

SECTION C

MECH & ELECT FLASHINGS

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WHAT IT TAKES TO BE THALER OR EQUAL

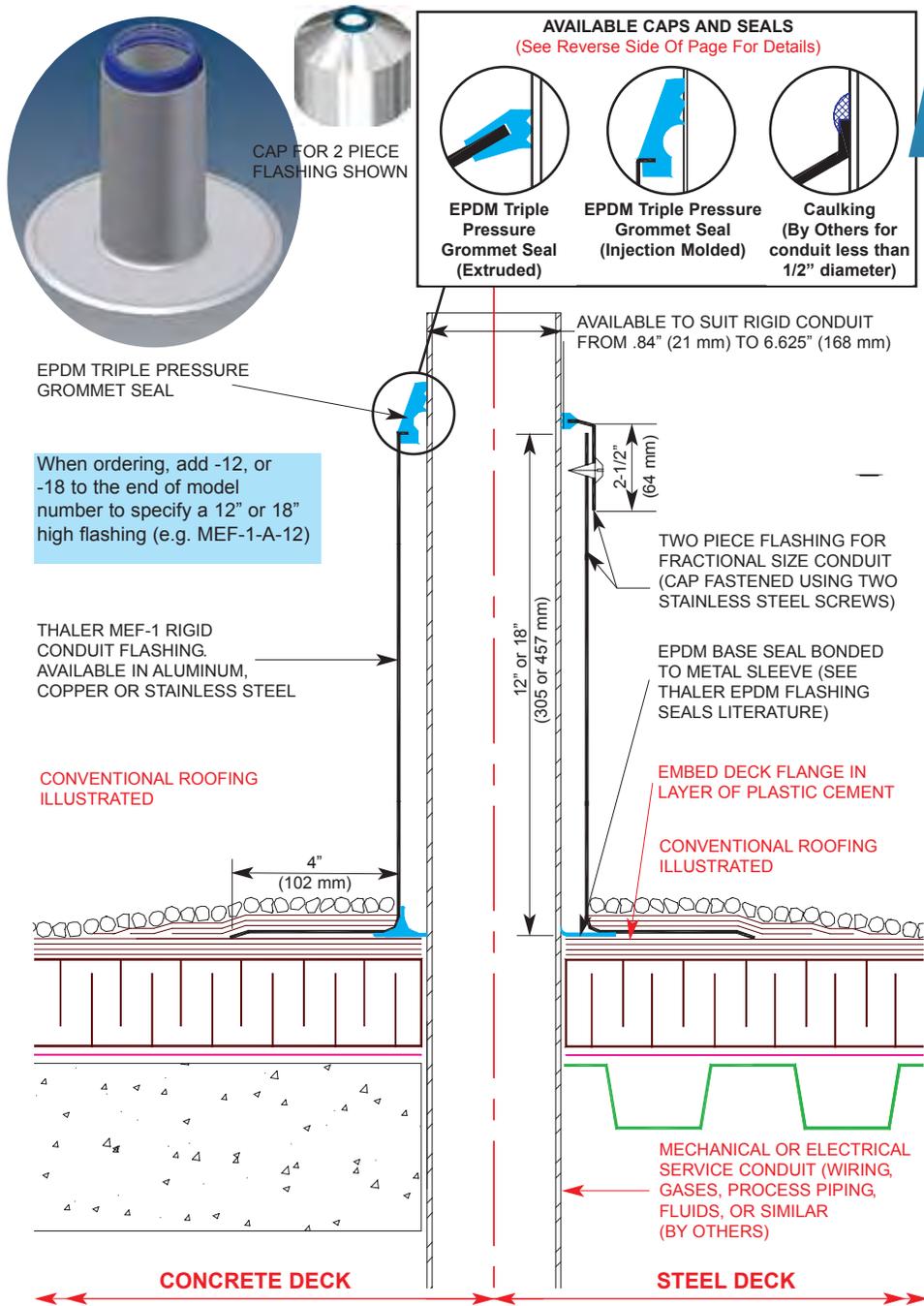
When specifications read Thaler or Equal, it is incumbent upon specifiers and building owners to determine what it means to be “Or Equal”. The following data has been presented to quickly help assess the comparative merits of “competitive” products. Thaler Mechanical and Electrical Flashing products have a number of Value Added features that should be considered when trying to equate the “Or Equal”.

CHECK THE COMPETITION

THALER VALUE ADDED FEATURES

- | | | |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | EPDM Triple Pressure Grommet Seal; EPDM “memory” in the seal provides constant pressure to outside of vent pipe to prevent leaks. See Thaler EPDM Flashing Seals literature. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | EPDM Base Seal; EPDM “memory” in the seal provides constant pressure to outside of conduit vent pipe, etc. to prevent condensation build-up. See Thaler EPDM Flashing Seals literature. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Incorporates air barrier principles; meets the requirements for air leakage control better than any mechanical and/or electrical flashing on the market today. See Thaler EPDM Flashing Seals literature. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | EPDM Triple Pressure Grommet Seal and Base Seal sizes; available for any size diameter conduit, vent pipe, etc. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Injection molded urethane insulation (where applicable); adheres to inner side of sleeve without air pockets. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | One piece, spun aluminum flashing sizes; supplied whenever possible for use with single, double or multiple conduit in virtually any diameter. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Treated deck flange; can be PVC coated for proper adhesion of PVC membrane or bituminous painted for BUR or ModBit membrane. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Material options and thickness; most products available in .064” (1.6 mm) mill finish 1100-0T alloy aluminum, .032” (0.831 mm) 24 oz. copper or .031” (0.79 mm) 22 ga. Type 304 stainless steel. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 20 year Warranty; guaranteed against leaks, condensation and defects in materials and/or manufacture when installed in accordance with Thaler “Installation Instructions”. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Maintenance-Free; never needs caulking (any caulking at any time will invalidate 20 year warranty) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Written “Installation Instructions”; provided with every Thaler product. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Aluminum Base Plate and S.S. Fastening Screws; supplied with the MEF-2A product line. Oversized base plate acts as a counterweight to provide greater stability. Screws provided to prevent improper installation. |

ROOF SPECIALTIES MEF-1 RIGID CONDUIT FLASHING



AVAILABLE CAPS AND SEALS (See Reverse Side Of Page For Details)



EPDM Triple Pressure Grommet Seal (Extruded)



EPDM Triple Pressure Grommet Seal (Injection Molded)



Caulking (By Others for conduit less than 1/2" diameter)

CAP FOR 2 PIECE FLASHING SHOWN

EPDM TRIPLE PRESSURE GROMMET SEAL

When ordering, add -12, or -18 to the end of model number to specify a 12" or 18" high flashing (e.g. MEF-1-A-12)

THALER MEF-1 RIGID CONDUIT FLASHING. AVAILABLE IN ALUMINUM, COPPER OR STAINLESS STEEL

CONVENTIONAL ROOFING ILLUSTRATED

TWO PIECE FLASHING FOR FRACTIONAL SIZE CONDUIT (CAP FASTENED USING TWO STAINLESS STEEL SCREWS)

EPDM BASE SEAL BONDED TO METAL SLEEVE (SEE THALER EPDM FLASHING SEALS LITERATURE)

EMBED DECK FLANGE IN LAYER OF PLASTIC CEMENT

CONVENTIONAL ROOFING ILLUSTRATED

MECHANICAL OR ELECTRICAL SERVICE CONDUIT (WIRING, GASES, PROCESS PIPING, FLUIDS, OR SIMILAR (BY OTHERS))

CONCRETE DECK

STEEL DECK

MEF-1 RIGID CONDUIT FLASHING

PATENTED

INSTALLATION:

"Installation Instructions" are provided with every Thaler product. Essentially, Thaler MEF-1 Flashing is installed by placing the flashing over the conduit or alternatively feeding the conduit through after the flashing has been placed. In either case, install flashing as follows:

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

Precautions: Apply an asphaltic or other type protective coating to aluminum MEF-1 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.

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

DESCRIPTION:

Thaler MEF-1 Rigid Conduit Flashing consists of a metal flashing sleeve with integral deck flange, EPDM Base Seal, removable cap, and a choice of grommet seals depending on the size of the rigid conduit being employed. Available aluminum, copper, and stainless steel.

Diameter: Sleeve diameter ranges from 3-1/8" (79 mm) to 7-1/2" (191 mm) depending on conduit size. Conduit diameters that can be accommodated range from 1/4" (6 mm) to 6" (152 mm) O.D. See Sizes Chart on reverse side of page.

Height: 12" (305 mm) or 18" (457 mm) high.

PROMINENT FEATURES:

Condensation free. EPDM seals will not allow moisture to penetrate flashing (see Thaler EPDM Flashing Seals literature). Note: exception to this feature is the caulked cap for 1/4" and 3/8" (6 mm and 10 mm) diameter conduit which are not supplied with an EPDM Triple Pressure Grommet Seal; however should moisture be able to penetrate the caulking (in the event the caulking is not maintained) the EPDM Base Seal would prevent any accumulated moisture from penetrating the ceiling space below.

OPTIONS:

See Sizes Chart on page C-9. PVC coated deck flange for PVC roof membrane. Bituminous painted deck flange for BUR and ModBit roof membrane. Split flashing (SPJ-2) is available as an alternative if sleeve cannot fit over conduit.

RECOMMENDED USE:

For rigid conduit penetrating the roof.

WARRANTY:

20 year warranty against leaks, condensation and defects in materials and/or manufacture when installed in accordance with Thaler "Installation Instructions". Warranty not valid for caulked cap or where metal components are subjected to unusually harsh corrosive environments e.g. pulp mills, mining facilities and similar applications (stainless steel only is recommended for these installations).

MAINTENANCE:

No maintenance required (maintenance free), however conduit employing a caulking bead top seal for the cap should be inspected semi-annually to ensure caulking remains intact. All flashings employing an EPDM Triple Pressure Grommet Seal never need caulking.

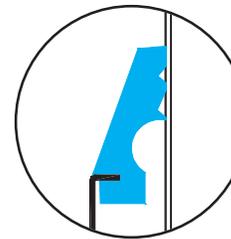
SPECIFICATION (SHORT FORM):

Rigid Conduit flashing: Thaler MEF-1 [12" (305 mm) [18" (457 mm) high flashing; [0.064" (1.6 mm) mill finish 1100-OT alloy aluminum] [0.032" (0.831 mm) 24 oz. copper] [0.031" (0.79 mm) 22 ga. Type 304 stainless steel]; to CSA B272-93; with EPDM Triple Pressure Grommet Seal for conduit 1/2" (13 mm) and larger, and caulking (by others) for conduit 3/8" (10 mm) dia. and smaller; EPDM Base Seal; [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 (Buffalo, NY), installed as per manufacturer's written instructions. Provide 20 year warranty against leaks, condensation and defects in materials and/or manufacture. **Continued on reverse...**

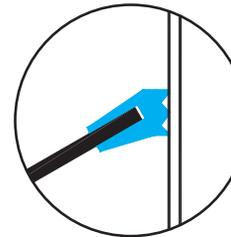
Sizes Chart

This chart illustrates the different EPDM Grommet Seals and Base Seals which will be used for each size conduit, vent pipe, etc.

