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- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

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[Design Criteria and Allowable Variances](#)

[See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada](#)

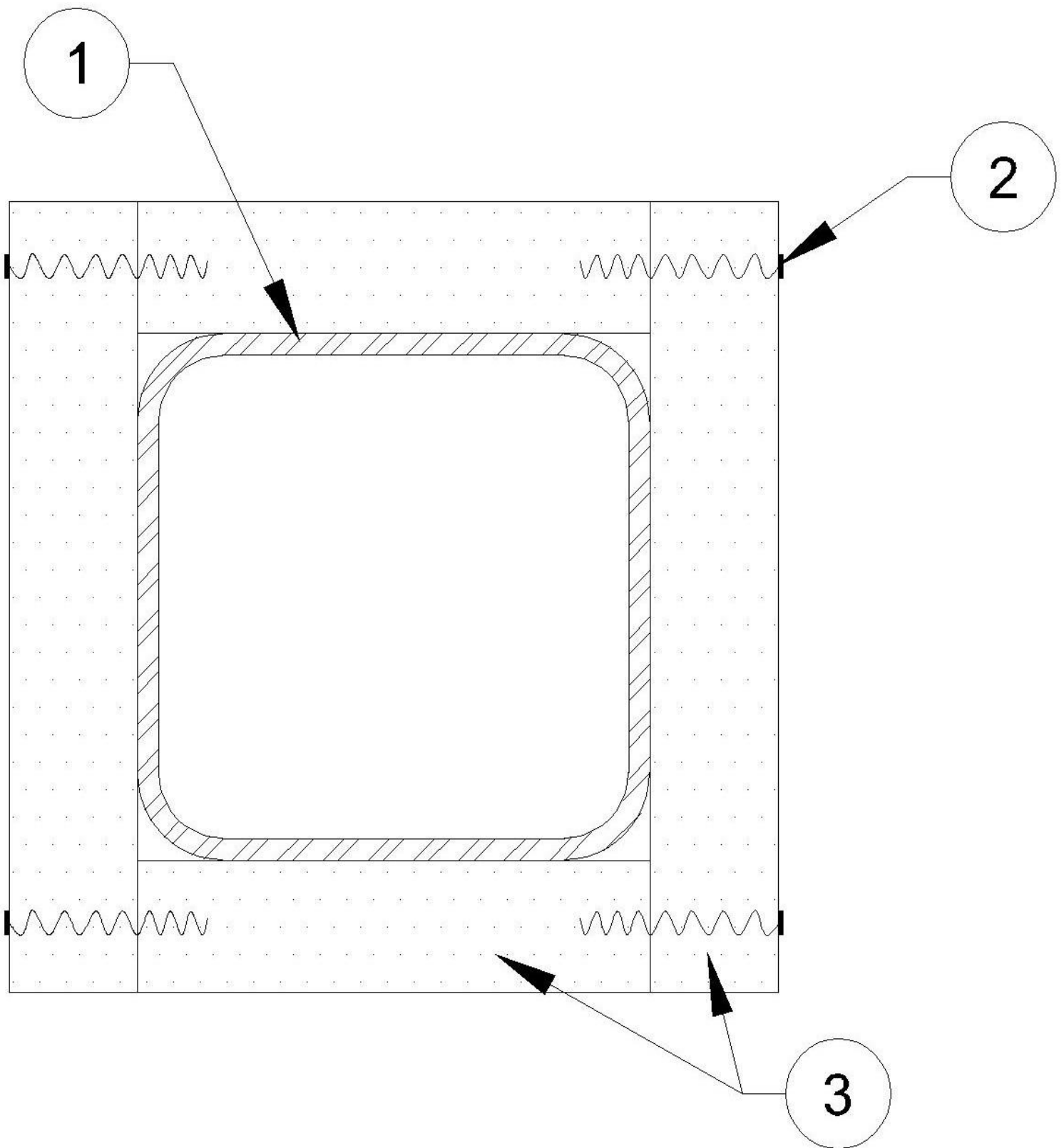
[Design Criteria and Allowable Variances](#)

Design No. X317

September 28, 2026

Rating — 1, 1-1/2, and 2 Hr

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. Steel Column — Rectangular or square tube steel column, min size shown in the table in Item No. 2.

