



BALCO

ARCHITECTURAL PRODUCTS



WHY CHOOSE **BALCO**



INNOVATION

- **Silicone-based** wall and roof expansion joints with high UV resistance and long lasting durability.
- **Epoxy formulation** provides the longest lasting stair nosings in the market with excellent skid and wear resistance.
- One of the first companies to manufacture **photoluminescent egress systems**, and are UL listed for both interior and exterior use.
- Easy-to-install and **light weight fire barriers** which require no fire caulk for installation.

SERVICES

- **Customizable** design systems and fabrications based on your needs.
- **Complete turnkey service** to assist you from layout, design, specs, drawings, to shipping and billing.
- **Training and certification** programs for sub-contractors, architects and specifiers.

EXPERTISE & EXPERIENCE

- **Established in 1957**, recognized as the industry's expert with experienced professionals in every department.
- **Member of reputable industry organizations** such as American Institute of Architects, Construction Specification Institute, and International Concrete Restoration Institute.
- Part of the CSWI group, we offer **cross-functional solutions** from other CSWI acclaimed companies such as RectorSeal's fire stop products.

QUALITY & SAFETY

- Certified **ISO 9001** Quality Management System.
- **UL listed** with in-house UL test and research capabilities.





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Mayo Clinic
Rochester, MN



A CSW Industrials Company


EXPANSION JOINT SYSTEMS INTERIOR & EXTERIOR

DIVISION 079500

Balco Expansion Joint Covers are designed to meet recognized building codes and test standards for performance. Our various designs accommodate building movement related to thermal, wind and seismic forces. We provide solutions for fire rating, water resistance and many other environmental factors.



Saint Luke's Mid America Heart Institute
Kansas City, MO

The image shows a modern, multi-story hospital building with a prominent glass facade and brick accents. A sign above the entrance reads 'Saint Luke's Hospital' and 'Saint Luke's Mid America Heart Institute'. A large, circular, metallic sculpture is visible in the foreground.

Jorge Chavez Airport
Lima, Peru

The image shows a modern airport terminal building with a glass facade and a large, circular, metallic sculpture on the roof. The building is surrounded by a parking lot with cars and a yellow pedestrian crossing sign.

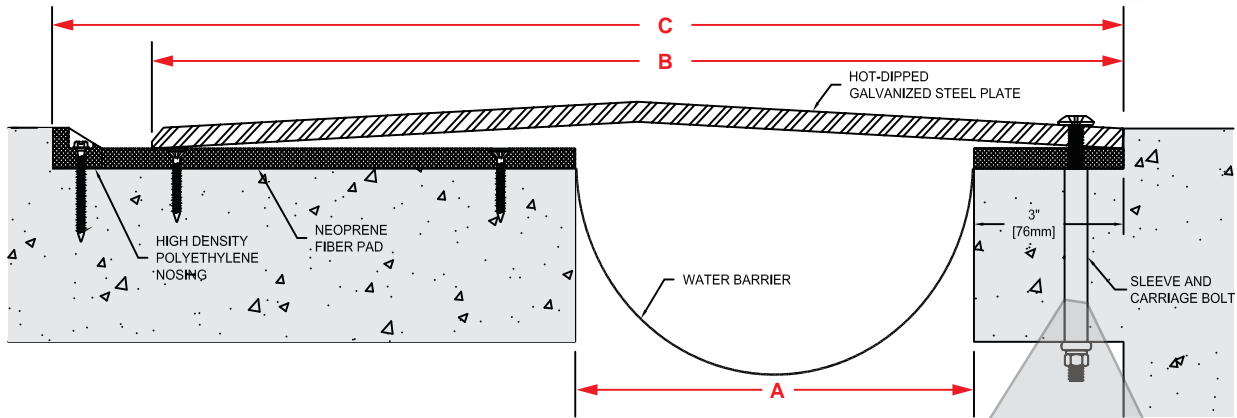
Metal Systems

HEAVY DUTY METAL SYSTEM

The HPG series is designed for automobile traffic. The cover system features a sound dampening reinforced rubber base and allows for vertical movement due to slab deflection across the joint opening. The heavy duty galvanized steel cover is abuse resistant and accommodates automobile traffic for joints up to 18" wide or more.



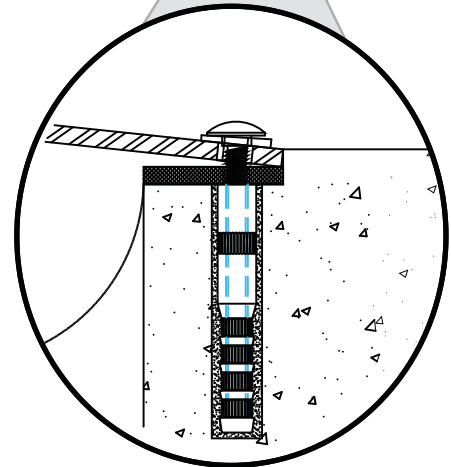
HPG



FEATURES:

- Hot-dipped galvanized steel cover plate
- Neoprene pad with UHMW polyethylene nosing
- EPDM water barrier

HPG RETRO



FIRE RATED SYSTEMS AVAILABLE

COVER PLATE MATERIAL

GALVANIZED



SLOW VEHICULAR

Load Data Sheet page 110

	JOINT OPENING	PLATE WIDTH	OVERALL WIDTH
	A	B	C
HPG-1-2	2" (51mm)	6 1/2" (165mm)	8 1/2" (216mm)
HPG-2-4	4" (102mm)	9 1/2" (241mm)	11 1/2" (292mm)
HPG-3-6	6" (152mm)	12 1/2" (317mm)	14 1/2" (368mm)
HPG-4-8	8" (203mm)	15 1/2" (394mm)	17 1/2" (445mm)
HPG-5-10	10" (254mm)	18 1/2" (470mm)	20 1/2" (521mm)
HPG-6-12	12" (305mm)	21 1/2" (546mm)	23 1/2" (597mm)

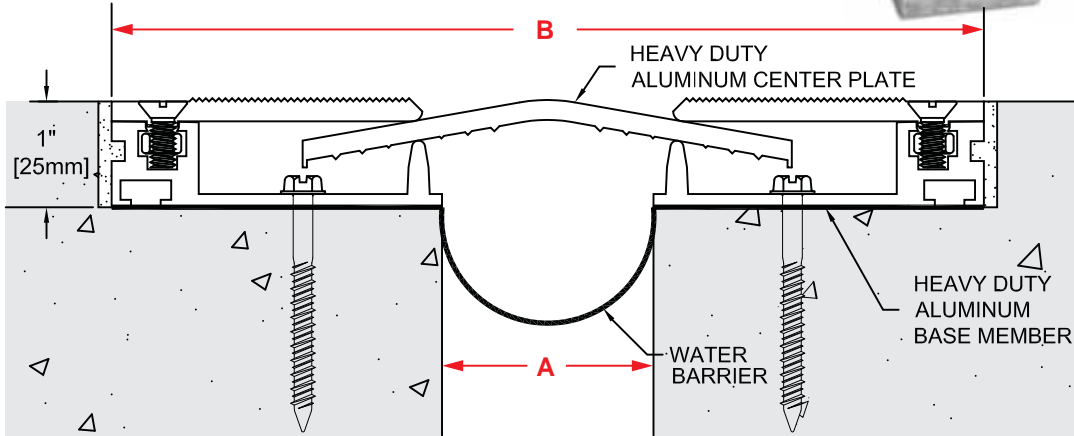
±50% Movement shown - ±100% Also available

GLIDE PLATE METAL SYSTEM

The XH4FS series is a traditional metal glide plate system that is well suited for heavy-duty traffic and vertical deflections in joints up to 4".



XH4FSg

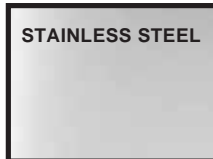


FEATURES

- Sliding aluminum center plate with aluminum side cover plate
- Movement capabilities -50% and 100%



OPTIONAL COVER PLATE MATERIAL



Base members are aluminum extrusions.

	JOINT OPENING	OVERALL WIDTH
	A	B
XH4FS-1	1" (25mm)	5 1/4" (133mm)
XH4FS-2	2" (51mm)	8 1/4" (210mm)
XH4FS-3	3" (76mm)	12 3/16" (310mm)
XH4FS-4	4" (102mm)	15 3/16" (386mm)

±100% Movement shown - ±50% Also available



PEDESTRIAN



GURNEY/BED



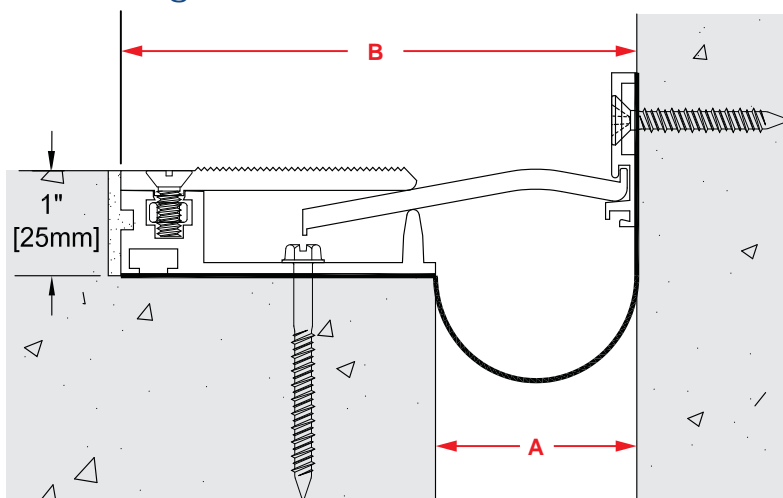
X-RAY



FLOOR SWEEPER

Load Data Sheet page 110

XH4FVSg



	JOINT OPENING	OVERALL WIDTH
	A	B
XH4FVS-1	1" (25mm)	3 1/8" (79mm)
XH4FVS-2	2" (51mm)	5 1/8" (130mm)
XH4FVS-3	3" (76mm)	1' 3/16" (310mm)
XH4FVS-4	4" (102mm)	1' 3 3/16" (386mm)

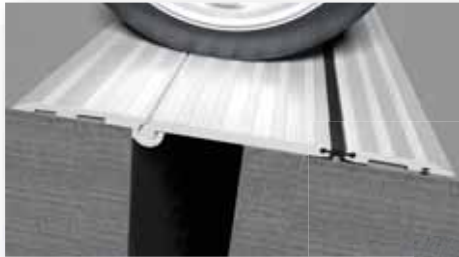
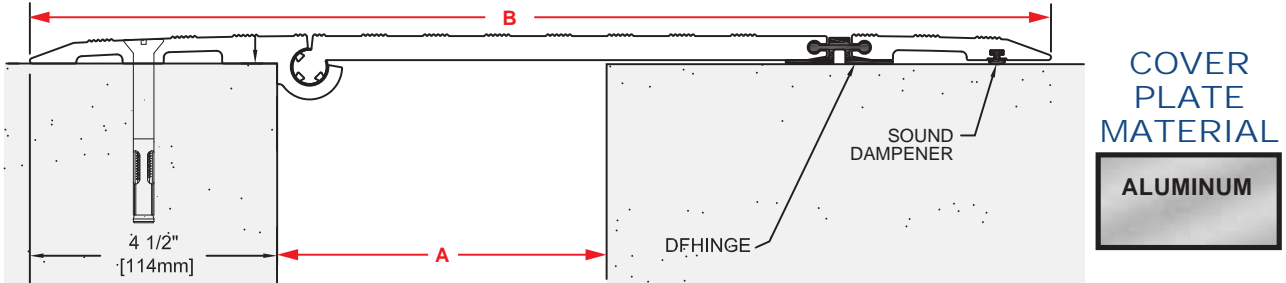
±100% Movement shown - ±50% Also available

Metal Hinged and Gutter Systems

HEAVY DUTY SURFACE MOUNTED SYSTEM

The DFH series is a surface mounted expansion joint cover designed for automobile and pedestrian traffic. It accommodates horizontal movement in all directions and $\pm 1"$ vertical movement making it ideal for retrofit and renovation projects.

DFH



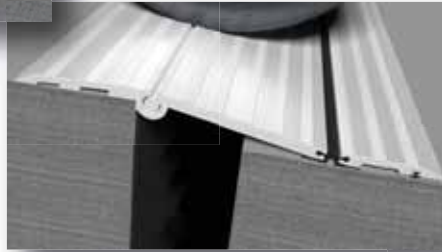
	JOINT OPENING	OVERALL WIDTH
	A	B
DFH-4	4" (102mm)	15 9/16" (396mm)
DFH-6	6" (152mm)	19 9/16" (472mm)
DFH-8	8" (203mm)	21 9/16" (548mm)

$\pm 50\%$ Movement shown



SLOW VEHICULAR

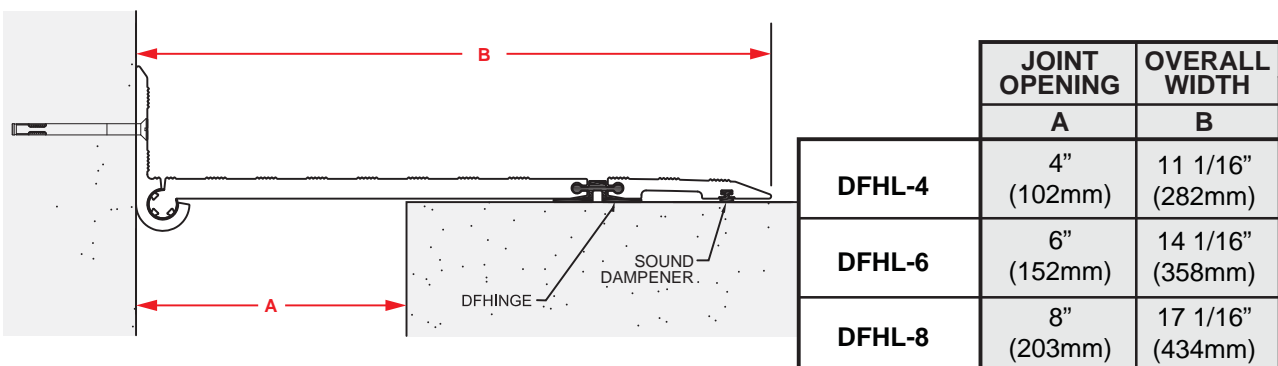
Load Data Sheet page 110



FEATURES:

- Multi-directional movement
- Recommended joint sizes 3" to 8"
- Standard $\pm 50\%$ movement
- Up to 12" max opening
- Automobile Traffic
- ADA Compliant
- Retrofit construction
- Floor to Floor and Floor to Wall installation
- Can be installed with moisture barrier or compressible seals
- Vertical shear up to $\pm 1"$
- Horizontal shear 100%
- Made of high strength extruded aluminum

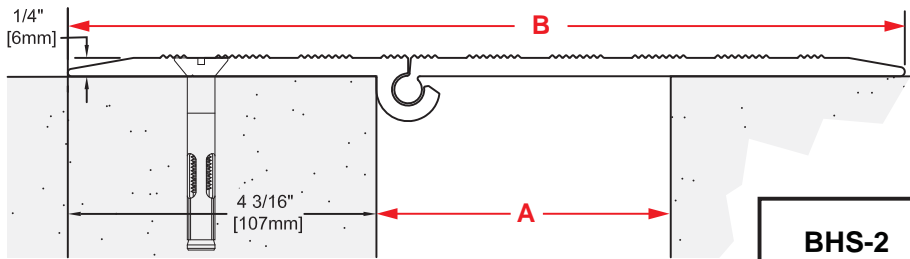
DFHL



$\pm 50\%$ Movement shown -

BHS

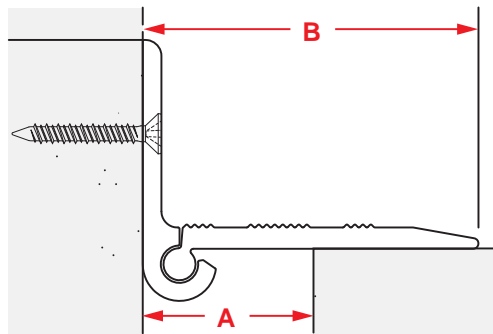
The BHS series is designed to accommodate high volume pedestrian traffic and vertical displacement.