Trade Size	Actual Size (inches)	Actual Size (millimeters)	Grommet Supplied
1/2"	.84"	(21 mm)	B
3/4"	1.05"	(27 mm)	B
1"	1.315"	(33 mm)	B
1-1/4"	1.66"	(42 mm)	B
1-1/2"	1.9"	(48 mm)	A
2"	2.375"	(60 mm)	A
2-1/2"	2.875"	(73 mm)	B
3"	3.5"	(89 mm)	A
3-1/2"	4"	(102 mm)	A
4"	4.5"	(114 mm)	A
5"	5.563"	(141 mm)	A
6"	6.625"	(168 mm)	A



Type A
EPDM Triple
Pressure Grommet
Seal (Injection
Molded)

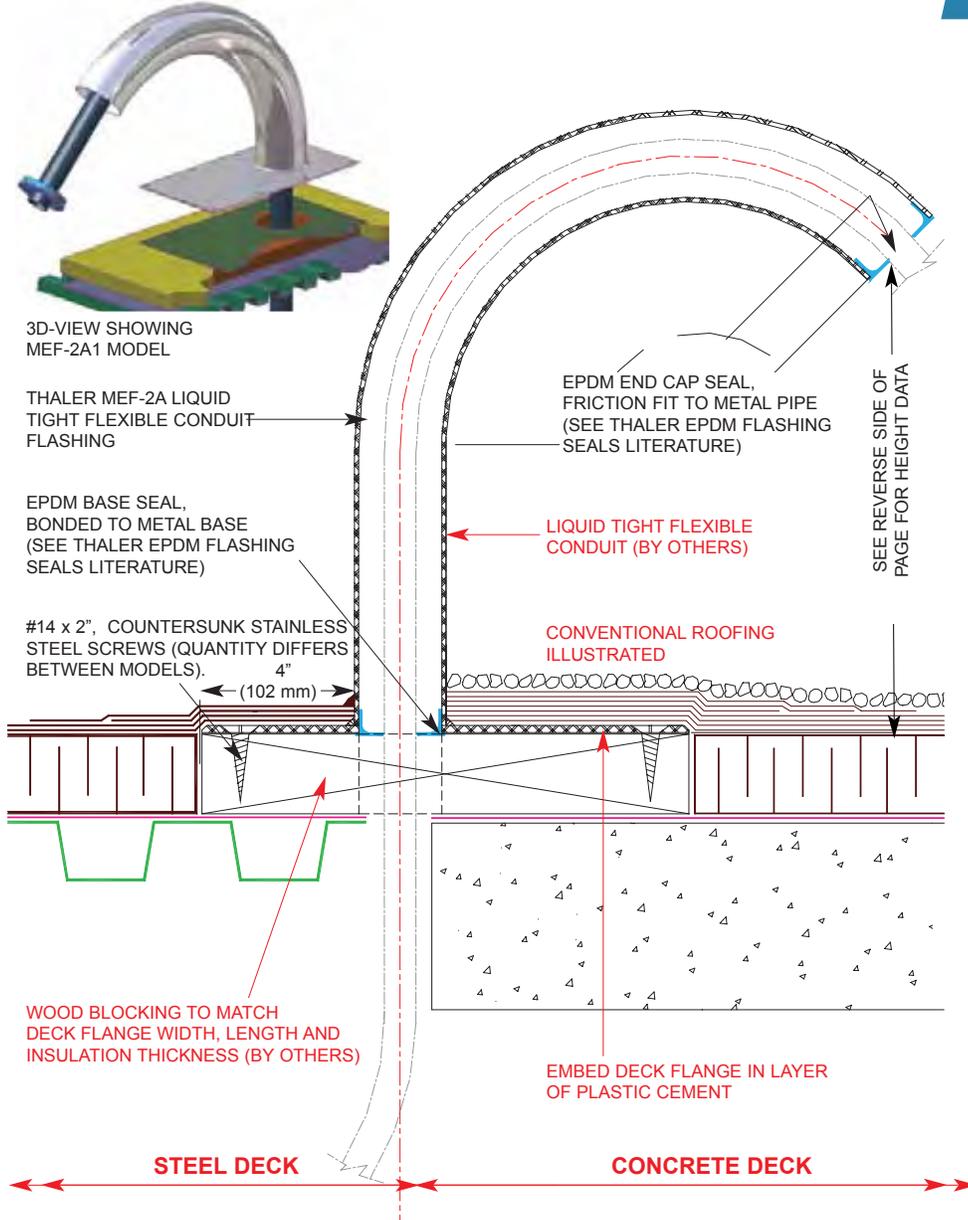


Type B
EPDM Triple
Pressure Grommet
Seal (Extruded)

ROOF SPECIALTIES MEF-2A/MEF-2A1/MEF-2A2 LIQUID TIGHT FLEXIBLE CONDUIT FLASHING

Model	Conduit Size	Bend Radius	Pipe I.D.	Pipe O.D.	Base Plate
MEF-2A	.25" to 1.32"	7.5" (191 mm)	2.125" (55 mm)	2.375" (60 mm)	.1875 x 10 x 12" (5 x 254 x 305 mm)
MEF-2A1	1.32" to 2"	12" (305 mm)	3.260" (83 mm)	3.5" (89 mm)	.25 x 12 x 17" (6 x 305 x 432 mm)
MEF-2A2	2" to 4"	20" (508 mm)	6.357" (161 mm)	6.625" (168 mm)	.375 x 14 x 27" (6 x 356 x 686 mm)

SEE REVERSE SIDE OF PAGE FOR DETAILS.



MEF-2A/MEF-2A1/MEF-2A2 LIQUID TIGHT FLEXIBLE CONDUIT FLASHING PATENTED

INSTALLATION:

"Installation Instructions" are provided with every Thaler product. Essentially, Thaler flexible conduit flashings are installed by placing the flashing over the conduit or alternatively feeding the conduit through after the flashing has been placed. In either case, install flashing as follows:

BUR: Set 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 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 deck flange in layer of membrane adhesive and extend single ply up sleeve to highest elevation possible and clamp membrane to flashing. Note: for PVC membrane, specify PVC coated flashing by adding suffix P to end of model number, e.g. MEF-2A-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 bituminous paint on site, allow 24 hours for drying before applying roof membrane.

Ordering and Availability: Available throughout North America. Contact Thaler for list of distributors and current cost information. Most products are readily available from stock.

DESCRIPTION:

Thaler MEF-2A, MEF-2A1 and MEF-2A2 Liquid Tight Flexible Conduit Flashings consist of a gooseneck shaped aluminum flashing pipe sleeve with integral deck flange, EPDM End Cap Seal and EPDM Base Seal. Each seal is provided with one or more holes, for liquid tight flexible steel conduit or for a small diameter auxiliary wire for air handling units (optional).

Diameter: Flexible conduit from 1/4" (6 mm) up to 4" (102 mm) nominal size can be accommodated. See Sizes Chart on reverse side of page.

Height: 12" (305 mm) for MEF-2A and MEF-2A1; 20" (508 mm) for MEF-2A2.

PROMINENT FEATURES:

Condensation free. Never needs caulking (see Thaler EPDM Flashing Seals literature).

OPTIONS:

Thaler flashing for inverted roofs e.g. 6" (152 mm) or more additional height. Auxiliary wire hole in both EPDM End Cap Seal and Base Seal, (see Thaler EPDM Flashing Seals literature). PVC coated deck flange for PVC roof membrane. Bituminous painted deck flange for BUR and ModBit roof membrane. Split flashing (SPJ-2) is available as an alternative if sleeve cannot fit over conduit.

RECOMMENDED USE:

For liquid tight flexible steel conduit penetrating the roof for electrical services.

WARRANTY:

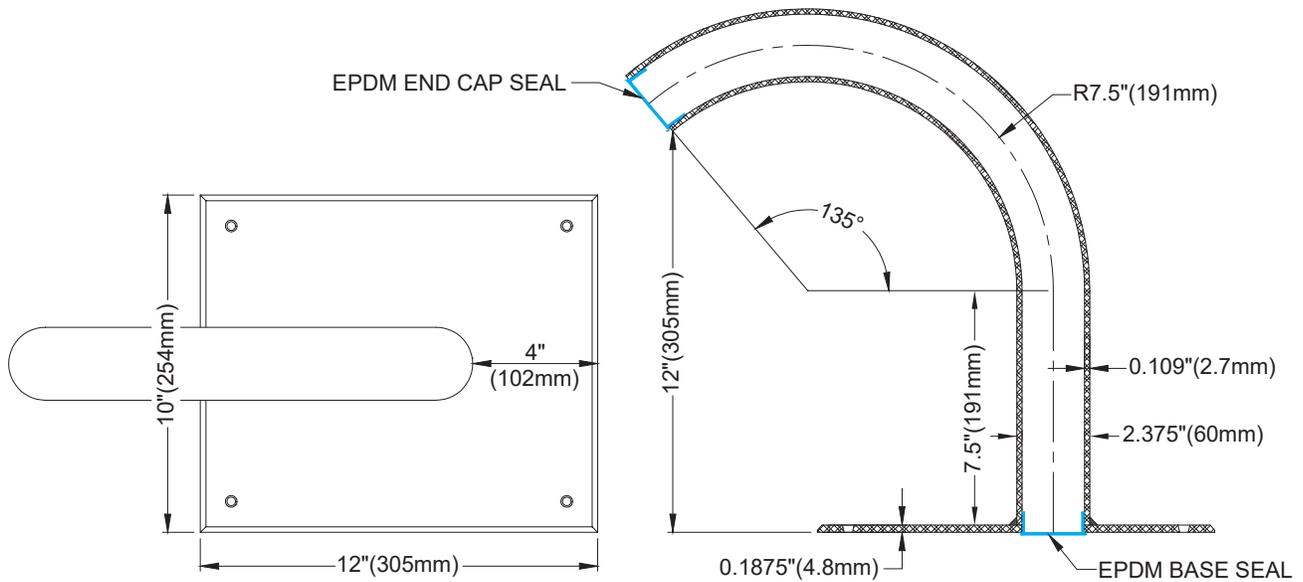
20 year warranty against leaks, condensation and defects in materials and/or manufacture when installed in accordance with Thaler "Installation Instructions". Warranty not valid where metal components are subjected to unusually harsh corrosive environments e.g. pulp mills, mining facilities and similar applications. Stainless steel only is recommended for these installations.

