

Pemko Modular Ramps

CONTENTS:

Modular Ramp Threshold Assemblies - Flush Applications	144
Modular Ramp Threshold Assemblies - Offset Applications (7" Top Plate)	145
Modular Ramp Threshold Assemblies - Offset Applications (3 1/2" Top Plate)	146
Modular Ramp Threshold Components	147
Modular Ramp Threshold Assemblies - Variables	148
Riser For Modular Ramps.....	148
Miter Returns For All Modular Ramp Thresholds.....	149
Barrier-Free Ramp Thresholds	150
Fire Retardant and Styrene Butadiene Rubber Ramp Thresholds	151
Rubber Ramp Miter Returns.....	152
Recycled Rubber Ramp Assembly.....	152

INDEX:

PRODUCT	PAGE	PRODUCT	PAGE	PRODUCT	PAGE
257	150	R1.25OSS.....	146	RAMP 4.....	147
257x259.....	150	R1.25OSSMR	146	RAMP 5.....	147
259.....	150	R1.5F.....	144	RAMP 6.....	147
R.5F	144	R1.5FMR.....	144	RAMP 7	148
R.5FMR.....	144	R1.5OS.....	145	RAMP 8.....	147-148
R.5OS	145	R1.5OSMR	145	RAMP 9.....	147
R.5OSMR.....	145	R1.5OSS	146	RAMP10	147
R.5OSS	146	R1.5OSSMR.....	146	RAMP 11	147
R.5OSSMR.....	146	R1.75F	144	RAMP 12	147
R.75F	144	R1.75FMR.....	144	RAMP 13	148
R.75FMR.....	144	R1.75OS	145	RAMP 14	148
R.75OS	145	R1.75OSMR.....	145	RR1.25FMR.....	152
R.75OSMR.....	145	R1.75OSS.....	146	RR1	151
R.75OSS	146	R1.75OSSMR	146	RR2	151
R.75OSSMR.....	146	R2F	144	RR12_H	152
R1F	144	R2FMR.....	144	RVARIOSS	148
R1FMR.....	144	R2OS	145	RVAR1/A.....	148
R1OS	145	R2OSMR.....	145	RVAR1/AK	148
R1OSMR.....	145	R2OSS	146	SBR.5F	151
R1OSS.....	146	R2OSSMR.....	146	SBR.5FMR	151
R1OSSMR.....	146	R2.25F	144	SBR1F	151
R1.25F.....	144	R2.25FMR.....	144	SBR1FMR	151
R1.25FMR	144	RAMP 1	147	WING 10_H.....	149
R1.25OS	145	RAMP 2	148	WING 16_H.....	149
R1.25OSMR.....	145	RAMP 3	147	WING EXT_H.....	149

Modular Ramp Threshold Assemblies

- Assemblies accommodate 1/2" to 2 1/4" floor offsets in meeting the 1:12 slope requirements of the "Americans with Disabilities Act". Even higher offsets can be accommodated by using the risers, **RAMP13_** and **RAMP14_**
- "MR" in a product number denotes that one-pair of miter returns (and extenders, if applicable) is included. Otherwise, we recommend filling and feathering the threshold ends with grout. Do not leave threshold ends open
- Miter Returns are available for offsets up to 2 1/4"

Flush Applications

1/2" Floor Offset

R.5F_
R.5FMR_ **



AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH: 6 1/8"
OF COMPONENTS: 1

3/4" Floor Offset

R.75F_
R.75FMR_ **



AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH: 9 1/4"
OF COMPONENTS: 2

1" Floor Offset

R1F_
R1FMR_ **



AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH: 12 3/8"
OF COMPONENTS: 2

1 1/4" Floor Offset

R1.25F_
R1.25FMR_ **



AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH: 15 1/2"
OF COMPONENTS: 3

1 1/2" Floor Offset

R1.5F_
R1.5FMR_ **



AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH: 18 5/8"
OF COMPONENTS: 3

1 3/4" Floor Offset

R1.75F_
R1.75FMR_ **



AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH: 21 3/4"
OF COMPONENTS: 4

2" Floor Offset

R2F_
R2FMR_ **



AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH: 24 7/8"
OF COMPONENTS: 4