	JOINT OPENING	OVERALL WIDTH
	A	B
BHS-2	2" (51mm)	8 1/8" (206mm)
BHS-4	4" (102mm)	11 3/8" (289mm)
BHS-6	6" (152mm)	14 5/8" (371mm)

±50% Movement Shown

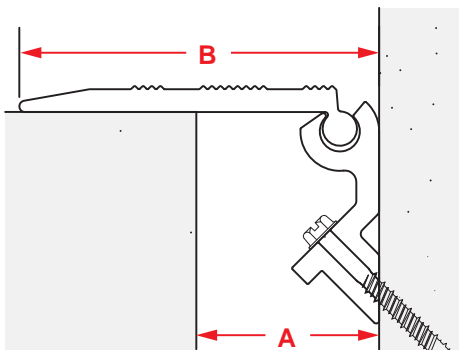
BHSL



	JOINT OPENING	OVERALL WIDTH
	A	B
BHSL-2	2" (51mm)	3 15/16" (100mm)
BHSL-4	4" (102mm)	7 3/16" (183mm)
BHSL-6	6" (152mm)	10 7/16" (265mm)

±50% Movement Shown

BHSE







COVER
PLATE
MATERIAL

ALUMINUM

	JOINT OPENING	OVERALL WIDTH
	A	B
BHSE-2	2" (51mm)	3 15/16" (100mm)
BHSE-4	4" (102mm)	7 3/16" (183mm)
BHSE-6	6" (152mm)	10 7/16" (265mm)

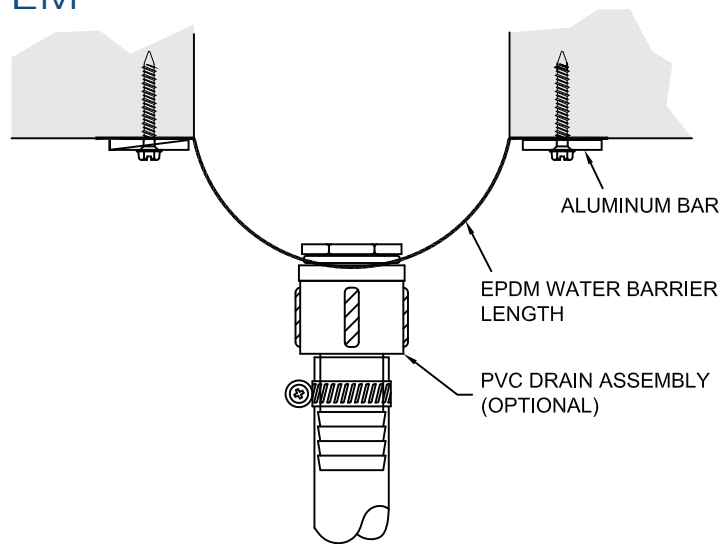
±50% Movement Shown

-  PEDESTRIAN
-  GURNEY/BED
-  X-RAY
-  SLOW VEHICULAR*

WATER BARRIER SYSTEM

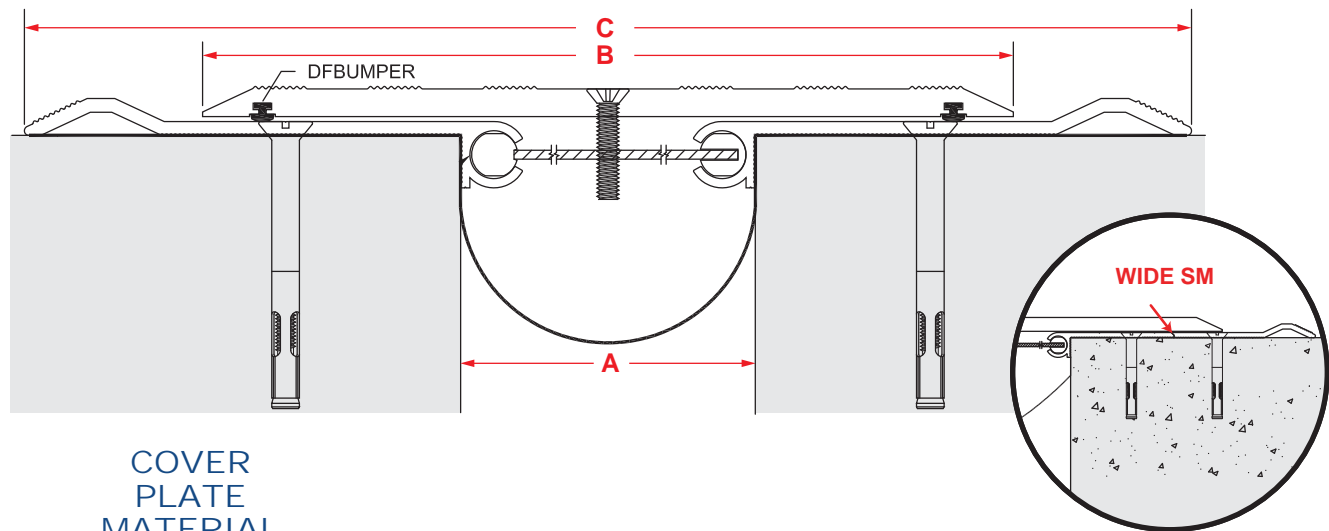
WB

The WB series is a water barrier gutter system that can be installed below the slab to provide protection from water penetrating through expansion joint openings. It is often used as a secondary water stop with a drain tube assembly that can be installed in strategic areas for water drainage.



SM

The SM series is surface mounted and fastened in place with countersunk concrete fasteners and construction adhesive to prevent the aluminum frames from working loose during frequent traffic conditions.



8" and larger have the 2 piece sub.

COVER
PLATE
MATERIAL

ALUMINUM



FIRE RATED
SYSTEMS
AVAILABLE

	JOINT OPENING	PLATE WIDTH	OVERALL WIDTH
	A	B	C
SM-2-4	4" (102mm)	8" (203mm)	15 13/16" (402mm)
SM-3-6	6" (152mm)	11" (279mm)	17 13/16" (453mm)
SM-4-8	8" (203mm)	14" (356mm)	19 13/16" (504mm)
SM-5-10	10" (254mm)	17" (432mm)	27 3/4" (705mm)

±50% Movement shown - ±100% Also available

	JOINT OPENING	PLATE WIDTH	OVERALL WIDTH
	A	B	C
SM-6-12	12" (305mm)	20" (508mm)	29 3/4" (756mm)
SM-7-14	14" (356mm)	23" (584mm)	31 3/4" (806mm)
SM-8-16	16" (406mm)	26" (660mm)	33 3/4" (857mm)
SM-9-18	18" (457mm)	29" (737mm)	35 3/4" (908mm)

±50% Movement shown - ±100% Also available



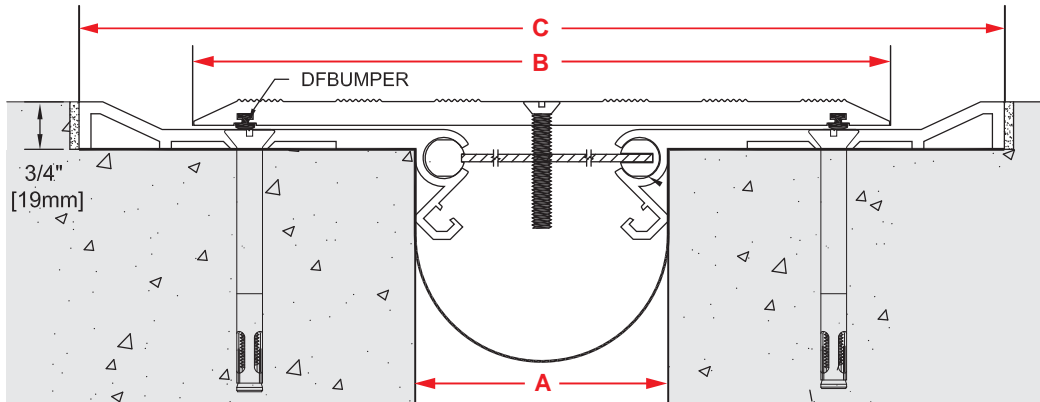
SLOW VEHICULAR

Load Data Sheet page 110

Parking Metal Systems Shallow Blockout Application

The SBP series requires minimal blockout space allowing for maximum structural support in the concrete below.

SBP



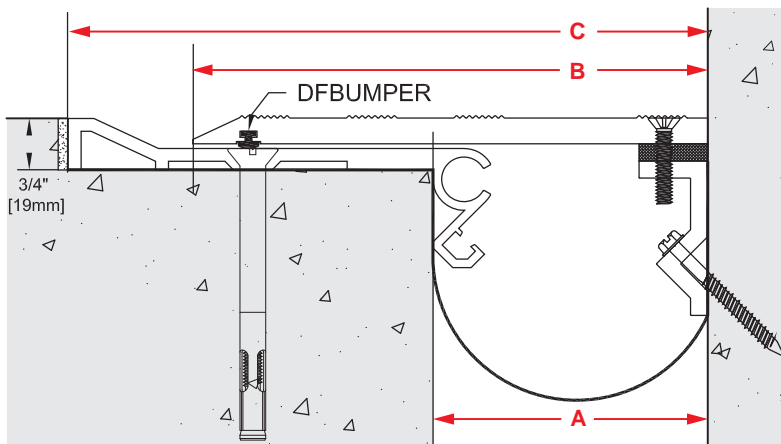
COVER
PLATE
MATERIAL
ALUMINUM



	JOINT OPENING	PLATE WIDTH	OVERALL WIDTH
	A	B	C
SBP-2-4	4" (102mm)	8" (203mm)	14 5/8" (371mm)
SBP-2.5-5	5" (127mm)	11" (280mm)	15 5/8" (422mm)
SBP-3-6	6" (152mm)	11" (280mm)	16 5/8" (422mm)
SBP-4-8	8" (203mm)	14" (356mm)	18 5/8" (473mm)

±100% Movement shown - ±50% Also available

SBPL



SLOW VEHICULAR

Load Data Sheet page 110

	JOINT OPENING	PLATE WIDTH	OVERALL WIDTH
	A	B	C
SBP-2-4	4" (102mm)	6" (152mm)	9 5/16" (237mm)
SBP-2.5-5	5" (127mm)	8" (203mm)	10 5/16" (262mm)
SBP-3-6	6" (152mm)	8 1/2" (216mm)	11 5/16" (288mm)
SBP-4-8	8" (203mm)	11" (280mm)	13 5/16" (338mm)

±50% Movement shown - ±100% Also available

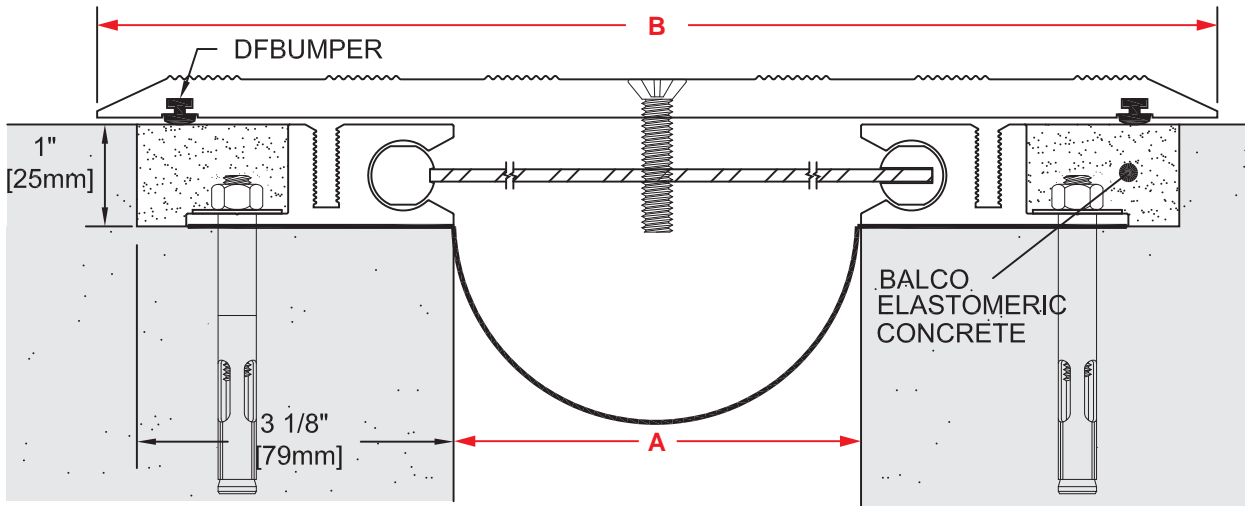
John Wayne Airport
Orange County, CA



PARKING METAL SYSTEM

The SMPQ series features a cover plate that glides over the surface of the concrete and has a smaller sightline than flush mounted cover plates.

SMPQ



COVER
PLATE
MATERIAL

ALUMINUM

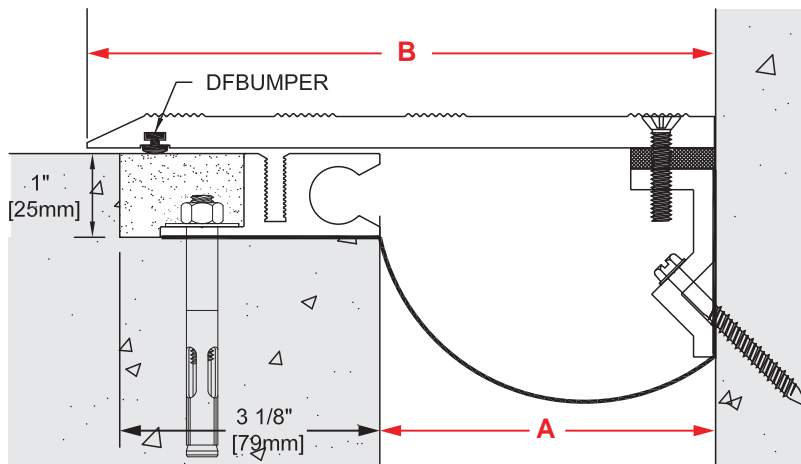


FIRE RATED
SYSTEMS
AVAILABLE

	JOINT OPENING	PLATE SIZE
	A	B
SMPQ-2	2" (51mm)	7" (179mm)
SMPQ- 4	4" (102mm)	11" (280mm)
SMPQ- 6	6" (152mm)	14" (356mm)
SMPQ- 8	8" (203mm)	19" (483mm)
SMPQ-10	10" (254mm)	23" (585mm)
SMPQ-12	12" (305mm)	27" (687mm)

±100% Movement shown -
±50% Also available

SMPQL



SLOW VEHICULAR*

Load Data Sheet page 110

*SMPQL systems are limited to
pedestrian traffic

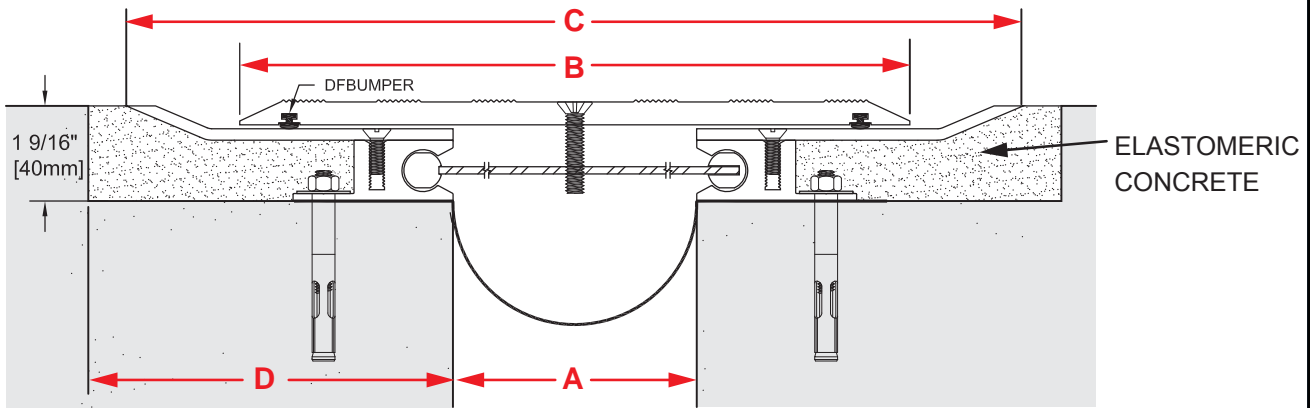
	JOINT OPENING	PLATE SIZE
	A	B
SMPQL-2	2" (51mm)	4 1/2" (114mm)
SMPQL- 4	4" (102mm)	7 1/2" (191mm)
SMPQL- 6	6" (152mm)	10" (254mm)
SMPQL- 8	8" (203mm)	13 1/2" (343mm)

±100% Movement shown -
±50% Also available

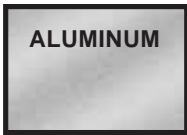
PARKING METAL SYSTEMS

SWPQ

The SWPQ is well suited for smaller expansion joint openings from 2" through 4" requiring a metal cover for heavy traffic conditions. Installation of an elastomeric concrete is required to create a more watertight and abuse resistant edge conditions for concrete block-outs.



