

# DAMPER HINGE



# HG-JHM20T

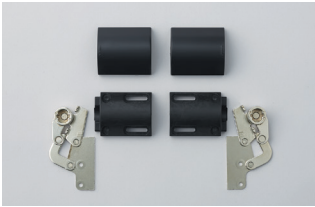
HINGES

SOFT-OPEN DAMPENING HINGES

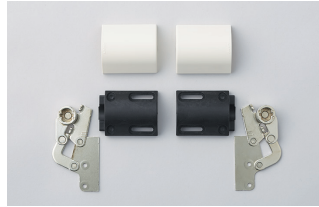


- Surface mount type: Easy to install without the need of recessing.
- Hinge with built-in UDH damper.
- Soft-close and smooth-open features.
- For Inset Lid.
- Cover hides mounting screws.
- Sold in pairs.
- Below torque range is the value when using a pair of hinges (left and right) per lid.
- When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

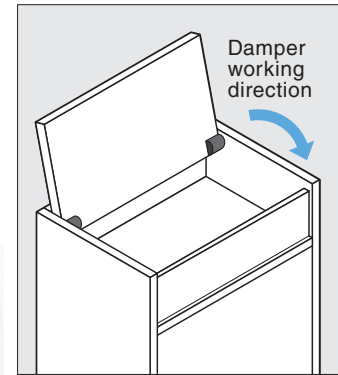
Sold in pairs.



W/ black cover



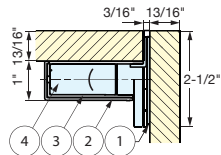
W/ white cover



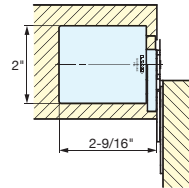
Chrome finished cover

### Front View

Top-opening lid closed



Top-opening lid opened by 90°



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

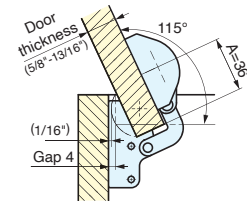
Door thickness	Standard		Chamfered Lid Edge	
	Size A	Gap	Size A	Gap
16	36	4	38	2
18			37	3
20			-	-

### Door Weight Selection

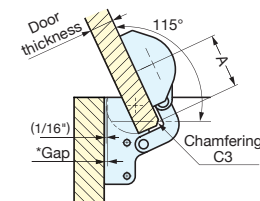
Door Length (D)	Door Weight (m)
250	5.61 - 7.48 kg
300	4.57 - 6.09 kg
350	3.85 - 5.13 kg
400	3.33 - 4.43 kg
450	2.93 - 3.90 kg

### Installation

Standard

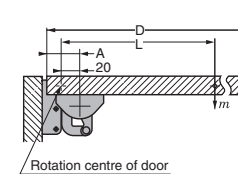


Chamfered lid edge



\* Gap is decreased compared with standard when chamfered.

### Calculation of maximum door moment (for homogeneous material)



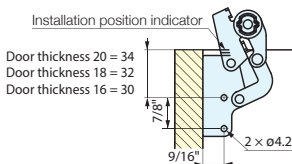
$$T = m \times 9.80665 \times L \times \frac{1}{1000}$$

- T : Max. door torque (N-m)
- m : Door weight (kg)
- L : Distance from rotation centre to door centre of gravity (mm)
- $L = \frac{D}{2} - A + 20$ \*

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

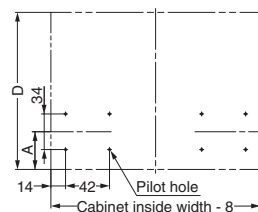
- D : Door length (mm)
- A : Bracket installation dimension (mm) (The range of A is about 36mm - 38mm)
- \* (Formula for assuming that the centre of gravity is in the centre of door)

### Hinge Plate Installation Position



Door thickness 20 = 34  
Door thickness 18 = 32  
Door thickness 16 = 30

### Cut Out Dimensions



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