MAINTENANCE:

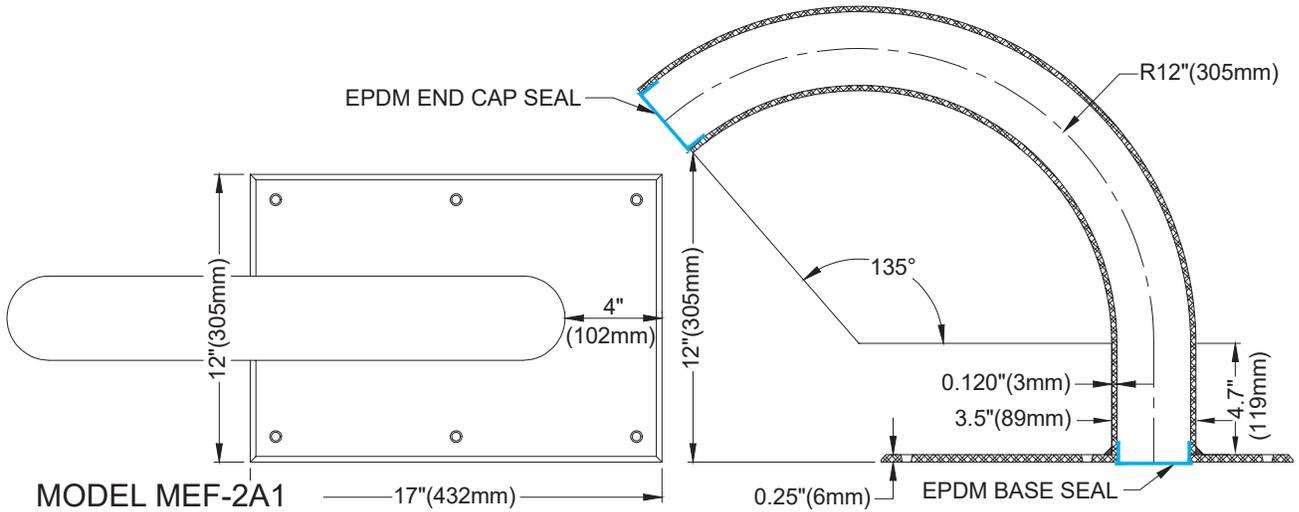
No maintenance required (maintenance free).

SPECIFICATION (SHORT FORM):

Flexible Conduit flashing: Thaler [MEF-2A standard 12" (305 mm)] [MEF-2A1 standard 12" (305 mm)] [MEF-2A2 standard 15" (385 mm)] high flashing; 6061-T4 aluminum with mill finish; to CSA B272-93; with EPDM End Cap Seal and Base Seal; EPDM Seals with hole to suit ____ dia. liquid tight flexible conduit [and air handling unit auxiliary wire hole to suit ____ dia. wire]; [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 lecondensation and defects in materials and/or manufacture. **Continued on reverse...**

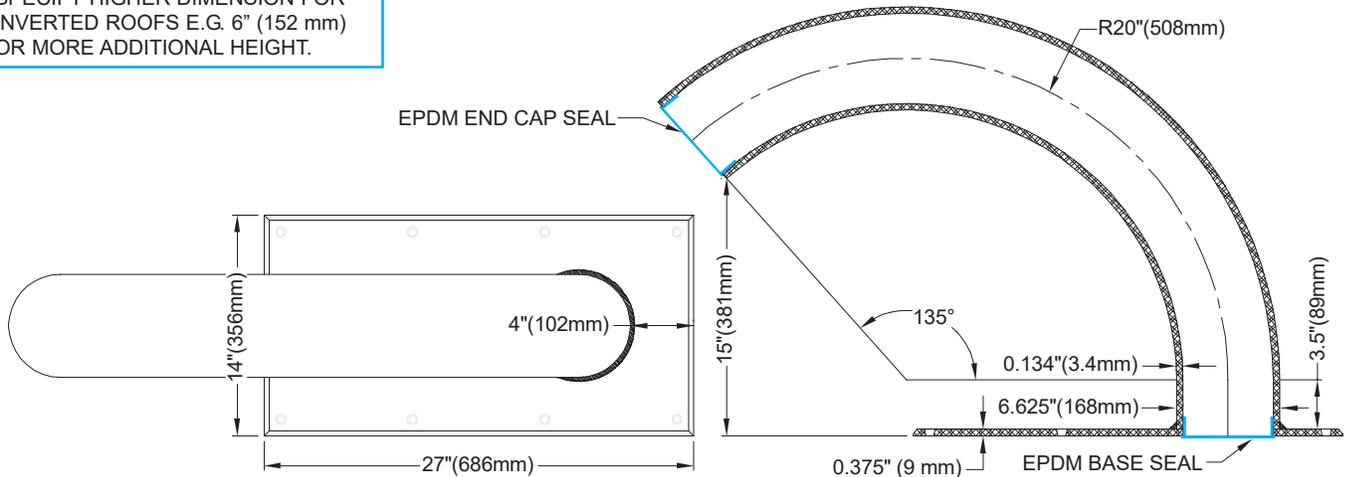


MODEL MEF-2A



MODEL MEF-2A1

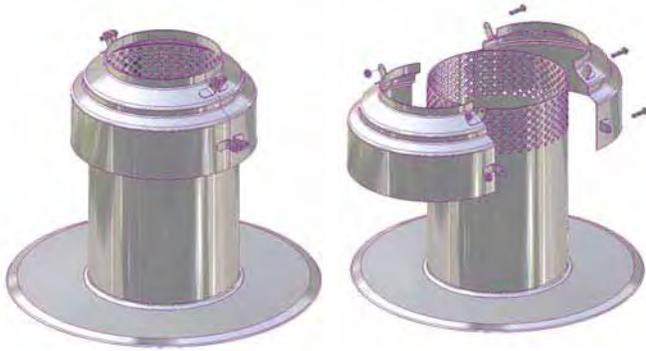
NOTE:
SPECIFY HIGHER DIMENSION FOR
INVERTED ROOFS E.G. 6" (152 mm)
OR MORE ADDITIONAL HEIGHT.



MODEL MEF-2A2

ROOF SPECIALTIES

MEF-3A
HOT PIPE
FLASHINGS



AVAILABLE TO SUIT
HOT PIPES FROM
3" (76 mm) UP TO
43" (1092 mm) DIA.

DESCRIPTION:

Thaler MEF-3A Hot Pipe Flashing consists of a metal flashing sleeve with integral deck flange, and matching two piece, friction fit collar. The flashing sleeve is typically supplied 4" (102 mm) larger than the hot pipe diameter to accommodate 2" (51 mm) of mineral wool insulation (by others). The sleeve is also perforated at the top with 1/4" (6 mm) diameter holes for a height of 3" (76 mm). Available in aluminum, copper or stainless steel.

Diameter: Sleeve diameter ranges from 6" (152 mm) to 43" (1092 mm) depending on hot pipe size.
Height: Available 12" (305 mm) or 18" (457 mm) high.

PROMINENT FEATURES:

Maintenance free.

OPTIONS:

PVC coated deck flange for PVC roof membrane. Bituminous painted deck flange for BUR and ModBit roof membrane. Split flashing (SPJ-2) is available as an alternative if sleeve cannot fit over hot pipe.

RECOMMENDED USE:

For hot pipes used in connection with diesel generators, steam heating, chimney pipes and similar applications.

WARRANTY:

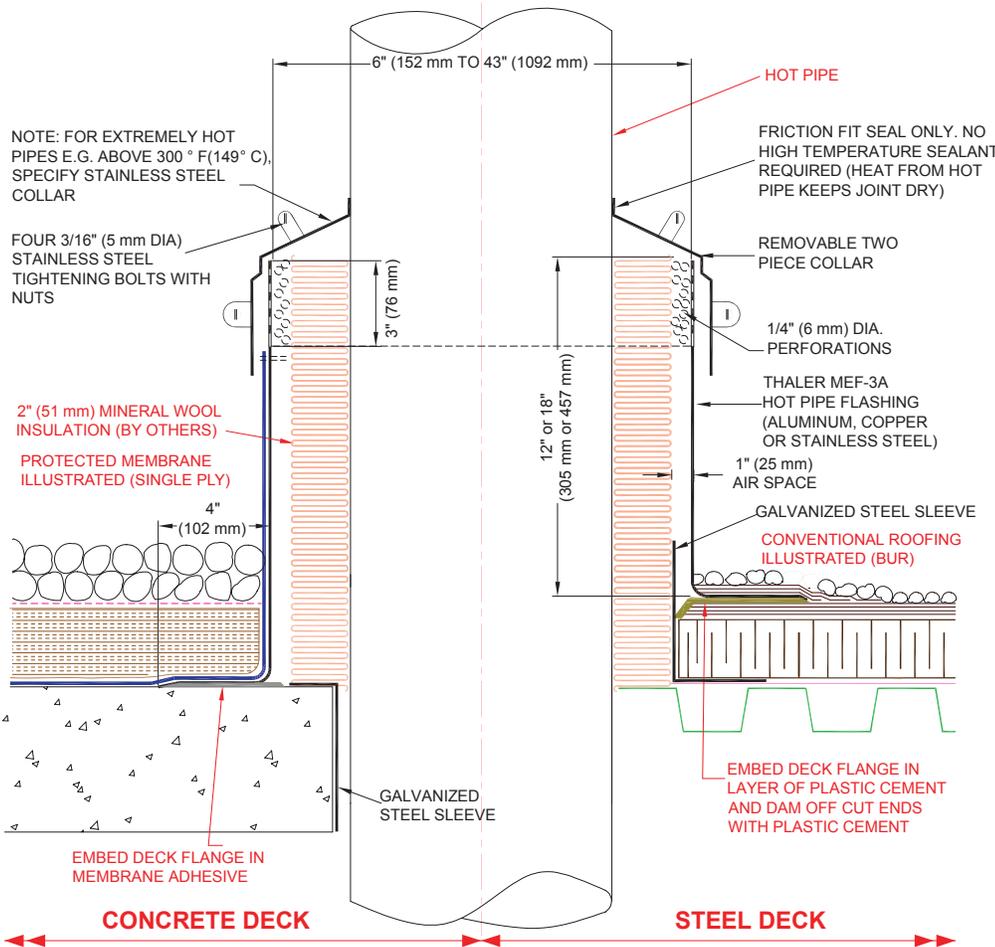
20 year warranty against leaks, condensation and defects in materials and/or manufacture when installed in accordance with Thaler "Installation Instructions". Warranty not valid where metal components are subjected to unusually harsh corrosive environments e.g. pulp mills, mining facilities and similar applications. Stainless steel only is recommended for these installations.

MAINTENANCE:

No maintenance required (maintenance free).

SPECIFICATION (SHORT FORM):

Hot pipe flashing: Thaler MEF-3A Hot Pipe Flashing [12" (305 mm)] [18" (457 mm)] high with 1/4" (6 mm) dia. perforations at top of flashing, integral deck flange and matching two piece collar; [.064" (1.6 mm) mill finish 1100-OT alloy aluminum] [24 oz. 0.032" (0.831 mm) copper] [.031" (0.79 mm) 22 ga. Type 304 stainless steel]; diameter to suit hot pipe; galvanized steel sleeve deck protection; [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 Brunfels, TX), installed as per manufacturer's written instructions. Provide 20 year warranty against leaks, condensation and defects in materials and/or manufacture.



NOTE: FOR EXTREMELY HOT PIPES E.G. ABOVE 300 ° F(149° C), SPECIFY STAINLESS STEEL COLLAR

FOUR 3/16" (5 mm DIA) STAINLESS STEEL TIGHTENING BOLTS WITH NUTS

2" (51 mm) MINERAL WOOL INSULATION (BY OTHERS)
PROTECTED MEMBRANE ILLUSTRATED (SINGLE PLY)

4" (102 mm)

EMBED DECK FLANGE IN MEMBRANE ADHESIVE

CONCRETE DECK

STEEL DECK

MEF-3A HOT PIPE FLASHING

INSTALLATION:

"Installation Instructions" are provided with every Thaler product. Essentially, Thaler MEF-3A Hot Pipe Flashings are installed by placing deck protection sleeve, wrapping the hot pipe with mineral wool insulation (by others), placing the flashing over the hot pipe, and as follows:

BUR: Set deck flange in layer of plastic cement while damming off cut ends of membrane with plastic cement and flash in with 3 overlapping layers of felt flashing.

