

Power Transfer Hinge



The SOSS Power Transfer Hinge gives you the ability to send power through our hinges. They are perfect for providing a route to run electrical wires from the frame into the door. This allows the transfer of electrical current to power electronic door devices, such as locks, strikes or door viewers. Two models, the 218PT and 220PT, are available. The 218PT is for doors with a 1 3/4" thickness, and the 220PT is for doors of 2" or more. Both models have been labeled by Underwriters Laboratories for use on hollow metal, sheet metal, tin clad, steel composite or wood core swinging type fire doors and frames with 20-minute ratings.

These hinges come with 4' of wires on one side and 1' on the other.

The SOSS Power Transfer Hinges are for use with **four or six wire** applications. **Maximum wire rating is 2.5 ampere at 24 volts of direct current.** For devices requiring **more than 2.5 AMP, do not use** SOSS Power Transfer Hinge. The maximum total current for a four wire hinge is two times the maximum current shown in the electrical ratings chart: two wires in, two wires out of door. The wires are 24 & 26 AWG for both the model #218PT and #220PT hinges. These wires are **not** to be connected to wires larger than 18 American wire gauge wires.

See page 40 for detailed fire rated information.

Model 218PT

Dimension	Inches	mm
A	1 1/8"	28.58 mm
B	7/8"	22.23 mm
C	4 5/8"	117.48 mm
D	3/8"	9.53 mm
E	1/4"	6.35 mm
F	2 15/32"	11.91 mm
G	1/16"	1.59 mm
H	1 41/64"	41.67 mm
I	1 3/32"	10.32 mm

Min. Mat. Thickness: 1 3/4" (44.45 mm)

Wood Screw Size: #10x1 1/2"

Soft Wood Pilot Hole: No. 43

Hard Wood Pilot Hole: No. 31

Machine Screw Size: #10-24x1"

Hinge Weight: 1.95 lb.

Model 220PT

Dimension	Inches	mm
A	1 3/8"	34.93 mm
B	1 1/16"	26.99 mm
C	5 1/2"	139.70 mm
D	1/2"	12.70 mm
E	9/32"	7.14 mm
F	2 15/16"	74.61 mm
G	1/16"	1.59 mm
H	1 63/64"	50.40 mm
I	1 5/32"	11.91 mm

Min. Mat. Thickness: 2" (50.80 mm)

Wood Screw Size: #12x1 1/2" (5.5x38 mm)

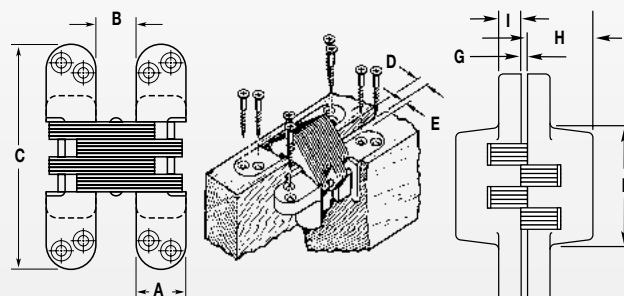
Soft Wood Pilot Hole: No. 38

Hard Wood Pilot Hole: No. 25

Machine Screw Size: #12-24x1"

Hinge Weight: 3.24 lb.

KEY TO DIMENSIONS SHOWN IN CHARTS



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