

Hinge and Strike Spacing



Standards As Tough As Steel.™

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STEEL DOOR INSTITUTE

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Cautionary Statement

The hinge and strike spacings presented in this brochure are intended as a reference to inform the reader of the standard locations used in the manufacture of steel doors and frames by SDI member companies for the opening sizes shown.

The user must be aware that these spacings shall not be relied upon when retrofitting doors or frames to an existing installation. Field verification of hinge and strike spacings in this situation is necessary.

Dimensions listed are valid at the time of publication. However, manufacturers do periodically revise their hinge and strike spacing, therefore, the SDI strongly recommends that individual manufacturers be contacted to verify dimensions.

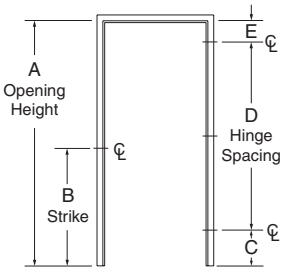
The Steel Door Institute and its member companies shall not be held liable for products manufactured using the information published here.

Notes

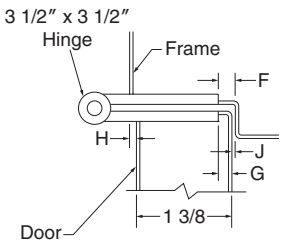
Tolerances – All values which do not carry specific tolerances or are not marked maximum or minimum shall have the following tolerances: Linear dimensions shall be $\pm 1/16$ in. (1.6 mm). Weight or force shall be $\pm 2\%$. Angles shall be ± 2 degrees. Where only minus tolerances are given, the dimensions are permitted to be exceeded at the option of the manufacturers.

Gauge vs. Thickness – While the term 'gauge' is no longer common for defining material thickness it is still used to specify doors and frames for ordering purposes. The term 'thickness' is used when defining the actual dimension of an item, and the term 'gauge' is used in the context of specifying a particular door or frame.

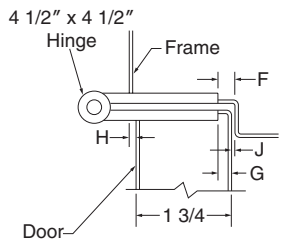
Ceco Door



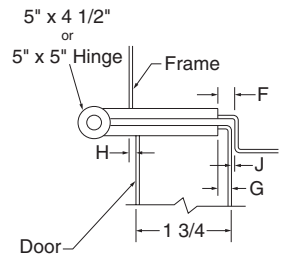
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3-1/2" Hinge & Strike Comparison for 1-3/8" Thick Doors								
A	B	C	D	E	F	G	H	J
—	—	—	—	—	—	—	—	—

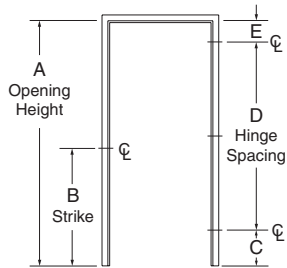


4-1/2" Hinge & Strike Comparison for 1-3/4" Thick Doors								
A	B	C	D	E	F	G	H	J
6'-8"	41-13/16"	9"	2 @ 31"	9"	5/16"	1/4"	1/8"	1/16"
6'-10"			2 @ 32"					
7'-0"			2 @ 33"					
7'-2"			2 @ 34"					
7'-4"			2 @ 35"					
7'-6"			2 @ 36"					
7'-8"			3 @ 24-21/32"					
7'-10"			3 @ 25-21/64"					
8'-0"			3 @ 26"					
9'-0"			3 @ 30"					
10'-0"			3 @ 34"					