ModBit: Torch membrane until bitumen is fluid and set flange into fluid. Flash in flange with two overlapping layers of ModBit and seal with asphalt sealer.

Single Ply: Set deck flange in layer of membrane adhesive and extend single ply up sleeve to highest elevation possible and clamp membrane to Hot Pipe Flashing. Note: for PVC membrane, specify PVC coated flashing by adding suffix P to end of model number, e.g. MEF-3A-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 bituminous paint on site, allow 24 hours for drying before applying roof membrane.

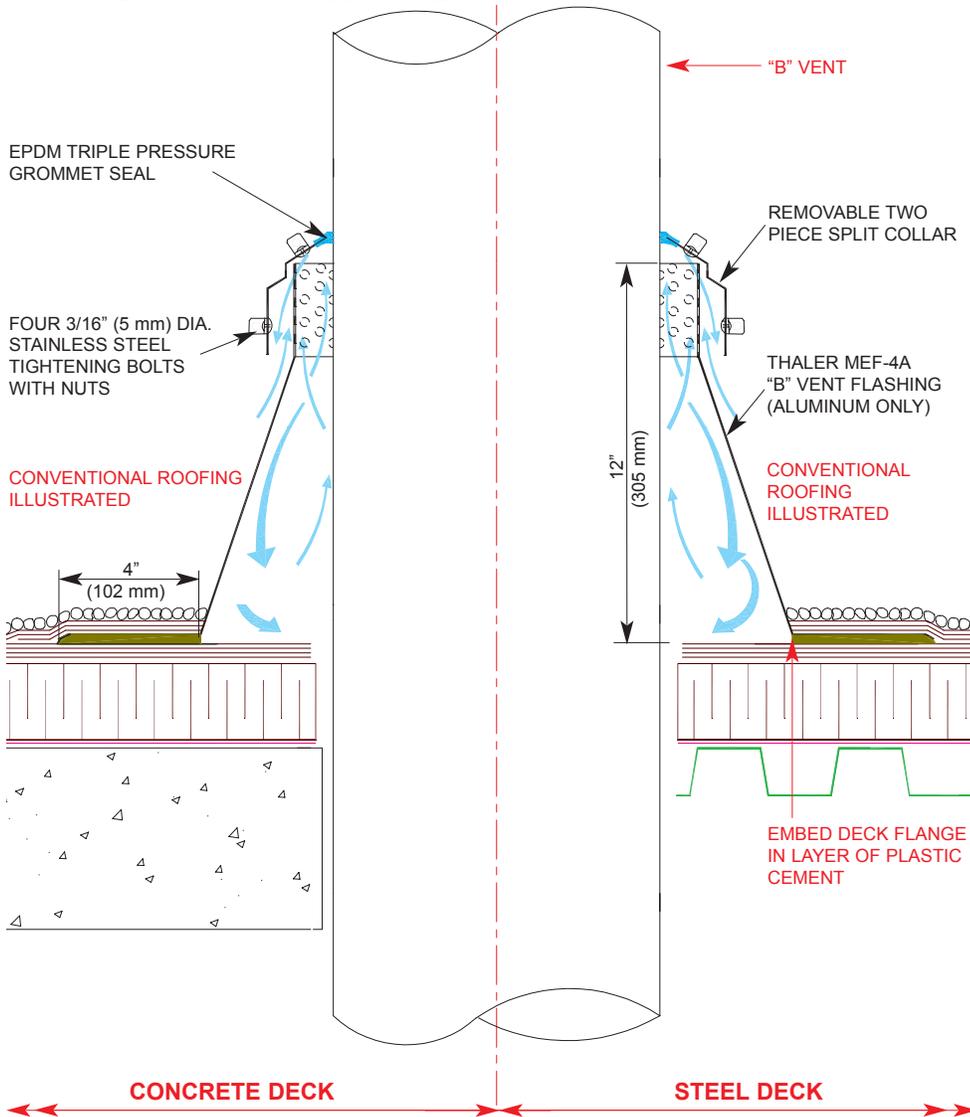
Ordering and Availability: Available throughout North America. Contact Thaler for list of distributors and current cost information. Most products are readily available from stock.

ROOF SPECIALTIES

MEF-4A
"B" VENT
FLASHINGS



AVAILABLE TO SUIT "B" VENTS FROM 3" (76 mm) UP TO 17" (432 mm) DIA.



MEF-4A "B" VENT FLASHING

PATENTED

INSTALLATION:

"Installation Instructions" are provided with every Thaler product. Essentially, Thaler MEF-4A "B" Vent Flashings are installed by placing the flashing over the vent stack and as follows:

BUR: Set 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 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 deck flange in layer of membrane adhesive and extend single ply up sleeve to highest elevation possible and clamp membrane to flashing. Note: for PVC membrane, specify PVC coated flashing by adding suffix P to end of model number, e.g. MEF-4A-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 bituminous paint on site, allow 24 hours for drying before applying roof membrane.

Ordering and Availability: Available throughout North America. Contact Thaler for list of distributors and current cost information. Most products are readily available from stock.

DESCRIPTION:

Thaler MEF-4A "B" Vent Flashing consists of an aluminum flashing sleeve with integral deck flange, matching two piece collar, EPDM Triple Pressure Grommet Seal. Available in aluminum only.

Diameter: Sleeve diameter ranges from 5-1/2" (140 mm) to 13-1/2" (343 mm) depending on "B" Vent size. Available also up to 17" (432 mm) vent diameter size. See MEF-4A Sizes Chart on reverse side of page.

Height: 12" (305 mm) is standard.

PROMINENT FEATURES:

Maintenance Free. Never needs caulking (see Thaler EPDM Flashing Seals literature).

OPTIONS:

PVC coated deck flange for PVC roof membrane. Bituminous painted deck flange for BUR and ModBit roof membrane. Split flashing (SPJ-2) is available as an alternative if sleeve cannot fit over vent stack.

RECOMMENDED USE:

For "B" Vents used in connection with gas heaters. Not intended for "hot pipes" (see Thaler Hot Pipe Flashing literature).

WARRANTY:

20 year warranty against leaks, condensation and defects in materials and/or manufacture when installed in accordance with Thaler "Installation Instructions". Warranty not valid where metal components are subjected to unusually harsh corrosive environments e.g. pulp mills, mining facilities and similar applications. Stainless steel only is recommended for these installations.

MAINTENANCE:

No maintenance required (maintenance free).

SPECIFICATION (SHORT FORM):

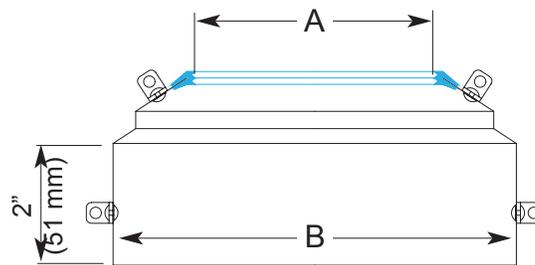
"B" Vent flashing: Thaler MEF-4A "B" Vent flashing, 12" (305 mm) high with integral deck flange and matching two piece collar with EPDM Triple Pressure Grommet Seal ;.064" (1.6 mm) mill finish 1100-OT alloy aluminum; diameter to suit "B" Vent diameter; [PVC coated deck flange][bituminous painted deck 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.

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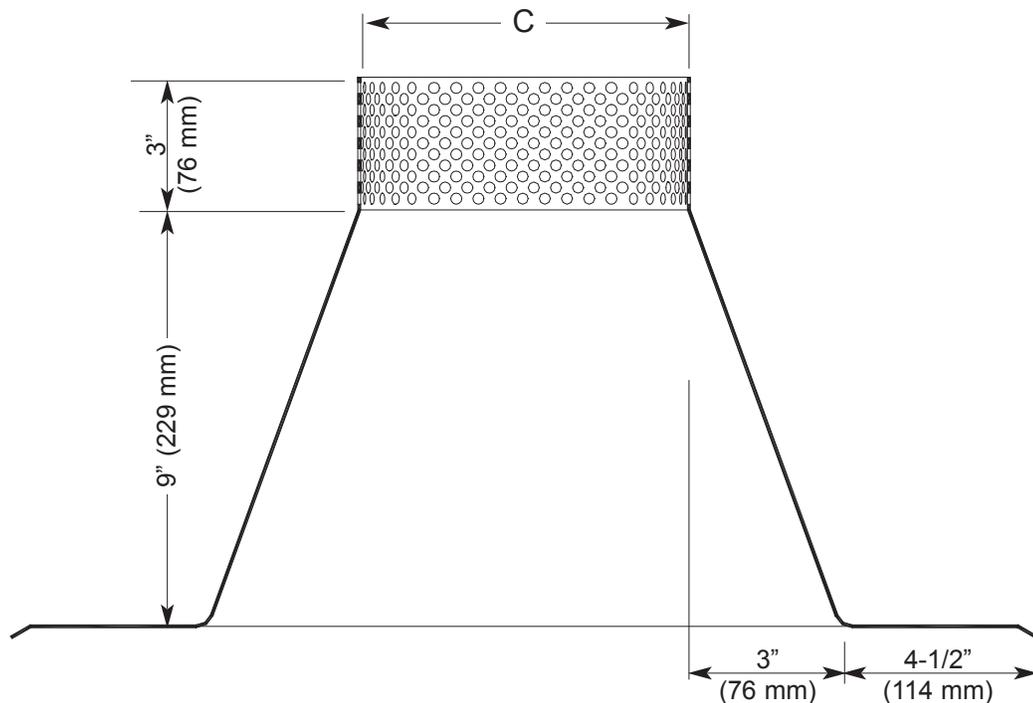
M-4A SIZES CHART

The size of the collar and base is determined by the size of the "B" Vent. In the chart below, dimension "A" represents the outside diameter of the "B" Vent. Dimensions "B" and "C" are the corresponding collar and base sizes.

