

CLEAN ROOM HINGE HG-CV



Passed 40,000 open/
close private cycle test



Oval hole type



Round hole type

- Plastic caps at rotating part prevent metal-to-metal friction and metal powder scattering.
- When opening and closing door, plastic caps will not interfere with frame.
- Aluminium alloy material, light weight and excellent design.
- Round hole type, precision type and oval hole type available. For precision type, clearance between hinge leaves and plastic caps/shaft is small.

[Applications]

- Semiconductor manufacturing equipment, clean room, aluminium frame, household equipment, etc.

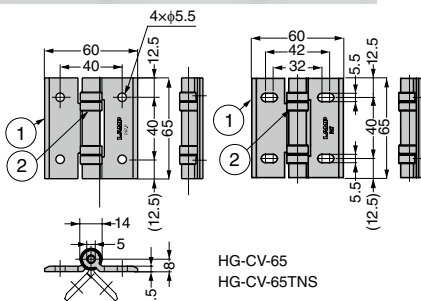
[Remarks]

- Load capacity is the value when using two hinges. For calculation conditions, please refer to INDEX 1.

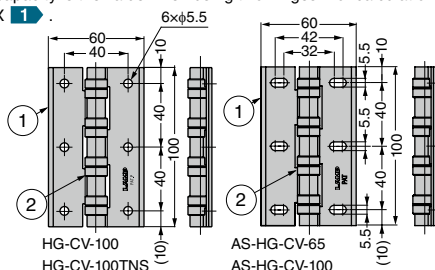
Selection Tool



Hinge Selection



HG-CV-65
HG-CV-65TNS



HG-CV-100
HG-CV-100TNS

AS-HG-CV-65
AS-HG-CV-100

RoHS	CAD	Item Code	Item Name	Type	Load Capacity N/2 pcs	Load Capacity kgf/2 pcs	Weight (g)	Box (pcs)	Carton (pcs)
		170-091-441	HG-CV-65	Round	147	15	50	20	240
		170-091-442	HG-CV-100	Hole Type	226	23	78	20	160
		170-099-151	HG-CV-65TNS	Precision	147	15	50	20	240
		170-099-152	HG-CV-100TNS	Type	226	23	78	20	160
		170-090-537	AS-HG-CV-65	Oval Hole	147	15	49	20	240
		170-090-540	AS-HG-CV-100	Type	226	23	76	20	160

Reference door weight (HG-CV65): 8kg

Reference door weight (HG-CV100): 13kg

(In case of door size W600×800, using 2 pcs vertically)

No.	Part Name	Material	Finish / Colour
①	Body	Aluminium Alloy	Anodised Silver
②	Cap	POM	White
-	Shaft	Stainless Steel (SUS303)	-

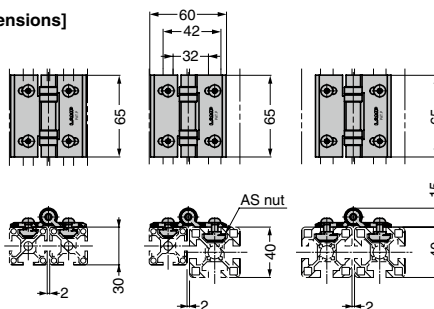
Refer to 1 : P.43



Parts Set For Installing to Aluminium Frame Please refer to the series introduction page 1 for details about AS series.



[Dimensions]



[AS Parts Set] Parts set of screws and AS nuts

RoHS	CAD	Item Code	Item Name	Aluminium Frame	Parts	Weight (g)
		170-041-527	AS-HG-CV65-30-6	Groove width 6 mm	Hinge AS-HG-CV-65: 1 pc AS nut AS-6M4: 4 pcs Hexagon socket head cap screw M4×10: 4 pcs	-
		170-041-528	AS-HG-CV65-30-8	Groove width 8 mm	Hinge AS-HG-CV-65: 1pc AS nut AS-8M5: 4 pcs Hexagon socket head cap screw M5×14: 4 pcs	-
		170-041-529	AS-HG-CV65-40-8	Groove width 10 mm	Hinge AS-HG-CV-65: 1pc AS nut AS-10M5: 4 pcs Hexagon socket head cap screw M5×14: 4 pcs	-
		170-041-530	AS-HG-CV65-40-10	Groove width 10 mm	Hinge AS-HG-CV-100: 1 pc AS nut AS-6M4: 6 pcs Hexagon socket head cap screw M4×10: 6pcs	-
		170-041-531	AS-HG-CV100-30-6	Groove width 6 mm	Hinge AS-HG-CV-100: 1pc AS nut AS-8M5: 6pcs Hexagon socket head cap screw M5×14: 6pcs	-
		170-041-532	AS-HG-CV100-30-8	Groove width 8 mm	Hinge AS-HG-CV-100: 1pc AS nut AS-10M5: 6pcs Hexagon socket head cap screw M5×14: 6pcs	-
		170-041-533	AS-HG-CV100-40-8	Groove width 10 mm	Hinge AS-HG-CV-100: 1pc AS nut AS-10M5: 6pcs Hexagon socket head cap screw M5×14: 6pcs	-
		170-041-534	AS-HG-CV100-40-10	Groove width 10 mm	Hinge AS-HG-CV-100: 1pc AS nut AS-10M5: 6pcs Hexagon socket head cap screw M5×14: 6pcs	-

Refer to 1 : P.20, 2 : P.526