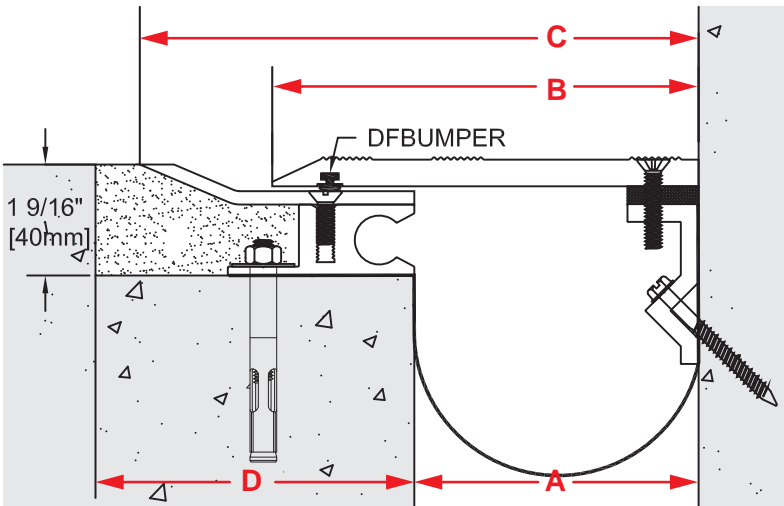
COVER
PLATE
MATERIAL



	JOINT OPENING	PLATE WIDTH	OVERALL WIDTH	BLOCKOUT WIDTH
	A	B	C	D
SWPQ-1-2	2" (51mm)	5" (127mm)	8 3/4" (222mm)	4" (102mm)
SWPQ-2-4	4" (102mm)	11" (279mm)	14 3/4" (374mm)	6" (152mm)
SWPQ-3-6	6" (152mm)	11" (279mm)	14 3/4" (374mm)	5" (127mm)
SWPQ-4-8	8" (203mm)	14" (356mm)	17 3/4" (450mm)	5 1/2" (139mm)

±50% Movement shown - ±100% Also available

SWPQL



SLOW VEHICULAR*

Load Data Sheet page 110

*SWPQL systems are limited to pedestrian traffic



FIRE RATED
SYSTEMS
AVAILABLE

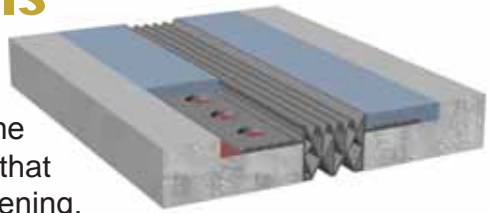
	JOINT OPENING	PLATE WIDTH	OVERALL WIDTH	BLOCKOUT WIDTH
	A	B	C	D
SWPQL-2-4	4" (102mm)	6" (152mm)	7 7/8" (200mm)	5 1/2" (114mm)
SWPQL-2.5-5	5" (127mm)	8" (152mm)	9 7/8" (251mm)	5 1/2" (139mm)
SWPQL-3-6	6" (152mm)	8 1/2" (216mm)	10 3/8" (263mm)	5" (127mm)
SWPQL-4-8	8" (203mm)	11" (279mm)	12 7/8" (327mm)	5 1/2" (139mm)

±50% Movement shown - ±100% Also available

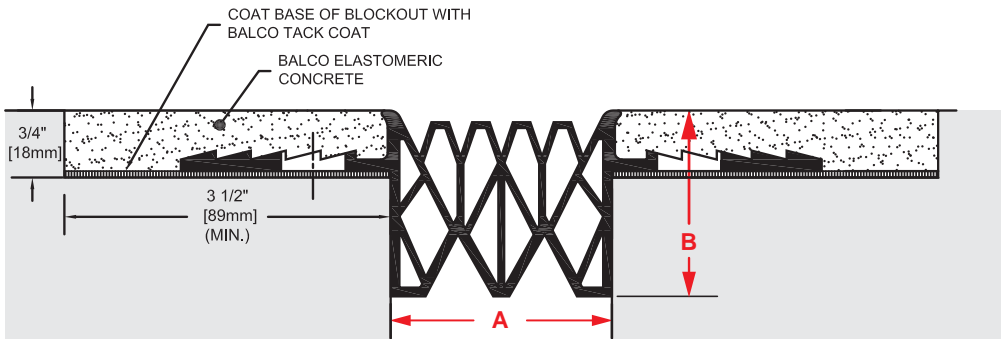
Elastomeric Chambered Wing Seals

WINGED CHAMBERED SEAL SYSTEM

The CS series is an elastomeric cover system used for waterproofing horizontal EJ openings from 1 1/2" to 4" wide. The seal is fastened to the concrete using an elastomeric concrete that reinforces the concrete edges and requires no mechanical fastening. This design is well suited for a post-tension concrete slab with pedestrian and automobile traffic applications.



CS



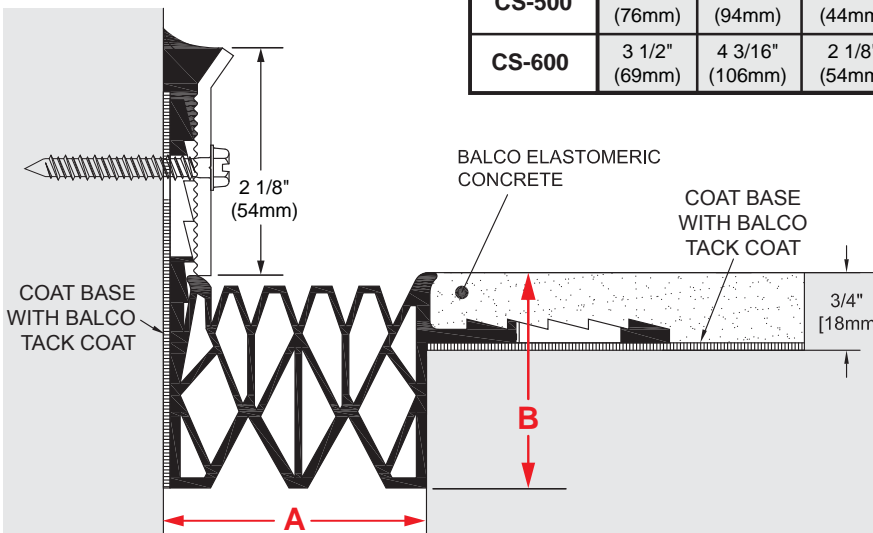
COLOR
OPTION



BLACK ONLY

	NOMINAL JOINT DIMENSIONS		JOINT OPENING		INSTALLATION SIZE		TOTAL MOVEMENT
	A	B	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	
CS-250	1 1/2" (38mm)	2" (51mm)	1" (25mm)	2 1/2" (64mm)	1 1/4" (32mm)	2" (51mm)	1 1/2" (38mm)
CS-325	2" (51mm)	2 5/8" (67mm)	1 1/4" (32mm)	3 1/4" (83mm)	1 3/4" (44mm)	2 3/4" (70mm)	2" (51mm)
CS-400	2 1/2" (64mm)	3" (76mm)	1 1/2" (38mm)	4" (102mm)	2" (51mm)	3 1/2" (89mm)	2 1/2" (64mm)
CS-500	3" (76mm)	3 11/16" (94mm)	1 3/4" (44mm)	5" (127mm)	2 1/4" (57mm)	4 1/2" (114mm)	3 1/4" (83mm)
CS-600	3 1/2" (69mm)	4 3/16" (106mm)	2 1/8" (54mm)	6" (152mm)	2 3/4" (70mm)	5 1/2" (140mm)	3 7/8" (98mm)

CSL



SLOW VEHICULAR

Load Data Sheet page 110



FIRE RATED
SYSTEMS
AVAILABLE

**Humphrey Airport Terminal
Parking Ramp
Minneapolis, MN**

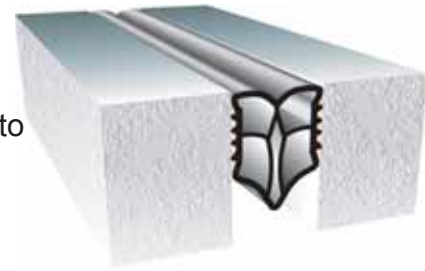


	NOMINAL JOINT DIMENSIONS		JOINT OPENING		INSTALLATION SIZE		TOTAL MOVEMENT
	A	B	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	
CSL-250	1 1/2" (38mm)	2" (51mm)	1" (25mm)	2 1/2" (64mm)	1 1/4" (32mm)	2" (51mm)	1 1/2" (38mm)
CSL-325	2" (51mm)	2 5/8" (67mm)	1 1/4" (32mm)	3 1/4" (83mm)	1 3/4" (44mm)	2 3/4" (70mm)	2" (51mm)
CSL-400	2 1/2" (64mm)	3" (76mm)	1 1/2" (38mm)	4" (102mm)	2" (51mm)	3 1/2" (89mm)	2 1/2" (64mm)
CSL-500	3" (76mm)	3 11/16" (94mm)	1 3/4" (44mm)	5" (127mm)	2 1/4" (57mm)	4 1/2" (114mm)	3 1/4" (83mm)
CSL-600	3 1/2" (69mm)	4 3/16" (106mm)	2 1/8" (54mm)	6" (152mm)	2 3/4" (70mm)	5 1/2" (140mm)	3 7/8" (98mm)

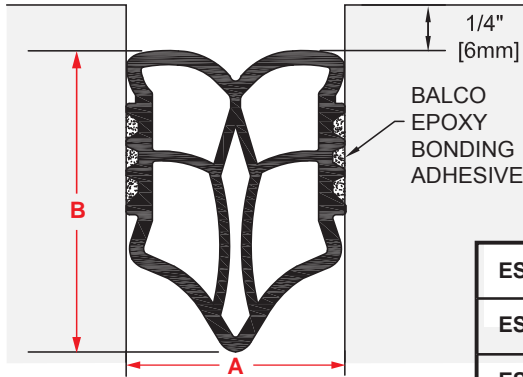
Elastomeric Epoxy Seals

ELASTOMERIC SEAL SYSTEM

The ES series is an elastomeric cover system used for filling horizontal EJ openings from 1" to 3" wide. The seal is adhered to the concrete using a 2 part structural epoxy and requires no mechanical fastening. This design is best suited for expansion joint openings that do not have block outs but require a flush or slightly below the surface installation. The ES is designed for automobile and pedestrian traffic.



ES



COLOR OPTION



BLACK ONLY



FIRE RATED SYSTEMS AVAILABLE

	NOMINAL JOINT DIMENSIONS		ACTUAL SEAL DIMENSIONS		ACTUAL MOVEMENT CAPABILITY		
	A	B	A	B	MINIMUM	MAXIMUM	TOTAL
ES-100	1" (25mm)	1 3/4" (44mm)	1" (25mm)	1 1/4" (32mm)	3/4" (19mm)	1 3/8" (35mm)	5/8" (16mm)
ES-150	1 1/2" (38mm)	2 1/2" (64mm)	1 1/2" (38mm)	1 7/8" (48mm)	1" (25mm)	2" (51mm)	1" (25mm)
ES-200	2" (51mm)	3 1/4" (83mm)	2" (51mm)	2 1/2" (64mm)	1" (25mm)	2 5/8" (67mm)	1 5/8" (41mm)
ES-250	2 1/2" (64mm)	3 3/4" (95mm)	2 1/2" (64mm)	3 1/8" (79mm)	1 3/8" (35mm)	3 1/8" (79mm)	1 3/4" (44mm)
ES-300	3" (76mm)	4 1/2" (114mm)	3" (76mm)	3 7/8" (98mm)	1 5/8" (41mm)	3 3/4" (95mm)	2 1/8" (54mm)



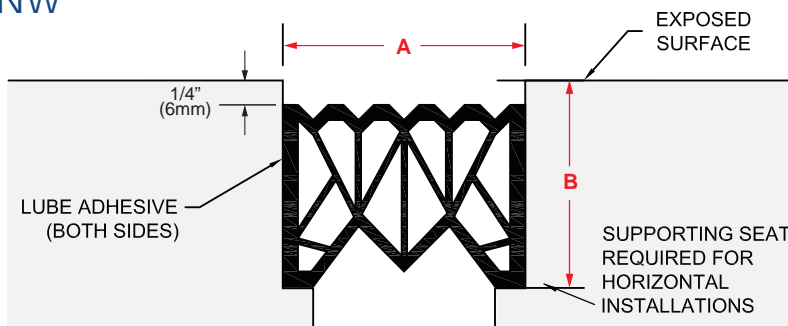
SLOW VEHICULAR

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NO WING SEAL SYSTEM

The NW Series is a compression seal design that is installed with a lubricant adhesive. This seal is commonly used in vertical and horizontal applications.

NW



FIRE RATED SYSTEMS AVAILABLE

OPTIONAL COLORS



Black
STANDARD

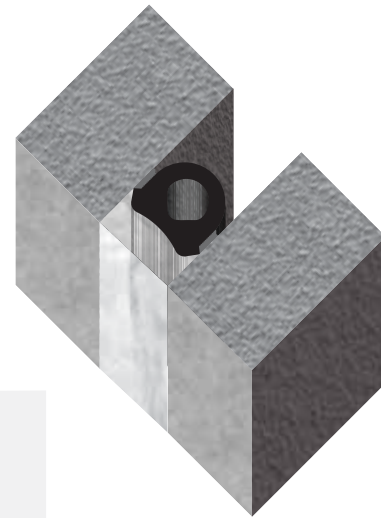


Tan Gray
AVAILABLE FOR AN UPCHARGE

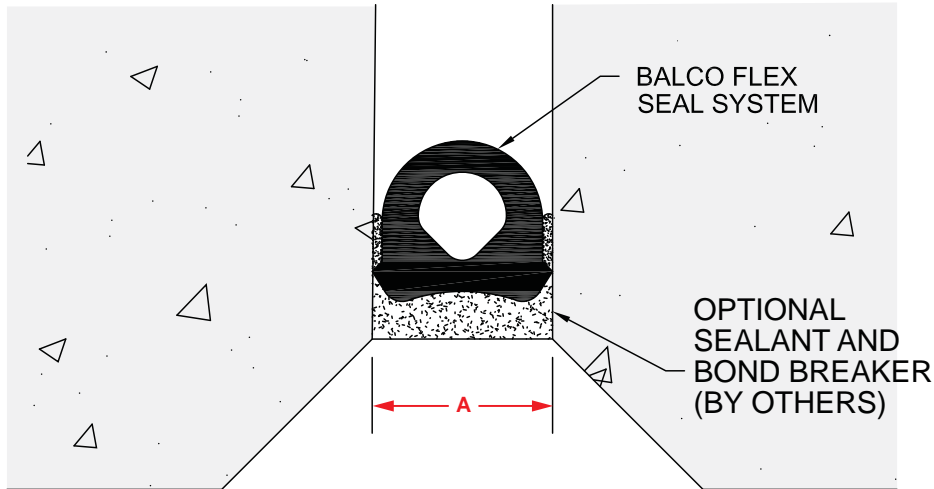
	NOMINAL JOINT DIMENSIONS		INSTALLATION WIDTH		BLOCKOUT	MOVEMENT
	A	A	MIDRANGE	MAXIMUM	B	
NW-250	3/4" (19mm)	2" (51mm)	1 1/4" (32mm)	2" (51mm)	1 7/8" (48mm)	1 1/4" (32mm)
NW-300	1 7/16" (37mm)	2 9/16" (65mm)	2" (51mm)	2 9/16" (65mm)	2 3/8" (60mm)	1 1/8" (29mm)
NW-400	1 1/2" (38mm)	3 1/2" (89mm)	2 1/2" (64mm)	3 1/2" (89mm)	3 1/4" (83mm)	2" (51mm)
NW-500	1 3/4" (44mm)	4 1/4" (108mm)	3" (76mm)	4 1/4" (108mm)	3 3/4" (95mm)	2 1/2" (64mm)
NW-600	2" (51mm)	5" (127mm)	3 1/2" (89mm)	5" (127mm)	4 1/2" (114mm)	3" (76mm)

FLEX SEAL WALL SYSTEM

The FS series is a neoprene foam seal that is fastened in place with a 2 part structural epoxy. The FS seal is very flexible so it can be continuously installed in concrete tread and riser applications to prevent leaks that could occur in products requiring multiple splices due to directional changes.



