

ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions

MODULAR RAMPS

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Modular Ramp Threshold Assemblies

- Assemblies accommodate $\frac{1}{2}$ " to $2\frac{1}{4}$ " 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 $2\frac{1}{4}$ "
- 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

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



Only with PemKote™ Non-Slip Coating

Flush Applications

$\frac{1}{2}$ " Floor Offset

R.5F_

R.5FMR_ **



AVAILABLE FINISHES: **A, AK**
 ASSEMBLY LENGTH: $6\frac{1}{8}$ "
 # OF COMPONENTS: 1



Complete assembly drawings available online

$\frac{3}{4}$ " Floor Offset

R.75F_

R.75FMR_ **



AVAILABLE FINISHES: **A, AK**
 ASSEMBLY LENGTH: $9\frac{1}{4}$ "
 # OF COMPONENTS: 2



1" Floor Offset

R1F_

R1FMR_ **



AVAILABLE FINISHES: **A, AK**
 ASSEMBLY LENGTH: $12\frac{3}{8}$ " #
 OF COMPONENTS: 2



$1\frac{1}{4}$ " Floor Offset

R1.25F_

R1.25FMR_ **



AVAILABLE FINISHES: **A, AK**
 ASSEMBLY LENGTH: $15\frac{1}{2}$ "
 # OF COMPONENTS: 3



$1\frac{1}{2}$ " Floor Offset

R1.5F_

R1.5FMR_ **



AVAILABLE FINISHES: **A, AK**
 ASSEMBLY LENGTH: $18\frac{3}{8}$ "
 # OF COMPONENTS: 3



$1\frac{3}{4}$ " Floor Offset

R1.75F_

R1.75FMR_ **



AVAILABLE FINISHES: **A, AK**
 ASSEMBLY LENGTH: $21\frac{3}{4}$ "
 # OF COMPONENTS: 4



2" Floor Offset

R2F_

R2FMR_ **



AVAILABLE FINISHES: **A, AK**
 ASSEMBLY LENGTH: $24\frac{7}{8}$ "
 # OF COMPONENTS: 4



$2\frac{1}{4}$ " Floor Offset

R2.25F_

R2.25FMR_ **



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

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



Complete assembly drawings available online.

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 7/8"
OF COMPONENTS: 5

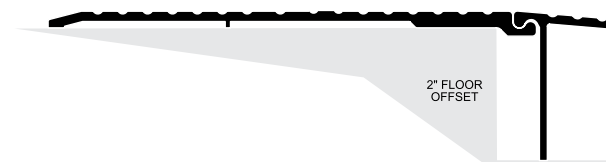


2" Floor Offset

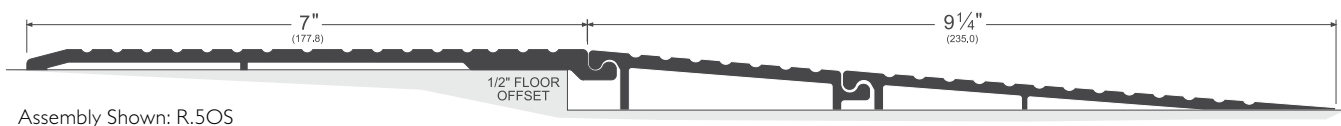
R2OS_
R2OSMR_**



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



NOTE: Greater offset may be accomplished by using PEMKO risers.
** = 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



Complete assembly drawings available online.

