

160° Opening	Overlay: 25 mm	Overlay Range: 21 - 25 mm <small>(when the bore distance is 8 mm)</small>	Recommended Door Thickness: 18 - 36 mm
---------------------	-----------------------	---	---

WIDE-ANGLE HEAVY-DUTY CONCEALED HINGE J160 Built-in Damper



- The built-in damper allows doors to close slowly providing premium door motion.
- Comes with a mounting plate and screw covers.

[Specification]

- 3-way adjustment of door position is available as below:
 - Depth : +1.5 mm / -2.5 mm
 - Vertical : ±3 mm
 - Overlay (horizontal) : +0 mm / -4 mm

[Remarks]

- Comes with a red holding pin which holds the hinge angle. Please do not detach it until the hinge is installed
- Please do not open and close the hinge while the holding pin is attached.

[Parts Included]

- Cross-recessed raised countersunk tapping screw 5×18

RcHS	CAD	Item Code	Item Name	Specification	Material	Finish	Weight (g)	Carton (pcs)
		160-044-973	J160-D22-25T-NI	Built-in Damper	Steel, Zinc Alloy (ZDC), Glass Filled Polyamide (PA)	Nickel	710	50
		160-044-974	J160-D22-25T-BN			Black Nickel	710	50

[Drawing]

[Locus Chart]
(How to use the locus chart 1)

[Bore Distance (C)] Table-1

Bore Distance (C)	3	4	5	6	7	8
Overlay (E)	20	21	22	23	24	25

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.

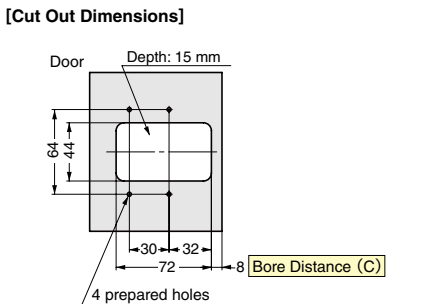
[O.C. (B)] Table-2

Door Thickness (D)	Bore Distance (C)					
	3	4	5	6	7	8
34 and under	0.1 and under					
36	0.2	0.2	0.2	0.2	0.2	0.2
38*	0.5	0.5	0.5	0.5	0.6	0.6
40*	1.0	1.0	1.1	1.2	1.3	1.4
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)

[O.C. (A)] Table-3

Door Thickness (D)	Door Width						
	300	400	500	600	700	800	900
20	1.6	1.2	1.0	0.8	0.7	0.6	0.5
30	1.9	1.4	1.2	1.0	0.8	0.7	0.7
36	1.9	1.5	1.2	1.0	0.8	0.7	0.7
O.C. (A)							



[Door Dimensions and Number of Hinges] 2

Refer to 1: No.280 P.111 2: No.280 P.100