

Hollow Metal Doors

SOUND RESISTANT (STC48)

SPECIFICATIONS

Door	16 GA. Cold-rolled Steel ASTM A1008 / A1008M
Door Thickness	1-3/4"
Paint	Prime Painted
Hinge Prep	Non-handed 4-1/2" 7 GA. Can accommodate heavyweight hinges
Construction	Perimeter Channels with Center Edge Seam Square Edges and Non-Handed
Channels	Top & Bottom inverted 16 GA. Vertical Edge Channels 16 GA.
Insulation	Proprietary
Closer Reinforcement	14 GA Cold-rolled Steel
Frame	14 GA Cold Rolled Steel Full Throat Welded
Threshold and Seals	Included

OPTIONS*

Door Types	FLUSH ONLY
Door Sizes	2'-0" x 6'-8" up to 4'-0" x 8'-0"
Galvannealed Steel	ASTM A653 / A653M – A60
Lock Preps	161, 86 edge and RIM / SVR

* Some options are mutually exclusive

INDEPENDENT VERIFICATION AND QUALIFICATION TESTING

RIVERBANK ACOUSTICAL LABORATORIES
ASTM E90-97



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TEST RESULTS

Sound transmission loss values are tabulated at the eighteen standard frequencies. A graphic presentation of the data and additional information appear on the following pages. The precision of the TL test data are within the limits set by the ASTM Standard E90-97.

FREQ.	T.L.	C.L.	DEF.	FREQ.	T.L.	C.L.	DEF.
100	24	0.12	0	800	51	0.23	0
125	31	0.25	1	1000	51	0.27	0
160	35	0.24	0	1250	50	0.25	2
200	40	0.27	0	1600	49	0.23	3
250	41	0.29	0	2000	49	0.19	3
315	44	0.28	0	2500	45	0.18	7
400	46	0.31	1	3150	48	0.11	4
500	48	0.30	0	4000	49	0.09	3
630	50	0.23	0	5000	52	0.09	0

STC = 48

ABBREVIATION INDEX

- FREQ. = FREQUENCY, HERTZ, (cps)
- T.L. = TRANSMISSION LOSS, dB
- C.L. = UNCERTAINTY IN dB, FOR A 95% CONFIDENCE LIMIT
- DEF. = DEFICIENCIES, dB<STC CONTOUR
- STC = SOUND TRANSMISSION CLASS

TRANSMISSION LOSS REPORT

RAL-TL99-107