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_**

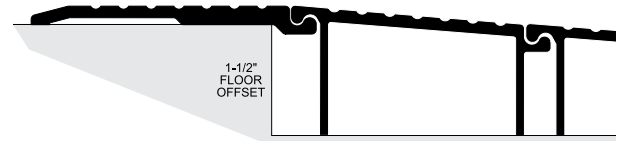

AVAILABLE FINISHES: **A, AK**
 ASSEMBLY LENGTH*: 22⅛"
 # OF COMPONENTS: 4



1½" Floor Offset

R1.5OSS_
R1.5OSSMR_**

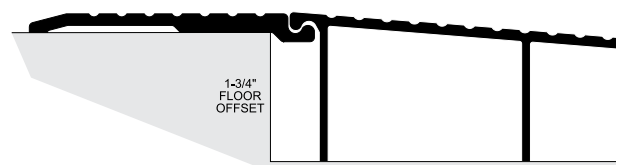

AVAILABLE FINISHES: **A, AK**
 ASSEMBLY LENGTH*: 25¼"
 # OF COMPONENTS: 5



1¾" Floor Offset

R1.75OSS_
R1.75OSSMR_**

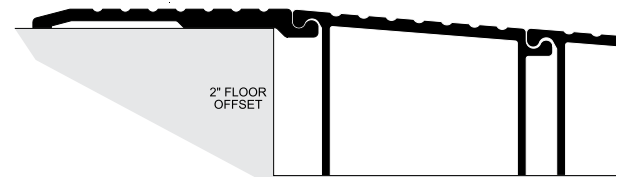

AVAILABLE FINISHES: **A, AK**
 ASSEMBLY LENGTH*: 28⅞"
 # OF COMPONENTS: 5



2" Floor Offset

R2OSS_
R2OSSMR_**


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






NOTE: Greater offset may be accomplished by using PEMKO risers.
 ** = 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

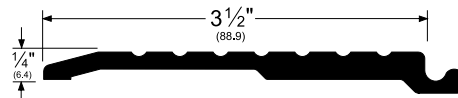
- Components are generally sold as part of assemblies
- Ramp Assemblies consist of interlocking components, eliminating the need to weld joints. Interlocking ball-joint design allows each component to flex and conform to uneven surfaces
- All assemblies carry the following labels:   
- PemKote™ is highly 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 MR-2 - MR-4

