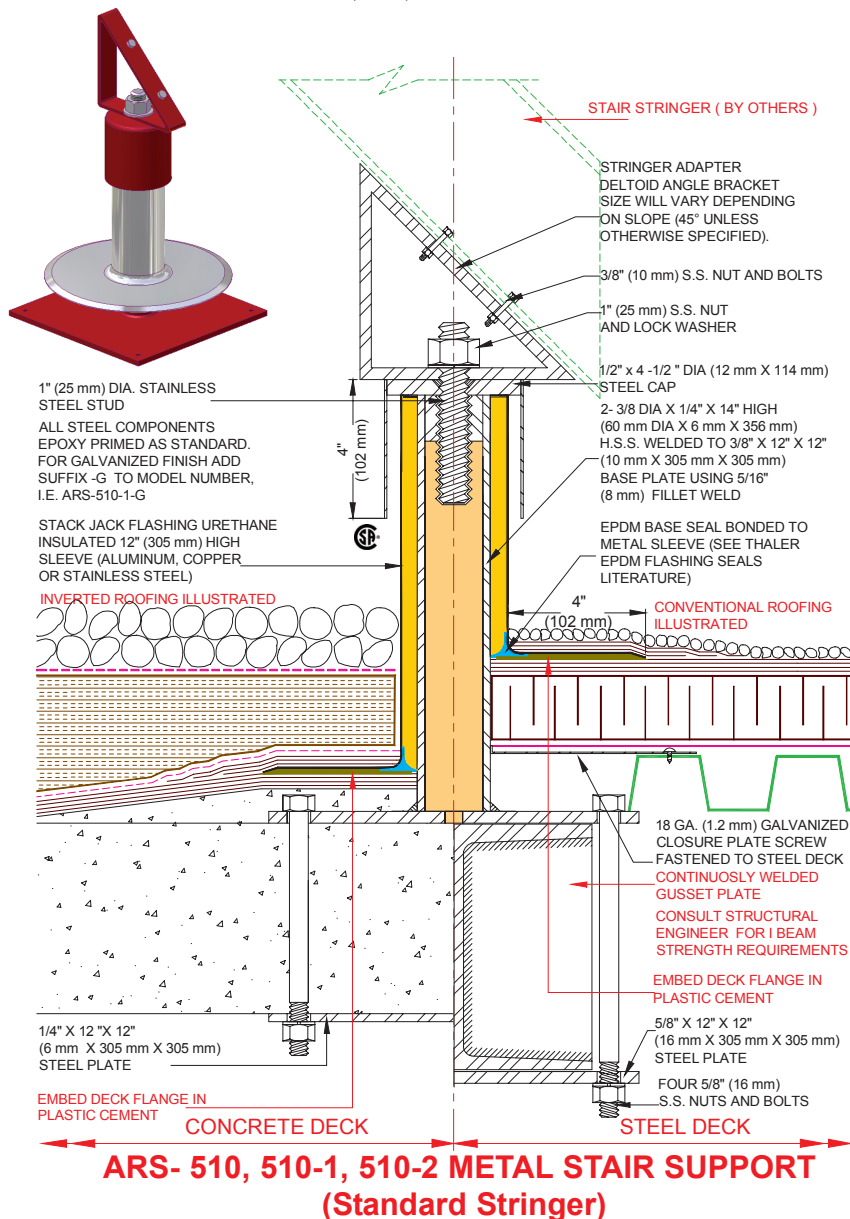


MODEL NUMBER	HSS SUPPORT			THREAD Ø	DELTOID ANGLE DIMENSIONS	BASE PLATE		FASTENING BOLT Ø
	Height	Outside Ø	Thickness			Bolt Securement	Weld Securement	
ARS-510	14" (356 mm)	2-3/8" (60 mm)	1/4" (6 mm)	1" (25 mm)	1/4" X 1-1/2" (6 mm X 38 mm)	3/8" X 12" X 12" (10 mm X 305 mm X 305 mm)	3/8" X 4" X 4" (10 mm X 102 mm X 102 mm)	3/8" (10 mm)
ARS-510-1	14" (356 mm)	4-1/2" (114 mm)	1/4" (6 mm)	2" (51 mm)	3/8" X 1-1/2" (10 mm X 38 mm)	1/2" X 12" X 12" (13 mm X 305 mm X 305 mm)	1/2" X 6" X 6" (13 mm X 152 mm X 152 mm)	1/2" (12 mm)
ARS-510-2	14" (356 mm)	6-5/8" (168 mm)	1/4" (6 mm)	2" (51 mm)	1/2" X 2" (13 mm X 51 mm)	5/8" X 14" X 14" (16 mm X 356 mm X 356 mm)	5/8" X 8" X 8" (16 mm X 203 mm X 203 mm)	5/8" (16 mm)

FOR SUPPORTS OTHER THAN STANDARD 14" (356 mm) HEIGHT, ADD SUFFIX "NS" TO MODEL NUMBER I.E. ARS-510-2/NS



INSTALLATION

"Installation Instructions" are provided with every Thaler product. Essentially, the Thaler ARS-510 Roof Support is installed by fastening the mounting plate to the structural roof deck, placing the flashing sleeve over the support and roof membrane, installing the steel cap/stringer adapter deltoid bracket, 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 top of metal flashing and then screw cap down over single ply. Note: for PVC membrane, specify PVC coated aluminum, etc. flashing deck flange by adding suffix P to end of model number e.g. ARS-510-A-P; weld roofing to deck flange using PVC torch.

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

Stringer Components: Thread upper portion of support (with stringer adapter deltoid bracket) onto lower support leg and mechanically attach stringer (by others) using the 1/2" (12 mm) stainless steel bolts provided.

Ordering and Availability: Specify flashing material required by adding appropriate suffix to model number e.g. ARS-510-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.

ROOF SPECIALTIES ARS-510/510-1/510-2 METAL STAIR ROOF SUPPORTS (Standard Stringer)

DESCRIPTION

Thaler ARS-510 Series of Metal Stair Roof Support consists of a urethane insulated, epoxy primed, hollow steel support and mounting plate, (adhesive fasteners supplied by others), adjustable height (galvanized optional) steel cap and stringer adapter deltoid bracket designed to receive a standard, metal stair stringer (by others). Unless otherwise specified or noted on drawings, stringer adapter bracket will be provided for 45° stringer. A urethane insulated flashing, available in aluminum, copper, or stainless steel, with EPDM Base Seal, completes the assembly. Three models are available to suit different structural and/or size requirements.

Prominent Features: Condensation free. Maintenance free (never needs caulking). Threaded leg assembly provides up to 2" (51 mm) vertical adjustment for levelling if necessary.

Options: Stringer adapter deltoid bracket angle as desired (note: unless specified otherwise, a 45° angle will be provided). PVC coated flashing deck flange for PVC roof membrane. Bituminous painted flashing deck flange for BUR and ModBit roof membrane. Can be combined for use with ARS-100A floating walkway rail roof support or ARS-102A fire route walkway rail roof support.

RECOMMENDED USE

Suitable for all flat roofs as a metal stair roof support at changes in roof level or other areas to facilitate access for maintenance, fire route or similar applications.

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)

Metal stair roof supports: Thaler [ARS-510] [ARS-510-1] [ARS-510-2] adjustable height, epoxy coated, urethane insulated hollow steel supports including appropriate hardware (adhesive fasteners supplied by others) for fastening to structural roof deck and (galvanized optional) steel cap (galvanized to CSA G164-M1992) and designed for affixing steel stair (by others); manufacturer's standard urethane insulated [.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] flashing with 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.