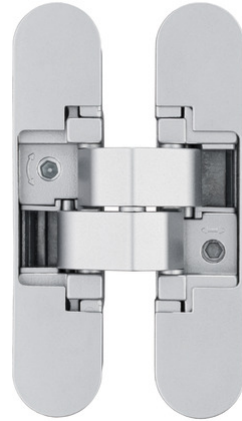


AN 170 3D

For residential interior doors



Product features

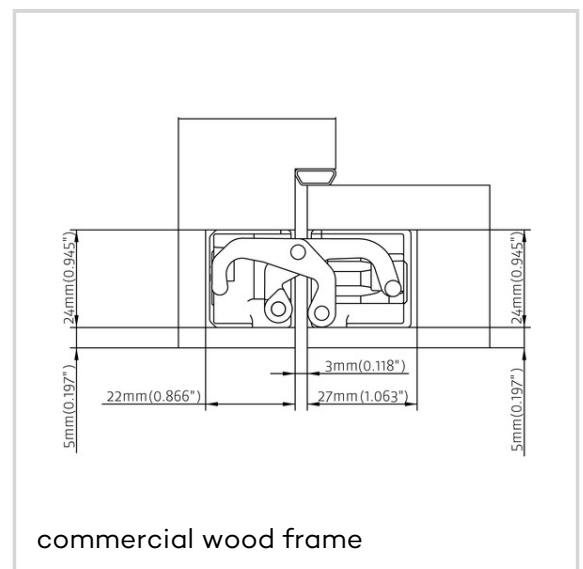
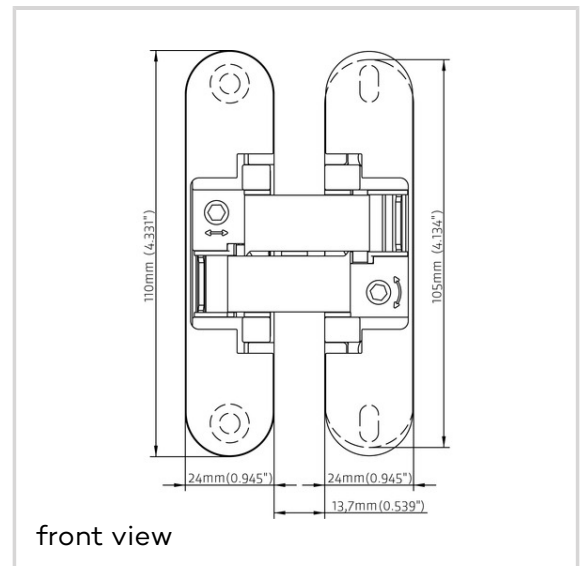
- Completely concealed hinge system
- For residential doors
- Easily adjustable in three dimensions (side +/- 1.5 mm (0.059"), height +/- 2.5 mm (0.098"), compression +/- 1.0 mm (0.039"))
- For wood and aluminum frames

Technical data

Property	Value
Load capacity	60.0 kg (132.0 lbs.)
Overall length	110.0 mm (4.331")
Width (door part)	24.0 mm (0.945")
Width (frame part)	24.0 mm (0.945")
Cutter diameter	16.0 mm
Collar ring diameter	27.0 mm
Opening angle	180°

Notes

The load capacity mentioned above refers to the use of 2 hinges per door leaf (900 x 2100 mm (35.433 x