Top Plates

RAMP8_

Short top plate

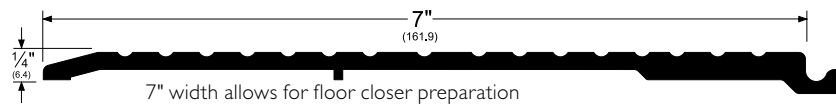
AVAILABLE FINISHES: A, AK



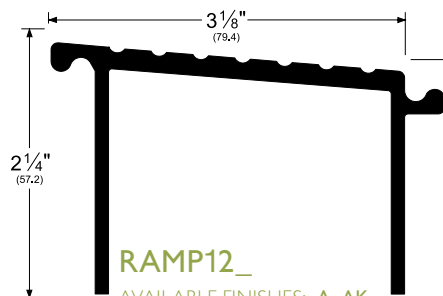
RAMP1_

Top plate

AVAILABLE FINISHES: A, AK

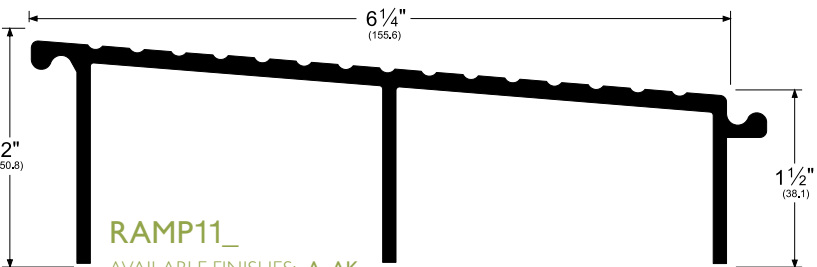


Bridges



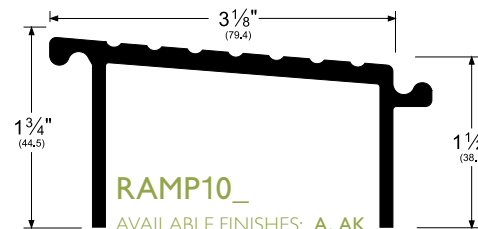
RAMP12_

AVAILABLE FINISHES: A, AK



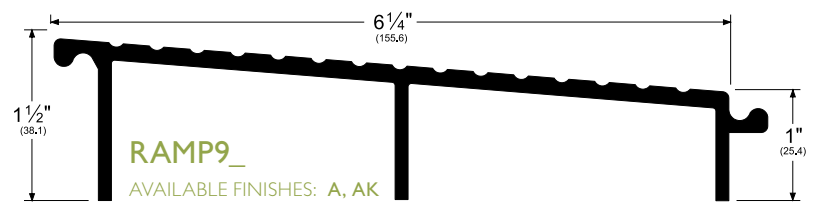
RAMP11_

AVAILABLE FINISHES: A, AK



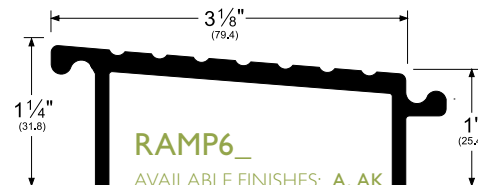
RAMP10_

AVAILABLE FINISHES: A, AK



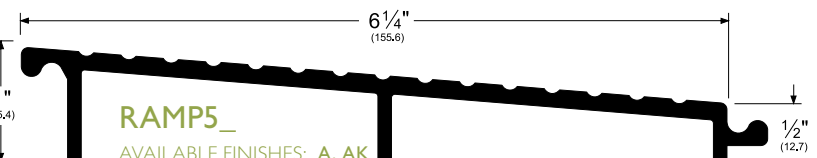
RAMP9_

AVAILABLE FINISHES: A, AK



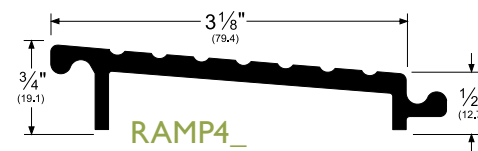
RAMP6_

AVAILABLE FINISHES: A, AK



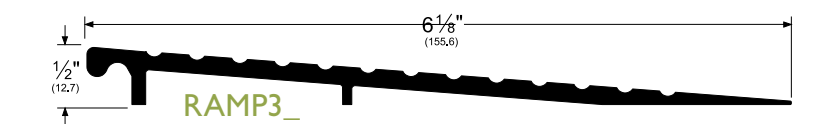
RAMP5_

AVAILABLE FINISHES: A, AK



RAMP4_

AVAILABLE FINISHES: A, AK






RAMP3_

AVAILABLE FINISHES: A, AK

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
- 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
- All assemblies carry the following labels: **BHMA**   

RVARIOSS_

AVAILABLE FINISHES: A, AK

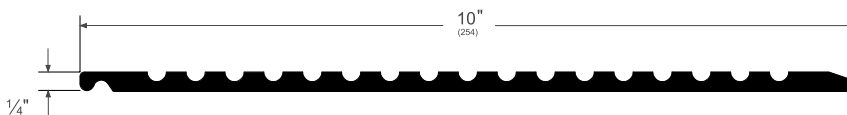


Variable Ramp Components

RAMP2_

variable

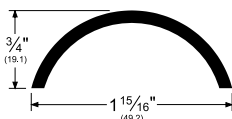
AVAILABLE FINISHES: A, AK



RAMP7_

support for variable

AVAILABLE FINISHES: A, AK

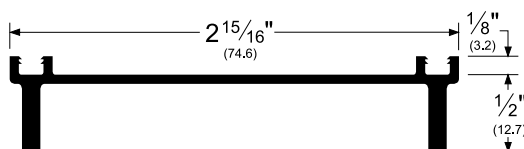


Risers for Modular Ramps

- 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

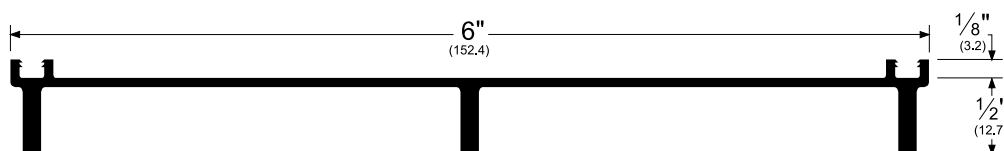
RAMP13_

AVAILABLE FINISHES: A, AK



RAMP14_

AVAILABLE FINISHES: A, AK



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)