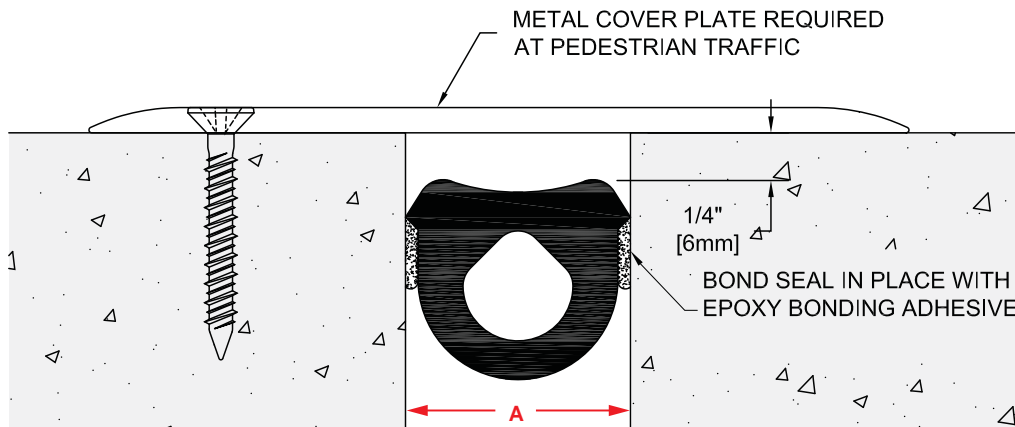
FS



FLEX SEAL FLOOR SYSTEM

FS

with metal cover



COLOR
OPTION



BLACK ONLY



FIRE RATED
SYSTEMS
AVAILABLE



PEDESTRIAN

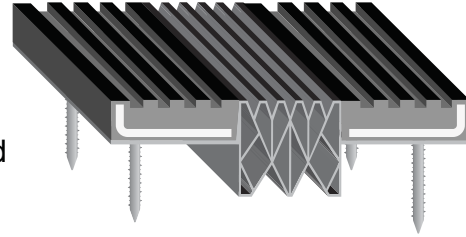
Load Data Sheet page 110

	INSTALL WIDTH	MINIMUM	MAXIMUM	MOVEMENT	SEAL SIZE
FS-100	13/16" (21mm)	7/16" (11mm)	1 1/4" (32mm)	13/16" (21mm)	1" (25mm)
FS-150	1 1/4" (32mm)	5/8" (16mm)	1 7/8" (48mm)	1 1/4" (32mm)	1 1/2" (38mm)
FS-200	1 5/8" (42mm)	7/8" (22mm)	2 1/2" (64mm)	1 5/8" (41mm)	2" (51mm)
FS-250	2" (51mm)	1 1/8" (29mm)	3 1/8" (79mm)	2" (51mm)	2 1/2" (64mm)
FS-300	2 7/16" (62mm)	1 3/8" (35mm)	3 3/4" (95mm)	2 3/8" (60mm)	3" (76mm)
FS-400	3 1/4" (83mm)	1 13/16" (46mm)	5" (127mm)	3 3/16" (81mm)	4" (102mm)

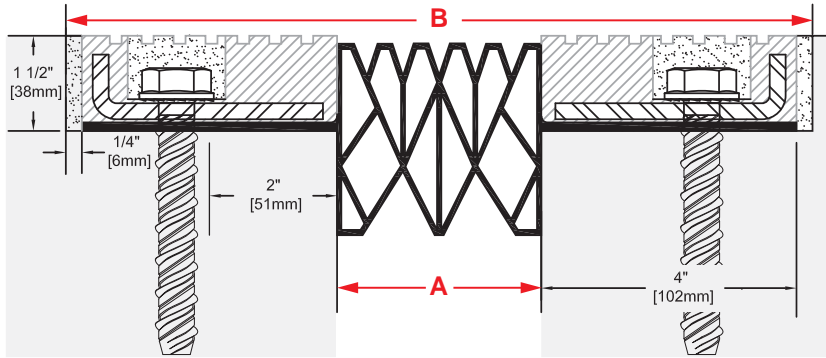
Elastomeric Heavy Duty & Topping Slab

RUBBER BLOCK SYSTEM

The RB series is an elastomeric cover system used for heavy-duty traffic such as snowplows or industrial equipment. The seal is fastened to the concrete with a rubber block that is reinforced with a steel angle and epoxy anchor. The RB is designed for automobile, industrial and pedestrian traffic.



RB



FIRE RATED SYSTEMS AVAILABLE

COLOR OPTION



BLACK ONLY



SLOW VEHICULAR

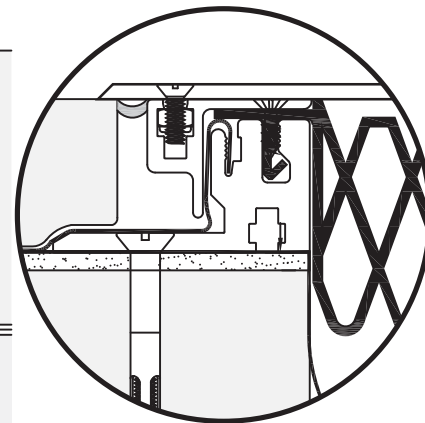
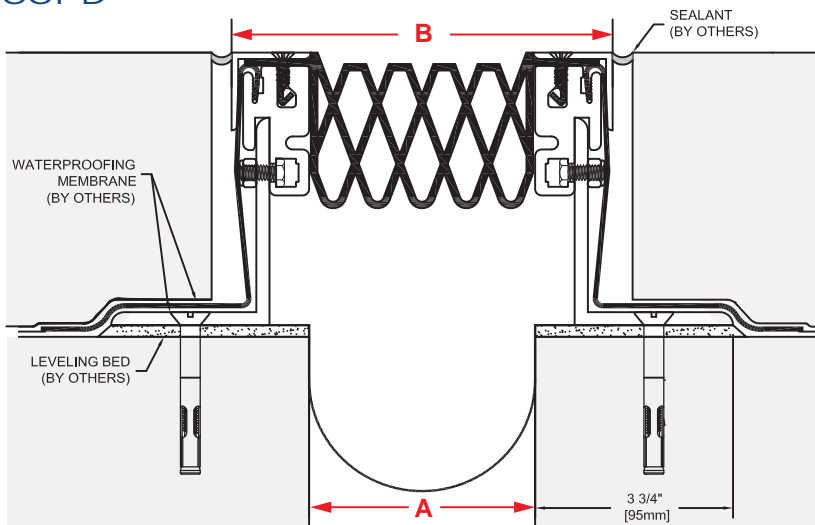
Load Data Sheet page 110

	NOMINAL JOINT DIMENSIONS			ACTUAL SEAL DIMENSIONS	TOTAL MOVEMENT
	A	MINIMUM	MAXIMUM	B	
RB-250	1 1/2" (38mm)	27/32" (21mm)	2 5/32" (55mm)	10" (254mm)	1 5/16" (33mm)
RB-400	2 1/2" (64mm)	1 1/4" (32mm)	3 3/4" (95mm)	11" (279mm)	2 1/2" (64mm)
RB-600	3 1/2" (90mm)	1 3/4" (44mm)	5 3/4" (146mm)	12 1/4" (311mm)	4" (102mm)

SPLIT SLAB SYSTEM

The SSPD series is designed for topping slab applications that have a structural slab base. The SSPD can accommodate many different depths to allow for topping slabs and pavers in plaza areas.

SSPD



OPTIONAL PEDESTRIAN COVER PLATE ASSEMBLY

COLOR OPTION



BLACK ONLY



FIRE RATED SYSTEMS AVAILABLE



PEDESTRIAN

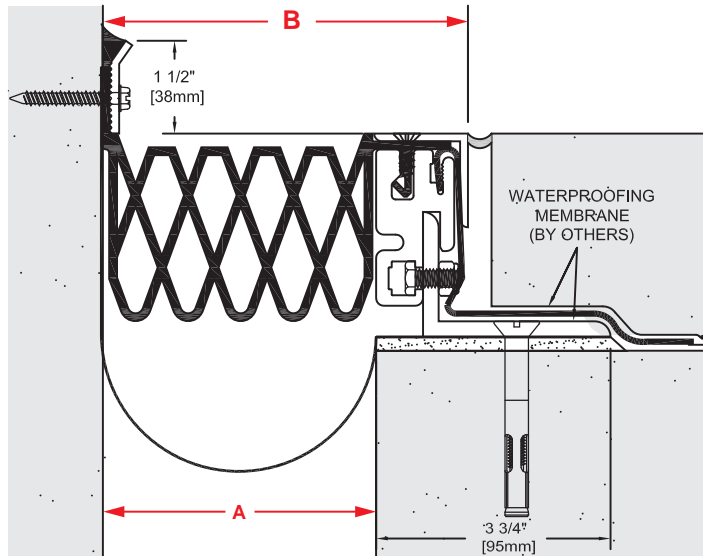
Load Data Sheet page 110

	NOMINAL JOINT DIMENSIONS				MOVEMENT
	A	MINIMUM	MAXIMUM	B	
SSPD-400	2 1/2" (64mm)	1 1/2" (38mm)	4" (102mm)	5 1/2" (140mm)	2 1/2" (64mm)
SSPD-400D	2 1/2" (64mm)	3/4" (83mm)	4" (102mm)	5 1/2" (140mm)	3 1/4" (83mm)
SSPD-600	3 1/2" (89mm)	2 1/8" (54mm)	6" (152mm)	6 1/2" (165mm)	3 7/8" (98mm)

SPLIT SLAB FLOOR TO WALL SYSTEM

The SSPDL series is designed for topping slab applications that have a structural slab base. The SSPDL can accommodate many different depths to allow for topping slabs and pavers in plaza areas.

SSPDL



COLOR OPTION



BLACK ONLY



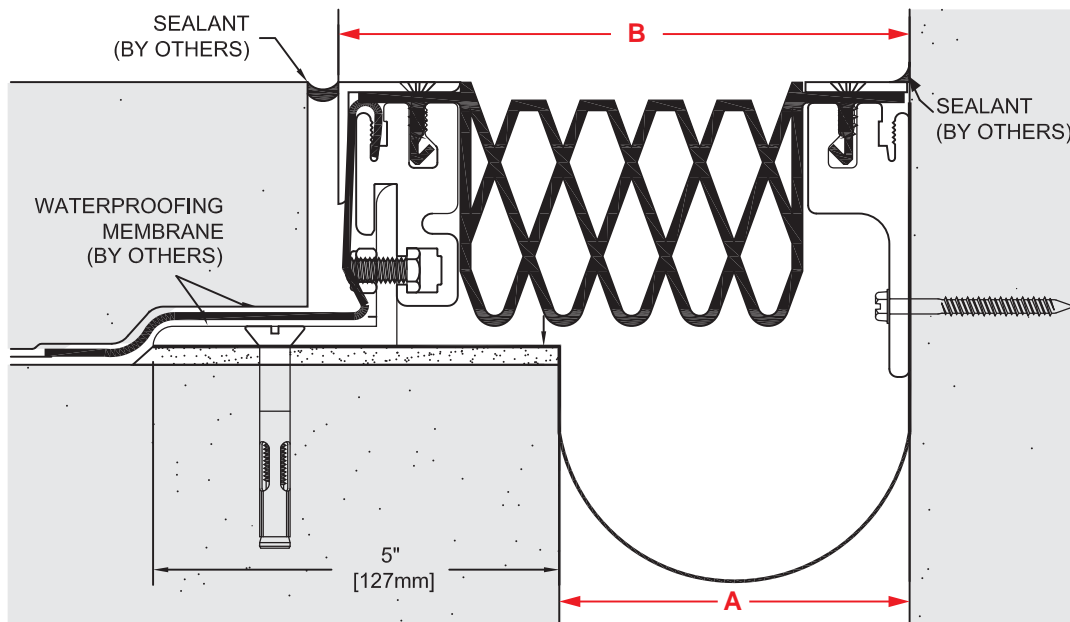
Load Data Sheet page 110

NOMINAL JOINT DIMENSIONS

	A	MINIMUM	MAXIMUM	B	MOVEMENT
SSPDL-400	2 1/2" (64mm)	1 1/2" (38mm)	4" (102mm)	4" (102mm)	2 1/2" (64mm)
SSPDL-400D	2 1/2" (64mm)	3/4" (83mm)	4" (102mm)	4" (102mm)	3 1/4" (83mm)
SSPDL-600	3 1/2" (89mm)	2 1/8" (54mm)	6" (152mm)	5" (127mm)	3 7/8" (98mm)

SPLIT SLAB NEW TO EXISTING SYSTEM

SSPDL-E



COLOR OPTION



BLACK ONLY



FIRE RATED SYSTEMS AVAILABLE

NOMINAL JOINT DIMENSIONS

	A	MINIMUM	MAXIMUM	B	MOVEMENT
SSPDL-400	2 1/2" (64mm)	3/4" (83mm)	4" (102mm)	4" (102mm)	3 1/4" (83mm)
SSPDL-400DE	2 1/2" (64mm)	3/4" (83mm)	4" (102mm)	4" (102mm)	3 1/4" (83mm)
SSPDL-600E	3 1/2" (89mm)	2 1/8" (54mm)	6" (152mm)	6 1/4" (159mm)	3 7/8" (98mm)

Architectural Floor Systems

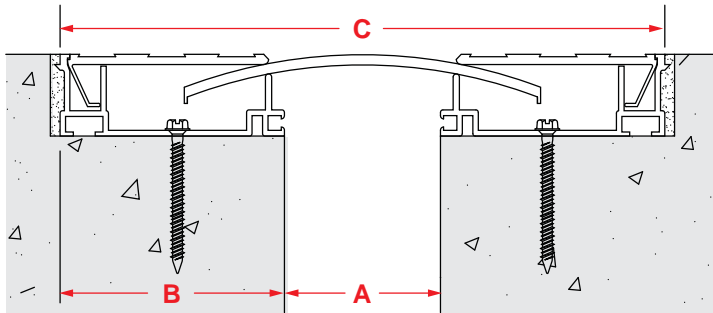
INTERIOR METAL FLOOR COVERS

6000 SERIES FLOOR COVERS



Load Data Sheet page 110

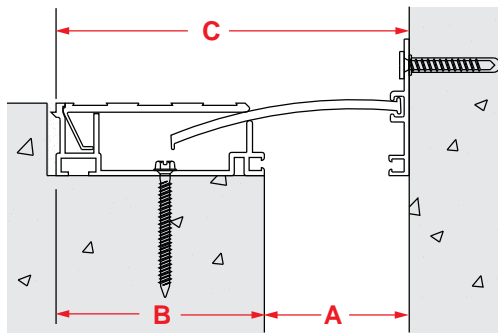
6FS



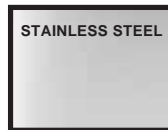
	DIMENSIONS		
	A	B	C
6FS-1-2	2" (51mm)	1 7/8" (48mm)	5 3/4" (146mm)
6FS-2-3	3" (76mm)	2 7/8" (73mm)	8 3/4" (222mm)
6FS-2-4	4" (102mm)	2 7/8" (105mm)	9 3/4" (248mm)
6FS-3-5	5" (127mm)	4 1/8" (105mm)	13 5/16" (337mm)
6FS-3-6	6" (152mm)	4 1/8" (105mm)	14 1/4" (363mm)
6FS-4-8	8" (203mm)	5 1/16" (129mm)	18 1/8" (460mm)

±50% Movement shown - ±100% Also available
Contact factory for larger joint sizes

6FVS



OPTIONAL
COVER PLATE
MATERIAL



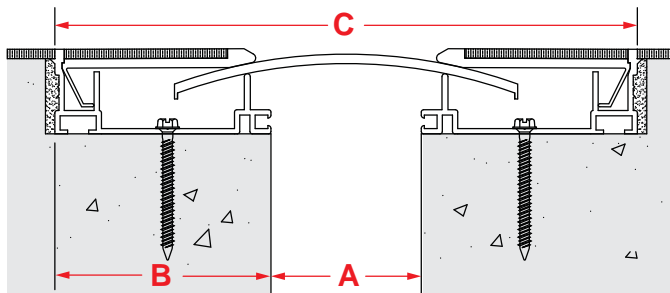
Base members are
aluminum extrusions.