2 1/4" Floor Offset


R2.25F_
R2.25FMR_ **

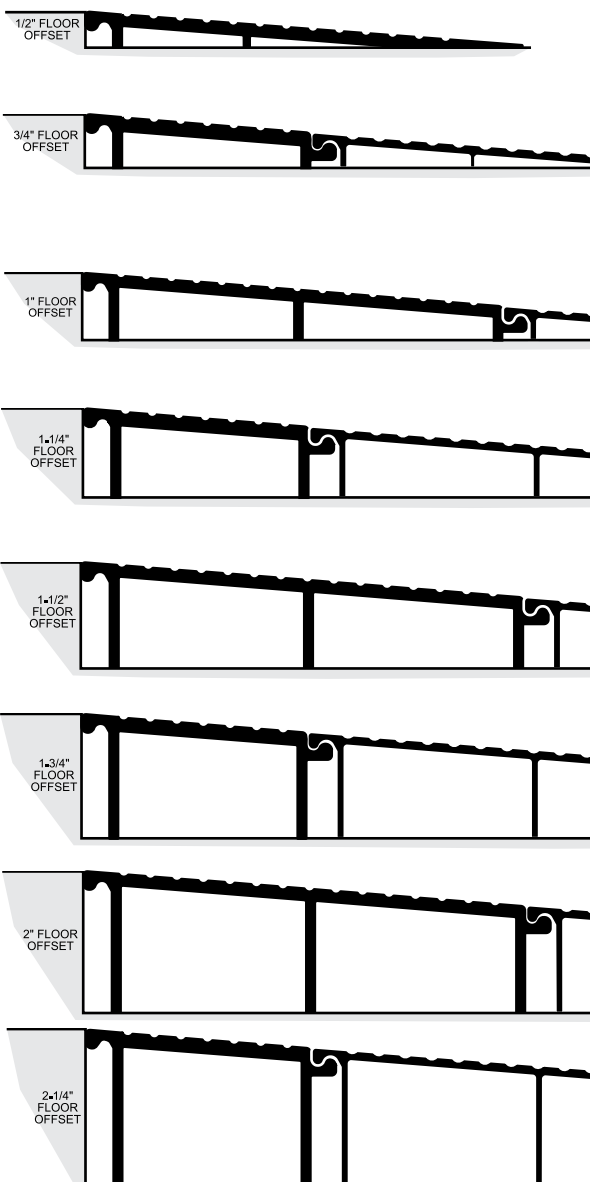


AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH: 28"
OF COMPONENTS: 5

- Assemblies are supplied with #10 stainless steel wood screws. Stainless steel machine screws and expansion shields are available at an extra cost
- Assemblies allow for custom fabrication; please consult Pemko Customer Service
- Assemblies are provided NET length
- Miter returns will add 2 pieces to total components; miter returns with extenders will add 4 pieces to total components

PemKote™ is highly recommended for all threshold assemblies, especially exterior conditions where moisture may be present.

 Only with PemKote™ Non-Slip Coating



Complete assembly drawings available online

NOTE: Greater offset may be accomplished by using Pemko risers.

**Miter Returns are not ADA Compliant

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)
A (Mill Finish Aluminum) **AK** (Mill Finish Aluminum with PemKote™ Non-Slip Coating)

Offset Applications (7" Top Plate)

1/2" Floor Offset

R.5OS_

R.5OSMR_ **



AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 16 1/4"
OF COMPONENTS: 3



3/4" Floor Offset

R.75OS_

R.75OSMR_ **



AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 19 3/8"
OF COMPONENTS: 3



1" Floor Offset

R1OS_

R1OSMR_ **



AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 22 1/2"
OF COMPONENTS: 4



1 1/4" Floor Offset

R1.25OS_

R1.25OSMR_ **



AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 25 5/8"
OF COMPONENTS: 4



1 1/2" Floor Offset

R1.5OS_

R1.5OSMR_ **



AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 28 3/4"
OF COMPONENTS: 5



1 3/4" Floor Offset

R1.75OS_

R1.75OSMR_ **



AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 31 1/8"
OF COMPONENTS: 5



2" Floor Offset

R2OS_

R2OSMR_ **



AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 35"
OF COMPONENTS: 6



Complete assembly drawings available online.

NOTE: Greater offset may be accomplished by using Pemko risers.