2. Fasteners — Spiral-screw like fixings, with a 0.75 in. (19mm) diameter head, 0.3 in. (7.6 mm) diameter shaft and fabricated from a 0.06 in. (1.5 mm) diameter wire, made in a variety of lengths.

Fasteners spaced a maximum of 6 in. (150 mm) OC. The fasteners are installed on both sides of joints, nominal 1 in (25 mm) from ends and mid-depth of the adjacent boards. Fastener length is a minimum of twice the board thickness, with a minimum length of 1-5/8 in. (40 mm). For columns with faces wider than 16 in. (406 mm), boards require additional support in the form of 1/8 in. dia. welded steel pins used with 1-1/2 in. dia. non-return washers along the centerline of the steel surface, spaced at a maximum of 2 ft. OC (610 mm). Steel pins are not required on faces that are 16 in (406 mm) or less.

3. Mineral and Fiber Boards — Boards cut and attached to columns at the thickness described in the table below. The boards are to be installed on the structural steel tube in a single layer to achieve their respective hourly rating as specified in the table below. Boards placed parallel with the face of the columns are cut to the width of the face. Boards placed parallel with the opposing faces of the columns are cut to the width of the face plus twice the board thickness. Boards are secured to each other with fasteners (see Item 2) installed mid-depth of the adjacent boards.

Min. Required Thickness (mm) for Hourly Rating Period

Size	A/P	1 HR	1-1/2 HR	2 HR
HSS 5 x 3 x 5/16	0.273	25	50	70
HSS 4 x 4 x 5/16	0.273	25	50	70
HSS 6 x 3 x 5/16	0.275	25	50	70
HSS 5 x 4 x 5/16	0.275	25	50	70
HSS 4-1/2 x 4-1/2 x 5/16	0.275	25	50	70
HSS 8 x 2 x 5/16	0.277	25	50	70
HSS 7 x 3 x 5/16	0.277	25	50	70
HSS 6 x 4 x 5/16	0.277	25	50	70
HSS 5 x 5 x 5/16	0.277	25	50	70
HSS 8 x 3 x 5/16	0.278	25	50	70
HSS 7 x 4 x 5/16	0.278	25	50	70
HSS 6 x 5 x 5/16	0.278	25	50	70
HSS 5-1/2 x 5-1/2 x 5/16	0.278	25	50	70
HSS 10 x 2 x 5/16	0.279	25	50	70
HSS 9 x 3 x 5/16	0.279	25	50	70
HSS 8 x 4 x 5/16	0.279	25	50	70
HSS 7 x 5 x 5/16	0.279	25	50	70
HSS 6 x 6 x 5/16	0.279	25	50	70
HSS 10 x 3 x 5/16	0.280	25	50	70
HSS 10 x 4 x 5/16	0.281	25	50	70
HSS 9 x 5 x 5/16	0.281	25	50	70

HSS 8 x 6 x 5/16	0.281	25	50	70
HSS 7 x 7 x 5/16	0.281	25	50	70
HSS 12 x 4 x 5/16	0.282	25	50	70
HSS 12 x 3-1/2 x 5/16	0.282	25	50	70
HSS 12 x 3 x 5/16	0.282	25	50	70
HSS 10 x 6 x 5/16	0.282	25	50	70
HSS 10 x 5 x 5/16	0.282	25	50	70
HSS 9 x 7 x 5/16	0.282	25	50	70
HSS 8 x 8 x 5/16	0.282	25	50	70
HSS 14 x 4 x 5/16	0.283	25	50	70
HSS 12 x 6 x 5/16	0.283	25	50	70
HSS 10 x 8 x 5/16	0.283	25	50	70
HSS 16 x 4 x 5/16	0.284	25	50	70
HSS 14 x 6 x 5/16	0.284	25	50	70
HSS 12 x 8 x 5/16	0.284	25	50	70
HSS 10 x 10 x 5/16	0.284	25	50	70
HSS 20 x 4 x 5/16	0.285	25	50	70
HSS 18 x 6 x 5/16	0.285	25	50	70
HSS 16 x 8 x 5/16	0.285	25	50	70
HSS 14 x 10 x 5/16	0.285	25	50	70
HSS 12 x 12 x 5/16	0.285	25	50	70
HSS 12 x 10 x 5/16	0.285	25	50	70
HSS 20 x 8 x 5/16	0.286	25	40	70
HSS 16 x 12 x 5/16	0.286	25	40	70
HSS 14 x 14 x 5/16	0.286	25	40	70
HSS 20 x 12 x 5/16	0.287	25	40	70
HSS 16 x 16 x 5/16	0.287	25	40	70