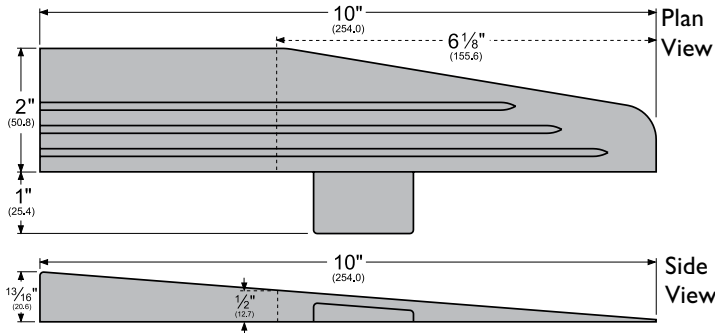
Miter Returns For Modular Ramp Thresholds

- 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

WING10_H_

AVAILABLE FINISHES: **A, AK**

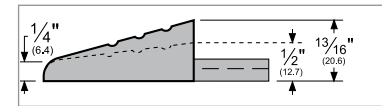
- WING10 can be trimmed to fit ramp assembly (dotted lines show cut down for use with R.5FMR_)



WING10RH_

(right-hand) shown

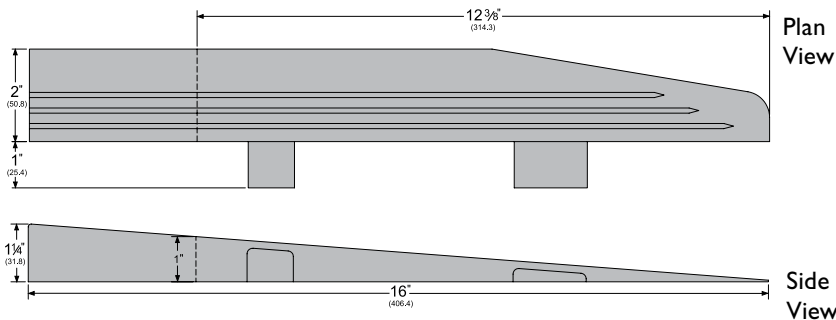
End View



WING16_H_

AVAILABLE FINISHES: **A, AK**

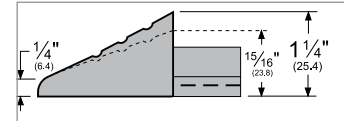
- WING16 can be trimmed to fit ramp assembly (dotted lines show cut down for use with R1FMR_)



WING16RH_

(right-hand) shown

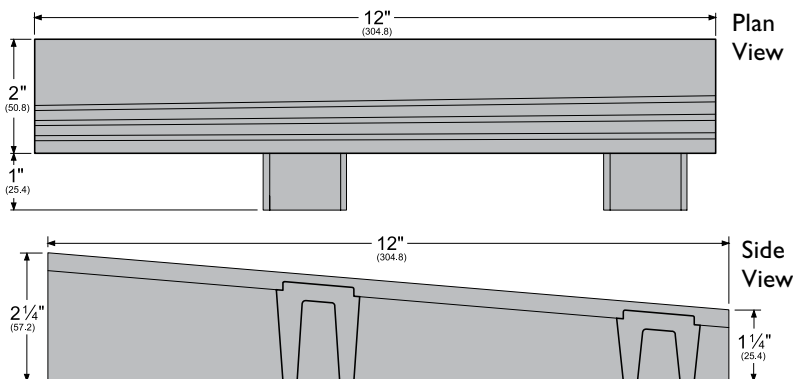
End View



WINGEXT_H_

AVAILABLE FINISHES: **A, AK**

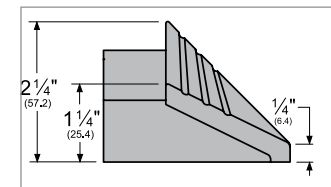
- WINGEXT are included with assemblies to completely fill ends for 2" offset or 2 1/4" flush conditions
WINGEXT works in conjunction with WING16 for these higher offset conditions