*Assembly length includes 7" top plate

**Miter Returns are not ADA Compliant



Assembly Shown: **R.5OS**

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) **AK** (Mill Finish Aluminum with PemKote™ Non-Slip Coating)

Short Offset Applications (3½" Top Plate)

½" Floor Offset

R.5OSS_

R.5OSSMR_ **



AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 12¾"
OF COMPONENTS: 3



¾" Floor Offset

R.75OSS_

R.75OSSMR_ **



AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 15⅞"
OF COMPONENTS: 3



1" Floor Offset

R1OSS_

R1OSSMR_ **



AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 19"
OF COMPONENTS: 4



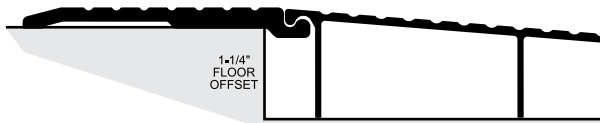
1¼" Floor Offset

R1.25OSS_

R1.25OSSMR_ **



AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 22⅞"
OF COMPONENTS: 4



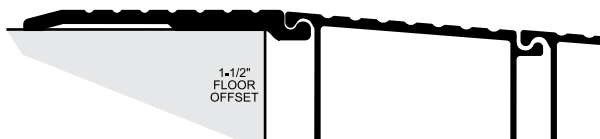
1½" Floor Offset

R1.5OSS_

R1.5OSSMR_ **



AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 25¼"
OF COMPONENTS: 5



1¾" Floor Offset

R1.75OSS_

R1.75OSSMR_ **



AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 28⅞"
OF COMPONENTS: 5



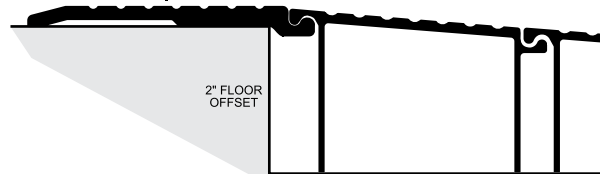
2" Floor Offset

R2OSS_

R2OSSMR_ **



AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 31½"
OF COMPONENTS: 6

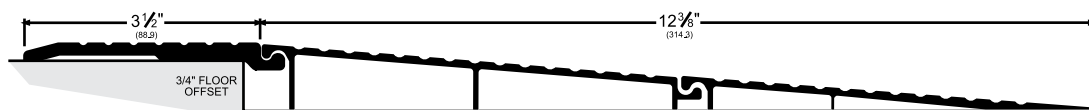


Complete assembly drawings available online.

NOTE: Greater offset may be accomplished by using Pemko risers.

*Assembly length includes 3½" top plate




**Miter Returns are not ADA Compliant



Assembly Shown: **R.75OSS**

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)
A (Mill Finish Aluminum) **AK** (Mill Finish Aluminum with PemKote™ Non-Slip Coating)

Modular Ramp Threshold Components

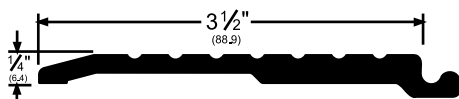
- Components are generally sold as part of assemblies
- Ramp Assemblies consist of interlocking components, eliminating the need to weld joints. Interlocking ball-joint design allows each component to flex and conform to uneven surfaces
- All assemblies carry the following labels:   

- PemKote™ is highly recommended for all threshold assemblies, especially exterior conditions where moisture may be present
- NOTE: The following pages are for component identification only. Do not order from these pages. Order only complete assemblies from pages 142 to 144

