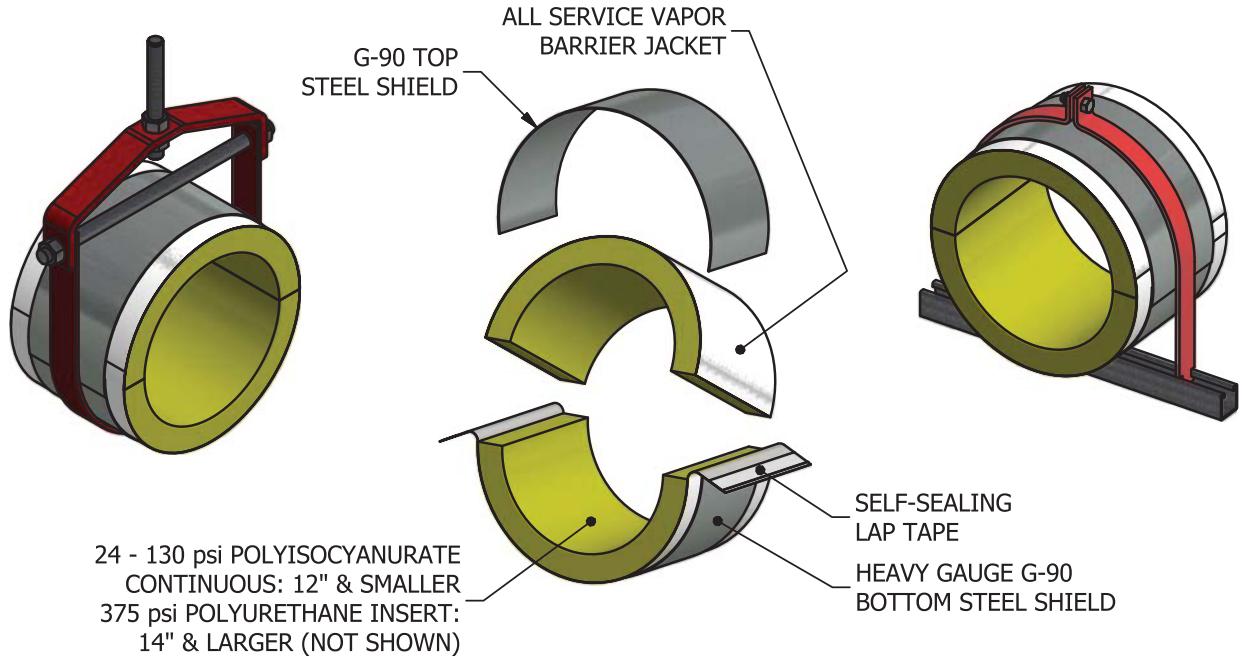




Chill-Shield



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, 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 1/2" through 24", insulation thickness 1/2" through 4".

Materials / Construction

- Polyisocyanurate meeting ASTM C-591 Type IV Grade 2 (24 psi, 2 pcf), Type V Grade 2 (80 psi, 4 pcf), Type VI Grade 2 (130 psi, 6 pcf), C-203, C-518, C-585, C-795, D-1621, D-1622, D-1623 and E-84 Flame Spread/Smoke Developed: 25/450, Thermal Conductivity = 0.19 to 0.20 Btu•in/(hr•ft²•°F) @ 75°F.
- 275 psi minimum polyurethane high compressive insert, standard for 14" pipe and larger, meeting ASTM C-585 and C-795
- 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	1/2" TO 1 1/2"	2" TO 4"	5" TO 6"	8"	10" TO 24"
INSULATION LENGTH - in.	6	6	9	9	12
SHIELD LENGTH - in.	4	4	6	6	10
SHIELD GAUGE	20	18	16	16	14
COMPRESSIVE STRENGTH - psi	24	80	80	130	130 / 375

ALLOWABLE LOADS / RECOMMENDED SPANS

PIPE SIZE	1/2"	1"	1 1/2"	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
CLEVIS	30 lbf 7 ft.	40 lbf 7 ft.	65 lbf 9 ft.	185 lbf 10 ft.	270 lbf 10 ft.	350 lbf 10 ft.	600 lbf 10 ft.	900 lbf 10 ft.	1110 lbf 10 ft.	1400 lbf 10 ft.	1500 lbf 10 ft.	1800 lbf 10 ft.	2200 lbf 10 ft.	2700 lbf 10 ft.	3500 lbf 10 ft.
TRAPEZE	20 lbf 7 ft.	25 lbf 7 ft.	45 lbf 9 ft.	100 lbf 10 ft.	150 lbf 10 ft.	180 lbf 10 ft.	350 lbf 10 ft.	580 lbf 10 ft.	850 lbf 10 ft.	1050 lbf 10 ft.	Call Factory	Call Factory	Call Factory	Call Factory	Call Factory