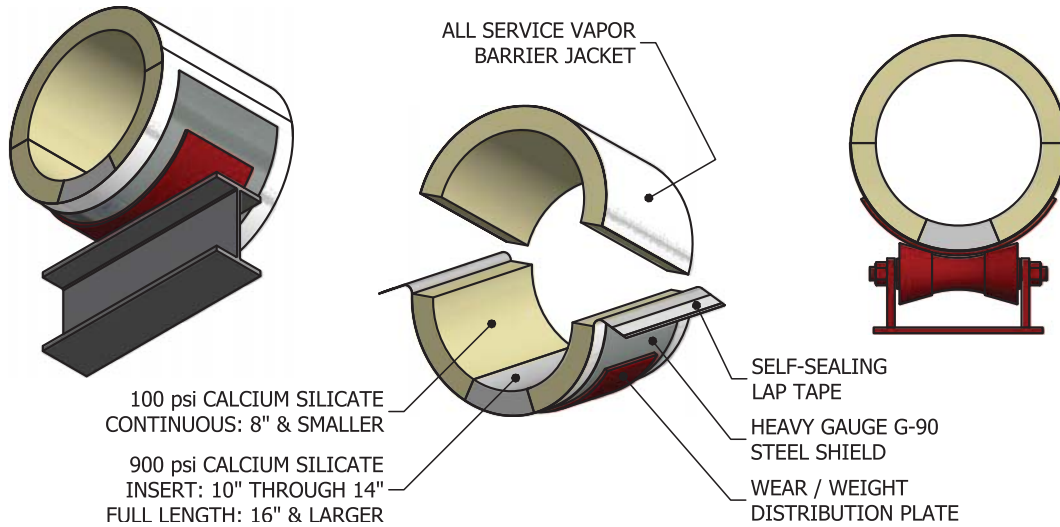




# NATIONAL PIPE HANGER CORPORATION

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## MAXSPAN R.H.



### Description / Features

The MaxSpan R.H. thermal hanger shield is specifically designed to provide a superior safety margin for pipe mounted on pipe rollers, flat surfaces or with supports where point loading may be a concern. These rugged units allow hanger spans up to the maximum allowed in Table 4 of MSS SP-58. They are appropriate for either hot or cold piping systems. The insulation and zero permeability vapor barrier extend beyond the galvanized steel shield for a neat, vapor-tight joint with the adjoining insulation. Units for pipe 4" and larger include a wear/weight distribution plate of carbon steel (primer painted). Additionally, a segment of ultra high density, 900 psi compressive strength calcium silicate is fabricated into units for 10" pipe size and larger. The MaxSpan R.H. meets or exceeds the MSS standard for Type 40 shields per MSS SP 58, Paragraph 7.6.

### Applications

- For use on all roller hanger systems and flat surfaces.
- Chilled to steam piping and dual temperature lines.
- Hanger spans per MSS SP-58 Table 4.
- Available for pipes 1/2" through 24", insulation thickness 1/2" through 4".

### Materials / Construction

- 100 psi compressive strength calcium silicate meeting ASTM C-533 Type 1, C-585, C-795, E-84 Flame Spread/Smoke Developed: 0/0.
- Adhesive complying with NFPA 90-A and ASTM E-84, Flame Spread/Smoke Developed: 5/0, Thermal Conductivity = 0.39 Btu•in/(hr•ft<sup>2</sup>•°F) @ 200°F.
- G-90 Galvanized steel shield, small check per ASTM A-653 (replaces A-527).
- Wear/weight distribution plate - carbon steel meeting ASTM A-36.
- Zero permeability vapor barrier of all service jacket meeting ASTM D-774, D-828 and E-84, Flame Spread/Smoke Developed: 10/20.
- Structural insert (10" pipe and larger) of 900 psi compressive strength calcium silicate per ASTM C-656 Type II Grade 6.
- 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 3"	4" TO 8"	10" TO 12"	14" TO 24"
INSULATION LENGTH - in.	See Pro-Shield	9	9	12	14
SHIELD LENGTH - in.	See Pro-Shield	6	6	9	12
SHIELD GAUGE	See Pro-Shield	16	14	14	12
PLATE THK. x LENGTH - in. x in.	N/A	N/A	1/8 x 6	1/4 x 6	1/4 x 10
COMPRESSIVE STRENGTH - psi	See Pro-Shield	100	100	100 / 900	100 / 900

#### ALLOWABLE LOADS / RECOMMENDED SPANS

PIPE SIZE	1/2"	1"	1 1/2"	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
ROLLER	80 lbf 7 ft.	130 lbf 7 ft.	185 lbf 9 ft.	275 lbf 10 ft.	375 lbf 12 ft.	405 lbf 14 ft.	1015 lbf 17 ft.	1555 lbf 19 ft.	2450 lbf 22 ft.	3480 lbf 23 ft.	4770 lbf 25 ft.	8050 lbf 27 ft.	9025 lbf 28 ft.	9550 lbf 30 ft.	15500 lbf 32 ft.
TRAPEZE	40 lbf 7 ft.	60 lbf 7 ft.	85 lbf 9 ft.	300 lbf 10 ft.	375 lbf 12 ft.	405 lbf 14 ft.	1070 lbf 17 ft.	1625 lbf 19 ft.	2575 lbf 22 ft.	3550 lbf 23 ft.	4820 lbf 25 ft.	8250 lbf 27 ft.	9505 lbf 28 ft.	10550 lbf 30 ft.	17350 lbf 32 ft.