Top Plates

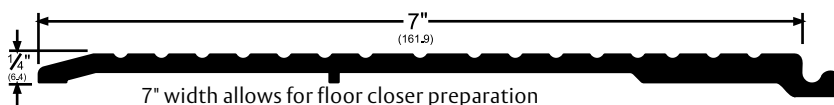
RAMP8_

Short top plate
AVAILABLE FINISHES: A, AK

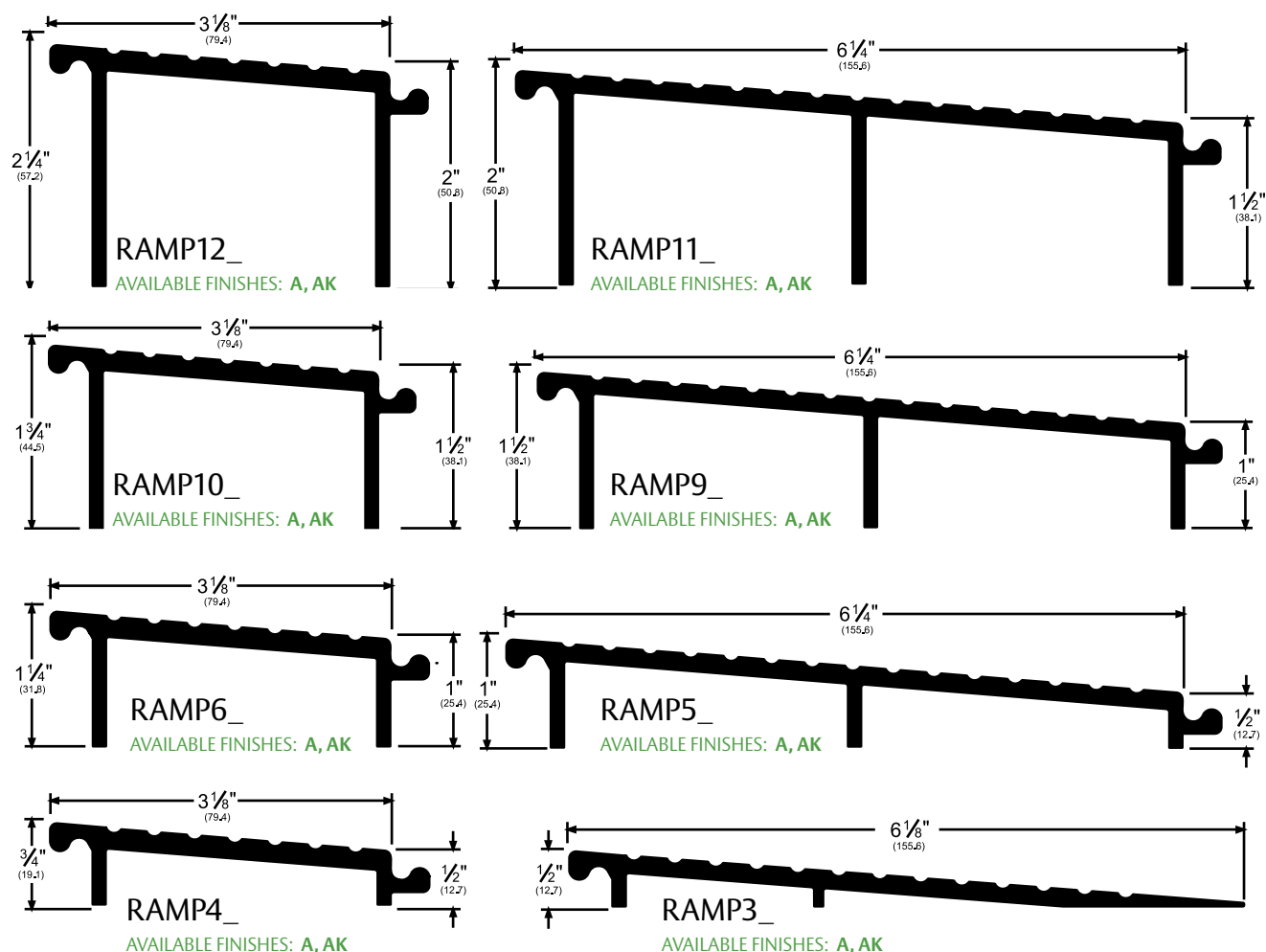


RAMP1_

Top plate
AVAILABLE FINISHES: A, AK



Bridges



NOTE: Products shown in this section are not drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)
A (Mill Finish Aluminum) AK (Mill Finish Aluminum with PemKote™ Non-Slip Coating)

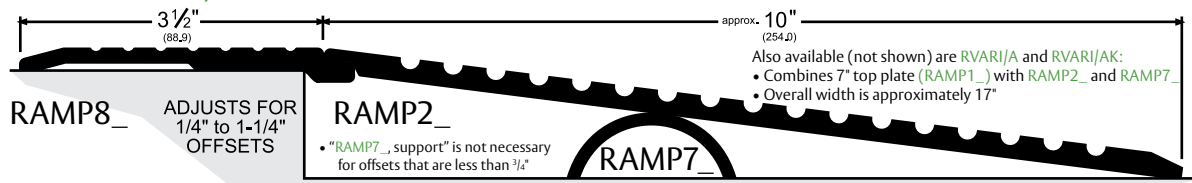
Modular Ramp Threshold Assemblies - Variables