	DIMENSIONS		
	A	B	C
6FVS-1-2	2" (51mm)	1 7/8" (48mm)	3 7/8" (98mm)
6FVS-2-3	3" (76mm)	2 7/8" (73mm)	5 7/8" (149mm)
6FVS-2-4	4" (102mm)	2 7/8" (73mm)	6 7/8" (175mm)
6FVS-3-6	6" (152mm)	4 3/16" (106mm)	10 3/16" (258mm)
6FVS-4-8	8" (203mm)	5 1/16" (129mm)	13 1/16" (332mm)

±50% Movement shown - ±100% Also available
Contact factory for larger joint sizes

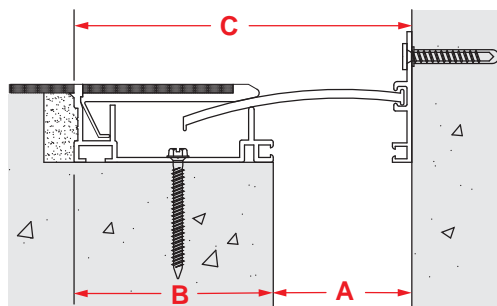
6FTP



	DIMENSIONS		
	A	B	C
6FTP-1-2	2" (51mm)	1 7/8" (48mm)	5 3/4" (146mm)
6FTP-2-3	3" (76mm)	2 7/8" (73mm)	8 3/4" (222mm)
6FTP-2-4	4" (102mm)	2 7/8" (73mm)	9 3/4" (248mm)
6FTP-3-6	6" (152mm)	4 1/8" (105mm)	14 5/16" (364mm)
6FTP-4-8	8" (203mm)	5 1/16" (129mm)	18 1/8" (460mm)

±50% Movement shown - ±100% Also available
Contact factory for larger joint sizes

6FVTP



OPTIONAL
COVER PLATE
MATERIAL



Base members are
aluminum extrusions.



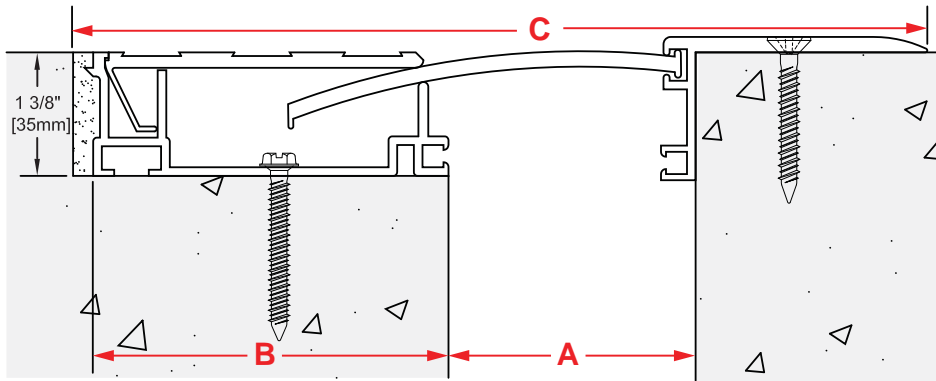
	DIMENSIONS		
	A	B	C
6FVTP-1-2	2" (51mm)	1 7/8" (48mm)	3 7/8" (98mm)
6FVTP-2-3	3" (76mm)	2 7/8" (73mm)	5 7/8" (149mm)
6FVTP-2-4	4" (102mm)	2 7/8" (73mm)	6 7/8" (175mm)
6FVTP-4-8	8" (203mm)	5 1/16" (129mm)	13 1/16" (332mm)

±50% Movement shown - ±100% Also available
Contact factory for larger joint sizes

NEW TO EXISTING

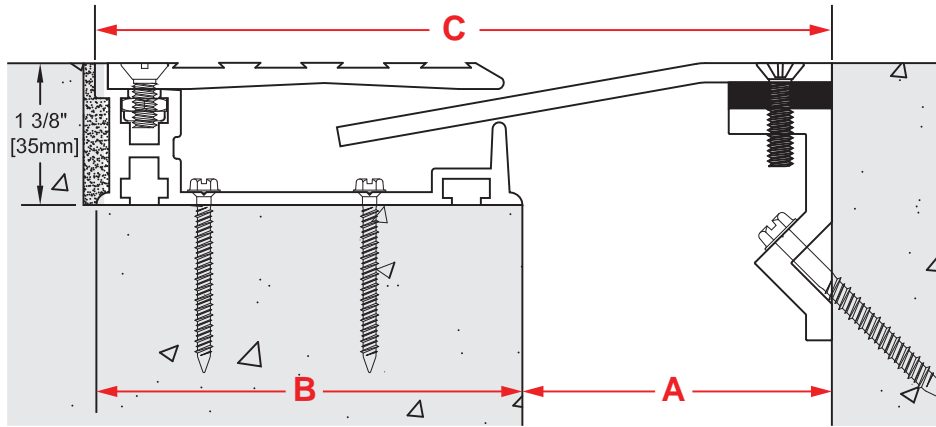
6FVS-E

1" TO 2" Joints



6FVS-E

3" and Up Joints



FIRE RATED
SYSTEMS
AVAILABLE

OPTIONAL COVER PLATE MATERIALS



Base members are
aluminum extrusions.

	DIMENSIONS		
	A	B	C
6FVS-1-2E	2" (51mm)	1 7/8" (48mm)	5 3/4" (146mm)
6FVS-2-3E	3" (76mm)	2 7/8" (73mm)	5 7/8" (149mm)
6FVS-2-4E	4" (102mm)	2 7/8" (73mm)	6 7/8" (175mm)
6FVS-3-6E	6" (152mm)	4 3/16" (106mm)	10 3/16" (258mm)
6FVS-4-8E	8" (203mm)	5 1/16" (128mm)	13 1/16" (331mm)

±50% Movement shown - ±100% Also available



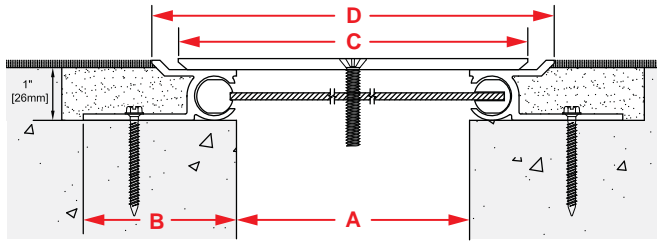
PEDESTRIAN

Load Data Sheet page 110

OPTIONAL COVER PLATES



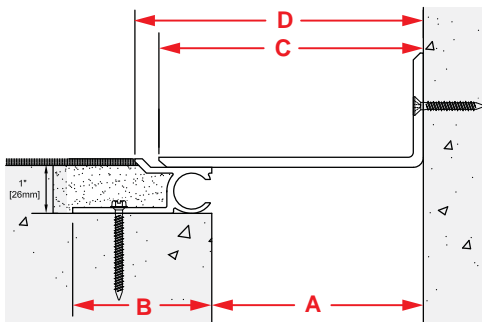
NO-BUMP FLOOR COVERS SB NBAF



	DIMENSIONS			
	A	B	C	D
NBAF-5-1	1" (25mm)	2 5/8" (67mm)	3" (76mm)	3 15/16" (100mm)
NBAF-1-2	2" (51mm)	2 5/8" (67mm)	4" (102mm)	4 15/16" (125mm)
NBAF-1.5-3	3" (76mm)	2 5/8" (67mm)	5" (127mm)	5 15/16" (151mm)
NBAF-2-4	4" (102mm)	2 5/8" (67mm)	6" (152mm)	6 15/16" (176mm)
NBAF-3-6	6" (152mm)	2 5/8" (67mm)	9" (229mm)	9 7/8" (251mm)

±50% Movement shown - ±100% Also available

SB NBAFL



OPTIONAL
COVER PLATE
MATERIALS



Base members are aluminum extrusions.

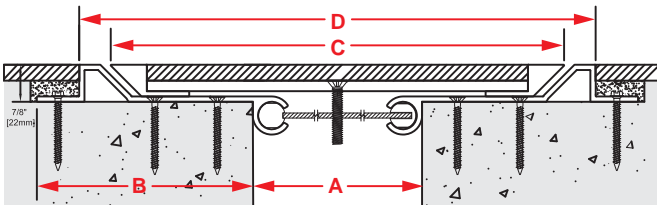
	DIMENSIONS			
	A	B	C	D
NBAFL-5-1	1" (25mm)	2 5/8" (67mm)	2" (51mm)	2 7/16" (62mm)
NBAFL-1-2	2" (51mm)	2 5/8" (67mm)	3" (76mm)	3 7/16" (87mm)
NBAFL-1.5-3	3" (76mm)	2 5/8" (67mm)	4" (102mm)	4 7/16" (113mm)
NBAFL-2-4	4" (102mm)	2 5/8" (67mm)	5" (127mm)	5 7/16" (138mm)
NBAFL-3-6	6" (152mm)	2 5/8" (67mm)	7 1/2" (191mm)	7 15/16" (202mm)

±50% Movement shown - ±100% Also available



FIRE RATED
SYSTEMS
AVAILABLE

NBR

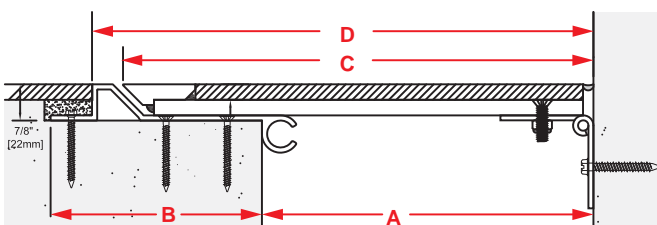


Available in recess depths of: 1/8", 3/16", 3/8"
Contact factory for details.

	DIMENSIONS			
	A	B	C	D
NBR-3-6	6" (152mm)	5 1/8" (130mm)	12 11/16" (323mm)	14 3/16" (361mm)
NBR-4-8	8" (203mm)	5 1/8" (130mm)	14 11/16" (373mm)	16 3/16" (411mm)
NBR-5-10	10" (254mm)	5 1/8" (130mm)	16 11/16" (424mm)	18 3/16" (462mm)
NBR-6-12	12" (305mm)	5 5/8" (142mm)	19 11/16" (501mm)	21 3/16" (538mm)

±50% Movement shown - ±100% Also available

NBRL



Available in recess depths of: 1/8", 3/16", 3/8"
Contact factory for details.

	DIMENSIONS			
	A	B	C	D
NBRL-3-6	6" (152mm)	5 1/8" (130mm)	9 3/8" (238mm)	10 1/8" (257mm)
NBRL-4-8	8" (203mm)	5 1/8" (130mm)	11 3/8" (288mm)	12 1/8" (307mm)
NBRL-5-10	10" (254mm)	5 1/8" (130mm)	13 3/8" (339mm)	14 1/8" (358mm)
NBRL-6-12	12" (305mm)	5 5/8" (142mm)	15 7/8" (403mm)	16 5/8" (422mm)

±50% Movement Shown - ±100% Also available



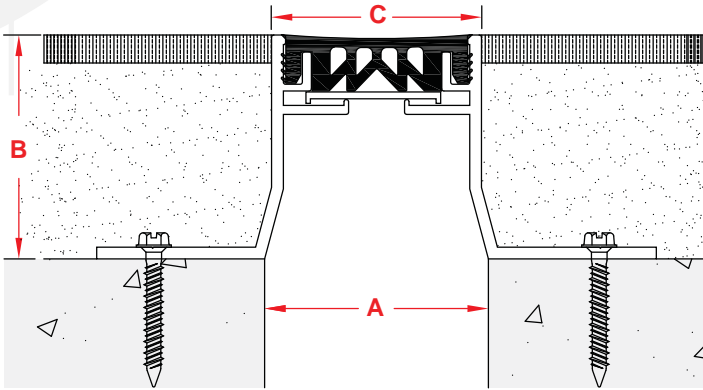
Load Data Sheet page 110



FIRE RATED
SYSTEMS
AVAILABLE

7500 ELASTOMERIC FLOOR COVERS

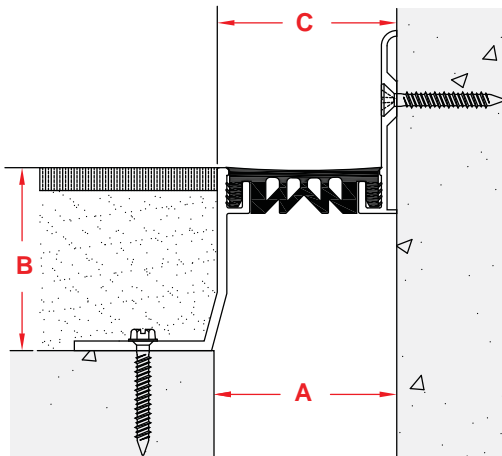
75FP



	DIMENSIONS		
	A	B	C
75FP-1x1	1" (25mm)	1" (25mm)	1 1/16" (27mm)
75FP-1x1 1/2	1" (25mm)	1 1/2" (38mm)	1 1/16" (27mm)
75FP-1x2	1" (25mm)	2" (51mm)	1 1/16" (27mm)
75FP-2x1	2" (51mm)	1" (25mm)	1 7/8" (48mm)
75FP-2x1 1/2	2" (51mm)	1 1/2" (38mm)	1 7/8" (48mm)
75FP-2x2	2" (51mm)	2" (51mm)	1 7/8" (48mm)

Only ±25% movement available

75FVP



COLOR OPTIONS

Santoprene



Black Gray



Tan Bronze

	DIMENSIONS		
	A	B	C
75FVP-1x1	1" (25mm)	1" (25mm)	1" (25mm)
75FVP-1x1 1/2	1" (25mm)	1 1/2" (38mm)	1 1/16" (27mm)
75FVP-1x2	1" (25mm)	2" (51mm)	1 1/16" (27mm)
75FVP-2x1	2" (51mm)	1" (25mm)	1 15/16" (49mm)
75FVP-2x1 1/2	2" (51mm)	1 1/2" (38mm)	1 15/16" (49mm)
75FVP-2x2	2" (51mm)	2" (51mm)	1 15/16" (49mm)

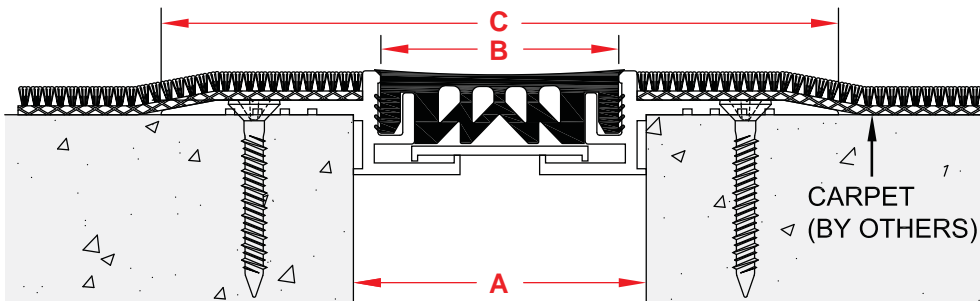
Only ±25% movement available



PEDESTRIAN

Load Data Sheet page 110

75FCE



COLOR OPTIONS

Santoprene



Black Gray

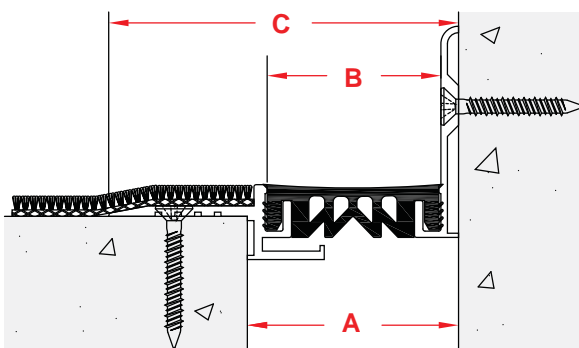


Tan Bronze

	DIMENSIONS		
	A	B	C
75FCE-1	1" (25mm)	13/16" (21mm)	3 5/8" (92mm)
75FCE-2	2" (51mm)	1 5/8" (41mm)	4 5/8" (117mm)

