LAMP®

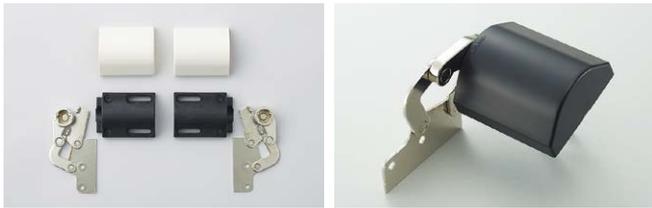## DAMPER HINGE (SURFACE MOUNT TYPE) [Lapcon] [INSTRUCTION] [VIDEO] HG-JHM20T

W/ black cover   Sold in pairs.

W/ white cover   Assembly example

Features
- Newly-added surface mount type: Easy to install without the need of recessing.
- Hinge with built-in damper UDH.
- Soft-close and smooth-open features.
- For Inset Lid.
- Cover hides mounting screws.

Remarks
- 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 works when opening the top-opening lid by about 60° or more. Otherwise, the damper may not work.

Parts Included
- Hinge plate mounting screws: binding head tapping screw 3.5 x 14 (nickel) 4 pcs
- Bracket mounting screws: binding head tapping screw 3.5 x 20 (nickel) 8 pcs

Chrome finished cover

Damper working direction
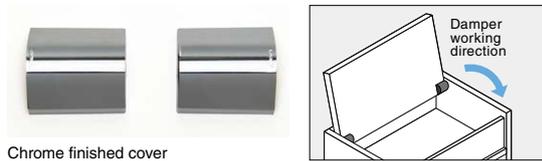
No.	Part Name	Material	Finish/Colour
①	Hinge Plate	Steel (SPCC)/Zinc Alloy (ZDC)	Nickel
②	Bracket	POM	Black
③	Cover	ABS	Black/White/Chrome
④	Damper	–	Bearing Right-handed: Grey, Left-handed: Natural

Door thickness	Standard		Chamfered Lid Edge	
	Size A	Gap	Size A	Gap
16	36	4	38	2
18			37	3
20			–	–

(S)election Tool
Sasuga-kun
Applicable Products
Used for Product Selection & Simulation.
Available on Web!

Video Link

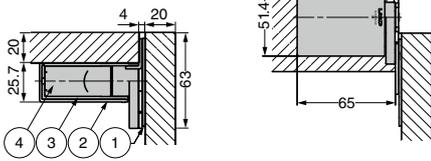### Front View
Top-opening lid closed   Top-opening lid opened by 90°
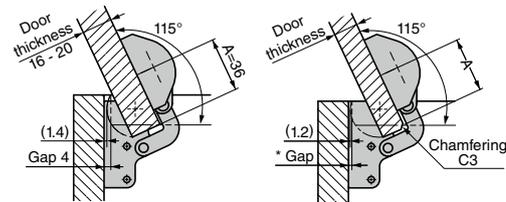

* Right-handed type shown. Left-handed type is symmetrical.
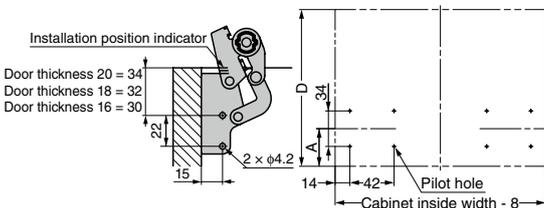
Installation
Standard   Chamfered lid edge

* Gap is decreased compared with standard when chamfered.

Hinge Plate Installation Position Cut Out Dimensions

Installation position indicator
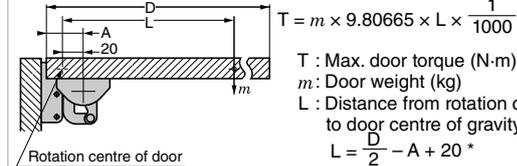
Door thickness 20 = 34
Door thickness 18 = 32
Door thickness 16 = 30

Door Weight Selection

Door Length (D)	Door Weight (m)
250	5.61 - 7.48 kg
300	4.57 - 6.09 kg
350	3.85 - 5.13 kg
400	3.33 - 4.43 kg
450	2.93 - 3.90 kg

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)

* For heterogeneous door (e.g., attached with a mirror), please refer to our website > Selection Tool Sasuga-kun > "What is the centre of gravity? What is moment?" page.

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

Rotation centre of door

CAD	Item Code	Item Name	Finish/Colour	Torque N·m/pair	Torque kgf·cm/pair	Marking Colour (Base Side)	Weight (g)	Box (pairs)	Carton (pairs)
2D 3D	170-036-328	HG-JHM20T-80BL	Black	6 - 8	61.2 - 81.6	Yellow	–	–	–
2D 3D	170-036-329	HG-JHM20T-80WT	White				–	–	–
2D 3D	170-036-839	HG-JHM20T-80CR	Chrome				–	–	–

SUGATSUNE