

Max-Span Thermal Hanger Shield Fig. MAXSPAN



Description

MaxSpan thermal hanger shields are designed to provide a superior safety margin when supporting pipe with hanger spans up to the maximum allowed in Table 4 of the MSS SP-58 in clevis or clamp hangers. These 360° thermal hanger shields provide a continuous section of insulation and factory applied jacketing meeting ASTM E 96A (maximum 0.02 perm) through the hanger and can be used on piping systems operating between +20° F. and +1200° F. The insulation and jacketing extend beyond the galvanized steel shield for a neatly sealed joint with the adjoining insulation. To achieve the protection required by long hanger spans, MaxSpan thermal hanger shields utilize heavier gauge shields, and utilize Type 2 calcium silicate (Grade 5, 450 PSI for 10" through 14" and Grade 6, 900 PSI for 16" pipe and larger). The MaxSpan meets or exceeds the MSS standard for Type 40 Shields per MSS SP-58, Paragraph 7.63 – 7.66. MaxSpan meets the ASTM E84 Standard Flame Spread –5-, Smoke Developed –5-. Rounded shield corners on all commercial size units.

Dimensions

	1/2" to 1 1/2"	2" to 3"	4" to 8"	10" to 12"	14" to 24"
Insulation Length	9" 230 mm	9" 230 mm	9" 230 mm	12" 300 mm	12" 300 mm
Shield Length	6" 150 mm	6" 150 mm	6" 150 mm	8" 200 mm	10" 250 mm
Shield Gauge	18 ga. 1.3 mm	16 ga. 1.6 mm	14 ga. 2.0 mm	14 ga. 2.0 mm	14 ga. 2.0 mm
Plate Thickness/ Length	N/A	N/A	1/8" to 6" 3.2 mm X 150 mm	1/4" to 8" 6.35 mm X 200 mm	1/4" to 10" 6.35 mm X 250 mm

Specifications

Applications:

- For indoor use on all band and clamping hanger systems (see WeatherShield Upgrade data sheet for outdoor applications).
- Chilled to steam piping and dual temperature lines.
- Hanger spans per MSS SP-58 Table 4 in clevis or two-bolt clamp hangers.
- Available for pipe through 24 inches.
- Insulation thickness 1/2 inch (to 6" pipe) through 4 inches.

Materials/Construction:

- 1/4" through 8" pipe – 360° 100 PSI Calcium silicate meeting ASTM C-533 Type 1, C-585, C-795, E-84, Thermal Conductivity ("k") .40 @ 75° F mean.
- 10" through 18" pipe 100 PSI Calcium Silicate top, 450 PSI Type 2 Grade 5 Calcium Silicate bottom.
- 20" through 24" pipe 900 PSI Type 2 Grade 6 Calcium Silicate.
- Adhesive complying to NFPA 90-A and ASTM E-84.
- G-90 Galvanized steel shield, small check per ASTM A-653 (replaces A-527). Rounded corners for safety.
- Factory applied jacketing meeting ASTM E 96A (maximum 0.02 perm), ASTM D-774, D-828 and E-84.
- All units and components are asbestos free and 100% made and assembled in the U.S.A.



PROJECT INFORMATION	APPROVAL STAMP
Project:	Approved
Address:	Approved as noted
Contractor:	Not approved
Engineer:	Remarks:
Submittal Date:	
Notes 1:	
Notes 2:	

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Allowal Loads – Recommended Spans

	Roller	Flat Surface
2" – 2½" Pipe	325 lbs. 11 ft. (3.4 m)	350 lbs. 11 ft. (3.4 m)
4" Pipe	405 lbs. 14 ft. (4.3 m)	405 lbs. 14 ft. (4.3 m)
6" Pipe	1,015 lbs. 17 ft. (5.2 m)	1,070 lbs. 17 ft. (5.2 m)
8" Pipe	1,555 lbs. 19 ft. (5.8 m)	1,625 lbs. 19 ft. (5.8 m)
10" Pipe	2,450 lbs. 22 ft. (6.7 m)	2,575 lbs. 22 ft. (6.7 m)
12" Pipe	3,480 lbs. 23 ft. (7.0 m)	3,550 lbs. 23 ft. (7.0 m)
14" Pipe	4,770 lbs. 25 ft. (7.6 m)	4,820 lbs. 25 ft. (7.6 m)
16" Pipe	8,050 lbs. 27 ft. (8.2 m)	8,250 lbs. 27 ft. (8.2 m)
18" Pipe	9,025 lbs. 28 ft. (8.5 m)	9,505 lbs. 28 ft. (8.5 m)
20" Pipe	9,550 lbs. 30 ft. (9.1 m)	10,550 lbs. 30 ft. (9.1 m)
22" Pipe	10,500 lbs. 30 ft. (9.1 m)	11,850 lbs. 30 ft. (9.1 m)
24" Pipe	15,500 lbs. 32 ft. (9.8 m)	17,350 lbs. 32 ft. (9.8 m)

Material Specifications

- Calcium Silicate, 100 PSI Meeting ASTM C-533 Type 1, C-585, C-795 and E-84, Flame Spread -0-, Smoke Developed -0-.
- High Compressive Strength Inserts, 900 PSI, Standard For Pipe 12" and Larger, Meeting ASTM C-656 Type II Grade 6, C-585, C-795, E-72, and E-84, Flame Spread -0-, Smoke Developed -0-.
- Vapor Barrier Jacket of Non-Reactive Polyester Meeting ASTM D-744, D-828 and E-84, Flame Spread -5-, Smoke Developed -5-.
- Adhesive Complying to NFPA 90-A and ASTM E-84, Flame Spread -5-, Smoke Developed -5-.
- Galvanized Steel Shields, G-90 Small Check per ASTM A-653 (Replaces A-527).
- Carbon Steel Plate Meeting ASTM A-35, Primed With Corrosion Resistant Enamel.
- 100% American-Made Components and Construction.
- Asbestos-Free Materials.
- Unit Tested to ASTM E-84. Rated Flame Spread -5-, Smoke Developed -5-.