

ROOF SPECIALTIES

MERS-630A-1 TO 630A-8 ALUMINUM PIPE SUPPORT (Single, Double, Triple, Multiple, Large, Insulated Pipe)

DESCRIPTION

Thaler MERS-630A-1 to MERS-A-8 Pipe Support consists of a pair of round, urethane insulated, hollow section 6061-T6 aluminum support with threaded leg assembly for vertical adjustment and mounting plate, mounting hardware (adhesive type supplied by others), cross-bar carrier with EPDM end caps, and single or (double, triple) multiple stainless steel pipe cradle assemblies. Urethane insulated STACK JACK flashing available in aluminum, copper, or stainless steel, with EPDM Triple Pressure Grommet Seal at the top of the flashing and EPDM Base Seal, completes the support.

Support Spacing: As per CAN1-B149.1-M86 for natural gas and propane. Spacing for pipes other than gas to be determined by mechanical or electrical engineer for safe loading.

Prominent Features: Threaded leg assembly provides up to 4" (102 mm) vertical adjustment. Light weight, strong-as-steel and non corrosive. Maintenance free (EPDM flashing seals never need caulking. See Thaler EPDM Flashing Seals literature).

Options: See Section A of manual for STACK JACK Flashings options.

RECOMMENDED USE

Suitable for all flat roofs as a single (double, triple) or multiple pipe support for pipe sizes from 4" (102 mm) to 48" (1220 mm) diameter. Ultimate bearing load is 7350 lbs. (3334 kg) per leg; apply appropriate safety factor.

WARRANTY

20 year warranty against leaks, condensation and defects in materials and/or manufacture when installed in accordance with Thaler "Installation Instructions".

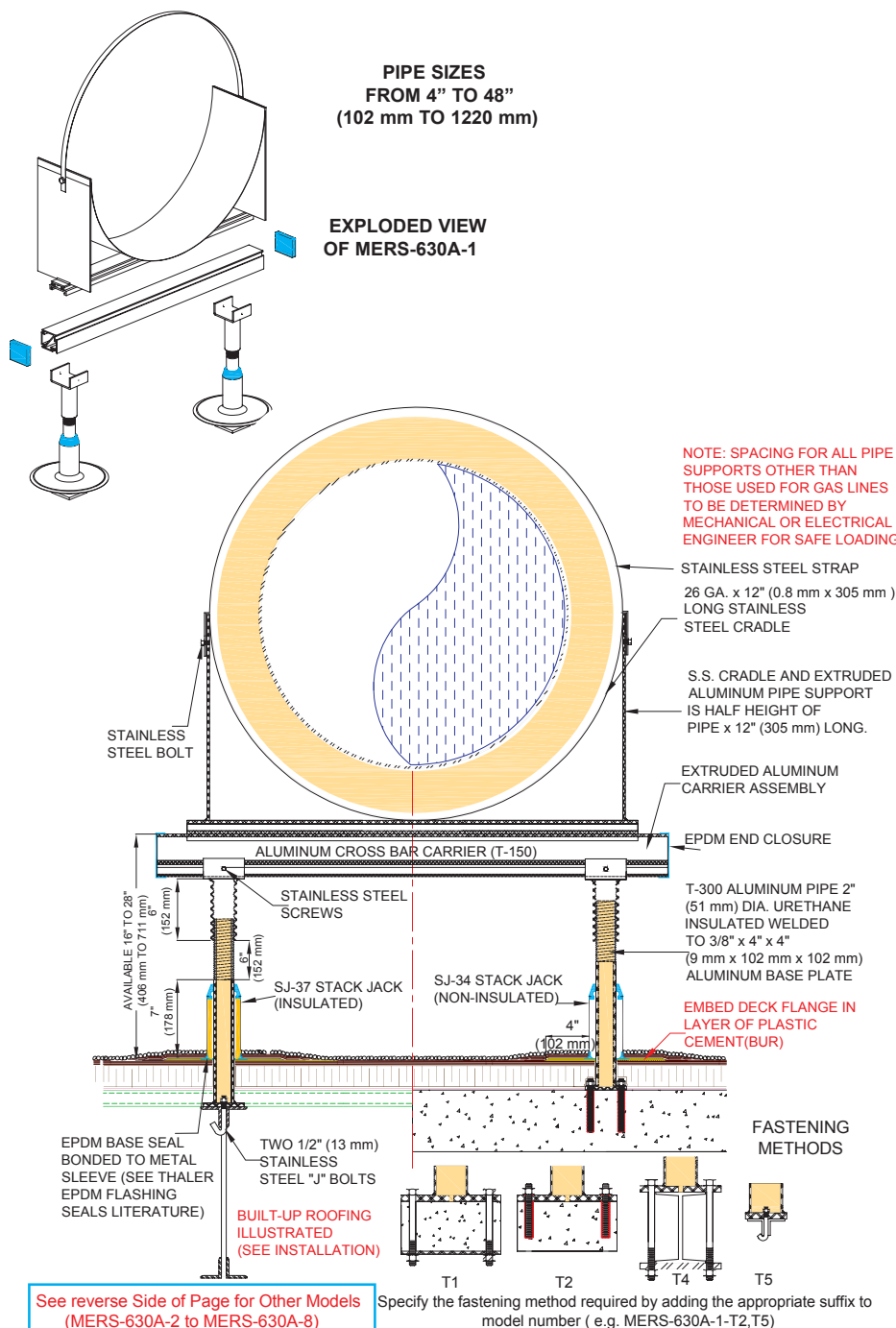
Copy of Warranty Certificate available upon request.