HSS 4 x 2 x 3/8	0.314	25	40	60
HSS 3-1/2 x 2-1/2 x 3/8	0.314	25	40	60
HSS 3 x 3 x 3/8	0.314	25	40	60
HSS 5 x 2 x 3/8	0.319	25	40	60
HSS 4 x 3 x 3/8	0.319	25	40	60
HSS 3-1/2 x 3-1/2 x 3/8	0.319	25	40	60
HSS 6 x 2 x 3/8	0.323	25	40	60
HSS 5 x 3 x 3/8	0.323	25	40	60
HSS 4 x 4 x 3/8	0.323	25	40	60
HSS 6 x 3 x 3/8	0.326	25	40	60
HSS 5 x 4 x 3/8	0.326	25	40	60
HSS 4-1/2 x 4-1/2 x 3/8	0.326	25	40	60
HSS 8 x 2 x 3/8	0.329	25	40	60
HSS 7 x 3 x 3/8	0.329	25	40	60
HSS 6 x 4 x 3/8	0.329	25	40	60
HSS 5 x 5 x 3/8	0.329	25	40	60
HSS 8 x 3 x 3/8	0.331	25	40	60
HSS 7 x 4 x 3/8	0.331	25	40	60
HSS 6 x 5 x 3/8	0.331	25	40	60
HSS 5-1/2 x 5-1/2 x 3/8	0.331	25	40	60
HSS 10 x 2 x 3/8	0.332	25	40	60
HSS 9 x 3 x 3/8	0.332	25	40	60
HSS 8 x 4 x 3/8	0.332	25	40	60
HSS 7 x 5 x 3/8	0.332	25	40	60
HSS 6 x 6 x 3/8	0.332	25	40	60
HSS 10 x 3 x 3/8	0.334	25	40	60
HSS 10 x 4 x 3/8	0.335	25	40	60

HSS 9 x 5 x 3/8	0.335	25	40	60
HSS 8 x 6 x 3/8	0.335	25	40	60
HSS 7 x 7 x 3/8	0.335	25	40	60
HSS 12 x 3-1/2 x 3/8	0.336	25	40	60
HSS 10 x 5 x 3/8	0.336	25	40	60
HSS 12 x 4 x 3/8	0.337	25	40	60
HSS 10 x 6 x 3/8	0.337	25	40	60
HSS 9 x 7 x 3/8	0.337	25	40	60
HSS 8 x 8 x 3/8	0.337	25	40	60
HSS 14 x 4 x 3/8	0.338	25	40	60
HSS 12 x 6 x 3/8	0.338	25	40	60
HSS 10 x 8 x 3/8	0.338	25	40	60
HSS 16 x 4 x 3/8	0.339	25	40	60
HSS 14 x 6 x 3/8	0.339	25	40	60
HSS 12 x 8 x 3/8	0.339	25	40	60
HSS 10 x 10 x 3/8	0.339	25	40	60
HSS 12 x 10 x 3/8	0.340	25	40	60
HSS 20 x 4 x 3/8	0.341	25	40	60
HSS 18 x 6 x 3/8	0.341	25	40	60
HSS 16 x 8 x 3/8	0.341	25	40	60
HSS 14 x 12 x 3/8	0.341	25	40	60
HSS 14 x 10 x 3/8	0.341	25	40	60
HSS 12 x 12 x 3/8	0.341	25	40	60
HSS 20 x 8 x 3/8	0.342	25	40	60
HSS 18 x 12 x 3/8	0.342	25	40	60
HSS 16 x 12 x 3/8	0.342	25	40	60
HSS 14 x 14 x 3/8	0.342	25	40	60