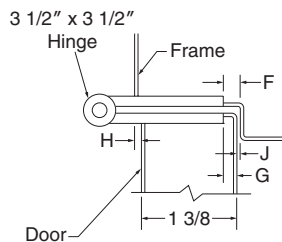
5" Hinge & Strike Comparison for 1-3/4" Thick Doors								
A	B	C	D	E	F	G	H	J
6'-8"	41-13/16"	9"	2 @ 31"	9"	5/16"	1/4"	1/8"	1/16"
6'-10"			2 @ 32"					
7'-0"			2 @ 33"					
7'-2"			2 @ 34"					
7'-4"			2 @ 35"					
7'-6"			2 @ 36"					
7'-8"			3 @ 24-21/32"					
7'-10"			3 @ 25-21/64"					
8'-0"			3 @ 26"					
9'-0"			3 @ 30"					
10'-0"			3 @ 34"					

Curries

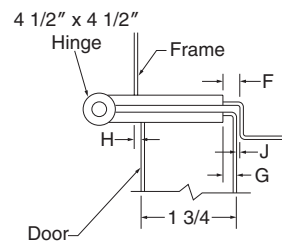


Note: Dimensions listed are valid at time of publication. However, manufacturers do periodically revise their hinge and strike spacing, therefore, the SDI strongly recommends that individual manufacturers be contacted to verify dimensions.

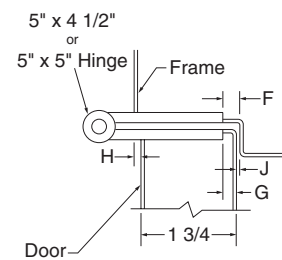
Note: On 3 1/2" hinge preparation for 1 3/8" doors, the standard for non-fire rated frames is two (2) hinges.



3-1/2" Hinge & Strike Comparison for 1-3/8" Thick Doors								
A	B	C	D	E	F	G	H	J
—	—	—	—	—	—	—	—	—

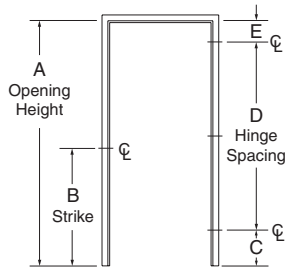


4-1/2" Hinge & Strike Comparison for 1-3/4" Thick Doors								
A	B	C	D	E	F	G	H	J
6'-8"	40"	12-1/4"	2 @ 30-1/4"	7-1/4"	5/16"	1/4"	1/8"	1/16"
6'-10"		12-1/4"	2 @ 31-1/4"					
7'-0"		12-1/4"	2 @ 32-1/4"					
7'-2"		12-1/4"	2 @ 33-1/4"					
7'-4"		12-1/4"	2 @ 34-1/4"					
7'-6"		12-1/4"	2 @ 35-1/4"					
7'-8"		12-3/8"	3 @ 24-1/8"					
7'-10"		12-1/8"	3 @ 24-7/8"					
8'-0"		12-1/4"	3 @ 25-1/2"					
9'-0"		12-1/4"	3 @ 29-1/2"					
10'-0"		12-1/4"	3 @ 33-1/2"					

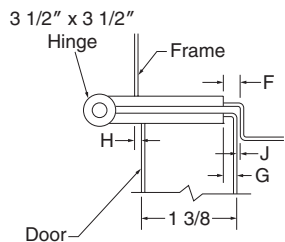


5" Hinge & Strike Comparison for 1-3/4" Thick Doors								
A	B	C	D	E	F	G	H	J
6'-8"	40"	12-1/4"	2 @ 30-1/4"	7-1/4"	5/16"	1/4"	1/8"	1/16"
6'-10"		12-1/4"	2 @ 31-1/4"					
7'-0"		12-1/4"	2 @ 32-1/4"					
7'-2"		12-1/4"	2 @ 33-1/4"					
7'-4"		12-1/4"	2 @ 34-1/4"					
7'-6"		12-1/4"	2 @ 35-1/4"					
7'-8"		12-3/8"	3 @ 24-1/8"					
7'-10"		12-1/8"	3 @ 24-7/8"					
8'-0"		12-1/4"	3 @ 25-1/2"					
9'-0"		12-1/4"	3 @ 29-1/2"					
10'-0"		12-1/4"	3 @ 33-1/2"					