- Use a "Variable" component to accommodate offsets from $\frac{1}{2}$ " to $1\frac{1}{4}$ ". These meet the 1:8 maximum slope allowance (ADA) for existing buildings. For new construction, this assembly is only ADA compliant in certain applications as outlined by the current ADA standard
- May require a variance from some state building codes, even though ADA compliant
- Ideal for use in cross traffic corridors where a minimal ramp projection may be required and a steeper slope may be allowed. Supplied with #10 stainless steel sheet metal screws. Stainless steel machine screws and expansion shields are available at an extra cost
- Miter returns are not available due to the variable angle of this ramp. Please fill and feather the threshold ends. Do not leave threshold ends open
- This variable ramp is supplied un-drilled from Pemko. Due to the variance in the angle, it must be drilled in the field. For proper installation, it requires the **RAMP7_** to be placed under **RAMP2_** after the assembly is in place, then must be match drilled and anchored through both components
- PemKote™ is highly recommended for all ramp threshold assemblies especially exterior conditions where moisture may be present
- In addition to ADA compliance, outlined previously, all assemblies carry the following labels:



RVARIOSS_

AVAILABLE FINISHES: **A, AK**

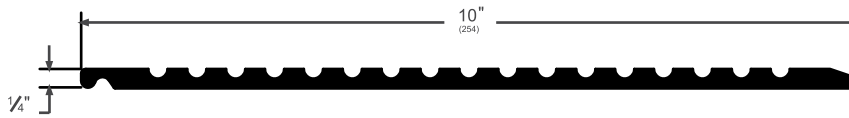


Variable Ramp Components

RAMP2_

variable

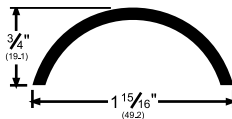
AVAILABLE FINISHES: **A, AK**



RAMP7_

support for variable

AVAILABLE FINISHES: **A**

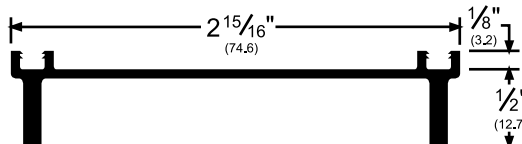


Risers for Modular Ramps

- Risers easily attach to the legs of Pemko's Modular Ramp Systems. Each adds $\frac{1}{2}$ " in height to accommodate offsets greater than $2\frac{1}{4}$ "
- Contact Pemko Customer Service for information on stacking risers to reach desired height

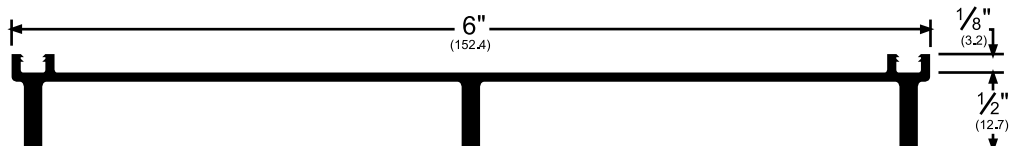
RAMP13_

AVAILABLE FINISHES: **A**



RAMP14_

AVAILABLE FINISHES: **A**



NOTE: Products shown in this section are not drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)
A (Mill Finish Aluminum) **AK** (Mill Finish Aluminum with PemKote™ Non-Slip Coating)

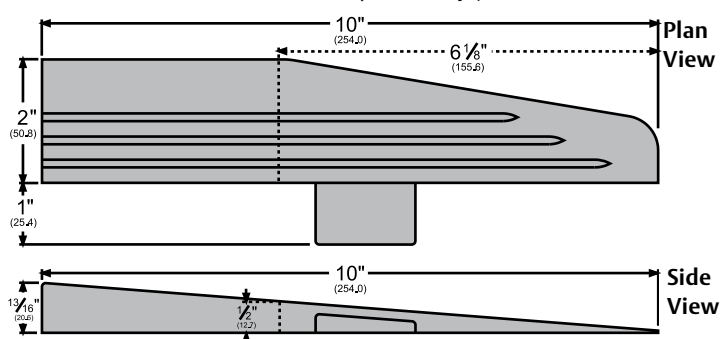
Miter Returns For All Modular Ramp Thresholds

- Cast aluminum "wings" fit into end of modular ramp threshold assembly and are fastened to ramp mid sections with self-tapping machine screws
- Neat, compact, and tight-fitting design replaces former mitering methods
- Miter Returns are match-drilled with each assembly
- Miter Returns are not "ADA" compliant
- Miter Returns are handed from the low end and are determined by which side of the ramp it fits into

WING10_H_

AVAILABLE FINISHES: **A, AK**

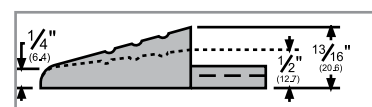
- WING10 can be trimmed to fit ramp assembly (dotted lines show cut down for use with R.5FMR_)