WINGEXTRH_

(right-hand) shown

End View



See flyer on the Literature page of www.pemko.com for WING cut-down chart.

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

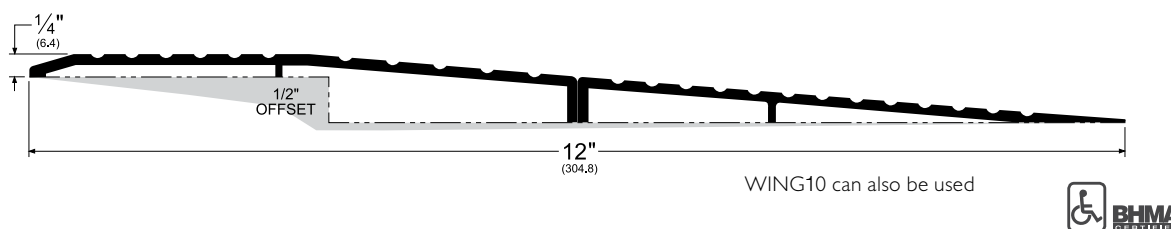
A (Mill Finish Aluminum) **AK** (Mill Finish Aluminum with PemKote™ Non-Slip Coating)

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

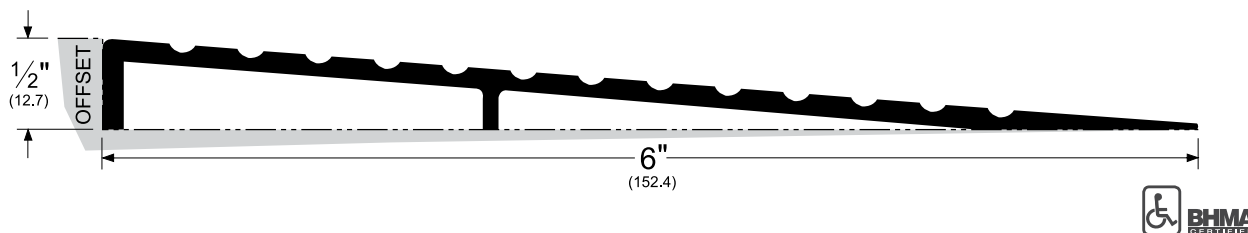
257 x 259_

AVAILABLE FINISHES: A, B, D, G



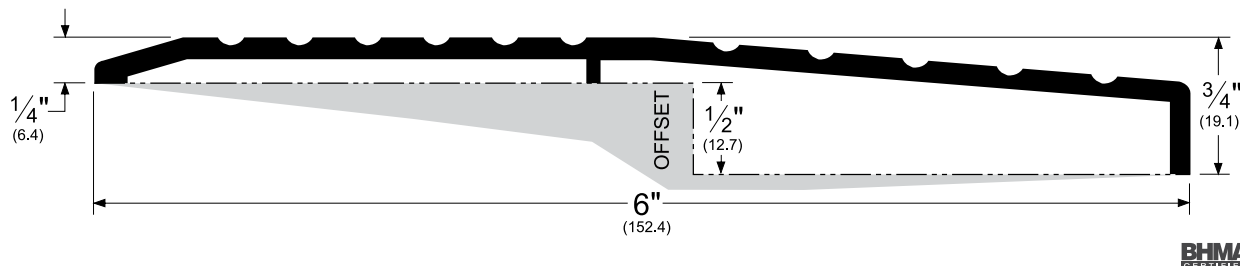
259_

AVAILABLE FINISHES: A, B, D, G



257_

AVAILABLE FINISHES: A, 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)