"B" Vent Diameter (A)	Collar Diameter (B)	Base Diameter (C)
From 3" (76 mm) up to 5" (127 mm)	6-1/2" (165 mm)	5-1/2" (140 mm)
From 5-1/8" (130 mm) up to 7" (178 mm)	8-1/2" (216 mm)	7-1/2" (191 mm)
From 7-1/8" (181 mm) up to 8" (203 mm)	9-1/2" (241 mm)	8-1/2" (216 mm)
From 8-1/8" (206 mm) up to 9" (229 mm)	10-1/2" (267 mm)	9-1/2" (241 mm)
From 9-1/8" (232 mm) up to 11" (279 mm)	12-1/2" (318 mm)	11-1/2" (292 mm)
From 11-1/8" (283 mm) up to 13" (432 mm)	14-1/2" (368 mm)	13-1/2" (343 mm)
From 13-1/8" (333 mm) up to 15" (381 mm)	16-1/2" (419 mm)	15-1/2" (394 mm)
From 15-1/8" (384 mm) up to 17" (432 mm)	18-1/2" (470 mm)	17-1/2" (445 mm)

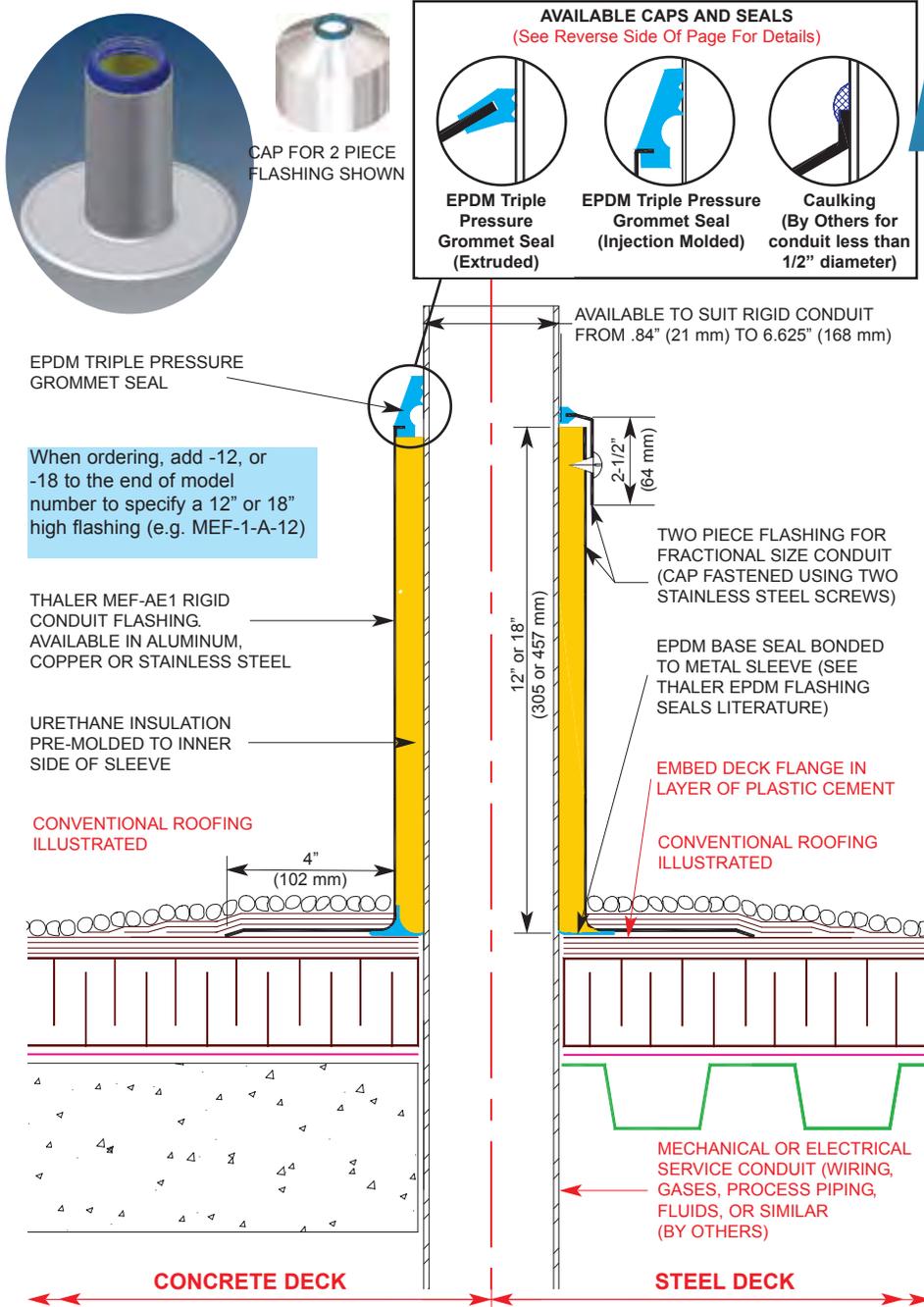


COLLAR



BASE

ROOF SPECIALTIES MEF-AE1 RIGID CONDUIT FLASHING



DESCRIPTION:

Thaler MEF-AE1 Rigid Conduit Flashing consists of a metal flashing sleeve with integral deck flange, pre-molded urethane insulation liner, EPDM Triple Pressure Grommet Seal, and EPDM Base Seal. A one piece flashing will be supplied for full size diameters (e.g. 2" (51 mm), 3" (76 mm)), etc. and for fractional sizes, a flashing and screw fastened removable cap will be supplied. Available in aluminum, copper, and stainless steel.

Diameter: Suitable for conduit diameters from 7/64" (2.5 mm) up to 6" (152 mm). See Sizes Chart on reverse side of page.

Height: Available 12" (305 mm) or 18" (457 mm) high.

PROMINENT FEATURES:

Maintenance free. Never needs caulking. See Thaler EPDM Flashing Seals literature.

OPTIONS:

See Sizes Chart on reverse side of page. PVC coated deck flange for PVC roof membrane. Bituminous painted deck flange for BUR and ModBit roof membrane. Split flashing (SPJ-2) is available as an alternative if sleeve cannot fit over vent stack.

RECOMMENDED USE:

For rigid mechanical or electrical conduit penetrating the roof.

WARRANTY:

20 year warranty against leaks, condensation and defects in materials and/or manufacture when installed in accordance with Thaler "Installation Instructions". Warranty not valid where metal components are subjected to unusually harsh corrosive environments e.g. pulp mills, mining facilities and similar applications. Stainless steel only is recommended for these installations.

MAINTENANCE:

No maintenance required (maintenance free).

SPECIFICATION (SHORT FORM):

Rigid conduit flashing: Thaler MEF-AE1, [.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 sleeve with integral deck flange, [12" (305 mm)] [18" (457 mm)] high; with pre-molded urethane insulation liner, EPDM Triple Pressure Grommet Seal, and EPDM Base Seal; diameter to suit rigid conduit; [PVC coated deck flange] [bituminous painted deck flange]; manufactured by Thaler Metal Industries, 1-800-387-7217 (Mississauga, Ontario, Canada) or -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.

Continued on reverse...

MEF-AE1 RIGID CONDUIT FLASHING

PATENT PENDING

INSTALLATION:

"Installation Instructions" are provided with every Thaler product. Essentially, Thaler MEF-AE1 Flashings are installed by placing the flashing over the conduit or alternatively feeding the conduit through after the flashing has been placed. In either case, install flashing as follows:

BUR: Set 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 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 deck flange in layer of membrane adhesive and extend single ply up sleeve to highest elevation possible and clamp membrane to Hot Pipe Flashing. Note: for PVC membrane, specify PVC coated flashing by adding suffix P to end of model number, e.g. MEF-AG1-P; weld roofing to deck flange using PVC torch.

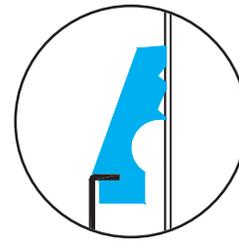
Precautions: Apply an asphaltic or other type protective coating to aluminum flashing to a height of 2" (51 mm) above a limestone ballast to avoid corrosive reaction. Also, if coating deck flange with bituminous paint on site, allow 24 hours for drying before applying roof membrane.

Ordering and Availability: Specify material required by adding appropriate prefix to model number e.g. MEF-AE1-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.

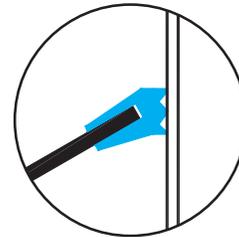
Sizes Chart

This chart illustrates the different EPDM Grommet Seals and Base Seals which will be used for each size conduit, vent pipe, etc.

Trade Size	Actual Size (inches)	Actual Size (millimeters)	Grommet Supplied
1/2"	.84"	(21 mm)	B
3/4"	1.05"	(27 mm)	B
1"	1.315"	(33 mm)	B
1-1/4"	1.66"	(42 mm)	B
1-1/2"	1.9"	(48 mm)	A
2"	2.375"	(60 mm)	A
2-1/2"	2.875"	(73 mm)	B
3"	3.5"	(89 mm)	A
3-1/2"	4"	(102 mm)	A
4"	4.5"	(114 mm)	A
5"	5.563"	(141 mm)	A
6"	6.625"	(168 mm)	A

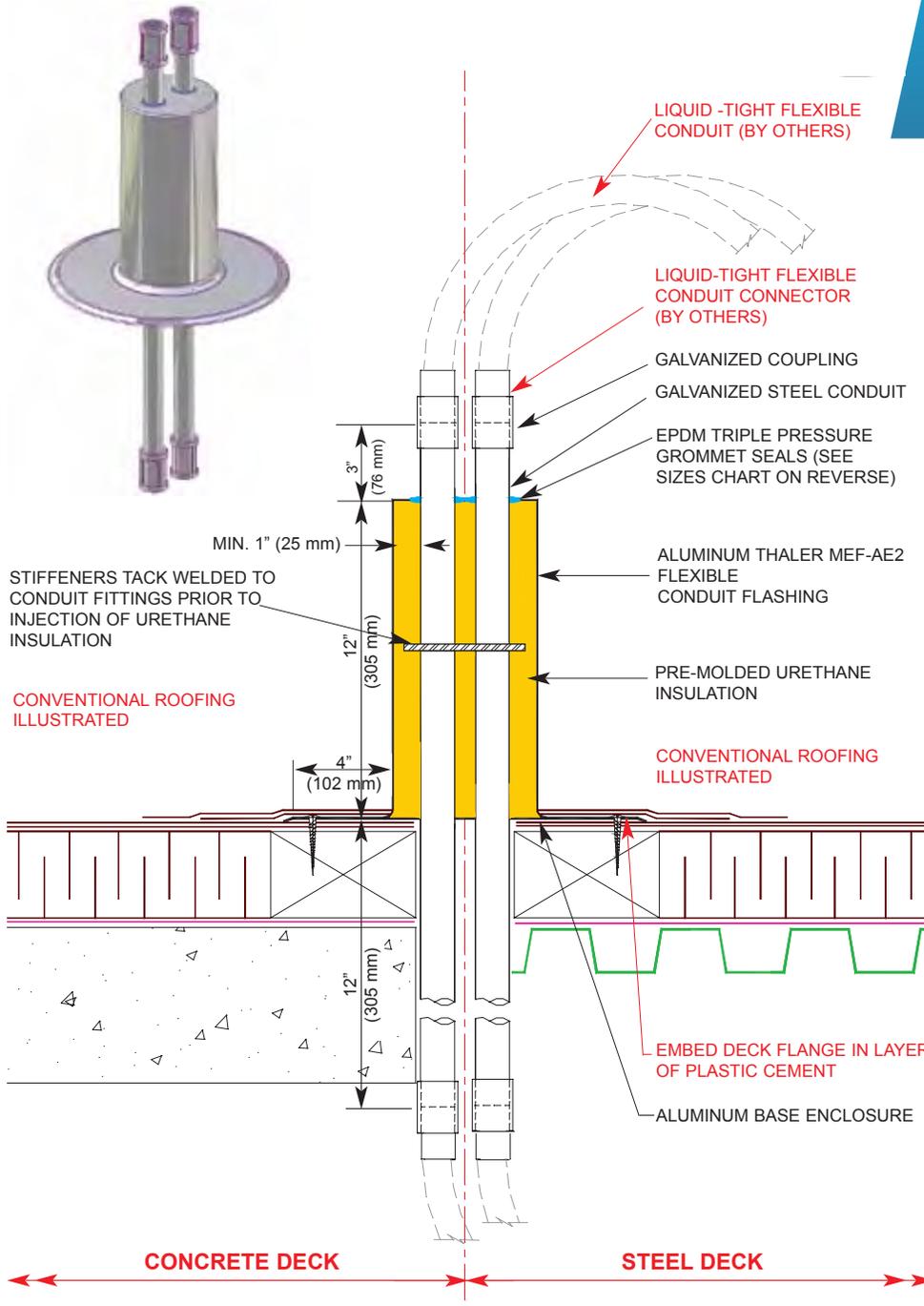


Type A
EPDM Triple
Pressure Grommet
Seal (Injection
Molded)



Type B
EPDM Triple
Pressure Grommet
Seal (Extruded)

ROOF SPECIALTIES MEF-AE2 DOUBLE FLEXIBLE CONDUIT FLASHING



MEF-AE2 DOUBLE FLEXIBLE CONDUIT FLASHING

INSTALLATION:

"Installation Instructions" are provided with every Thaler product. Essentially, Thaler MEF-AE2 Flashing is installed by removing the temporary steel conduit plugs (optional) and feeding the conduit through after the flashing has been placed, and fastening the Liquid Tight flexible conduit connector to the galvanized coupling, and as follows:

BUR: Set 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 flange into fluid. Flash in flange with two overlapping layers of ModBit and seal with asphalt sealer.