WING10RH_

(right-hand shown)

End View

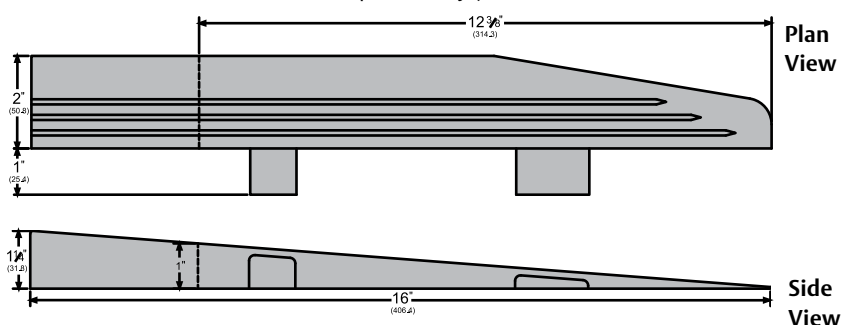


View from high-end

WING16_H_

AVAILABLE FINISHES: **A, AK**

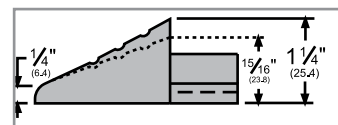
- WING16 can be trimmed to fit ramp assembly (dotted lines show cut down for use with R1FMR_)



WING16RH_

(right-hand shown)

End View

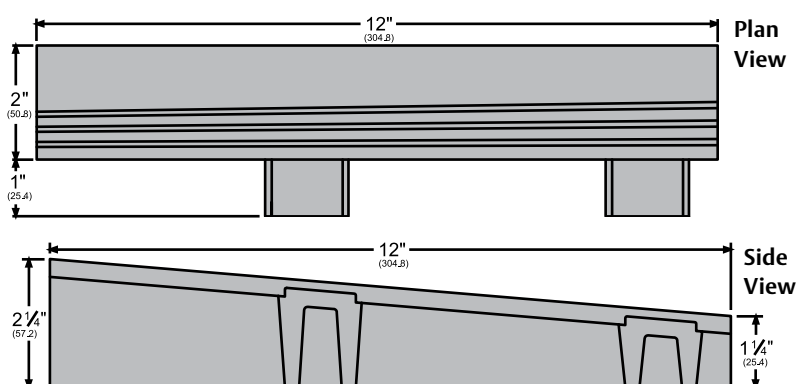


View from high-end

WINGEXT_H_

AVAILABLE FINISHES: **A, AK**

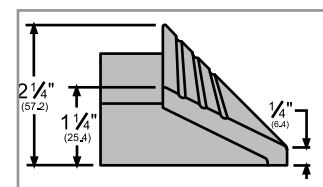
- WINGEXT are included with assemblies to completely fill ends for 2" offset or 2 1/4" flush conditions
- WINGEXT works in conjunction with WING16 for these higher offset conditions



WINGEXTRH_

(right-hand shown)

End View



View from high-end

See flyer on the Literature page of www.assaabloydooraccessories.us for WING cut-down chart.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) **AK** (Mill Finish Aluminum with PemKote™ Non-Slip Coating)

Barrier-Free Ramp Thresholds

- The modular ramp thresholds are an improvement over the **257/259** however, **257/259** will remain available for special requirements
- Use **257_** and **259_** together, or use **257_** with an abutted 1:12 concrete slope
- When used as a cover plate assembly (see Commercial Thresholds section), a longer spindle may be required
- Ramps on this page are not ADA compliant when used at a door opening
- The **257_** is not ADA compliant when used alone.
- PemKote™ is highly recommended for all threshold assemblies, especially exterior conditions where moisture may be present