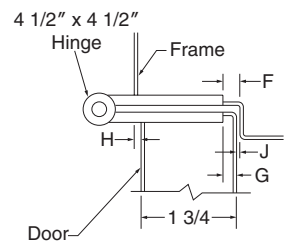
De La Fontaine Industries



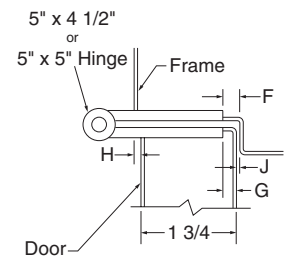
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3-1/2" Hinge & Strike Comparison for 1-3/8" Thick Doors								
A	B	C	D	E	F	G	H	J
6'-8"	40-5/16"	10-3/8"	59-7/8"	9-3/4"	5/16"	3/16"	1/16"	1/8"
6'-8"			2 @ 29-15/16"					
7'-0"			2 @ 31-15/16"					
7'-2"			2 @ 32-15/16"					



4-1/2" Hinge & Strike Comparison for 1-3/4" Thick Doors								
A	B	C	D	E	F	G	H	J
6'-8"	40-5/16"	10-3/8"	2 @ 29-15/16"	9-3/4"	3/8"	1/4"	1/16"	1/8"
6'-10"			2 @ 30-15/16"					
7'-0"			2 @ 31-15/16"					
7'-2"			2 @ 32-15/16"					
7'-4"			2 @ 33-15/16"					
7'-6"			2 @ 34-15/16"					
7'-8"			3 @ 23-61/64"					
7'-10"			3 @ 24-5/8"					
8'-0"			3 @ 25-19/64"					
9'-0"			3 @ 29-19/64"					
10'-0"			3 @ 33-19/64"					



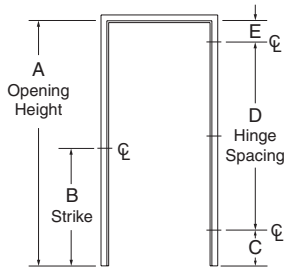
5" Hinge & Strike Comparison for 1-3/4" Thick Doors								
A	B	C	D	E	F	G	H	J
6'-8"	40-5/16"	10-3/8"	2 @ 29-15/16"	9-3/4"	3/8"	1/4"	1/16"	1/8"
6'-10"			2 @ 30-15/16"					
7'-0"			2 @ 31-15/16"					
7'-2"			2 @ 32-15/16"					
7'-4"			2 @ 33-15/16"					
7'-6"			2 @ 34-15/16"					
7'-8"			3 @ 23-61/64"					
7'-10"			3 @ 24-5/8"					
8'-0"			3 @ 25-19/64"					
9'-0"			3 @ 29-19/64"					
10'-0"			3 @ 33-19/64"					



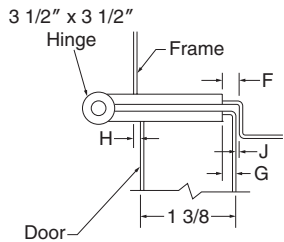
Documents

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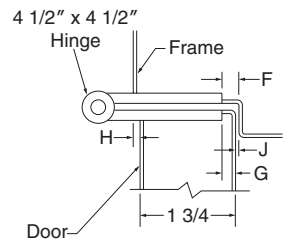
Deansteel Manufacturing Co.