Single Ply: Set deck flange in layer of membrane adhesive and extend single ply up sleeve to highest elevation possible and clamp membrane to MEF-AE2 Flashing. Note: for PVC membrane, specify PVC coated flashing by adding suffix P to end of model number, e.g. MEF-AE2-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 bituminous paint on site, allow 24 hours for drying before applying roof membrane.

Ordering and Availability: Specify conduit sizes to be accommodated. Available throughout North America. Contact Thaler for list of distributors and current cost information. Most products are readily available from stock.

DESCRIPTION:

Thaler MEF-AE2 Double Flexible Conduit Flashing consists of a metal flashing sleeve with integral deck flange, pre-molded urethane insulation liner, molded in place galvanized steel conduit fittings with metal stiffeners, EPDM Triple Pressure Grommet Seals, and aluminum base enclosure. Available in .064" (1.6 mm) aluminum only.

Diameter: Suitable for liquid tight flexible conduit ranging from 1/2" (12 mm) to 4" (102 mm) diameter. See Sizes Chart on reverse side of page.

Height: 12" (305 mm) is standard.

PROMINENT FEATURES:

Condensation free. EPDM seals will not allow moisture to penetrate flashing (see Thaler EPDM Flashing Seals literature). Molded in place galvanized steel conduit fittings with couplings for easy connection.

OPTIONS:

See Sizes Chart on reverse side of page with detail drawing. Temporary steel conduit plugs. PVC coated deck flange for PVC roof membrane. Bituminous painted deck flange for BUR and ModBit roof membrane. Split flashing (SPJ-2) is available as an alternative if sleeve does not fit over conduit.

RECOMMENDED USE:

For double Liquid Tight flexible steel conduit penetrating the roof for electrical services.

WARRANTY:

20 year warranty against leaks, condensation and defects in materials and/or manufacture when installed in accordance with Thaler "Installation Instructions". Warranty not valid where metal components are subjected to unusually harsh corrosive environments e.g. pulp mills, mining facilities and similar applications. Stainless steel only is recommended for these installations.

MAINTENANCE:

No maintenance required (maintenance free).

SPECIFICATION (SHORT FORM):

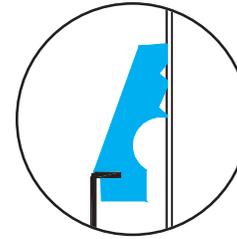
Double flexible conduit flashing: Thaler MEF-AE2 standard 12" (305 mm) high flashing; .064" (1.6 mm) mill finish 1100-OT alloy aluminum; diameter and seals to suit conduit; to CSA B272-93; with EPDM Triple Pressure Grommet Seals; molded in place galvanized steel conduit fittings; aluminum base enclosure; [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.

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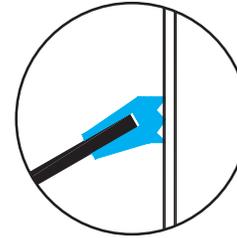
Sizes Chart

This chart illustrates the different EPDM Grommet Seals and Base Seals which will be used for each size conduit, vent pipe, etc.

Trade Size	Actual Size (inches)	Actual Size (millimeters)	Grommet Supplied
1/2"	.84"	(21 mm)	B
3/4"	1.05"	(27 mm)	B
1"	1.315"	(33 mm)	B
1-1/4"	1.66"	(42 mm)	B
1-1/2"	1.9"	(48 mm)	A
2"	2.375"	(60 mm)	A
2-1/2"	2.875"	(73 mm)	B
3"	3.5"	(89 mm)	A
3-1/2"	4"	(102 mm)	A
4"	4.5"	(114 mm)	A
5"	5.563"	(141 mm)	A
6"	6.625"	(168 mm)	A



Type A
EPDM Triple Pressure Grommet Seal (Injection Molded)

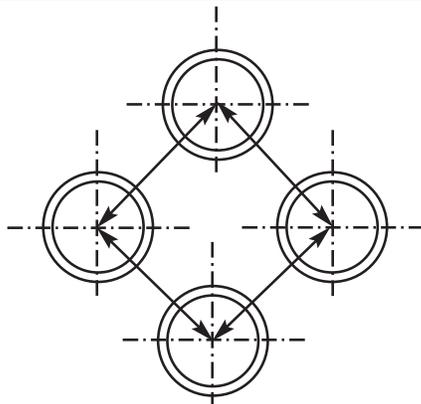


Type B
EPDM Triple Pressure Grommet Seal (Extruded)

Conduit Spacing Chart

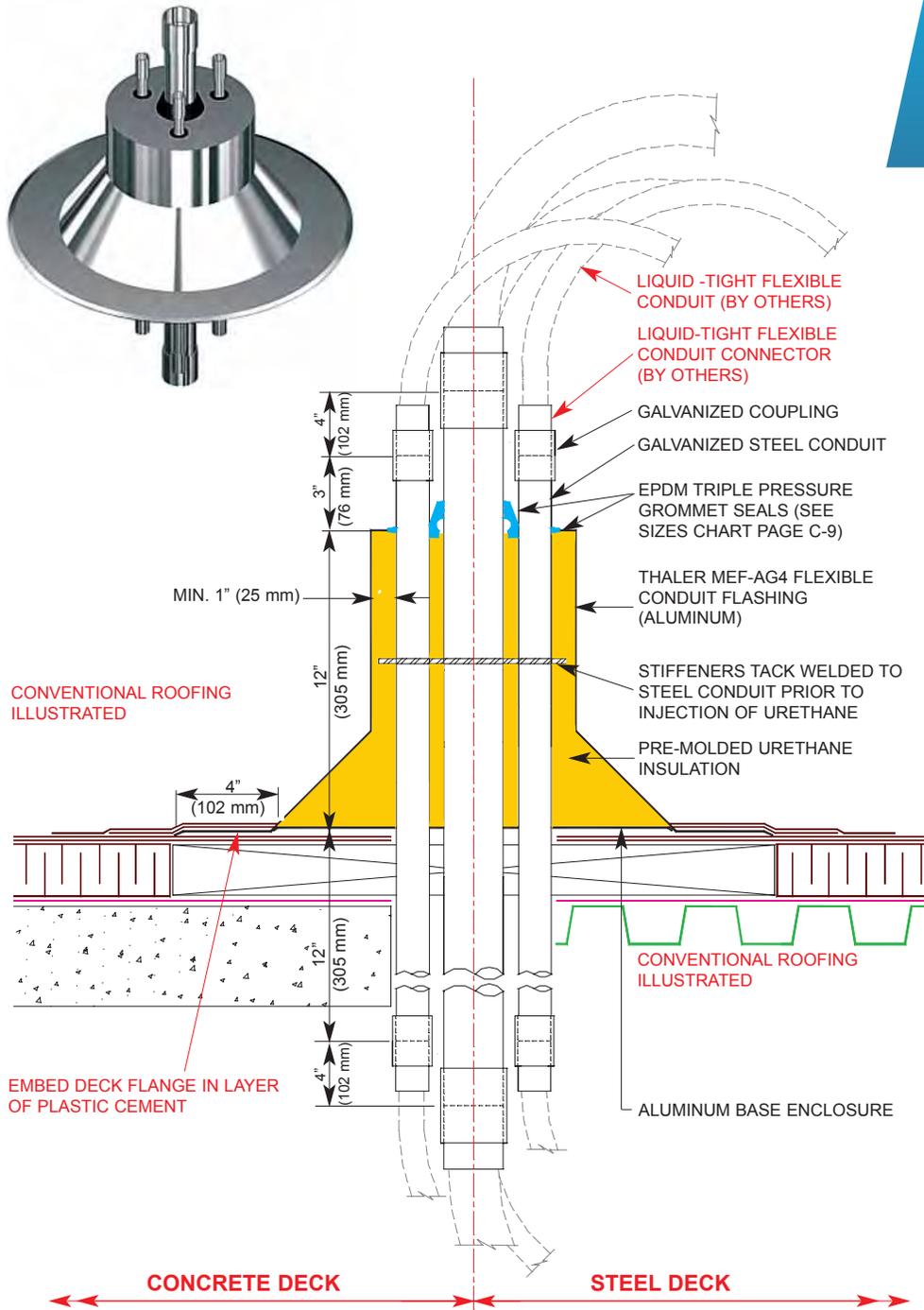
This chart illustrates the minimum spacing o/c for conduit entering a flashing sleeve.

Conduit Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"
1/2"	1-1/2	1-5/8	1-13/16	2-1/16	2-3/16	2-1/2	2-3/4	3	3-5/16	3-5/8
3/4"	1-5/8	1-3/4	1-15/16	2-3/16	2-5/16	2-5/8	2-7/8	3-1/8	3-7/16	3-3/4
1"	1-13/16	1-15/16	2-1/8	2-3/8	2-1/2	2-13/16	3-1/16	3-5/16	3-5/8	3-15/16
1-1/4"	2-1/16	2-3/16	2-3/8	2-5/8	2-3/4	3-1/16	3-5/16	3-9/16	3-7/8	4-3/16
1-1/2"	2-5/16	2-5/16	2-1/2	2-3/4	2-7/8	3-3/16	3-7/16	3-11/16	4	4-5/16
2"	2-1/2	2-5/8	2-13/16	3-1/16	3-3/16	3-1/2	3-3/4	4	4-5/16	4-5/8
2-1/2"	2-3/4	2-7/8	3-1/16	3-5/16	3-7/16	3-3/4	4	4-1/4	4-9/16	4-7/8
3"	3	3-1/8	3-5/16	3-9/16	3-11/16	4	4-1/4	4-1/2	4-13/16	5-1/8
3-1/2"	3-5/16	3-7/16	3-5/8	3-7/8	4	4-3/16	4-9/16	4-13/16	5-1/8	5-7/16
4"	3-5/8	3-3/4	3-15/16	4-3/16	4-5/16	4-5/8	4-7/8	5-1/8	5-7/16	5-3/4



Minimum spacing guidelines shown in the above Conduit Spacing Chart must be followed when using 2, or more conduit.