Only ±25% movement available

75FVCE



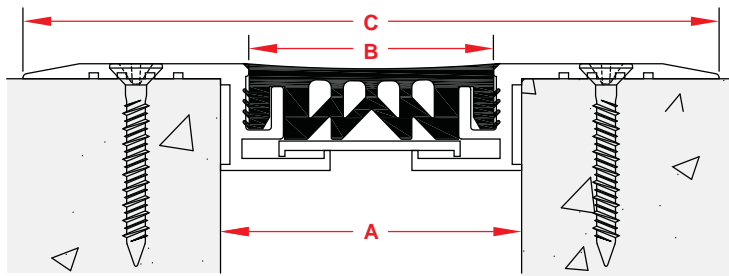
PEDESTRIAN

Load Data Sheet page 110

	DIMENSIONS		
	A	B	C
75FVCE-1	1" (25mm)	13/16" (21mm)	2 5/16" (59mm)
75FVCE-2	2" (51mm)	1" (25mm)	3 5/16" (84mm)

Only ±25% movement available

75FPE



PEDESTRIAN

Load Data Sheet page 110

DIMENSIONS

	A	B	C
75FPE-1	1" (25mm)	13/16" (21mm)	3 13/16" (97mm)
75FPE-2	2" (51mm)	1 5/8" (41mm)	4 5/8" (117mm)

Only ±25% movement available

DIMENSIONS

	A	B	C
75FVPE-1	1" (25mm)	13/16" (21mm)	2 3/8" (60mm)
75FVPE-2	2" (51mm)	1 5/8" (41mm)	3 5/16" (84mm)

Only ±25% movement available

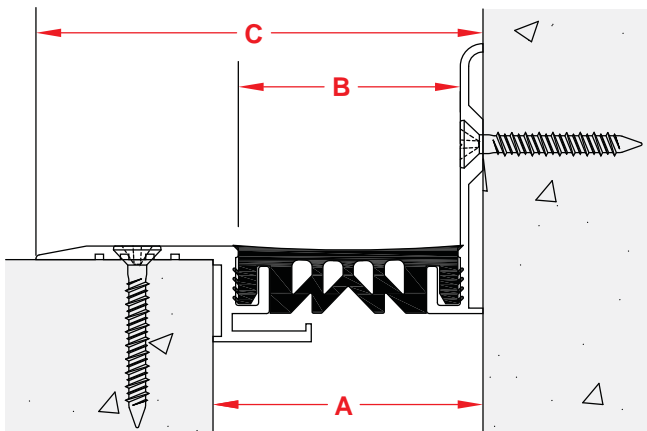
COLOR OPTIONS

Santoprene

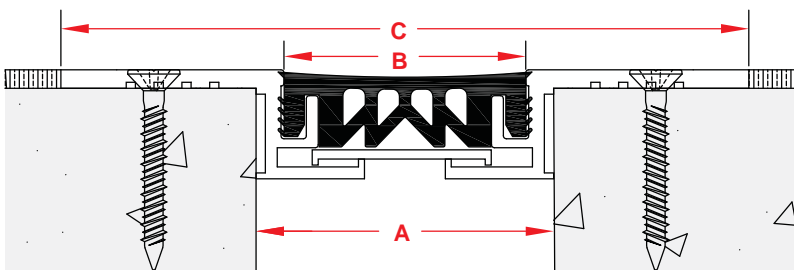


Black Gray Tan Bronze

75FVPE



75FTE



PEDESTRIAN

Load Data Sheet page 110

DIMENSIONS

	A	B	C
75FTE-1	1" (25mm)	13/16" (21mm)	3 13/16" (97mm)
75FTE-2	2" (51mm)	1 5/8" (41mm)	4 5/8" (117mm)

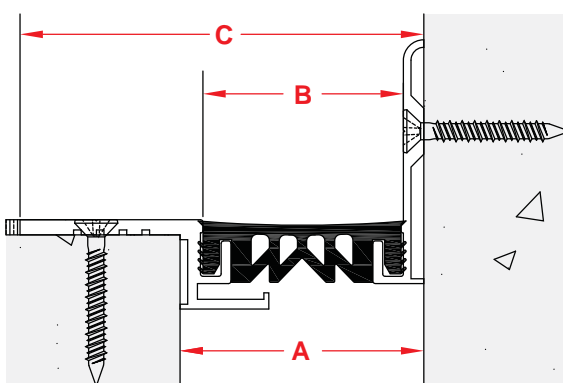
Only ±25% movement available

DIMENSIONS

	A	B	C
75FVTE-1	1" (25mm)	13/16" (21mm)	2 3/8" (60mm)
75FVTE-2	2" (51mm)	1 5/8" (41mm)	3 5/16" (84mm)

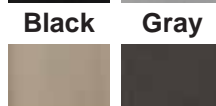
Only ±25% movement available

75FVTE



COLOR OPTIONS

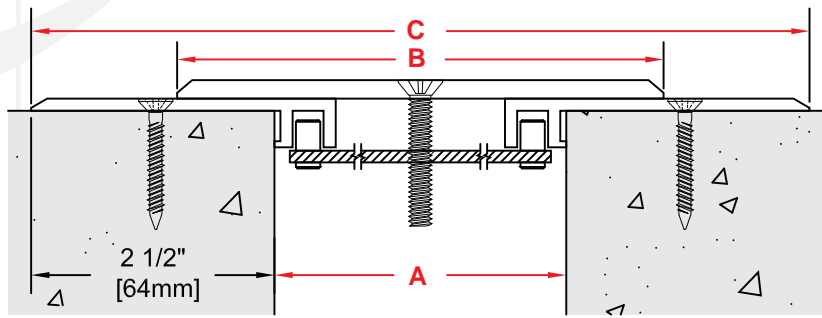
Santoprene



**Black Gray
Tan Bronze**

SURFACE MOUNTED FLOOR COVERS

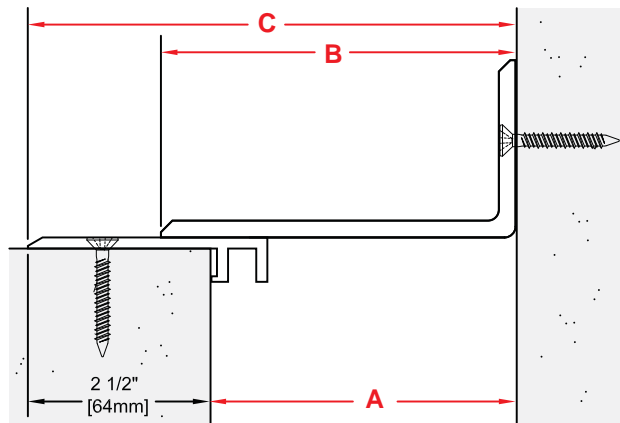
EXBF



	DIMENSIONS		
	A	B	C
EXBF-1-2	2" (51mm)	4" (102mm)	7" (178mm)
EXBF-1.5-3	3" (76mm)	5" (127mm)	10 3/8" (264mm)
EXBF-2-4	4" (102mm)	6" (152mm)	9" (229mm)
EXBF-3-6	6" (152mm)	8" (203mm)	11" (279mm)

±50% movement shown, ±100% movement available

EXBFL



	DIMENSIONS		
	A	B	C
EXBFL-1-2	2" (51mm)	3" (76mm)	4 1/2" (114mm)
EXBFL-1.5-3	3" (76mm)	4" (102mm)	5 1/2" (140mm)
EXBFL-2-4	4" (102mm)	5" (127mm)	6 1/2" (165mm)
EXBFL-3-6	6" (152mm)	7" (178mm)	8 1/2" (216mm)

±50% movement shown, ±100% movement available

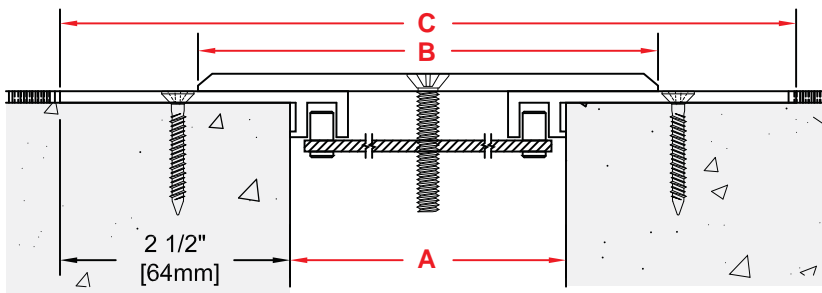


PEDESTRIAN
Load Data Sheet page 110

COVER PLATE MATERIAL

ALUMINUM

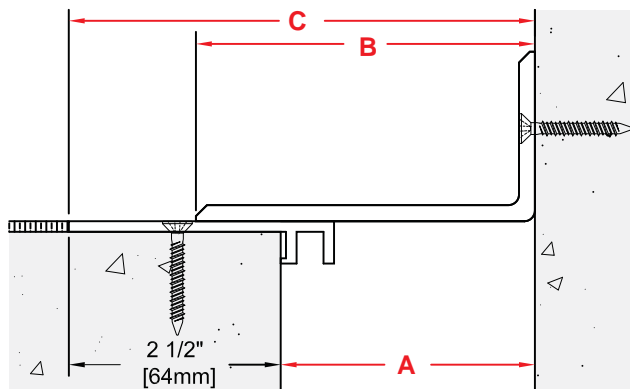
EXF



	DIMENSIONS		
	A	B	C
EXF-1-2	2" (51mm)	4" (102mm)	7" (178mm)
EXF-1.5-3	3" (76mm)	5" (127mm)	10 3/8" (264mm)
EXF-2-4	4" (102mm)	6" (152mm)	9" (229mm)
EXF-3-6	6" (152mm)	8" (203mm)	11" (279mm)

±50% movement shown, ±100% movement available

EXFL A



	DIMENSIONS		
	A	B	C
EXFL-1-2	2" (51mm)	3" (76mm)	4 1/2" (114mm)
EXFL-1.53	3" (76mm)	4" (102mm)	5 1/2" (140mm)
EXFL-2-4	4" (102mm)	5" (127mm)	6 1/2" (165mm)
EXFL-3-6	6" (152mm)	7" (178mm)	8 1/2" (216mm)

±50% movement shown, ±100% movement available



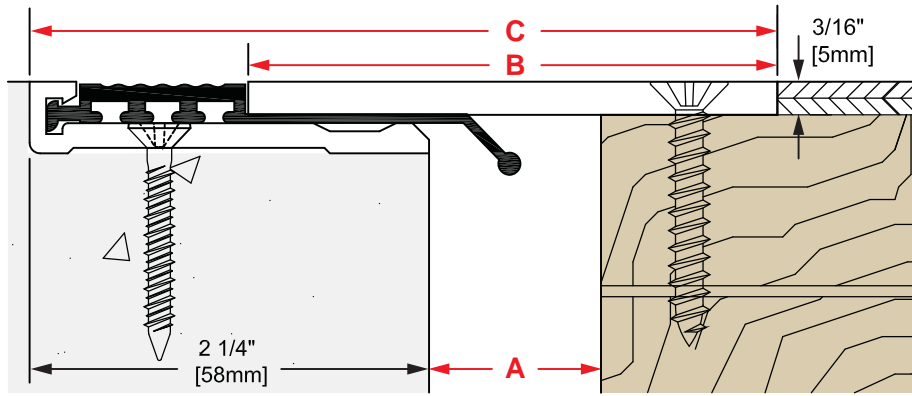
PEDESTRIAN
Load Data Sheet page 110

COVER PLATE MATERIAL

ALUMINUM

RECESSED GYMNASIUM FLOOR COVERS

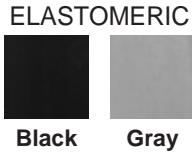
1120/1420



INTERIOR APPLICATIONS ONLY



OPTIONAL COLORS

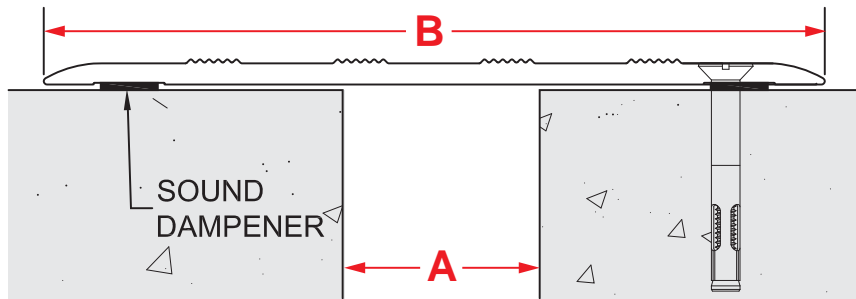


	DIMENSIONS		
	A	B	C
1120	1" (25mm)	3" (76mm)	4 1/4" (108mm)
1420	2" (51mm)	4" (102mm)	5 1/4" (133mm)

Only ±50% movement available

SURFACE COVER PLATES

RPA

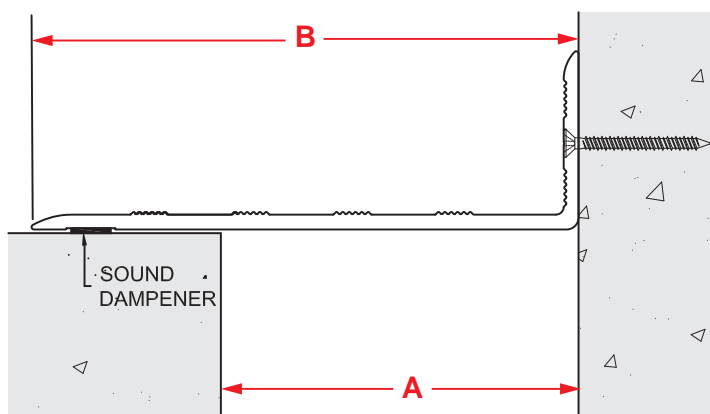


Load Data Sheet page 110

	DIMENSIONS	
	A	B
RPA-1-2	2" (51mm)	7" (178mm)
RPA-2-4	4" (102mm)	9" (229mm)
RPA-2.5-5	5" (152mm)	12" (305mm)
RPA-3-6	6" (152mm)	12" (305mm)

±50% movement

RPAL



	DIMENSIONS	
	A	B
RPAL-1-2	2" (51mm)	4 1/2" (114mm)
RPAL-2-4	4" (102mm)	6 1/2" (165mm)
RPAL-2.5-5	5" (152mm)	9 1/2" (241mm)
RPAL-3-6	6" (152mm)	9 1/2" (241mm)

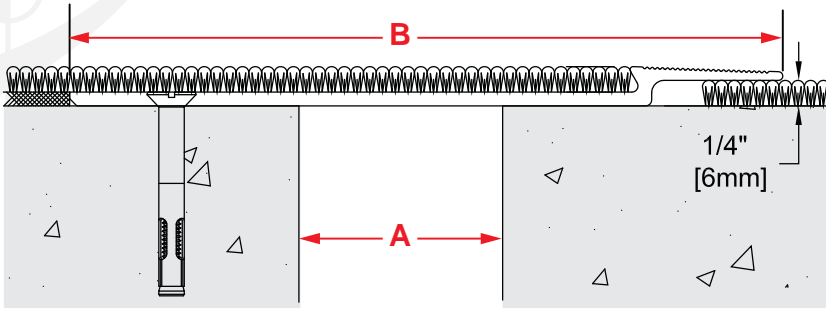
±50% movement

COVER PLATE MATERIAL



Load Data Sheet page 110

BCP-2-250



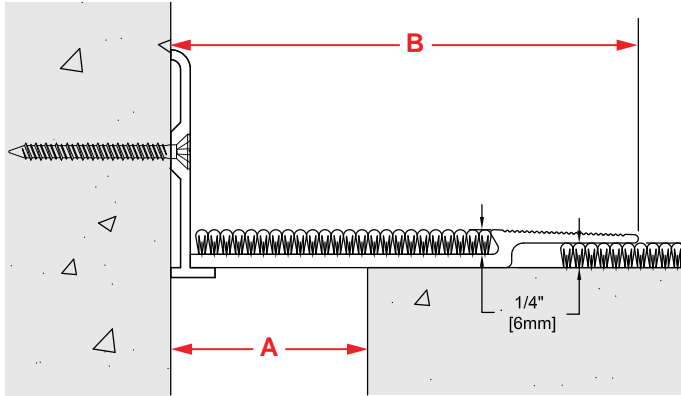
	DIMENSIONS	
	A	B
BCP-2-250	2" (51mm)	7" (178mm)