MAINTENANCE

No maintenance required (maintenance free).

SPECIFICATION (Short Form)

Pipe supports (single, double, triple or multiple, large, insulated pipe): Thaler MERS-630A-1 to MERS-630A-8 adjustable height 6061-T6 hollow aluminum with mill finish, urethane insulated supports, 2" (51 mm) dia., with appropriate hardware (adhesive type fasteners supplied by others), for fastening to structural roof deck, cross-bar carrier with EPDM end caps, and Type 304 stainless steel pipe cradle assemblies sized to suit [] actual O.D. pipe; [SJ-34 non-insulated New Standard STACK JACK flashing for concrete deck,] [SJ-37 pre-insulated New Standard STACK JACK flashing for steel deck,] 7" (178 mm) high, consisting of [.064" (1.6 mm) mill finish 1100-OT alloy aluminum] [.032" (0.831 mm) 24 oz. copper] [.031" (0.79 mm) 22 ga. Type 304 stainless steel], 2" (51 mm) dia. to CSA B272-93; with EPDM Triple Pressure Grommet Seal and EPDM Base Seal and [PVC coated deck flange] [bituminous painted deck flange]; manufactured by Thaler Metal Industries, 1-800-387-7217 (Mississauga, Ontario, Canada) or 1-800-576-1200 (New Braunfels, TX), installed as per manufacturer's written instructions. Provide 20 year warranty against leaks, condensation and defects in materials and/or manufacture.



MERS-630A-1 TO 630-A-8 PIPE SUPPORT (Single, Double, Triple, Multiple, Large, Insulated Pipe)

PATENTED

INSTALLATION

"Installation Instructions" are provided with every Thaler product. Essentially, the Thaler MERS-630A-1 to MERS-630A-8 Pipe Support are installed at required centres by fastening the aluminum mounting plate to the structural roof deck, placing the flashing sleeve over the support and roof membrane, installing the pipe carrier assemblies, and as follows:

BUR: Set flashing deck flange in layer of plastic cement and flash in with 3 overlapping layers of felt flashing.

ModBit: Torch membrane until bitumen is fluid and set flashing deck flange into fluid. Flash in flange with two overlapping layers of ModBit and seal with asphalt sealer. Do not overheat (melt) EPDM Base Seal.