HSS 20 x 12 x 3/8	0.343	25	40	60
HSS 16 x 16 x 3/8	0.343	25	40	60
HSS 5 x 3 x 1/2	0.418	20	25	40
HSS 4 x 4 x 1/2	0.418	20	25	40
HSS 6 x 3 x 1/2	0.424	20	25	40
HSS 5 x 4 x 1/2	0.424	20	25	40
HSS 4-1/2 x 4-1/2 x 1/2	0.424	20	25	40
HSS 7 x 3 x 1/2	0.428	20	20	40
HSS 6 x 4 x 1/2	0.428	20	20	40
HSS 5 x 5 x 1/2	0.428	20	20	40
HSS 8 x 3 x 1/2	0.432	20	20	40
HSS 7 x 4 x 1/2	0.432	20	20	40
HSS 9 x 3 x 1/2	0.435	20	20	40
HSS 8 x 4 x 1/2	0.435	20	20	40
HSS 7 x 5 x 1/2	0.435	20	20	40
HSS 6 x 6 x 1/2	0.435	20	20	40
HSS 10 x 4 x 1/2	0.439	20	20	40
HSS 9 x 5 x 1/2	0.439	20	20	40
HSS 8 x 6 x 1/2	0.439	20	20	40
HSS 7 x 7 x 1/2	0.439	20	20	40
HSS 12 x 4 x 1/2	0.443	20	20	40
HSS 10 x 6 x 1/2	0.443	20	20	40
HSS 9 x 7 x 1/2	0.443	20	20	40
HSS 8 x 8 x 1/2	0.443	20	20	40
HSS 14 x 4 x 1/2	0.445	20	20	40
HSS 12 x 6 x 1/2	0.445	20	20	40
HSS 10 x 8 x 1/2	0.445	20	20	40

HSS 16 x 4 x 1/2	0.447	20	20	40
HSS 14 x 6 x 1/2	0.447	20	20	40
HSS 12 x 8 x 1/2	0.447	20	20	40
HSS 10 x 10 x 1/2	0.447	20	20	40
HSS 12 x 10 x 1/2	0.449	20	20	40
HSS 20 x 4 x 1/2	0.450	20	20	40
HSS 18 x 6 x 1/2	0.450	20	20	40
HSS 16 x 8 x 1/2	0.450	20	20	40
HSS 14 x 10 x 1/2	0.450	20	20	40
HSS 12 x 12 x 1/2	0.450	20	20	40
HSS 14 x 12 x 1/2	0.452	20	20	40
HSS 20 x 8 x 1/2	0.453	20	20	40
HSS 18 x 12 x 1/2	0.453	20	20	40
HSS 16 x 12 x 1/2	0.453	20	20	40
HSS 14 x 14 x 1/2	0.453	20	20	40
HSS 20 x 12 x 1/2	0.454	20	20	40
HSS 16 x 16 x 1/2	0.454	20	20	40
HSS 8 x 4 x 5/8	0.533	20	20	30
HSS 7 x 5 x 5/8	0.533	20	20	30
HSS 6 x 6 x 5/8	0.533	20	20	30
HSS 10 x 4 x 5/8	0.540	20	20	30
HSS 9 x 5 x 5/8	0.540	20	20	30
HSS 8 x 6 x 5/8	0.540	20	20	30
HSS 7 x 7 x 5/8	0.540	20	20	30
HSS 12 x 4 x 5/8	0.546	20	20	30
HSS 10 x 6 x 5/8	0.546	20	20	30
HSS 9 x 7 x 5/8	0.546	20	20	30

