5~8 mm)



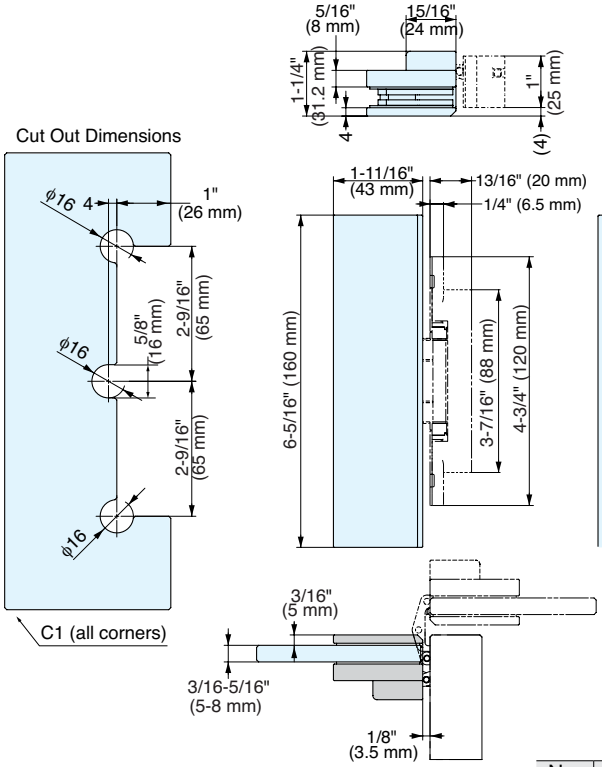
HES3D-G120BKT-CR
Chrome

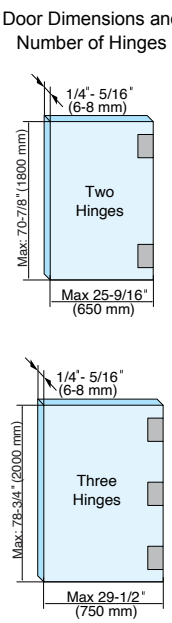
HES3D-G120BKT-GP
Gold

HES3D-G12Z0BKT-BL
Black









Item No.	Finish
HES3D-G120BKT-CR	Chrome
HES3D-G120BKT-GP	Gold
HES3D-G12Z0BKT-BL	Black

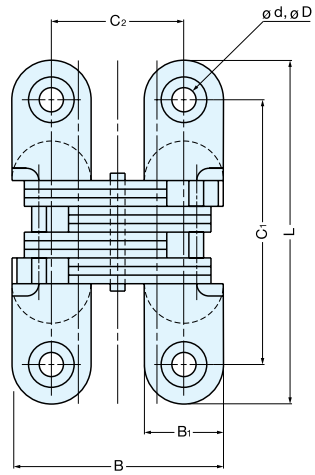
No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Chrome, Gold Plating, Black
②	Back Plate		
③	Gasket	Chloroprene Rubber	
④	Screw Cover	ABS	
⑤	Hexagon Socket Countersunk Head	Steel	

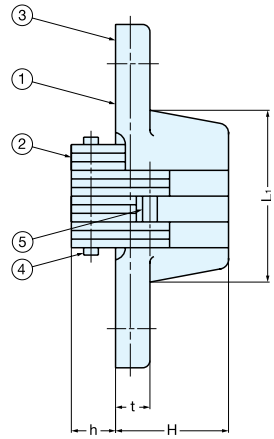
CONCEALED HINGE

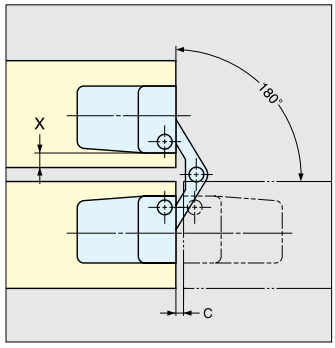
R SERIES

- Max. Door size:
  W17-3/4" × H27-9/16" × t13/16"
  (W450 × H700 × t21 mm).





