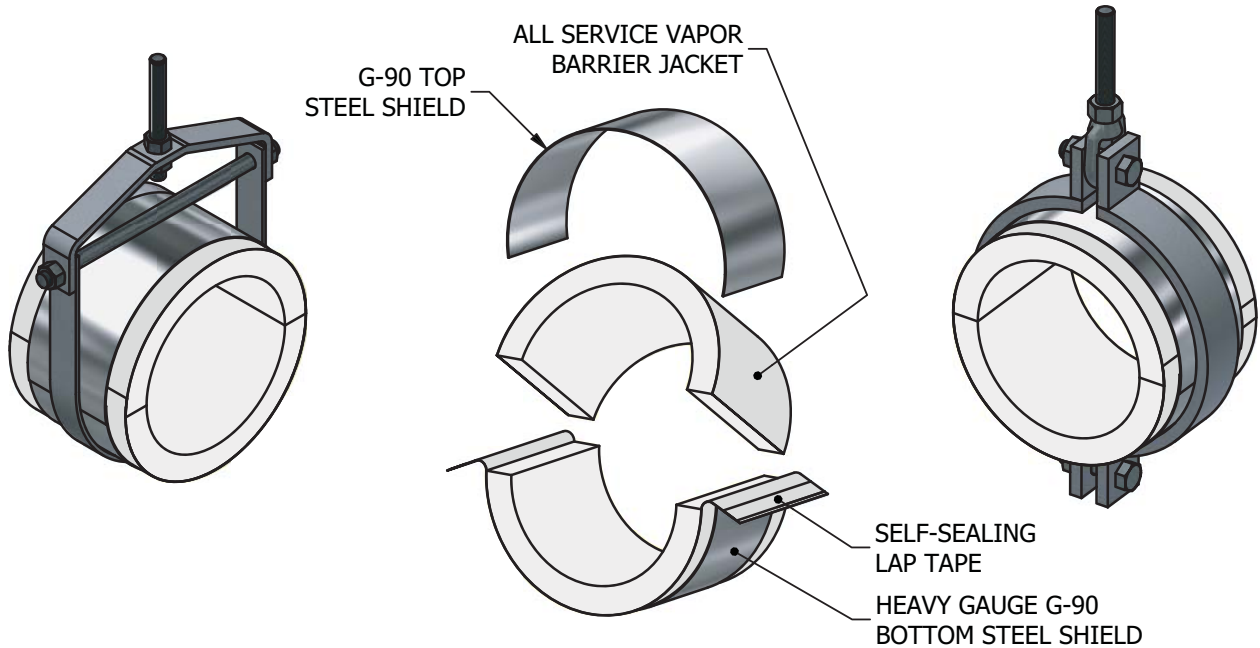




# Chill-Shield



## Description / Features

Chill-Shields are 360° thermal hanger shields designed to meet a broad range of pipe support applications on low temperature lines. They provide a continuous section of insulation and zero permeability vapor barrier, and are designed for piping systems operating between -250°F and +225°F. The insulation and vapor barrier extend beyond the galvanized steel shield for a neat, vapor-tight joint with the adjoining insulation. Chill-Shields are suitable for use in any type of clamp as well as in band-type hangers. High compressive strength polyisocyanurate inserts and heavy gauge steel shields ensure proper pipe support. These cost effective designs meet the requirements of either pipe or tube systems.

## Applications

- For use on clamping support systems, stands, clevis or other band-type hangers.
- Chilled piping to domestic hot water.
- Hanger spans per MSS SP-58 Table A3 (not suitable for extended hanger spans).
- Available for pipe and tube ½” through 8”, insulation thickness ½” through 4”.

## Materials / Construction

- Polyisocyanurate meeting ASTM C-591 with compressive strength determined in accordance with ASTM D-1621
- 24 psi compressive strength, 2 pcf density, Grade 2, Type IV
- 45 psi compressive strength, 3 pcf density, Grade 2, Type III
- 80 psi compressive strength, 4 pcf density, Grade 2, Type V
- ASTM E-84 Flame Spread/Smoke Developed: 25/450, Thermal Conductivity = 0.19 to 0.20 Btu•in/(hr•ft²•°F) @ 75°F.
- 360° Non-reactive zero permeability vapor barrier jacket meeting ASTM D-774, D-828 and E-84 Flame Spread/Smoke Developed: 10/20.
- Adhesive complying with NFPA 90-A and ASTM E-84 Flame Spread/Smoke Developed: 5/0.
- G-90 Galvanized steel shield, small check per ASTM A-653 (replaces A-527).
- All units and components are asbestos free and 100% made and assembled in the U.S.A.

### DIMENSIONS

PIPE SIZE	½” TO 2”	2½” TO 5”	6” TO 8”
INSULATION LENGTH - in.	6	6	9
SHIELD LENGTH - in.	4	4	6
SHIELD GAUGE	22	22	18
COMPRESSIVE STRENGTH - psi	24	45	80

### ALLOWABLE LOADS / RECOMMENDED SPANS

PIPE SIZE	½”	1”	1½”	2”	3”	4”	6”	8”
CLEVIS	20 lbf	35 lbf	50 lbf	60 lbf	140 lbf	180 lbf	550 lbf	720 lbf
	7 ft.	7 ft.	9 ft.	10 ft.	10 ft.	10 ft.	10 ft.	10 ft.