HSS 8 x 8 x 5/8	0.546	20	20	30
HSS 14 x 4 x 5/8	0.550	20	20	30
HSS 12 x 6 x 5/8	0.550	20	20	30
HSS 14 x 6 x 5/8	0.553	20	20	30
HSS 12 x 8 x 5/8	0.553	20	20	30
HSS 10 x 10 x 5/8	0.553	20	20	30
HSS 18 x 6 x 5/8	0.558	20	20	30
HSS 16 x 8 x 5/8	0.558	20	20	30
HSS 14 x 10 x 5/8	0.558	20	20	30
HSS 12 x 12 x 5/8	0.558	20	20	30
HSS 20 x 8 x 5/8	0.561	20	20	30
HSS 16 x 12 x 5/8	0.561	20	20	30
HSS 14 x 14 x 5/8	0.561	20	20	30
HSS 18 x 12 x 5/8	0.563	20	20	30
HSS 20 x 12 x 5/8	0.564	20	20	30
HSS 16 x 16 x 5/8	0.564	20	20	30
HSS 16 x 16 x 11/16	0.619	20	20	25
HSS 16 x 16 x 3/4	0.672	20	20	20
HSS 30 x 30 x 1	0.907	20	20	20

The thicknesses in the table below are conversions from the metric table above, with rounding up to the nearest 1/8" (20 mm rounded to 13/16").

Min. Required Thickness (in) for Hourly Rating Period

Size	A/P	1 HR	1-1/2 HR	2 HR
HSS 5 x 3 x 5/16	0.273	1	2	2 7/8
HSS 4 x 4 x 5/16	0.273	1	2	2 7/8
HSS 6 x 3 x 5/16	0.275	1	2	2 7/8

HSS 5 x 4 x 5/16	0.275	1	2	2 7/8
HSS 4-1/2 x 4-1/2 x 5/16	0.275	1	2	2 7/8
HSS 8 x 2 x 5/16	0.277	1	2	2 7/8
HSS 7 x 3 x 5/16	0.277	1	2	2 7/8
HSS 6 x 4 x 5/16	0.277	1	2	2 7/8
HSS 5 x 5 x 5/16	0.277	1	2	2 7/8
HSS 8 x 3 x 5/16	0.278	1	2	2 7/8
HSS 7 x 4 x 5/16	0.278	1	2	2 7/8
HSS 6 x 5 x 5/16	0.278	1	2	2 7/8
HSS 5-1/2 x 5-1/2 x 5/16	0.278	1	2	2 7/8
HSS 10 x 2 x 5/16	0.279	1	2	2 7/8
HSS 9 x 3 x 5/16	0.279	1	2	2 7/8
HSS 8 x 4 x 5/16	0.279	1	2	2 7/8
HSS 7 x 5 x 5/16	0.279	1	2	2 7/8
HSS 6 x 6 x 5/16	0.279	1	2	2 7/8
HSS 10 x 3 x 5/16	0.280	1	2	2 7/8
HSS 10 x 4 x 5/16	0.281	1	2	2 7/8
HSS 9 x 5 x 5/16	0.281	1	2	2 7/8
HSS 8 x 6 x 5/16	0.281	1	2	2 7/8
HSS 7 x 7 x 5/16	0.281	1	2	2 7/8
HSS 12 x 4 x 5/16	0.282	1	2	2 7/8
HSS 12 x 3 1/2 x 5/16	0.282	1	2	2 7/8
HSS 12 x 3 x 5/16	0.282	1	2	2 7/8
HSS 10 x 6 x 5/16	0.282	1	2	2 7/8
HSS 10 x 5 x 5/16	0.282	1	2	2 7/8
HSS 9 x 7 x 5/16	0.282	1	2	2 7/8
HSS 8 x 8 x 5/16	0.282	1	2	2 7/8

