



**Decoupling Connectors**  
**STRUCTURAL VIBRATION ISOLATION**

## STC comparisons in wood and light gauge metal wall assemblies

conventionally framed 24" on centers

with HushFrame decoupling

Frame	Cavity Gypsum	Depth	STC
2-1/2" metal	R-13 2x 5/8"	3-3/4"	42
2-1/2" metal	R-13 3x 5/8"	4-3/8"	45
2-1/2" metal	R-13 4x 5/8"	5"	48

Depth	STC
4-3/4"	54
5-3/8"	60
6"	64

3-5/8" metal	R-13 2x 5/8"	4-7/8"	44
3-5/8" metal	R-13 3x 5/8"	5-1/2"	47
3-5/8" metal	R-13 4x 5/8"	6-1/8"	50
3-5/8" metal	R-19 4x 5/8"	6-1/8"	51

5-7/8"	58
6-1/2"	62
7-1/8"	65
7-1/8"	66

w/ shear

2" x 4" wood	R-13 2x 5/8"	4-3/4"	36
2" x 4" wood	R-13 3x 5/8"	5-3/8"	39
2" x 4" wood	R-13 4x 5/8"	6"	45

5-3/4"	53	55
6-3/8"	57	59
7"	60	62

2" x 6" wood	R-19 2x 5/8"	6-3/4"	39
2" x 6" wood	R-19 3x 5/8"	7-3/8"	42
2" x 6" wood	R-19 4x 5/8"	8"	48

7-3/4"	56	57
8-3/8"	60	61
9"	63	64

2" x 4" wood framed exterior walls with HushFrame  
R-13 batts, 1x 5/8" gypsum, 1/2" OSB, Hardi panel on 3/4" rainscreen

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2" x 6" wood framed exterior walls with HushFrame  
R-19 batts, 1x 5/8" gypsum, 1/2" OSB, Hardi panel on 3/4" rainscreen

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