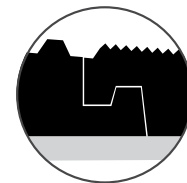
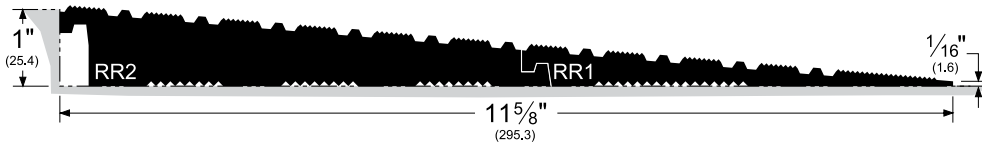
A (Mill Finish Aluminum) AK (Mill Finish Aluminum with PemKote™ Non-Slip Coating) B (Mill Finish Extruded Bronze [Brass]) D (Dark Bronze Anodized) G (Gold Anodized)

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** 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

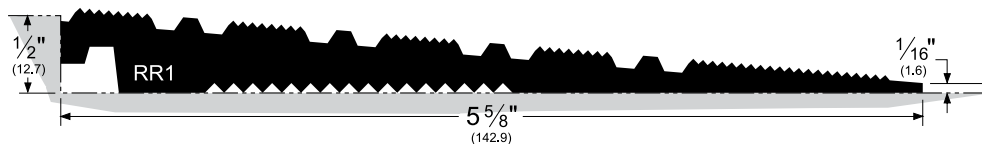
SBR1F

SBR1FMR **

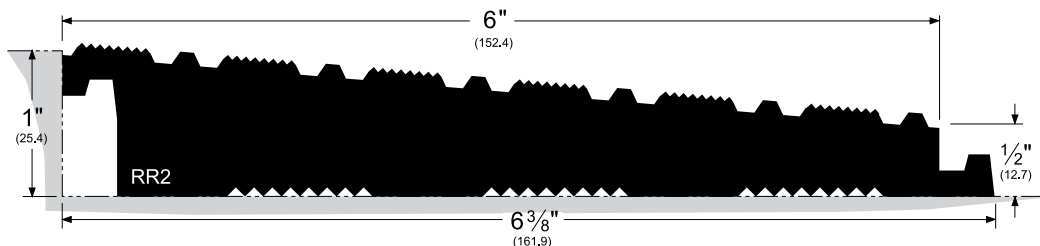


SBR.5F

SBR.5FMR ** RR1



RR2



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

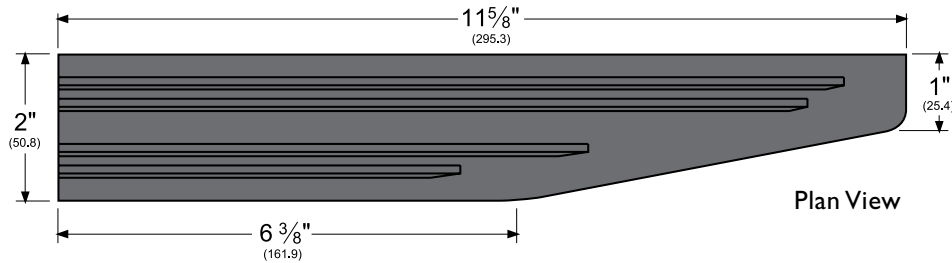
NOTE: Products shown in this section are not drawn to scale.

** = Miter Returns are not ADA compliant

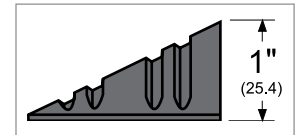
Rubber Ramp Miter Returns

- 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



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 A117.1-2010**
- Made from #20 mesh minus crumb rubber (with urethane binders) reclaimed from 100% recycled rubber automotive tires
- PEMKO strongly recommends using **RR200** 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

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"