HSS 14 x 4 x 5/16	0.283	1	2	2 7/8
HSS 12 x 6 x 5/16	0.283	1	2	2 7/8
HSS 10 x 8 x 5/16	0.283	1	2	2 7/8
HSS 16 x 4 x 5/16	0.284	1	2	2 7/8
HSS 14 x 6 x 5/16	0.284	1	2	2 7/8
HSS 12 x 8 x 5/16	0.284	1	2	2 7/8
HSS 10 x 10 x 5/16	0.284	1	2	2 7/8
HSS 20 x 4 x 5/16	0.285	1	2	2 7/8
HSS 18 x 6 x 5/16	0.285	1	2	2 7/8
HSS 16 x 8 x 5/16	0.285	1	2	2 7/8
HSS 14 x 10 x 5/16	0.285	1	2	2 7/8
HSS 12 x 12 x 5/16	0.285	1	2	2 7/8
HSS 12 x 10 x 5/16	0.285	1	2	2 7/8
HSS 20 x 8 x 5/16	0.286	1	1 5/8	2 7/8
HSS 16 x 12 x 5/16	0.286	1	1 5/8	2 7/8
HSS 14 x 14 x 5/16	0.286	1	1 5/8	2 7/8
HSS 20 x 12 x 5/16	0.287	1	1 5/8	2 7/8
HSS 16 x 16 x 5/16	0.287	1	1 5/8	2 7/8
HSS 4 x 2 x 3/8	0.314	1	1 5/8	2 3/8
HSS 3-1/2 x 2-1/2 x 3/8	0.314	1	1 5/8	2 3/8
HSS 3 x 3 x 3/8	0.314	1	1 5/8	2 3/8
HSS 5 x 2 x 3/8	0.319	1	1 5/8	2 3/8
HSS 4 x 3 x 3/8	0.319	1	1 5/8	2 3/8
HSS 3-1/2 x 3-1/2 x 3/8	0.319	1	1 5/8	2 3/8
HSS 6 x 2 x 3/8	0.323	1	1 5/8	2 3/8
HSS 5 x 3 x 3/8	0.323	1	1 5/8	2 3/8
HSS 4 x 4 x 3/8	0.323	1	1 5/8	2 3/8

HSS 6 x 3 x 3/8	0.326	1	1 5/8	2 3/8
HSS 5 x 4 x 3/8	0.326	1	1 5/8	2 3/8
HSS 4-1/2 x 4-1/2 x 3/8	0.326	1	1 5/8	2 3/8
HSS 8 x 2 x 3/8	0.329	1	1 5/8	2 3/8
HSS 7 x 3 x 3/8	0.329	1	1 5/8	2 3/8
HSS 6 x 4 x 3/8	0.329	1	1 5/8	2 3/8
HSS 5 x 5 x 3/8	0.329	1	1 5/8	2 3/8
HSS 8 x 3 x 3/8	0.331	1	1 5/8	2 3/8
HSS 7 x 4 x 3/8	0.331	1	1 5/8	2 3/8
HSS 6 x 5 x 3/8	0.331	1	1 5/8	2 3/8
HSS 5-1/2 x 5-1/2 x 3/8	0.331	1	1 5/8	2 3/8
HSS 10 x 2 x 3/8	0.332	1	1 5/8	2 3/8
HSS 9 x 3 x 3/8	0.332	1	1 5/8	2 3/8
HSS 8 x 4 x 3/8	0.332	1	1 5/8	2 3/8
HSS 7 x 5 x 3/8	0.332	1	1 5/8	2 3/8
HSS 6 x 6 x 3/8	0.332	1	1 5/8	2 3/8
HSS 10 x 3 x 3/8	0.334	1	1 5/8	2 3/8
HSS 10 x 4 x 3/8	0.335	1	1 5/8	2 3/8
HSS 9 x 5 x 3/8	0.335	1	1 5/8	2 3/8
HSS 8 x 6 x 3/8	0.335	1	1 5/8	2 3/8
HSS 7 x 7 x 3/8	0.335	1	1 5/8	2 3/8
HSS 12 x 3-1/2 x 3/8	0.336	1	1 5/8	2 3/8
HSS 10 x 5 x 3/8	0.336	1	1 5/8	2 3/8
HSS 12 x 4 x 3/8	0.337	1	1 5/8	2 3/8
HSS 10 x 6 x 3/8	0.337	1	1 5/8	2 3/8
HSS 9 x 7 x 3/8	0.337	1	1 5/8	2 3/8
HSS 8 x 8 x 3/8	0.337	1	1 5/8	2 3/8