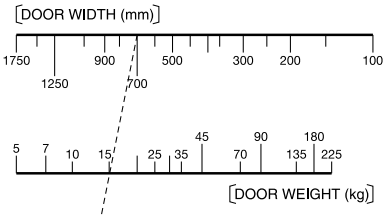




Distance between door edge and hinge must be less than the figures shown in column "X" of the dimension table below.

To determine the number of hinges required for each door:

- Using the chart to the right, locate the correct door width (upper scale) and door weight (lower scale). Draw a line connecting these 2 points to the chart below (point "a"). Then draw a vertical line through the lower chart to find the number and type of hinges required.
- Check door thickness requirements.



Item No.	No. of Hinges (pcs)
R- 43	3
R- 45	3
R- 60	3
R- 70	2
R-100	2

[In case of door width, 700 mm and door weight, 15 kg]

Item No.	Required Number Of Hinges (pcs)	"a"	Min. Door Thickness
R-43	2 / 3 / 4		13 mm
R-45	2 / 3 / 4		19 mm
R-60	2 / 3 / 4		19 mm
R-70	2 / 3 / 4		25 mm
R-100	2 / 3 / 4		29 mm

Item No.	L	L_1	B	B_1	C_1	C_2	H
R-43	1-11/16" (43 mm)	7/8" (22 mm)	1-1/8" (29 mm)	7/16" (11 mm)	1-1/4" (32 mm)	11/16" (18 mm)	1/2" (13 mm)
R-45	1-25/32" (45 mm)	3/4" (19 mm)	1-7/16" (35.7 mm)	1/2" (13 mm)	1-1/4" (32 mm)	7/8" (22.7 mm)	3/4" (18.5 mm)
R-60	2-3/8" (60 mm)	1-5/16" (33 mm)	1-3/8" (35.2 mm)	1/2" (13 mm)	1-7/8" (47 mm)	7/8" (22.2 mm)	3/4" (18.5 mm)
R-70	2-3/4" (70 mm)	1-3/8" (35 mm)	1-11/16" (42.6 mm)	5/8" (16.1 mm)	2-1/16" (53 mm)	1-1/16" (26.6 mm)	15/16" (23 mm)
R-100	3-15/16" (100 mm)	2-1/16" (52 mm)	2-1/16" (53.2 mm)	13/16" (20 mm)	3-1/8" (80 mm)	1-5/16" (33.2 mm)	1-1/16" (27.5 mm)

No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Satin Chrome
②	Link Arm	304 Stainless Steel	Plain
③	Pin A	R-43~70: 304 Stainless Steel	
		R-100: Steel	
④	Pin B	R-70: 303 Stainless Steel	
		R-43~60, 100: Stainless Steel	
⑤	Pin C	R-43~60: 304 Stainless Steel	
		R-70: 303 Stainless Steel	
		R-100: Steel	
	Roller	R-100: Steel	Nickel

h	t	D	d	C	X	Arm (qty)	Weight (g)	Box (pcs)	Carton (pcs)	Screw
3/16" (5 mm)	3/16" (5 mm)	1/4" (6.2 mm)	1/8" (3.5 mm)	1/32" (0.8 mm)	1/16" (2.3 mm)	12	37	30	300	3.1 × 16
1/4" (6 mm)	3/16" (5 mm)	1/4" (7 mm)	1/8" (3.5 mm)	1/32" (0.8 mm)	1/8" (3 mm)	8	56	20	200	3.1 × 20
1/4" (6.5 mm)	1/4" (6.5 mm)	5/16" (8.3 mm)	3/16" (4.3 mm)	1/16" (1 mm)	1/8" (3 mm)	12	94	10	100	3.5 × 20
3/8" (9 mm)	1/4" (7 mm)	3/8" (9.1 mm)	3/16" (4.6 mm)	1/16" (1.2 mm)	1/8" (3.5 mm)	12	157	10	100	4.0 × 25
3/8" (9.5 mm)	3/8" (9.5 mm)	3/8" (10 mm)	3/16" (5.3 mm)	1/16" (1.8 mm)	3/16" (4.8 mm)	16	342	10	60	4.5 × 32