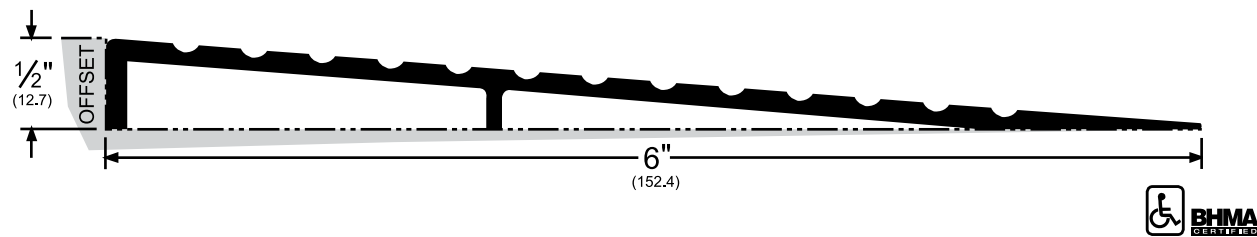
257x259_

AVAILABLE FINISHES: **A, AK, B, D, G**



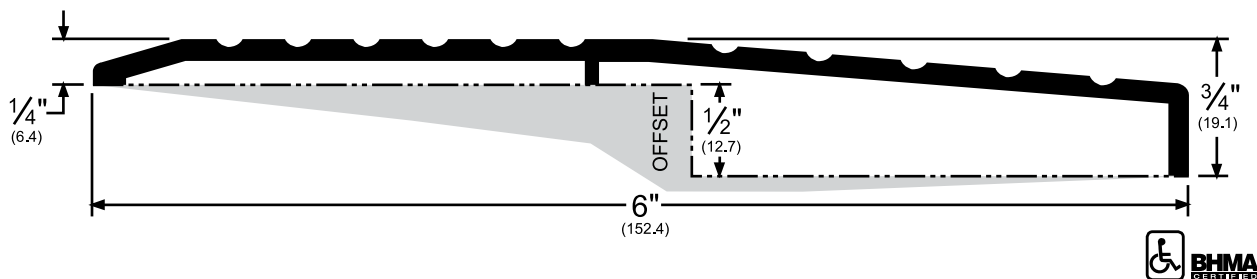
259_

AVAILABLE FINISHES: **A, AK, B, D, G**



257_

AVAILABLE FINISHES: **A, AK, B, D, G**



NOTE: Products shown in this section are not drawn to scale.

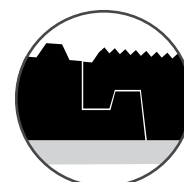
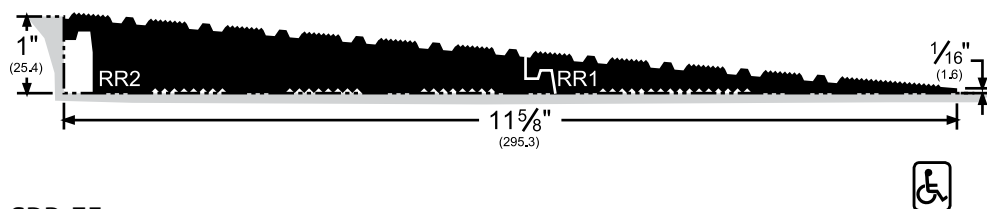
AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)
A (Mill Finish Aluminum) **AK** (Mill Finish Aluminum with PemKote™ Non-Slip Coating)
B (Mill Finish Extruded Bronze [Brass]) **D** (Dark Bronze Anodized) **G** (Gold Anodized)

Fire Retardant and Styrene Butadiene Rubber Ramp Thresholds

- Rubber ramps meet the requirements of **ADAAG-2010; IBC/ANSI A117.1; and California Title 24, Part 2**
- Styrene butadiene rubber ramps are weather, ozone, abrasion, and impact resistant; long-lasting and fire retardant
- Rubber ramps are sold in one foot increments up to 15-foot lengths
- Rubber ramps can be butted together for longer lengths
- Rubber ramps are cut square on each end but are available with molded rubber miter returns. To receive a pair of miter returns, add "MR" to the part number (example: **SBR.5FMR**)
- Rubber ramps have a superior grip, anti-slip surface and a "no bump" tapered lead edge. Rubber ramps are classified by Underwriters Laboratories, Inc.,® as a skid-resistant floor surface per **UL standard for safety, UL410**. Rubber ramps also meet the requirements of **ASTM D 2047** and **Federal Specification P-F-430C**
- Rubber ramps are easy to install on most surfaces by using a construction adhesive. Mechanical fasteners are not required and not recommended
- Rubber ramps are also portable. For temporary applications, an assembly stays in place by its sheer weight and can be removed from one opening and placed at another opening
- Use **RR200** (available from Pemko) to glue rubber ramps to floor surfaces
- Rubber ramps are available for 1/2" and 1" offset heights
- Rubber ramps can be cross-cut to length or ripped to a custom offset height using a table or radial arm saw with a carbide-tipped blade. These modifications must be made in the field

SBR1F

SBR1FMR **

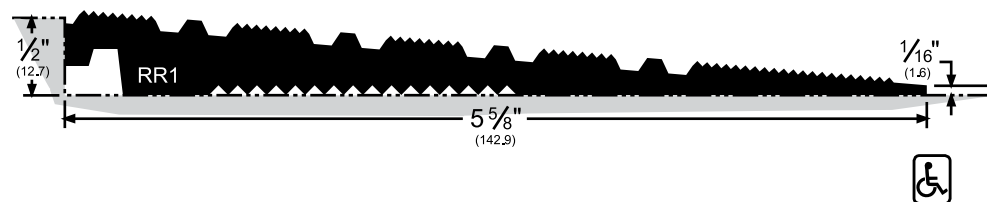


Assembly consists of two inter-locking components.