HSS 14 x 4 x 3/8	0.338	1	1 5/8	2 3/8
HSS 12 x 6 x 3/8	0.338	1	1 5/8	2 3/8
HSS 10 x 8 x 3/8	0.338	1	1 5/8	2 3/8
HSS 16 x 4 x 3/8	0.339	1	1 5/8	2 3/8
HSS 14 x 6 x 3/8	0.339	1	1 5/8	2 3/8
HSS 12 x 8 x 3/8	0.339	1	1 5/8	2 3/8
HSS 10 x 10 x 3/8	0.339	1	1 5/8	2 3/8
HSS 12 x 10 x 3/8	0.340	1	1 5/8	2 3/8
HSS 20 x 4 x 3/8	0.341	1	1 5/8	2 3/8
HSS 18 x 6 x 3/8	0.341	1	1 5/8	2 3/8
HSS 16 x 8 x 3/8	0.341	1	1 5/8	2 3/8
HSS 14 x 12 x 3/8	0.341	1	1 5/8	2 3/8
HSS 14 x 10 x 3/8	0.341	1	1 5/8	2 3/8
HSS 12 x 12 x 3/8	0.341	1	1 5/8	2 3/8
HSS 20 x 8 x 3/8	0.342	1	1 5/8	2 3/8
HSS 18 x 12 x 3/8	0.342	1	1 5/8	2 3/8
HSS 16 x 12 x 3/8	0.342	1	1 5/8	2 3/8
HSS 14 x 14 x 3/8	0.342	1	1 5/8	2 3/8
HSS 20 x 12 x 3/8	0.343	1	1 5/8	2 3/8
HSS 16 x 16 x 3/8	0.343	1	1 5/8	2 3/8
HSS 5 x 3 x 1/2	0.418	13/16	1	1 5/8
HSS 4 x 4 x 1/2	0.418	13/16	1	1 5/8
HSS 6 x 3 x 1/2	0.424	13/16	1	1 5/8
HSS 5 x 4 x 1/2	0.424	13/16	1	1 5/8
HSS 4-1/2 x 4-1/2 x 1/2	0.424	13/16	1	1 5/8
HSS 7 x 3 x 1/2	0.428	13/16	13/16	1 5/8
HSS 6 x 4 x 1/2	0.428	13/16	13/16	1 5/8

HSS 5 x 5 x 1/2	0.428	13/16	13/16	1 5/8
HSS 8 x 3 x 1/2	0.432	13/16	13/16	1 5/8
HSS 7 x 4 x 1/2	0.432	13/16	13/16	1 5/8
HSS 9 x 3 x 1/2	0.435	13/16	13/16	1 5/8
HSS 8 x 4 x 1/2	0.435	13/16	13/16	1 5/8
HSS 7 x 5 x 1/2	0.435	13/16	13/16	1 5/8
HSS 6 x 6 x 1/2	0.435	13/16	13/16	1 5/8
HSS 10 x 4 x 1/2	0.439	13/16	13/16	1 5/8
HSS 9 x 5 x 1/2	0.439	13/16	13/16	1 5/8
HSS 8 x 6 x 1/2	0.439	13/16	13/16	1 5/8
HSS 7 x 7 x 1/2	0.439	13/16	13/16	1 5/8
HSS 12 x 4 x 1/2	0.443	13/16	13/16	1 5/8
HSS 10 x 6 x 1/2	0.443	13/16	13/16	1 5/8
HSS 9 x 7 x 1/2	0.443	13/16	13/16	1 5/8
HSS 8 x 8 x 1/2	0.443	13/16	13/16	1 5/8
HSS 14 x 4 x 1/2	0.445	13/16	13/16	1 5/8
HSS 12 x 6 x 1/2	0.445	13/16	13/16	1 5/8
HSS 10 x 8 x 1/2	0.445	13/16	13/16	1 5/8
HSS 16 x 4 x 1/2	0.447	13/16	13/16	1 5/8
HSS 14 x 6 x 1/2	0.447	13/16	13/16	1 5/8
HSS 12 x 8 x 1/2	0.447	13/16	13/16	1 5/8
HSS 10 x 10 x 1/2	0.447	13/16	13/16	1 5/8
HSS 12 x 10 x 1/2	0.449	13/16	13/16	1 5/8
HSS 20 x 4 x 1/2	0.450	13/16	13/16	1 5/8
HSS 18 x 6 x 1/2	0.450	13/16	13/16	1 5/8
HSS 16 x 8 x 1/2	0.450	13/16	13/16	1 5/8
HSS 14 x 10 x 1/2	0.450	13/16	13/16	1 5/8