Only ±50% movement available

	DIMENSIONS	
	A	B
BCPL-2-250	2" (51mm)	4 3/4" (121mm)

Only ±50% movement available

BCPL-2-250



FIRE RATED
SYSTEMS
AVAILABLE

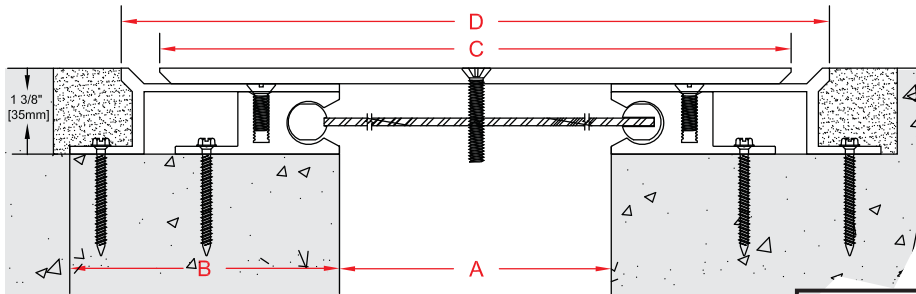
COVER PLATE MATERIAL



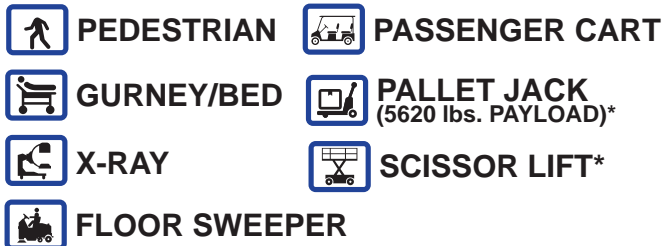
Load Data Sheet page 110

EXTRA-HEAVY DUTY FLOOR COVERS

HDNB



FIRE RATED
SYSTEMS
AVAILABLE

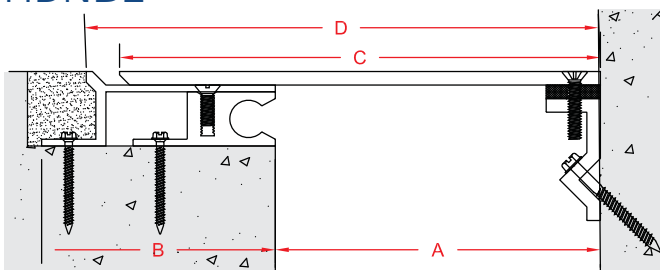


	DIMENSIONS			
	A	B	C	D
HDNB-2-4	4" (102mm)	3 13/16" (97mm)	8 3/4" (222mm)	10" (253mm)
HDNB-2.5-5	5" (127mm)	4" (102mm)	10 1/8" (257mm)	11 3/8" (288mm)
HDNB-3-6	6" (152mm)	4 1/4" (108mm)	11 5/8" (295mm)	12 7/8" (326mm)
HDNB-4-8	8" (203mm)	4 3/4" (121mm)	14 5/8" (371mm)	15 7/8" (403mm)

Only ±50% movement available

HDNBL

*Excludes joints over 6" (152mm)
Load Data Sheet page 110



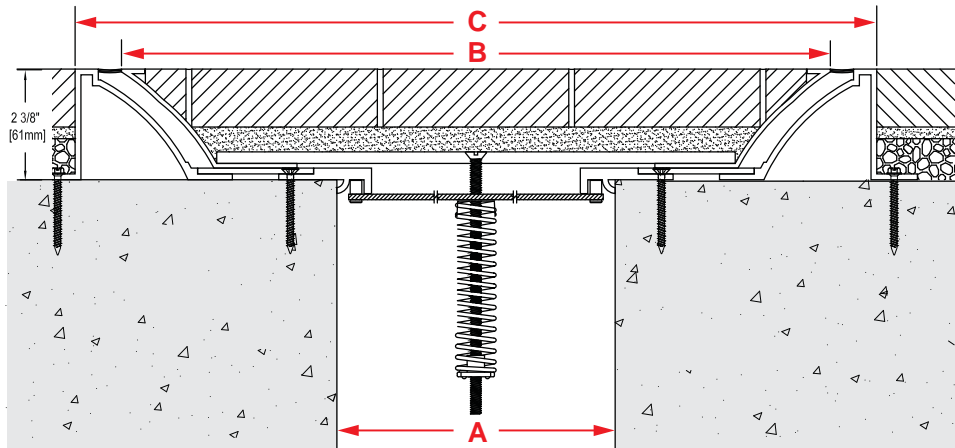
	DIMENSIONS			
	A	B	C	D
HDNBL-2-4	4" (102mm)	3 13/16" (97mm)	6 3/8" (162mm)	7" (178mm)
HDNBL-2.5-5	5" (127mm)	4" (102mm)	7 9/16" (192mm)	8 3/16" (208mm)
HDNBL-3-6	6" (152mm)	4 1/4" (108mm)	8 13/16" (224mm)	9 7/16" (239mm)
HDNBL-4-8	8" (203mm)	4 3/4" (121mm)	11 5/16" (287mm)	11 15/16" (303mm)

Only ±50% movement available

SEISMIC FLOOR COVERS

PS

PAVER RECESS

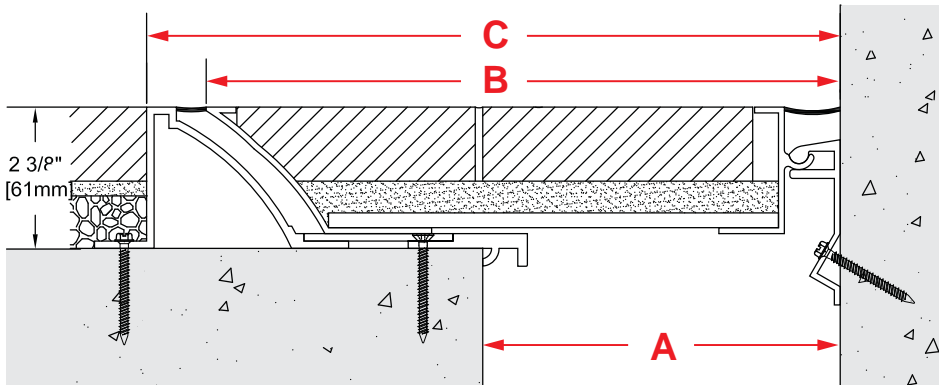


	DIMENSIONS		
	A	B	C
PS-3-6	6" (152mm)	13 3/4" (349mm)	15 1/4" (387mm)
PS-3.5-7	7" (178mm)	14 3/4" (375mm)	16 1/4" (414mm)
PS-4-8	8" (203mm)	15 3/4" (400mm)	17 1/4" (438mm)
PS-5-10	10" (254mm)	18 3/4" (476mm)	20 1/4" (515mm)
PS-6-12	12" (305mm)	21 3/4" (542mm)	23 1/4" (591mm)
PS-7-14	14" (356mm)	24 3/4" (628mm)	26 1/4" (668mm)

±50% movement shown, ±100% movement available

PSL

PAVER RECESS



COVER PLATE MATERIAL

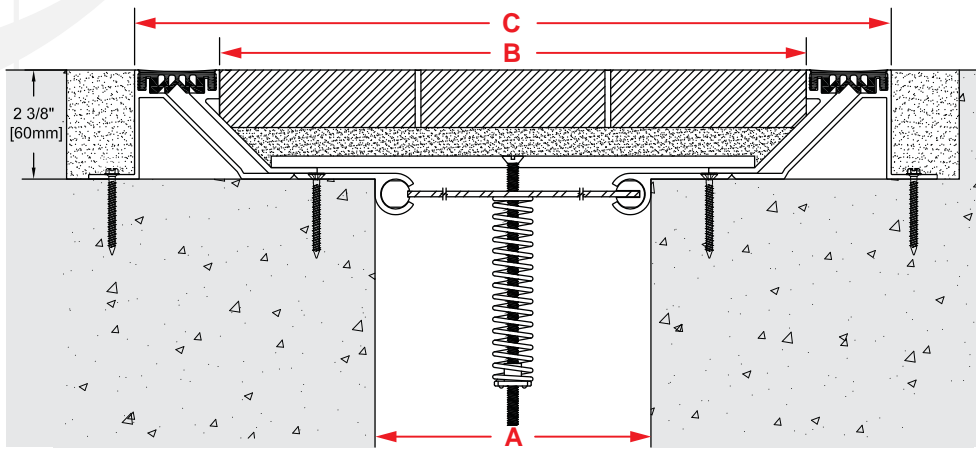


	DIMENSIONS		
	A	B	C
PSL-3-6	6" (152mm)	9 5/8" (245mm)	10 5/8" (270mm)
PSL-4-8	8" (203mm)	11 5/8" (295mm)	12 5/8" (321mm)
PSL-5-10	10" (254mm)	14 1/8" (359mm)	15 1/8" (385mm)
PSL-7.5-15	15" (381mm)	20 3/8" (518mm)	21 3/8" (543mm)

±50% movement shown, ±100% movement available

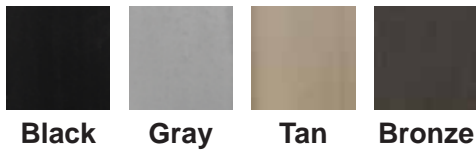
PSF

PAVER RECESS WITH FILLER STRIP



FIRE RATED SYSTEMS AVAILABLE

OPTIONAL COLORS SANTOPRENE



	DIMENSIONS		
	A	B	C
PSF-2-4	4" (102mm)	10 3/4" (273mm)	14 1/2" (368mm)
PSF-3-6	6" (152mm)	12 11/16" (323mm)	16 1/2" (418mm)
PSF-4-8	8" (203mm)	14 3/4" (374mm)	18 1/2" (469mm)

±50% movement shown – ±100% movement available
Larger joint sizes available.

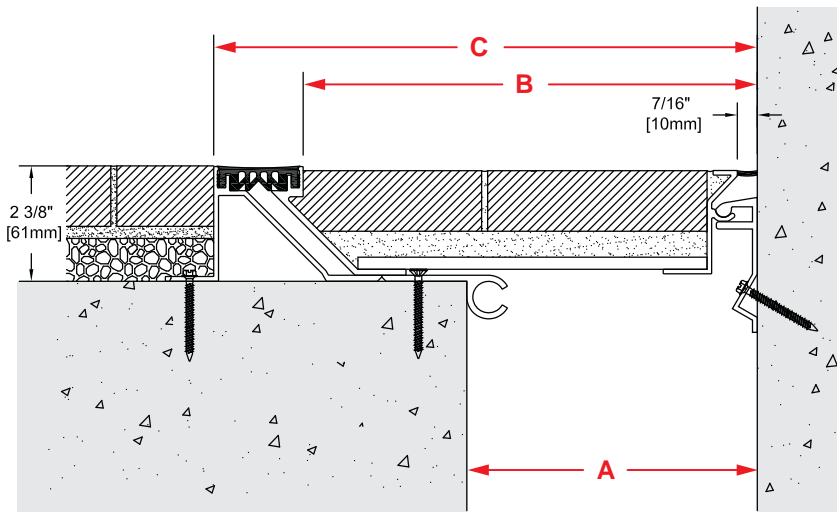
PSFL

PAVER RECESS WITH FILLER STRIP



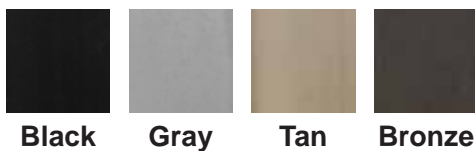
PEDESTRIAN

Load Data Sheet page 110



FIRE RATED SYSTEMS AVAILABLE

OPTIONAL COLORS SANTOPRENE



	DIMENSIONS		
	A	B	C
PSFL-4-8	8" (203mm)	11 3/8" (289mm)	13 1/4" (336mm)
PSFL-6-12	12" (305mm)	15 7/8" (403mm)	17 3/4" (450mm)
PSFL-8-16	16" (406mm)	19 7/8" (505mm)	22 3/4" (577mm)

±50% movement shown – ±100% movement available
Larger joint sizes available.

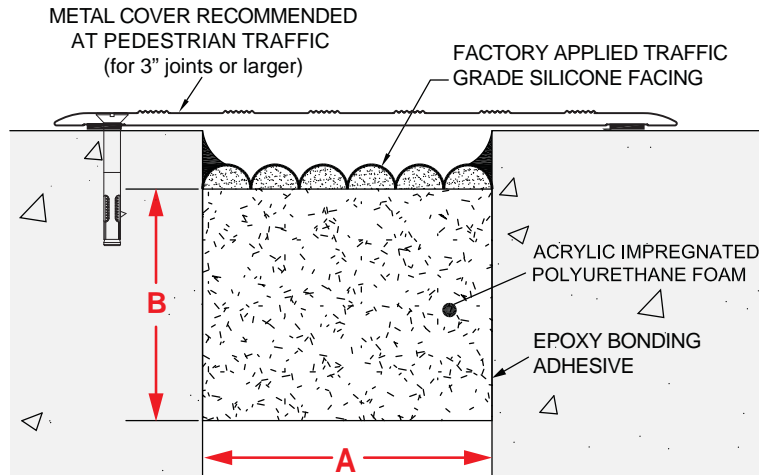
FOAM SEAL SYSTEMS

FLOOR FOAM SEAL

BCSF-SL

Pre-Compressed

The BCSF-SL is a pre-compressed open cell foam seal designed for floor installations. It is supplied with a traffic grade silicone facing.



	DIMENSIONS	
	A	B
BCSF-SL-050	1/2" (13mm)	1 1/2" (38mm)
BCSF-SL-100	1" (25mm)	2" (51mm)
BCSF-SL-150	1 1/2" (38mm)	2" (51mm)
BCSF-SL-200	2" (51mm)	3" (76mm)
BCSF-SL-300	3" (76mm)	3" (76mm)
BCSF-SL-400	4" (102mm)	4" (102mm)
BCSF-SL-500	5" (127mm)	4" (102mm)
BCSF-SL-600	6" (152mm)	4" (102mm)

Only ±50% movement available

COLOR
OPTION



GRAY ONLY



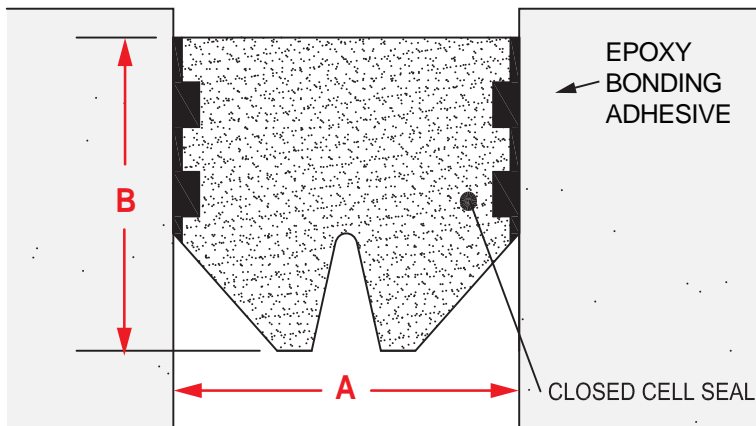
FIRE RATED
SYSTEMS
AVAILABLE

FLOOR/WALL FOAM SEAL

BHFE

Non Pre-Compressed

The BHFE is a non-compressed close cell foam seal without silicone facing designed for use as a secondary seal in both horizontal and vertical applications. Can also be used in below grade conditions as a secondary waterproofing.