ANSELMI - AN 170 3D

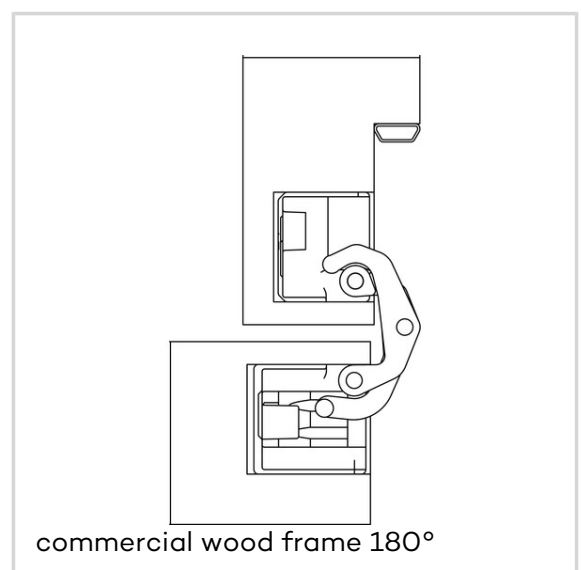
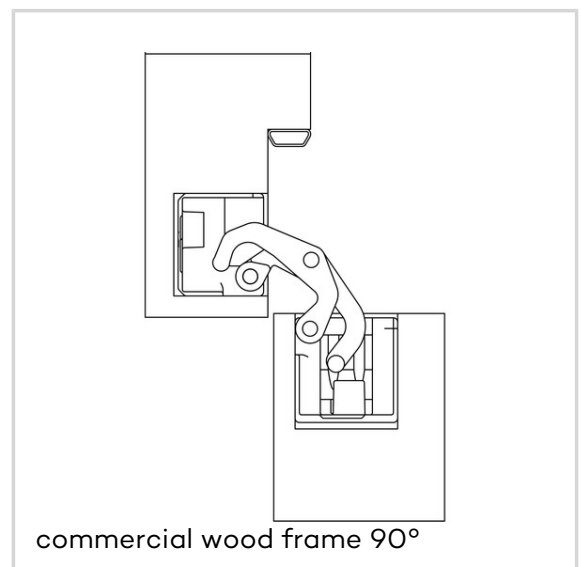
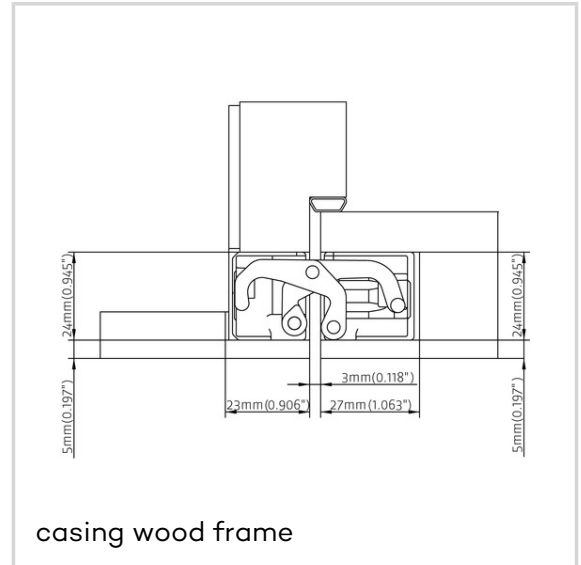
82.677"))).

Included screws: Frame side: Countersunk head screws DIN 7505 A, Diameter 4.5 mm Door side: Pan head screws DIN 7505 B, Diameter 4.5 mm

Alternatively, the routing can be carried out with a cutter diameter of 1/2" and a collar ring diameter of 1" for imperial templates.

Combinations

AN 140 3D FZ



GENERAL INFORMATION

Regarding hinge load values
Reference value **60 kg / 132 lbs.**

Overview of load values for hinges

The following table provides an overview of the maximum load value for the individual hinge type, taking the interaction of width and height of the door as well as the hinge spacing into account.

For required number of hinges and hinge spacing refer to door manufacturer recommendation.

Values represent hinges positioned 250 mm / 10" from the top and 250 mm / 10" from the bottom to center of each hinge.

Blue: load value = reference value. **Green:** load value < reference value.

→ Door panel height in mm / inch	>2743 / 108	60 / 132	60 / 132	60 / 132	60 / 132	60 / 132	60 / 132	59 / 132	57 / 125	54 / 119
	2591 / 102	60 / 132	60 / 132	60 / 132	60 / 132	60 / 132	60 / 132	58 / 132	55 / 121	52 / 114
	2438 / 96	60 / 132	60 / 132	60 / 132	60 / 132	60 / 132	59 / 130	57 / 132	54 / 119	50 / 110
	2388 / 94	60 / 132	60 / 132	60 / 132	60 / 132	60 / 132	58 / 127	55 / 132	52 / 114	49 / 108
	2337 / 92	60 / 132	60 / 132	60 / 132	60 / 132	60 / 132	59 / 130	57 / 125	54 / 125	50 / 110
	2286 / 90	60 / 132	60 / 132	60 / 132	60 / 132	60 / 132	58 / 127	55 / 121	52 / 123	49 / 108
	2235 / 88	60 / 132	60 / 132	60 / 132	60 / 132	60 / 132	57 / 125	54 / 119	50 / 119	47 / 103
	2184 / 86	60 / 132	60 / 132	60 / 132	60 / 132	60 / 132	59 / 130	55 / 121	52 / 114	49 / 114
	2134 / 84	60 / 132	60 / 132	60 / 132	60 / 132	60 / 132	58 / 127	54 / 119	50 / 110	47 / 112
	2083 / 82	60 / 132	60 / 132	60 / 132	60 / 132	60 / 132	59 / 130	57 / 125	52 / 114	49 / 108
	2032 / 80	60 / 132	60 / 132	60 / 132	60 / 132	60 / 132	58 / 127	55 / 121	50 / 110	47 / 103
	1981 / 78	60 / 132	60 / 132	60 / 132	60 / 132	60 / 132	59 / 130	57 / 125	54 / 119	49 / 108
		≤ 762 / 30	812 / 32	914 / 36	965 / 38	1016 / 40	1067 / 42	1118 / 44	1158 / 46	1219 / 48
	→ Door width in mm / inch									