HSS 12 x 12 x 1/2	0.450	13/16	13/16	1 5/8
HSS 14 x 12 x 1/2	0.452	13/16	13/16	1 5/8
HSS 20 x 8 x 1/2	0.453	13/16	13/16	1 5/8
HSS 18 x 12 x 1/2	0.453	13/16	13/16	1 5/8
HSS 16 x 12 x 1/2	0.453	13/16	13/16	1 5/8
HSS 14 x 14 x 1/2	0.453	13/16	13/16	1 5/8
HSS 20 x 12 x 1/2	0.454	13/16	13/16	1 5/8
HSS 16 x 16 x 1/2	0.454	13/16	13/16	1 5/8
HSS 8 x 4 x 5/8	0.533	13/16	13/16	1 1/4
HSS 7 x 5 x 5/8	0.533	13/16	13/16	1 1/4
HSS 6 x 6 x 5/8	0.533	13/16	13/16	1 1/4
HSS 10 x 4 x 5/8	0.540	13/16	13/16	1 1/4
HSS 9 x 5 x 5/8	0.540	13/16	13/16	1 1/4
HSS 8 x 6 x 5/8	0.540	13/16	13/16	1 1/4
HSS 7 x 7 x 5/8	0.540	13/16	13/16	1 1/4
HSS 12 x 4 x 5/8	0.546	13/16	13/16	1 1/4
HSS 10 x 6 x 5/8	0.546	13/16	13/16	1 1/4
HSS 9 x 7 x 5/8	0.546	13/16	13/16	1 1/4
HSS 8 x 8 x 5/8	0.546	13/16	13/16	1 1/4
HSS 14 x 4 x 5/8	0.550	13/16	13/16	1 1/4
HSS 12 x 6 x 5/8	0.550	13/16	13/16	1 1/4
HSS 14 x 6 x 5/8	0.553	13/16	13/16	1 1/4
HSS 12 x 8 x 5/8	0.553	13/16	13/16	1 1/4
HSS 10 x 10 x 5/8	0.553	13/16	13/16	1 1/4
HSS 18 x 6 x 5/8	0.558	13/16	13/16	1 1/4
HSS 16 x 8 x 5/8	0.558	13/16	13/16	1 1/4
HSS 14 x 10 x 5/8	0.558	13/16	13/16	1 1/4

HSS 12 x 12 x 5/8	0.558	13/16	13/16	1 1/4
HSS 20 x 8 x 5/8	0.561	13/16	13/16	1 1/4
HSS 16 x 12 x 5/8	0.561	13/16	13/16	1 1/4
HSS 14 x 14 x 5/8	0.561	13/16	13/16	1 1/4
HSS 18 x 12 x 5/8	0.563	13/16	13/16	1 1/4
HSS 20 x 12 x 5/8	0.564	13/16	13/16	1 1/4
HSS 16 x 16 x 5/8	0.564	13/16	13/16	1 1/4
HSS 16 x 16 x 11/16	0.619	13/16	13/16	1
HSS 16 x 16 x 3/4	0.672	13/16	13/16	13/16
HSS 30 x 30 x 1	0.907	13/16	13/16	13/16

GCP Applied Technologies — Type MONOKOTE® FIREPROTECT™

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