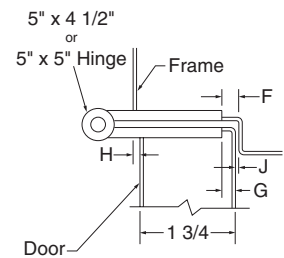
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3-1/2" Hinge & Strike Comparison for 1-3/8" Thick Doors								
A	B	C	D	E	F	G	H	J
6'-8"			61-1/2"					
7'-0"	40-5/16"	11-3/4"	2 @ 32-3/4"	6-3/4"	5/16"	1/4"	1/8"	1/16"
7'-2"			2 @ 33-3/4"					

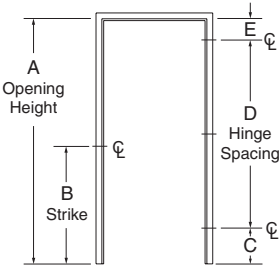


4-1/2" Hinge & Strike Comparison for 1-3/4" Thick Doors								
A	B	C	D	E	F	G	H	J
6'-8"			2 @ 30-1/4"					
6'-10"			2 @ 31-1/4"					
7'-0"			2 @ 32-1/4"					
7'-2"			2 @ 33-1/4"					
7'-4"			2 @ 34-1/4"					
7'-6"	40-5/16"	12-1/4"	2 @ 35-1/4"	7-1/4"	5/16"	1/4"	1/8"	1/16"
7'-8"			24-1/8", 24-1/4", 24-1/8"					
7'-10"			24-7/8", 24-3/4", 24-7/8"					
8'-0"			3 @ 25-1/2"					
9'-0"			3 @ 29-1/2"					
10'-0"			3 @ 33-1/2"					

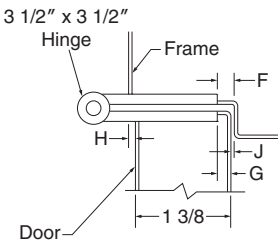


5" Hinge & Strike Comparison for 1-3/4" Thick Doors								
A	B	C	D	E	F	G	H	J
6'-8"		12-1/2"	2 @ 30"					
6'-10"		12-1/2"	2 @ 31"					
7'-0"		12-1/2"	2 @ 32"					
7'-2"		12-1/2"	2 @ 33"					
7'-4"		12-1/2"	2 @ 34"					
7'-6"	40-5/16"	12-1/2"	2 @ 35"	7-1/2"	5/16"	1/4"	1/8"	1/16"
7'-8"		12-1/2"	3 @ 24"					
7'-10"		12-1/2"	24-5/8", 24-3/4", 24-5/8"					
8'-0"		12-1/2"	25-3/8", 25-1/4", 25-3/8"					
9'-0"		12-9/16"	3 @ 29-5/16"					
10'-0"		12-9/16"	3 @ 33-5/16"					

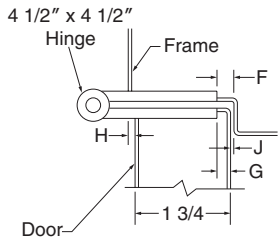
Door Components Inc.



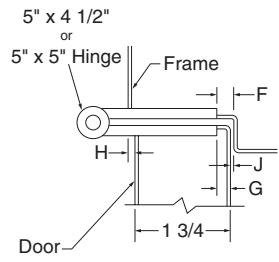
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3-1/2" Hinge & Strike Comparison for 1-3/8" Thick Doors								
A	B	C	D	E	F	G	H	J
6'-8"	40-5/16"	10-3/8"	2 @ 29-15/16"	9-3/4"	5/16"	1/4"	1/8"	1/16"
7'-0"			2 @ 31-15/16"					
7'-2"			2 @ 32-15/16"					

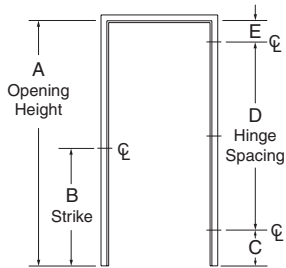


4-1/2" Hinge & Strike Comparison for 1-3/4" Thick Doors								
A	B	C	D	E	F	G	H	J
6'-8"	40-5/16"	10-3/8"	2 @ 29-15/16"	9-3/4"	5/16"	1/4"	1/8"	1/16"
6'-10"			2 @ 30-15/16"					
7'-0"			2 @ 31-15/16"					
7'-2"			2 @ 32-15/16"					
7'-4"			2 @ 33-15/16"					
7'-6"			2 @ 34-15/16"					
7'-8"			23-15/16", 24", 23-15/16"					
7'-10"			3 @ 24-5/8"					
8'-0"			25-5/16", 25-1/4", 25-5/16"					
9'-0"			29-5/16", 29-1/4", 29-5/16"					
10'-0"			33-5/16", 33-1/4", 33-5/16"					

