

## Quik-Shield Thermal Hanger Shield Fig. QUIKSHIELD



### Description

Quik-Shields are economically priced 180° thermal hanger shields providing a continuous section of insulation and factory applied jacketing meeting ASTM E 96A (maximum 0.02 perm) through a variety of pipe hangers. The jacket extends beyond the galvanized steel shield and beyond the insulation insert for a neat, joint with both the adjoining and the field-applied top insulation. To assure proper support in all situations, high density 450 PSI structural inserts are installed on units for 10" pipe with 1" wall thickness and on all units for 12" pipe and larger. Quik-Shields meet 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 5"	6" to 8"	10" to 12"	14" to 18"	24" to 48"
Insulation Length	6" 150 mm	6" 150 mm	9" 230 mm	9" 230 mm	12" 300 mm	9" 230 mm
Shield Length	4" 100 mm	4" 100 mm	6" 150 mm	6" 150 mm	10" 250 mm	6" 150 mm
Shield Gauge	22 ga. 0.9 mm	22 ga. 0.9 mm	18 ga. 1.3 mm	18 ga. 1.3 mm	12 ga. 2.8 mm	18 ga. 1.3 mm
Compressive Strength	100 PSI	100 PSI	100 PSI	Cal Sil 100 PSI Insert 450 PSI	Cal Sil 100 PSI Insert 450 PSI	180° Insert 450 PSI

### Specifications

#### Applications:

- For indoor use on flat surfaces, clevis or other band-type hangers.
- Pipe sizes 16" and larger in clevis hangers only.
- Chilled to steam piping and dual temperature lines.
- Hanger spans per MSS SP-58 Table A3.
- Available for pipe 1/2" inch through 24". 1/2" inch through 48".
- Insulation thickness Pipe 1/2" to 6" pipe, 18" 100 PSI through 4". Pipe 20-48" 450 PSI Type ii, Grade 5 Calcium Silicat ASTH C-656, D-828 and E-84.

#### Materials / Construction:

- 100 PSI Calcium silicate meeting ASTM C-533 Type 1, C-585, C-795, E-84, Thermal Conductivity ('k') .40 @ 75° mean.
- Adhesive complying with NFPA 90-A, 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 (10" pipe with 1" wall and 12" through 18" pipe ASTM E 96A (maximum 0.02 perm), ASTM D-774, D-828 and E-84.
- Structural insert (12" pipe and larger) 450 PSI calcium silicate meeting ASTM C-656 Type II, Grade 5, C-795 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

	Clevis	Trapeze
2 1/2" Pipe	275 lbs. 10 ft. (3.0 m)	145 lbs. 10 ft. (3.0 m)
3" Pipe	340 lbs. 10 ft. (3.0 m)	160 lbs. 10 ft. (3.0 m)
4" Pipe	380 lbs. 10 ft. (3.0 m)	170 lbs. 10 ft. (3.0 m)
6" Pipe	605 lbs. 10 ft. (3.0 m)	330 lbs. 10 ft. (3.0 m)
8" Pipe	800 lbs. 10 ft. (3.0 m)	510 lbs. 10 ft. (3.0 m)
10" Pipe	1,160 lbs. 10 ft. (3.0 m)	830 lbs. 10 ft. (3.0 m)
12" Pipe	1,400 lbs. 10 ft. (3.0 m)	1,175 lbs. 10 ft. (3.0 m)
14" Pipe	1,800 lbs. 10 ft. (3.0 m)	1,250 lbs. 10 ft. (3.0 m)
16" Pipe	2,600 lbs. 10 ft. (3.0 m)	See MaxSpan R.H.
18" Pipe	3,300 lbs. 10 ft. (3.0 m)	See MaxSpan R.H.
20" Pipe	8,000 lbs. 10 ft. (3.0 m)	See MaxSpan R.H.
20" Pipe	8,000 lbs. 10 ft. (3.0 m)	See MaxSpan R.H.
24" Pipe	8,000 lbs. 10 ft. (3.0 m)	See MaxSpan R.H.
30" Pipe	14,540 lbs. 369.32 ft. (112.56 m)	14,540 lbs. 369.32 ft. (112.56 m)
36" Pipe	17,450 lbs. 443.23 ft. (135.0 m)	17,450 lbs. 443.23 ft. (135.0 m)
42" Pipe	20,350 lbs. 516.89 ft. (157.5 m)	20,350 lbs. 516.89 ft. (157.5 m)
48" Pipe	23,260 lbs. 590.8 ft. (7089.6 m)	23,260 lbs. 590.8 ft. (7089.6 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, 450 PSI, Standard For Pipe 12" and Larger, Standard for 10" pipe with 1" wall and 12" to 18" pipe Meeting ASTM C-656 Type II Grade 5, C-585, C-795, E-72, and E-84, Flame Spread -0-, Standard for 10" pipe with 1" wall and 12" to 18" pipe Smoke Developed -0-. 20" Pipe and larger are 180° of this material.
- Vapor Barrier Jacket of Non-Reactive Polyester Meeting ASTM D-744, D-828, C 1136, E 96 and e 84 Flame Spread -5-, Smoke Developed -5-.
- Adhesive Complying to NFPA 90-A and ASTM E-84, Flame Spread -10-, Smoke Developed -0-.
- Galvanized Steel Shields, G-90 Small Check per ASTM A-653 (Replaces A-527).
- 100% American-Made Components and Construction.
- Asbestos-Free Materials.
- Unit Tested to ASTM E-84. Rated Flame Spread -5-, Smoke Developed -5-.