ROOF SPECIALTIES MEF-AE4 MULTIPLE FLEXIBLE CONDUIT FLASHINGS



DESCRIPTION:

Thaler MEF-AE4 Multiple Flexible Conduit Flashing consists of a metal flashing sleeve with integral deck flange, pre-molded urethane insulation liner, molded in place galvanized steel conduit fittings with metal stiffeners, EPDM Triple Pressure Grommet Seals, and aluminum base enclosure. Available in aluminum only.

Diameter: Suitable for Liquid Tight flexible conduit ranging from 1/2" (12 mm) to 4" (102 mm) diameter. See Sizes Chart on reverse side of page.

Height: 12" (305 mm) is standard.

PROMINENT FEATURES:

Condensation free. EPDM seals will not allow moisture to penetrate flashing (see Thaler EPDM Flashing Seals literature). Molded in place galvanized steel conduit fittings with couplings for easy connection.

OPTIONS:

See Sizes Chart on reverse side of page. Temporary steel conduit plugs. PVC coated deck flange for PVC roof membrane. Bituminous painted deck flange for BUR and ModBit roof membrane. Split flashing (SPJ-2) is available as an alternative if sleeve cannot fit over vent stack.

RECOMMENDED USE:

For multiple Liquid Tight flexible steel conduit penetrating the roof for electrical services..

WARRANTY:

20 year warranty against leaks, condensation and defects in materials and/or manufacture when installed in accordance with Thaler "Installation Instructions". Warranty not valid where metal components are subjected to unusually harsh corrosive environments e.g. pulp mills, mining facilities and similar applications. Stainless steel only is recommended for these installations.

MAINTENANCE:

No maintenance required (maintenance free).

SPECIFICATION (SHORT FORM):

Multiple flexible conduit flashings: Thaler MEF-AE4 standard 12" (305 mm) high flashing; .064" (1.6 mm) mill finish 1100-OT alloy aluminum; diameter and seals to suit conduit; to CSA B272-93; with EPDM Triple Pressure Grommet Seals; molded in place galvanized steel conduit fittings; aluminum base enclosure; [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.

Continued on reverse...

MEF-AE4 MULTIPLE FLEXIBLE CONDUIT FLASHING

INSTALLATION:

"Installation Instructions" are provided with every Thaler product. Essentially, Thaler MEF-AE4 Flashing is installed by removing the temporary steel conduit plugs (optional) feeding the conduit through after the flashing has been placed, and then fastening the Liquid Tight flexible conduit connector to the galvanized coupling, and as follows:

BUR: Set 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 flange into fluid. Flash in flange with two overlapping layers of ModBit and seal with asphalt sealer.

Single Ply: Set deck flange in layer of membrane adhesive and extend single ply up sleeve to highest elevation possible and clamp membrane to MEF-AE4 Flashing. Note: for PVC membrane, specify PVC coated flashing by adding suffix P to end of model number, e.g. MEF-AE4-P; weld roofing to deck flange using PVC torch.

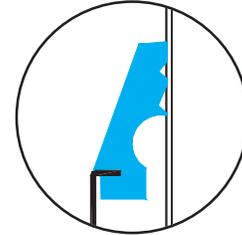
Precautions: Apply an asphaltic or other type protective coating to aluminum flashing to a height of 2" (51 mm) above a limestone ballast to avoid corrosive reaction. Also, if coating deck flange with bituminous paint on site, allow 24 hours for drying before applying roof membrane.

Ordering and Availability: Specify conduit sizes to be accommodated.. Available throughout North America. Contact Thaler for list of distributors and current cost information. Most products are readily available from stock.

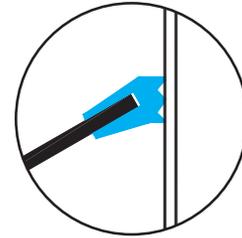
Sizes Chart

This chart illustrates the different EPDM Grommet Seals and Base Seals which will be used for each size conduit, vent pipe, etc.

Trade Size	Actual Size (inches)	Actual Size (millimeters)	Grommet Supplied
1/2"	.84"	(21 mm)	B
3/4"	1.05"	(27 mm)	B
1"	1.315"	(33 mm)	B
1-1/4"	1.66"	(42 mm)	B
1-1/2"	1.9"	(48 mm)	A
2"	2.375"	(60 mm)	A
2-1/2"	2.875"	(73 mm)	B
3"	3.5"	(89 mm)	A
3-1/2"	4"	(102 mm)	A
4"	4.5"	(114 mm)	A
5"	5.563"	(141 mm)	A
6"	6.625"	(168 mm)	A



Type A
EPDM Triple Pressure Grommet Seal (Injection Molded)

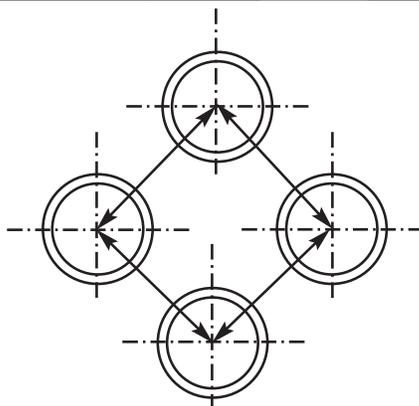


Type B
EPDM Triple Pressure Grommet Seal (Extruded)

Conduit Spacing Chart

This chart illustrates the minimum spacing o/c for conduit entering a flashing sleeve.

Conduit Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"
1/2"	1-1/2	1-5/8	1-13/16	2-1/16	2-3/16	2-1/2	2-3/4	3	3-5/16	3-5/8
3/4"	1-5/8	1-3/4	1-15/16	2-3/16	2-5/16	2-5/8	2-7/8	3-1/8	3-7/16	3-3/4
1"	1-13/16	1-15/16	2-1/8	2-3/8	2-1/2	2-13/16	3-1/16	3-5/16	3-5/8	3-15/16
1-1/4"	2-1/16	2-3/16	2-3/8	2-5/8	2-3/4	3-1/16	3-5/16	3-9/16	3-7/8	4-3/16
1-1/2"	2-5/16	2-5/16	2-1/2	2-3/4	2-7/8	3-3/16	3-7/16	3-11/16	4	4-5/16
2"	2-1/2	2-5/8	2-13/16	3-1/16	3-3/16	3-1/2	3-3/4	4	4-5/16	4-5/8
2-1/2"	2-3/4	2-7/8	3-1/16	3-5/16	3-7/16	3-3/4	4	4-1/4	4-9/16	4-7/8
3"	3	3-1/8	3-5/16	3-9/16	3-11/16	4	4-1/4	4-1/2	4-13/16	5-1/8
3-1/2"	3-5/16	3-7/16	3-5/8	3-7/8	4	4-3/16	4-9/16	4-13/16	5-1/8	5-7/16
4"	3-5/8	3-3/4	3-15/16	4-3/16	4-5/16	4-5/8	4-7/8	5-1/8	5-7/16	5-3/4



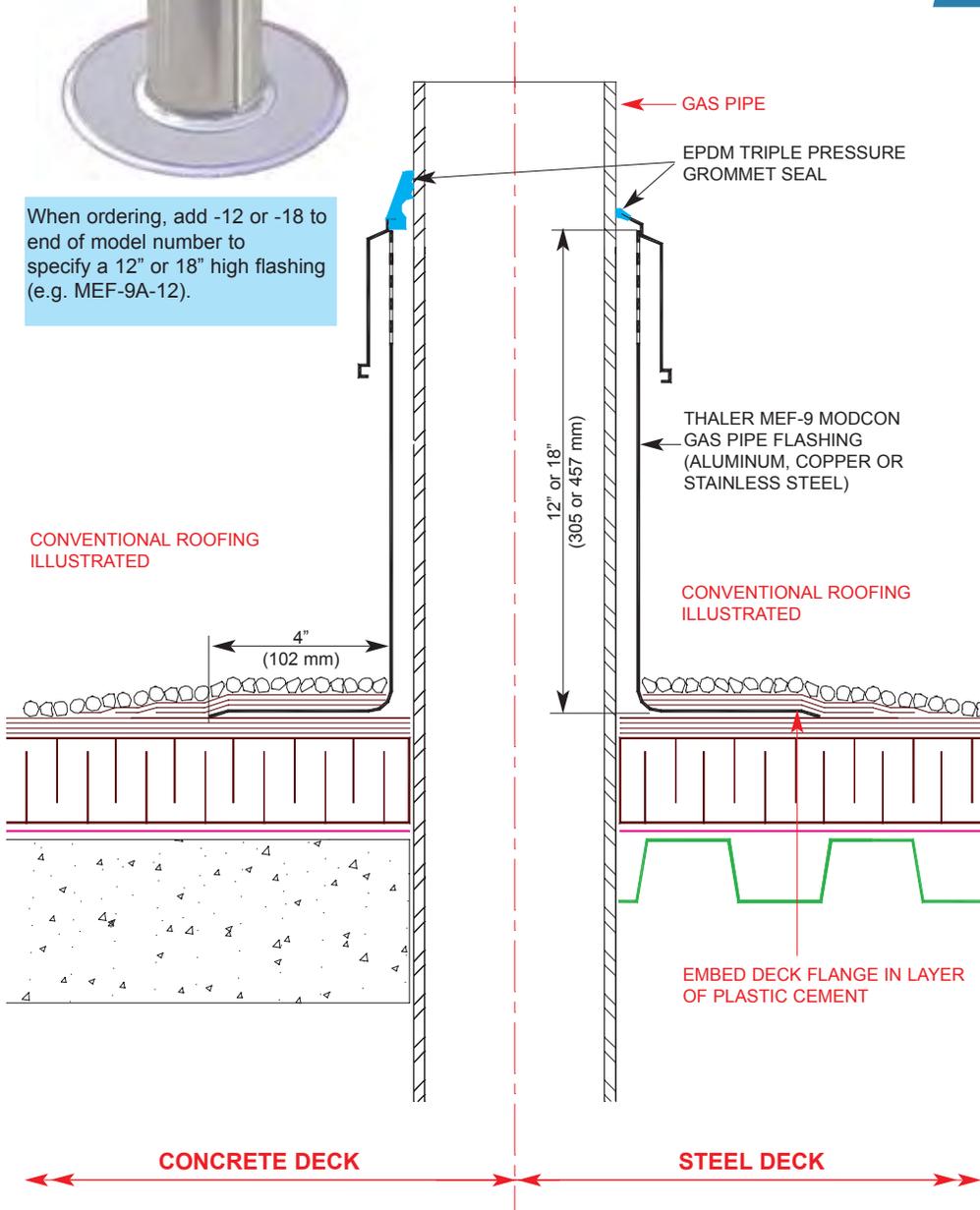
Minimum spacing guidelines shown in the above Conduit Spacing Chart must be followed when using 2, or more conduit.