Single Ply: Set flashing deck flange in layer of membrane adhesive and extend single ply up sleeve to highest elevation possible and clamp membrane to STACK JACK Flashing. Note: for PVC membrane, specify PVC coated aluminum, etc. STACK JACK by adding the suffix P to the end of the model number, e.g. MERS-630A-1-A-P; weld roofing to deck flange using PVC torch.

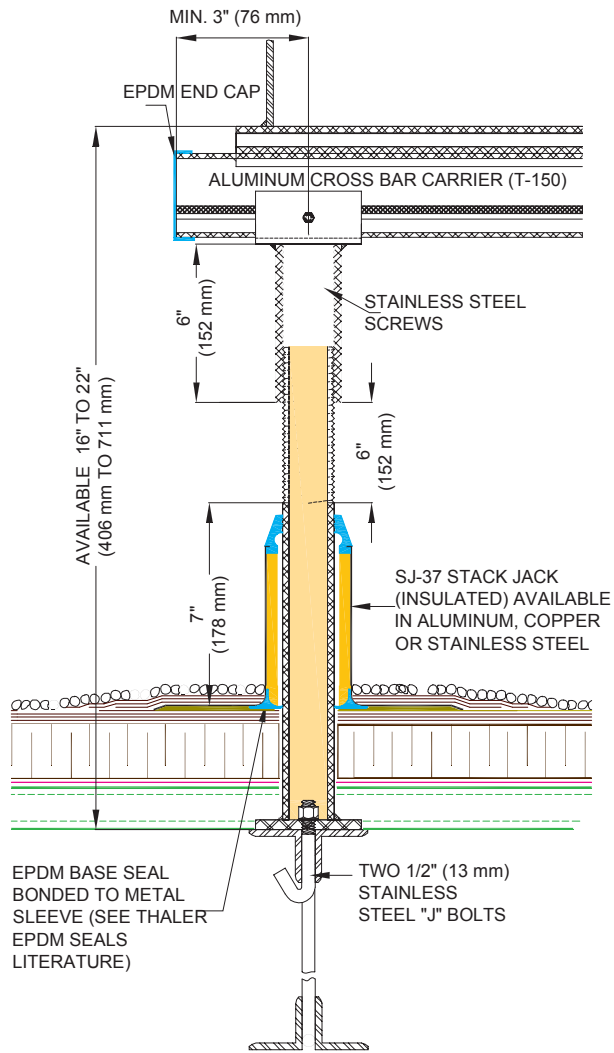
Precautions: Apply an asphaltic or other type protective coating to aluminum STACK JACK Flashing to a height of 2" (51 mm) above a limestone ballast to avoid corrosive reaction. Also, if coating deck flange with bituminous paint on site, allow 24 hours for drying before applying roof membrane.

Pipe Carrier Assemblies: Thread hollow aluminum upper supports onto lower support legs, install cross-bar carrier and cradle assemblies, place pipes onto cradle assemblies and secure stainless steel retaining straps over pipes allowing for clearance between pipe and strap.

