Load Core Support™
MSS SP-58 25/50
INSULATED PIPE SUPPORT

PRODUCT DESCRIPTION

Load Core Support™ MSS SP-58 25/50 is a complete insulated pipe support assembly engineered to provide structural support, thermal efficiency, and condensation control for insulated piping systems. Each assembly incorporates high-performance insulation inserts and factory-fabricated metal shields as integral system components. To accommodate varying operating conditions and project requirements, Load Core Support™ MSS SP-58 25/50 is available in three insulation options: Polyisocyanurate 25/50, Phenolic Foam, and Cellular Glass.
All meeting ASTM E 84 25/50 Flame and Smoke requirements.

FEATURES & BENEFITS

- Complete assembly including insulation inserts and metal shields
- Dual Density is available where high density is not required on top of the pipe
- Factory applied Vapor Retarder Jacket meeting ASTM E 96 (maximum 0.02 perm)
- Insulation extends beyond the shield for continuous vapor retarder
- Condensation control and thermal efficiency
- Compatible with most clamp types

PHYSICAL PROPERTIES (INSULATION)

PROPERTY	POLYISOCYANURATE 25/50	PHENOLIC	CELLULAR GLASS
Temperature Range	-297°F to +300°F	-290°F to +250°F	-450°F to +900°F
Flame and Smoke	ASTM E84 25/50 (up to 1.5")	ASTM E84 25/50 (up to 3")	ASTM E84 0/0
Density	2 lb/ft³	2.5, 5.0, 7.5 lb/ft³	7.18 lb/ft³
Compressive Strength	24 psi (min.)	30, 90, 150 psi (min.)	90 psi (min.)
Cell Structure	Closed Cellular	Closed Cellular	Closed Cellular
ASTM Standard	ASTM C591	ASTM C1126	ASTM C552
K Factor @ 75 Degree Mean (ASTM C518)	.19	.17	.29

SYSTEM APPLICATIONS

- Chilled Water
- Hot / Cold Domestic Water
- Process Piping
- Refrigeration Systems

FACILITIES

- Industrial
- Commercial
- Pharmaceutical
- Educational
- Data Centers

PHYSICAL PROPERTIES (LOAD CORE SHIELD™)

- G-90 Galvanized Steel (Stainless Steel also available) - MSS SP-58 Compliant
- Diameters – ASTM C585
- 180° or 360° available

MADE AND FABRICATED IN THE USA

Load Core Support
Extol of Ohio, Inc.

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