ROOF SPECIALTIES MEF-9 MODCON GAS PIPE FLASHING



SUITABLE FOR UP TO
8" (203 mm) DIAMETER
GAS PIPE

When ordering, add -12 or -18 to end of model number to specify a 12" or 18" high flashing (e.g. MEF-9A-12).



DESCRIPTION:

Thaler MEF-9 Modcon Gas Pipe Flashings consist of a metal flashing sleeve with perforated collar and integral deck flange, and removable collar with EPDM Triple Pressure Grommet Seal. Available in aluminum, copper, and stainless steel.

Diameter: Suitable for up to 8" (203 mm) gas pipe.
Height: 12" (305 mm) is standard. 18" (457 mm) is available.

PROMINENT FEATURES:

Perforated collar allows escaped gas to vent to the exterior of the building.

OPTIONS:

See Size Chart on reverse side of page. PVC coated deck flange for PVC roof membrane. Bituminous painted deck flange for BUR and ModBit roof membrane. Split flashing (SPJ-2) is available as an alternative if sleeve cannot fit over vent stack.

RECOMMENDED USE:

Suitable for gas pipe and similar applications.

WARRANTY:

20 year warranty against leaks, condensation and defects in materials and/or manufacture when installed in accordance with Thaler "Installation Instructions". Warranty not valid where metal components are subjected to unusually harsh corrosive environments e.g. pulp mills, mining facilities and similar applications. Stainless steel only is recommended for these installations.

MAINTENANCE:

No maintenance required (maintenance free).

SPECIFICATION (SHORT FORM):

Gas pipe flashings: Thaler MEF-9 Modcon Gas Pipe Flashing [12" (305 mm)] [18" (457 mm)] high flashing with perforated neck; removable cap with EPDM Triple Pressure Grommet Seal; [.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]; [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.

Continued on reverse...

MEF-9 MODCON GAS PIPE FLASHING

INSTALLATION:

"Installation Instructions" are provided with every Thaler product. Essentially, Thaler MEF-9 Modcon Gas Pipe Flashings are installed by placing the flashing over the gas pipe, installing the removable collar, and as follows:

BUR: Set 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 flange into fluid. Flash in flange with two overlapping layers of ModBit and seal with asphalt sealer.

Single Ply: Set deck flange in layer of membrane adhesive and extend single ply up sleeve to highest elevation possible and clamp membrane to Flashing. Note: for PVC membrane, specify PVC coated flashing by adding suffix P to end of model number, e.g. MEF-9-A-P; weld roofing to deck flange using PVC torch.

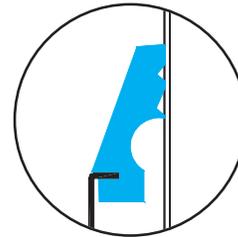
Precautions: Apply an asphaltic or other type protective coating to aluminum flashing to a height of 2" (51 mm) above a limestone ballast to avoid corrosive reaction. Also, if coating deck flange with bituminous paint on site, allow 24 hours for drying before applying roof membrane.

Ordering and Availability: Specify material required by adding appropriate suffix to model number e.g. MEF-9-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.

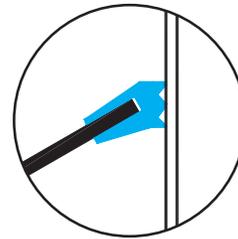
Sizes Chart

This chart illustrates the different EPDM Grommet Seals and Base Seals which will be used for each size conduit, vent pipe, etc.

Trade Size	Actual Size (inches)	Actual Size (millimeters)	Grommet Supplied
1/2"	.84"	(21 mm)	B
3/4"	1.05"	(27 mm)	B
1"	1.315"	(33 mm)	B
1-1/4"	1.66"	(42 mm)	B
1-1/2"	1.9"	(48 mm)	A
2"	2.375"	(60 mm)	A
2-1/2"	2.875"	(73 mm)	B
3"	3.5"	(89 mm)	A
3-1/2"	4"	(102 mm)	A
4"	4.5"	(114 mm)	A
5"	5.563"	(141 mm)	A
6"	6.625"	(168 mm)	A



Type A
EPDM Triple
Pressure Grommet
Seal (Injection
Molded)



Type B
EPDM Triple
Pressure Grommet
Seal (Extruded)

Note: This flashing specification, with minor editing, has been written as a separate section of work. Alternatively, the appropriate clauses may be incorporated as part of a roofing specification.

PART 1: GENERAL

1.01 SECTION INCLUDES

- A. Supply and installation of roof accessories, including:
 - 1. Preformed metal flashings.

1.02 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry
- B. Section 07200 - Thermal Protection
- C. Section 07500 - Membrane Roofing
- D. Section 07900 - Joint Sealers
- E. Section 15800 - Air Distribution

1.03 REFERENCES

[B. CRCA (Canadian Roofing Contractor's Association)]

[C. NRCA (National Roofing Contractor's Association)]

[D. SPRI (Single Ply Roofing Institute)]

[E. CUFCA (Canadian Urethane Foam Contractor's Association) and CGSB-51-GP 46MP Manual for "Installers of Spray Polyurethane Foam Thermal Insulation" and ASTM C1029-90 "Spray Applied Rigid Cellular Polyurethane Thermal Insulation"]

1.04 SUBMITTALS

- A. Manufacturer's descriptive literature for each product, including section or other type details.
- B. Manufacturer's written installation instructions.
- C. Shop drawings and samples, when required, in accordance with Section [01300].

1.05 QUALITY ASSURANCE

- A. Roof accessories manufacturer to have minimum 5 years documented experience in the design and fabrication of roofing specialties and accessories.

1.06 SPECIAL WARRANTY

A. Warrant products installed under this section of work to be free of leaks, condensation and defects in materials and/or manufacture for a period of 20 years when installed in accordance with the manufacturer's written instructions.

PART 2: PRODUCTS

2.01 MANUFACTURER

- A. Provide products as manufactured by Thaler Metal Industries, 1-800-387-7217 (Mississauga, Ontario, Canada) or 1-800-576-1200 (New Braunfels, TX) or provide equal products by another manufacturer approved in advance by the [Architect], based upon:
1. 20 year warranty against leaks, condensation and defects in materials and/or manufacture, as applicable;
 2. compliance with CSA B272-93 (Prefabricated Self-Sealing Roof Vent Flashings)
 3. air barrier design using EPDM seals only;
 4. maintenance free design;
 5. materials and sizes options, and thickness;
 6. injection molded urethane insulation to CGSB-51-GP 46MP and ASTM C1029-90, as applicable;
 7. treated deck flange, as applicable;
 8. written installation instructions.

2.02 MANUFACTURED UNITS

Note: Delete clauses not applicable.

MEF-1 Rigid Conduit Flashing

Rigid conduit flashing: Thaler MEF-1 standard 12" (305 mm) high flashing; [.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]; to CSA B272-93; with EPDM Triple Pressure Grommet Seal for conduit 1/2" (12 mm) and larger, and caulking (by others) for conduit 3/8" (10 mm) dia. and smaller; EPDM Base Seal; [PVC coated deck flange] [bituminous painted deck flange].

MEF-2A / MEF-2A1 / MEF-2A2 Liquid Tight Flexible Conduit

Flexible conduit flashing: Thaler [MEF-2A] [MEF-2A1] [standard 12" (305 mm)] [MEF-2A2 standard 20" (508mm)] high flashing; 6061-T4 aluminum with mill finish; to CSA B272-93; with EPDM Seals; EPDM Cap Seals with hole to suit [_____] dia. Liquid Tight flexible conduit [and air handling unit auxiliary wire hole to suit [_____] dia. wire]; [PVC coated deck flange] [bituminous painted deck flange].

MEF-3A Hot Pipe Flashing

"B" Vent flashing: Thaler MEF-4A "B" Vent flashing 12" (305 mm) high with integral deck flange and matching two piece collar; .064" (1.6 mm) mill finish 1100-OT alloy aluminum; diameter to suit "B" Vent diameter; [PVC coated deck flange] [bituminous painted deck flange].

MEF-AE1 Rigid Conduit Flashing

Rigid conduit flashing: Thaler MEF-AE1 [12" (305 mm)] [18" (457 mm)] high flashing sleeve with integral deck flange; [.064" (1.6 mm) mill finish 1100-OT alloy aluminum] [.032" (0.831 mm) 24 oz copper] [.31" (0.79 mm) 22 ga. Type 304 stainless steel]; with pre-molded urethane insulation liner, EPDM Triple Pressure Grommet Seal, and EPDM Base Seal; diameter to suit rigid conduit; [PVC coated deck flange] [bituminous painted deck flange].

MEF-AE2 Double Flexible Conduit Flashing

Double flexible conduit flashings: Thaler MEF-AE2 standard 12" (305 mm) high flashing; .064" (1.6 mm) mill finish 1100-OT alloy aluminum; diameter and seals to suit conduit; to CSA B272-93; with EPDM Triple Pressure Grommet Seals; molded in place galvanized steel conduit fittings; aluminum base enclosure; [PVC coated deck flange] [bituminous painted deck flange].

MEF-AE4 Multiple Flexible Conduit Flashing

Multiple flexible conduit flashings: Thaler MEF-AE4 standard 12" (305 mm) high flashing; .064" (1.6 mm) mill finish 1100-0T alloy aluminum; diameter and seals to suit conduit; to CSA B272-93; with EPDM Triple Pressure Grommet Seals; molded in place galvanized steel conduit fittings; aluminum base enclosure; [PVC coated deck flange] [bituminous painted deck flange].

MEF-9 ModCon Gas Pipe Flashing

Gas Pipe Flashings: Thaler Modcon Gas Pipe Flashing standard 12" (305 mm) high flashing with perforated collar; removable cap with EPDM Triple Pressure Grommet Seal; [.064" (1.6 mm) mill finish 1100-0T alloy aluminum] [.032" (0.831 mm) 24 oz copper] [.031" (0.79 mm) 22 ga. Type 304 stainless steel]; [PVC coated deck flange] [bituminous painted deck flange].

PART 3: EXECUTION

3.01 EXAMINATION

A. Report to the Contractor in writing, defects of work prepared by other trades and other unsatisfactory site conditions. Verify site dimensions. Commencement of work will imply acceptance of prepared work.

3.02 INSTALLATION

Note: Delete clauses not applicable.

A. Install flashing in accordance with manufacturer's printed instructions.

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

Modified Bitumen

C. Torch membrane until bitumen is fluid and set 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

D. Set 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 flashing by adding suffix P to end of Thaler model number, e.g. SJ-24-A-P; weld roofing to deck flange using PVC torch.

PVC Single Ply

E. Set deck flange in layer of membrane adhesive and extend single ply up sleeve to highest elevation possible and clamp membrane to flashing. Weld roofing to deck flange using PVC torch.

Shingle Roof

A. Set deck flange in layer of plastic cement, ensuring that flange is placed over shingles on down slope side of flashing and under shingles on up slope side.

3.03 FIELD QUALITY CONTROL

A. Comply with the requirements of Section [01400 - Quality Control].

3.04 ADJUSTING

A. Verify that all manufactured units have been installed in accordance with specifications and details, and will function as intended. Adjust any items where necessary to ensure proper operation.

3.05 CLEANING

A. Clean manufactured units using materials and methods approved by manufacturer. Do not use cleaners or techniques which could impair performance of the roofing system.

End Of Section