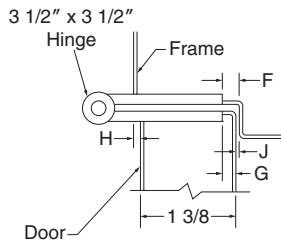


5" Hinge & Strike Comparison for 1-3/4" Thick Doors								
A	B	C	D	E	F	G	H	J
6'-8"	40-5/16"	10-3/8"	2 @ 29-15/16"	9-3/4"	5/16"	1/4"	1/8"	1/16"
6'-10"			2 @ 30-15/16"					
7'-0"			2 @ 31-15/16"					
7'-2"			2 @ 32-15/16"					
7'-4"			2 @ 33-15/16"					
7'-6"			2 @ 34-15/16"					
7'-8"			23-15/16", 24", 23-15/16"					
7'-10"			3 @ 24-5/8"					
8'-0"			25-5/16", 25-1/4", 25-5/16"					
9'-0"			29-5/16", 29-1/4", 29-5/16"					
10'-0"			33-5/16", 33-1/4", 33-5/16"					

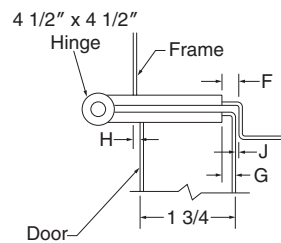
Hollow Metal Xpress (HMX)



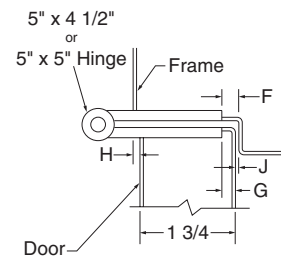
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3-1/2" Hinge & Strike Comparison for 1-3/8" Thick Doors								
A	B	C	D	E	F	G	H	J
—	—	—	—	—	—	—	—	—



4-1/2" Hinge & Strike Comparison for 1-3/4" Thick Doors								
A	B	C	D	E	F	G	H	J
6'-8"	40-5/16"	10-3/8"	2 @ 29-15/16"	9-3/4"	3/8"	1/4"	1/16"	1/8"
6'-10"			2 @ 30-15/16"					
7'-0"			2 @ 31-15/16"					
7'-2"			2 @ 32-15/16"					
7'-4"			2 @ 33-15/16"					
7'-6"			2 @ 34-15/16"					
7'-8"			3 @ 23-61/64"					
7'-10"			3 @ 24-5/8"					
8'-0"			3 @ 25-19/64"					
9'-0"			3 @ 29-19/64"					
10'-0"			3 @ 33-19/64"					



5" Hinge & Strike Comparison for 1-3/4" Thick Doors								
A	B	C	D	E	F	G	H	J
6'-8"	40-5/16"	10-3/8"	2 @ 29-15/16"	9-3/4"	3/8"	1/4"	1/16"	1/8"
6'-10"			2 @ 30-15/16"					
7'-0"			2 @ 31-15/16"					
7'-2"			2 @ 32-15/16"					
7'-4"			2 @ 33-15/16"					
7'-6"			2 @ 34-15/16"					
7'-8"			3 @ 23-61/64"					
7'-10"			3 @ 24-5/8"					
8'-0"			3 @ 25-19/64"					
9'-0"			3 @ 29-19/64"					
10'-0"			3 @ 33-19/64"					