

Fire-rated



SOSS offers a complete line of fire-rated invisible hinges. Whether your doorway is made of wood or metal, rated 20 minutes or three hours, there is a SOSS fire-rated hinge that will comply and still give you the “uniquely invisible” hinge that you expect from SOSS.

SOSS Invisible Hinge models #418, #418SS, #220AS, #220SS, #420 and #420SS are classified in accordance with Underwriters Laboratories test standards UL10C and UBC7-2(1997).

The chart below lists the SOSS Invisible Hinges that are currently available for fire-rating.

420, 420SS

The SOSS Invisible #420 Hinges are specifically designed with square edges for metal doors.

The Underwriters Laboratories labeled #420 SOSS Invisible Hinges can be used on hollow metal, sheet metal, tin clad and steel composite swinging-type fire doors and frames rated up to and including **three hours**. Additionally, they can be used on wood core doors and frames rated up to **20 minutes**.

Use at least one fire-rated hinge for every **20"** of door height or portion thereof, or one hinge for every **60 lbs.** or fraction thereof, whichever calculation demands more hinges.

416, 416SS, 418, 418SS, 220AS, 220SS

The Underwriters Laboratories labeled 416, 416SS, 418, 418SS, 220AS, 220SS. SOSS Invisible Hinges can be used on hollow metal, sheet metal, tin clad and steel composite swinging-type fire

doors and frames rated up to and including **three hours**. They also can be used on wood core doors and frames rated up to **20 minutes**.

Additionally, they can be used on wood/plastic composite doors constructed with Georgia Pacific FS I or FS II banding for a rating up to and including **90 minutes**.

Use at least one fire-rated hinge for every **20"** of door height or portion thereof, or one hinge for every **60 lbs.** or fraction thereof, whichever calculation demands more hinges.

216/216FR, 218/218FR, 220/220FR, 218PT and 220PT

The Underwriters Laboratories labeled 216/216FR, 218/218FR, 220/220FR, 218PT and 220PT

SOSS Invisible Hinges can be used on hollow metal, sheet metal, tin clad, steel composite or wood core swinging-type fire doors and frames with **20 minute** ratings.

Use at least one fire-rated hinge for every **20"** of door height or portion thereof, or one hinge for each **60 lbs.** or fraction thereof, whichever calculation demands more hinges.

Special door and jamb preparation may be required for all fire-rated hinges.

NOTE: SOSS Invisible Hinge product specifications available on request.

Never exceed maximum door size of 4' wide by 8' tall for fire-rated doors only.

Min. Door Thickness	Description	Rating	Door Material
1 3/8"	216/216FR	20 Min.	wood or metal
1 3/4"	218/218FR, 218PT	20 Min.	wood or metal
2"	220/220FR, 220PT	20 Min.	wood or metal
1 3/8"	416, 416SS	90/180*	wood or metal
1 3/4"	418, 418SS	90/180*	wood or metal
2"	220AS, 220SS	90/180*	wood/metal
2"	420, 420SS	180	metal

* All fire rated hinges are shipped with the proper size wood and machine screws unless ordered without. Do not exceed "E" dimension.

NOTE: The hinge side door style for 90 minute wood faced doors must be a minimum of 2 1/4" wide.