The specifications above are guidelines. Especially in the case of borderline load requirements, please contact us.

Anselmi & C. S.r.l. • Via Ca' Morelli 19 • 31056 Roncade • Italy
Fon +39 (0)422/707426 • Fax +39 (0)422/840836 • info@anselmisrl.it

SIMONSWERK North America, Inc. • 1171 Universal Boulevard • Whitewater, WI 53190 • U.S.A.
Phone +1 262 - 472 - 9500 • Fax +1 262 - 472 - 0218 • info@simonswerk.com

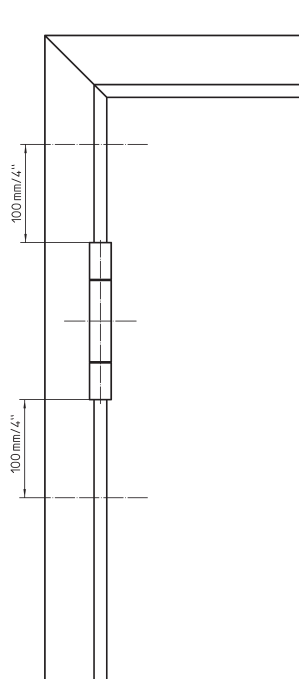
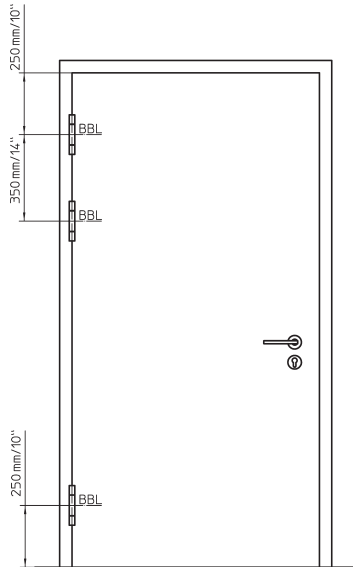
LOAD VALUES FOR HINGES

Reference details

This hinge is designed for residential interior door applications. The load specifications for Anselmi hinges are based on a maximum door weight.

Third hinge

For residential interior doors with high frequency use, we recommend installing a third hinge in the upper third of the door. The hinge must be positioned 350 mm / 14" below the upper hinge (center to center). If a third hinge is placed in a different location, e.g. the center, it does not increase the durability and load capacity. The use of a third hinge in order to increase the load capacity has to be determined on a case by case basis. Please contact us for further information and also see the door manufacturers' instructions. Proper preparation and alignment as well as tension-free adjustment are crucial for a hassle-free operation.



Frame anchoring

In order to achieve a maximum load capacity, it is necessary to anchor the frame within 100 mm / 4" above and below the upper hinge, plus in other areas as needed.

Wall openings, door stoppers

If it is necessary to use a door stopper, this should either be mounted on the wall or, instead, on the floor placed at 75 % of the door's width away from the hinge axis in the direction of the lock.

Miscellaneous

This information is only a guideline and other factors such as door material, door width, usage level, location, and environment might alter these. Therefore, it is suggested to contact SIMONSWERK North America for recommendations.

Anselmi & C. S.r.l. • Via Ca' Morelli 19 • 31056 Roncade • Italy
Fon +39 (0)422/707426 • Fax +39 (0)422/840836 • info@anselmisrl.it

SIMONSWERK North America, Inc. • 1171 Universal Boulevard • Whitewater, WI 53190 • U.S.A.
Phone +1 262 - 472 - 9500 • Fax +1 262 - 472 - 0218 • info@simonswerk.com