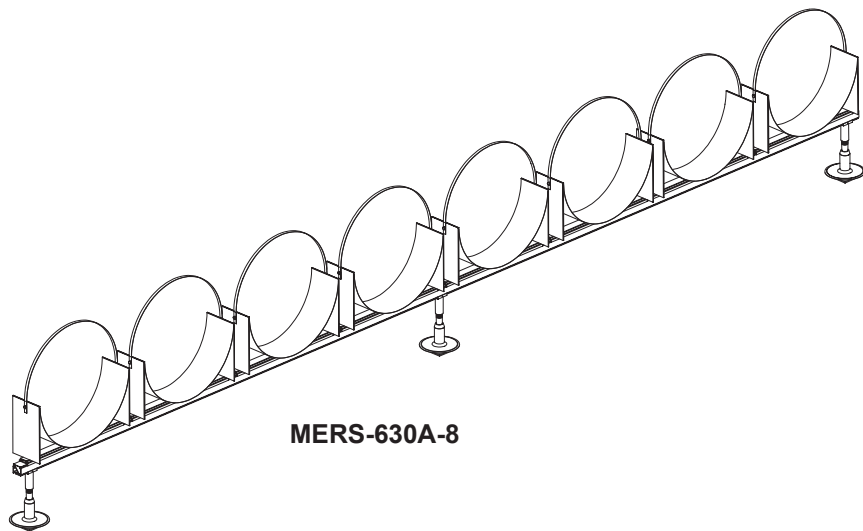
Ordering: Specify flashing material required by adding appropriate suffix to model number e.g. MERS-630A-1-A, for aluminum, etc. Available throughout North America. Contact Thaler for list of distributors and current cost information. Most products are readily available from stock.

Note: The following table indicates the allowable uniformly working loads for T-150 (aluminum cross bar carrier) beam. The beam extends a minimum of 3" (76 mm) beyond the center line of support.

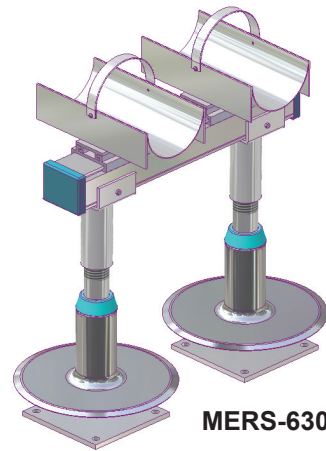
Span	Maximum Uniformly Distributed Load	Total Load
3' (914 mm)	900 plf (13 kN/m)	2700 lbs (12.15 kN)
4' (1219 mm)	675 plf (9.8 kN/m)	2700 lbs (12.15 kN)
5' (1524 mm)	540 plf (7.9 kN/m)	2700 lbs (12.15 kN)
6' (1829 mm)	450 plf (6.6 kN/m)	2700 lbs (12.15 kN)
7' (2133 mm)	330 plf (4.8 kN/m)	2310 lbs (10.39 kN)
8' (2438 mm)	250 plf (3.6 kN/m)	2000 lbs (9kN)
9' (2743 mm)	200 plf (2.9 kN/m)	1800 lbs (8.1 kN)
10' (3048 mm)	160 plf (2.3 kN/m)	1600 lbs (7.2 kN)



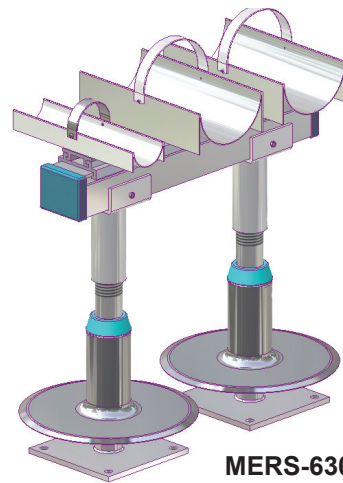
TYPICAL MERS-630A ALUMINUM SUPPORT
(LARGE SCALE DETAIL)



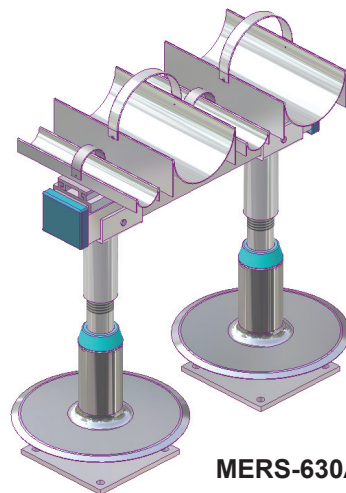
MERS-630A-8



MERS-630A-2



MERS-630A-3



MERS-630A-4