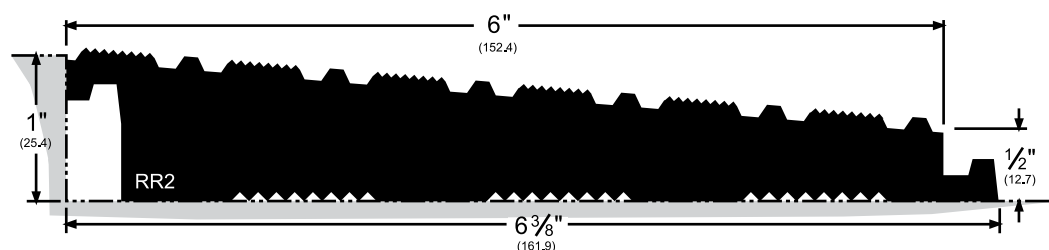
SBR.5F

SBR.5FMR **

RR1



RR2



This component (**RR2**) is not ADA compliant when used by itself.

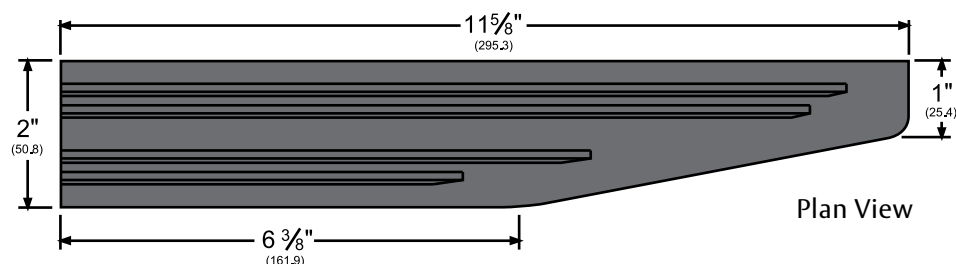
NOTE: Products shown in this section are not drawn to scale.

** = Miter Returns are not ADA compliant

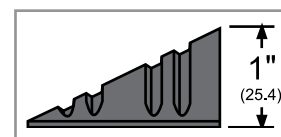
Rubber Ramp Miter Returns

- Made from molded styrene butadiene rubber
- Glue miter returns to each end using an adhesive such as **RR200**
- Miter Returns are supplied in pairs: one left-hand (**RR12LH**) and one right-hand (**RR12RH**)
- If only one miter return is required, specify the handing

RR12_H



End View



Shown as viewed from the low end.

Recycled Rubber Ramp Assembly

- ADA Compliant, based on application
- Meets: **UL410, ASTM D2047, Federal Specification P-F-430C**
- Recycled Rubber Ramp Assemblies meet **IBC/ANSI A117.1-2013**
- Made from #20 mesh minus crumb rubber (with urethane binders) reclaimed from 100% recycled rubber automotive tires
- Pemko strongly recommends using **RR200** (available from Pemko) to glue rubber ramps to floor surfaces. Avoid Liquid Nails with Rubber Ramps
- Using ordinary tools, trim to fit your application
- Can be ripped for offsets less than 1 1/4"
- Plane bottom surface of ramp to accommodate irregular surface conditions
- Miter returns are molded into the design of the Recycled Rubber Ramp
- 36" and 60" ramps are supplied as one (1) piece assemblies
- 48" and 72" ramps are supplied as two (2) piece assemblies
- Dimensions are nominal and can vary by as much as one inch. This is acceptable as long as the two halves match

Ordering Chart

Other sizes are available, please contact Pemko Customer Service.

PART #	WIDTH "A" (door opening)	WIDTH "B" (total width)
RR1.25FMR36	36"	41"
RR1.25FMR48	48"	53"
RR1.25FMR60	60"	65"
RR1.25FMR72	72"	77"
RR1.25FMR96	96"	101"

