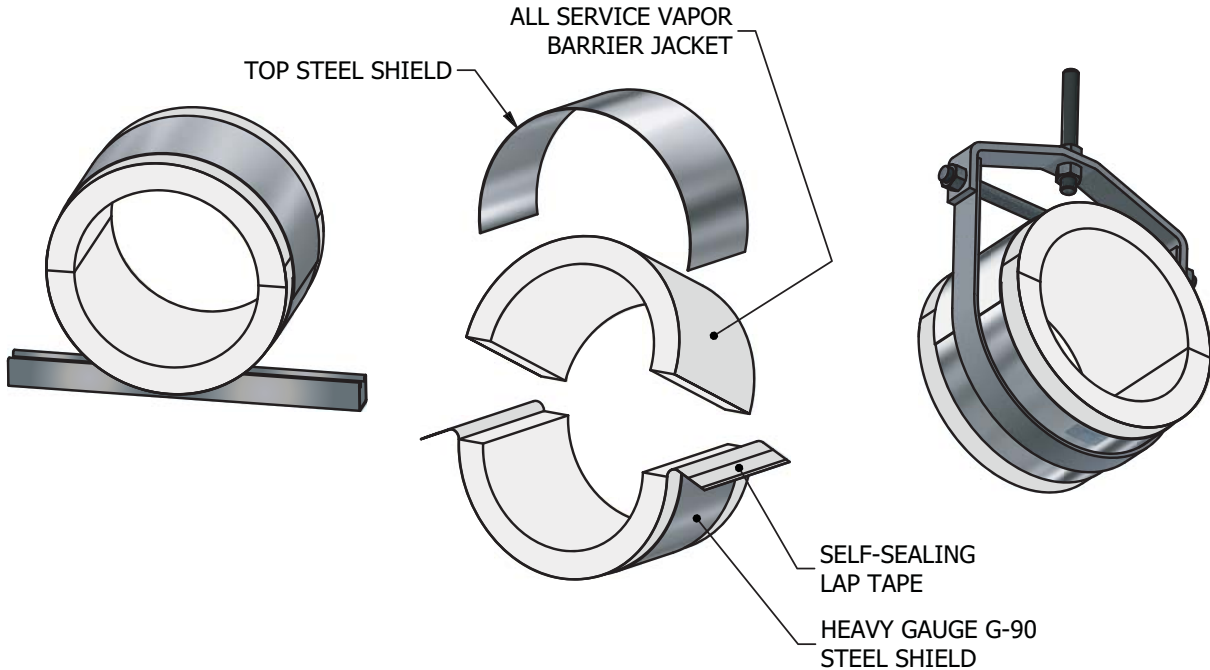




Pro-Shield



Description / Features

Pro-Shields are 360° thermal hanger shields designed to meet the broadest range of pipe support applications. They provide a continuous section of insulation and vapor barrier through a wide variety of pipe hangers for piping systems operating between +20°F and +1200°F. The insulation and zero permeability vapor barrier extend beyond the galvanized steel shield for a neat, vapor-tight joint with the adjoining insulation. Pro-Shields are suitable for use in any type of clamp as well as in band-type hangers and on flat surfaces. Pro-Shields meet the MSS standard for Type 40 shields per MSS SP-58.

Applications

- For use on clamping support systems, trapeze, stands, clevis or other band-type hangers.
- Pipe sizes 16" and larger in clevis or two bolt hangers only.
- Chilled to steam piping and dual temperature lines.
- Hanger spans per MSS SP-58 Table A3.
- Available for pipe 1/2" through 24", insulation thickness 1/2" through 4".

Materials / Construction

- 100 psi compressive strength calcium silicate meeting ASTM C-533 Type I, C-585, C-795, E-84 Flame Spread/Smoke Developed: 0/0, Thermal Conductivity = 0.39 Btu•in/(hr•ft²•°F) @ 200°F.
- 450 psi compressive strength calcium silicate meeting ASTM C-656, Type II, Grade 5.
- Adhesive complying with NFPA 90-A, ASTM E-84 Flame Spread/Smoke Developed: 5/0.
- G-90 Galvanized steel shield, small check per ASTM A-653 (replaces A-527).
- Zero permeability vapor barrier of all service jacket meeting ASTM D-774, D-828 and E-84 Flame Spread/Smoke Developed: 10/20.
- All units and components are asbestos free and 100% made and assembled in the U.S.A.

DIMENSIONS

PIPE SIZE	1/2" TO 5"	6" TO 8"	10" TO 12"	14" TO 18"	20" TO 24"
INSULATION LENGTH - in.	6	9	9	12	9
SHIELD LENGTH - in.	4	6	6	10	6
SHIELD GAUGE	22	18	18	12	18
COMPRESSIVE STRENGTH - psi	100	100	100 / 450	100 / 450	450

ALLOWABLE LOADS / RECOMMENDED SPANS

PIPE SIZE	1/2"	1"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
CLEVIS	80 lbf 7 ft.	130 lbf 7 ft.	185 lbf 9 ft.	230 lbf 10 ft.	275 lbf 10 ft.	340 lbf 10 ft.	380 lbf 10 ft.	605 lbf 10 ft.	800 lbf 10 ft.	1160 lbf 10 ft.	1400 lbf 10 ft.	1800 lbf 10 ft.	2600 lbf 10 ft.	3300 lbf 10 ft.	8000 lbf 10 ft.	9500 lbf 10 ft.
TRAPEZE	40 lbf 7 ft.	60 lbf 7 ft.	85 lbf 9 ft.	130 lbf 10 ft.	145 lbf 10 ft.	160 lbf 10 ft.	170 lbf 10 ft.	330 lbf 10 ft.	510 lbf 10 ft.	830 lbf 10 ft.	1175 lbf 10 ft.	1250 lbf 10 ft.	See MaxSpan R.H.	See MaxSpan R.H.	See MaxSpan R.H.	See MaxSpan R.H.