	DIMENSIONS	
	A	B
BHFE-050	1/2" (13mm)	1" (25mm)
BHFE-100	1" (25mm)	2" (51mm)
BHFE-150	1 1/2" (38mm)	2" (51mm)
BHFE-200	2" (51mm)	2" (51mm)
BHFE-300	3" (76mm)	2" (51mm)
BHFE-400	4" (102mm)	3" (76mm)

Only ±25% movement available

COLOR
OPTION



GRAY ONLY



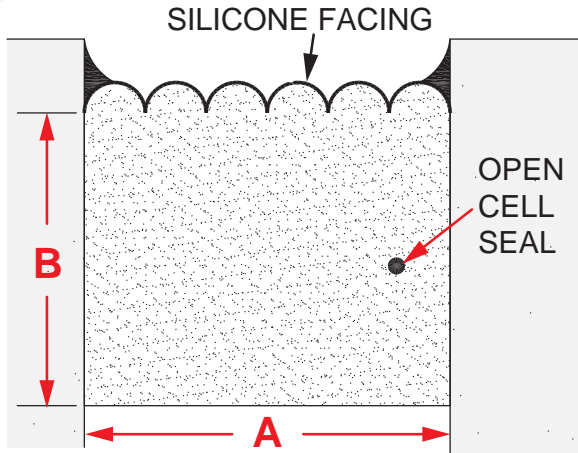
FIRE RATED
SYSTEMS
AVAILABLE

WALL FOAM SEAL

BCSW

Pre-Compressed

The BCSW is a pre-compressed open cell foam seal with a factory applied silicone facing designed as a primary seal in vertical wall applications.



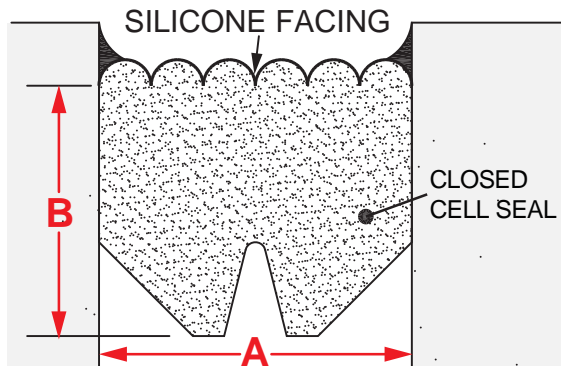
	DIMENSIONS	
	A	B
BCSW-100	1" (25mm)	1 1/2" (38mm)
BCSW-150	1 1/2" (38mm)	2" (51mm)
BCSW-200	2" (51mm)	2" (51mm)
BCSW-300	3" (76mm)	3" (64mm)
BCSW-400	4" (102mm)	3" (64mm)
BCSW-500	5" (127mm)	3" (64mm)
BCSW-600	6" (152mm)	4" (102mm)
BCSW-700	7" (178mm)	4" (102mm)
BCSW-800	8" (203mm)	4" (102mm)

Only ±50% movement available

BCSWE

Non Pre-Compressed

The BCSWE is a non-compressed closed cell foam seal with a factory applied silicone facing designed as a more economical solution for projects requiring 25% movement.

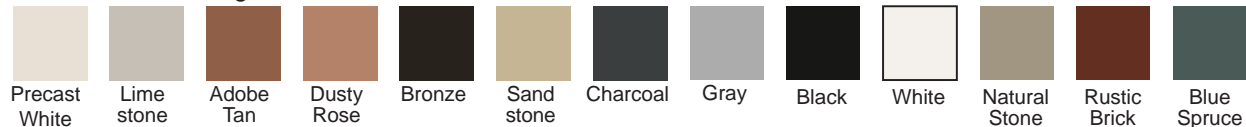


	DIMENSIONS	
	A	B
BCSWE-100	1" (25mm)	1" (25mm)
BCSWE-150	1 1/2" (38mm)	2" (51mm)
BCSWE-200	2" (51mm)	2" (51mm)
BCSWE-300	3" (76mm)	2 1/2" (64mm)
BCSWE-400	4" (102mm)	2 1/2" (64mm)
BCSWE-500	5" (127mm)	4" (102mm)
BCSWE-600	6" (152mm)	4" (102mm)

Only ±25% movement available

OPTIONAL COLORS FOR BCSW & BCSWE

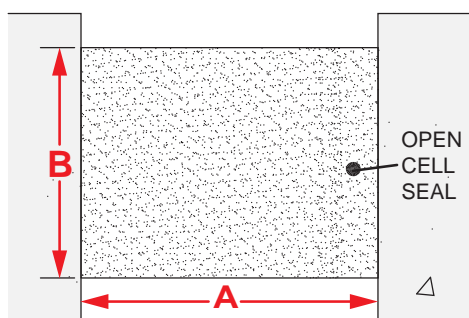
Silicone Dow Corning® 790 Standard Colors



BBSW

Pre-Compressed

The BBSW is a pre-compressed open cell foam seal without silicone facing designed as a secondary seal for vertical wall applications.

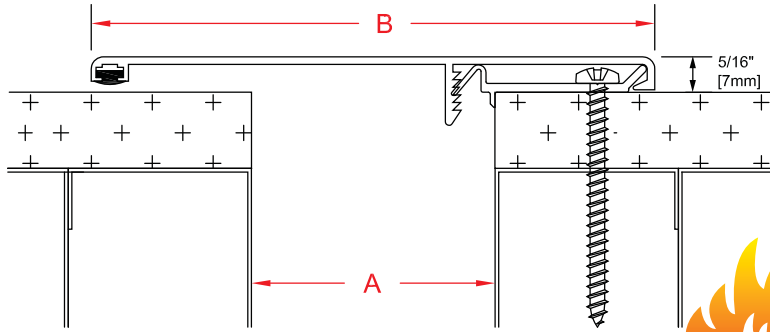


	DIMENSIONS	
	A	B
BBSW-100	1" (25mm)	1 1/2" (38mm)
BBSW-150	1 1/2" (38mm)	2" (51mm)
BBSW-200	2" (51mm)	2" (51mm)
BBSW-300	3" (76mm)	3" (64mm)
BBSW-400	4" (102mm)	3" (64mm)

Only ±50% movement available

SURFACE MOUNTED WALL AND CEILING JOINTS

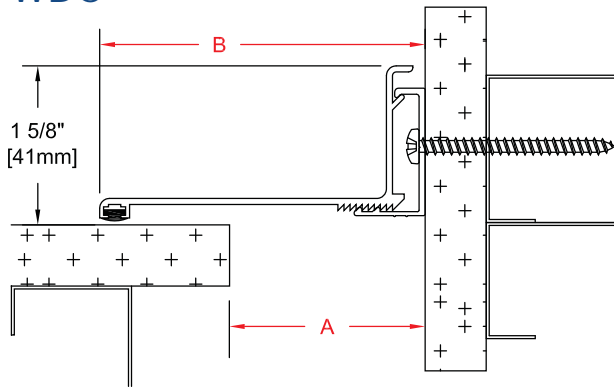
WD



	DIMENSIONS	
	A	B
WD-1	1" (25mm)	3 1/8" (79mm)
WD-2	2" (51mm)	4 5/8" (117mm)
WD-3	3" (76mm)	6 1/8" (156mm)
WD-4	4" (102mm)	7 5/8" (194mm)

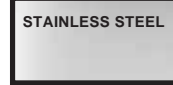
±50% movement only

WDC



FIRE RATED SYSTEMS AVAILABLE

OPTIONAL LAMINATES

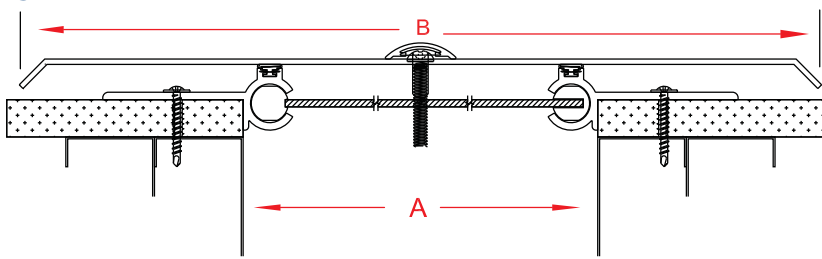


Base members are aluminum extrusions.

	DIMENSIONS	
	A	B
WDC-1	1" (25mm)	1 13/16" (46mm)
WDC-2	2" (51mm)	3 5/16" (84mm)
WDC-3	3" (76mm)	4 13/16" (123mm)
WDC-4	4" (102mm)	6 3/8" (161mm)

±50% movement only

CM



OPTIONAL COVER PLATE MATERIALS



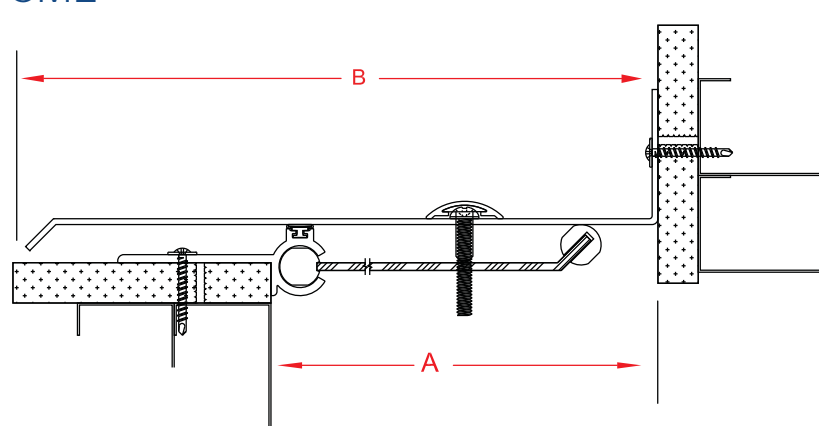
Base members are aluminum extrusions.

FIRE RATED SYSTEMS AVAILABLE

	DIMENSIONS	
	A	B
CM-2-4	4" (102mm)	6 5/8" (244mm)
CM-2.5-5	5" (127mm)	11 5/8" (295mm)
CM-3-6	6" (152mm)	13 5/8" (346mm)
CM-3.5-7	7" (178mm)	15 5/8" (397mm)
CM-4-8	8" (203mm)	17 5/8" (448mm)
CM-5-10	10" (254mm)	21 5/8" (549mm)
CM-6-12	12" (305mm)	25 5/8" (651mm)

±50% Movement shown - ±100% Movement available
Contact factory for larger joint sizes

CML

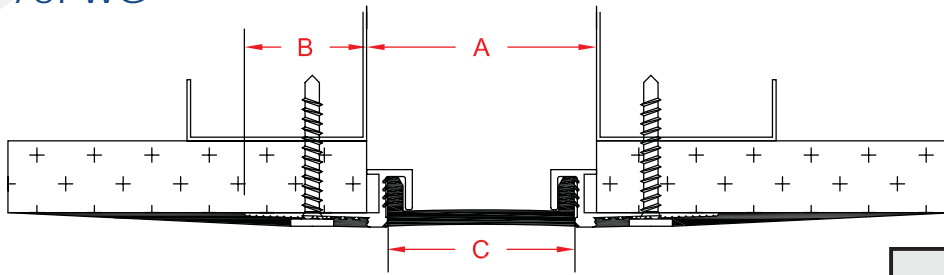


	DIMENSIONS	
	A	B
CML-4	4" (102mm)	6 13/16" (173mm)
CML-5	5" (127mm)	8 5/16" (211mm)
CML-6	6" (152mm)	9 13/16" (249mm)
CML-7	7" (178mm)	11 5/16" (287mm)
CML-8	8" (203mm)	12 13/16" (325mm)
CML-10	10" (254mm)	15 13/16" (402mm)
CML-12	12" (305mm)	18 13/16" (478mm)

±100% Movement shown - ±50% Movement available
Contact factory for larger joint sizes

GYPSUM BOARD WALL AND CEILING COVERS

75FWG



DIMENSIONS

	A	B	C
75FWG-1	1" (25mm)	1 3/16" (30mm)	13/16" (21mm)
75FWG-2	2" (51mm)	1 1/16" (27mm)	1 5/8" (41mm)

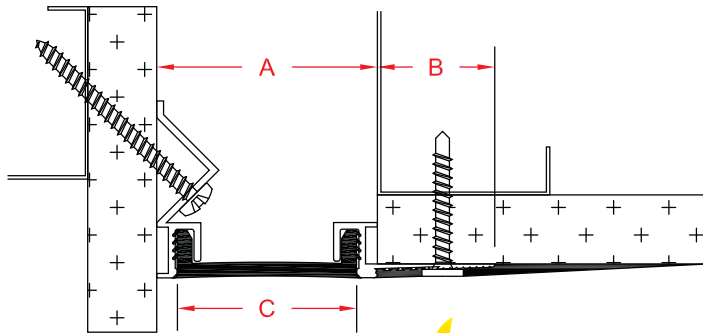
±25% Movement only

DIMENSIONS

	A	B	C
75FWGC-1	1" (25mm)	1 3/16" (30mm)	13/16" (21mm)
75FWGC-2	2" (51mm)	1 1/16" (27mm)	1 5/8" (41mm)

±25% Movement only

75FWGC



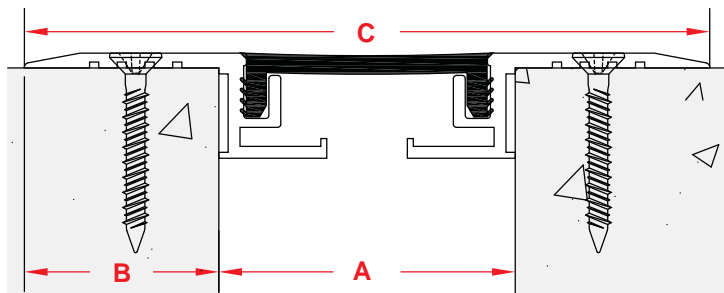
FIRE RATED
SYSTEMS
AVAILABLE

OPTIONAL COLORS SANTOPRENE



Black Gray Tan Bronze White

75FWPE

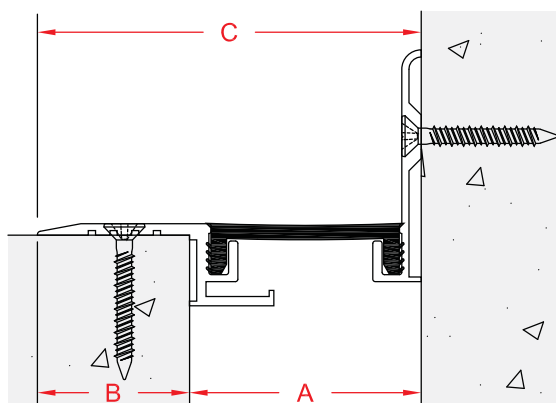


DIMENSIONS

	A	B	C
75FWPE-1	1" (25mm)	1 3/8" (36mm)	3 3/16" (97mm)
75FWPE-2	2" (51mm)	1 5/16" (33mm)	4 5/8" (117mm)

±25% Movement only

75FWVPE



DIMENSIONS

	A	B	C
75FWVPE-1	1" (25mm)	1 3/8" (36mm)	2 3/8" (61mm)
75FWVPE-2	2" (51mm)	1 5/16" (33mm)	3 5/16" (84mm)

±25% Movement only

OPTIONAL COLORS SANTOPRENE



Black Gray Tan

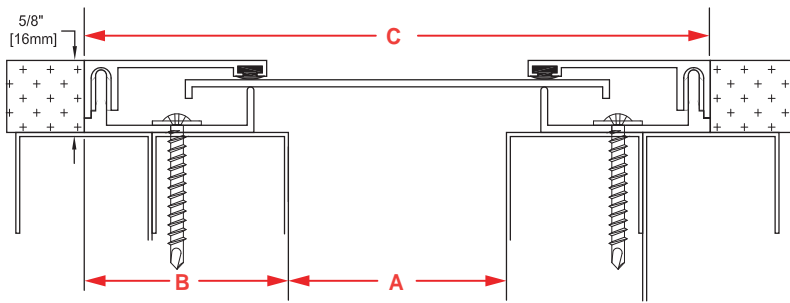


Bronze White



FIRE RATED
SYSTEMS
AVAILABLE

6GW



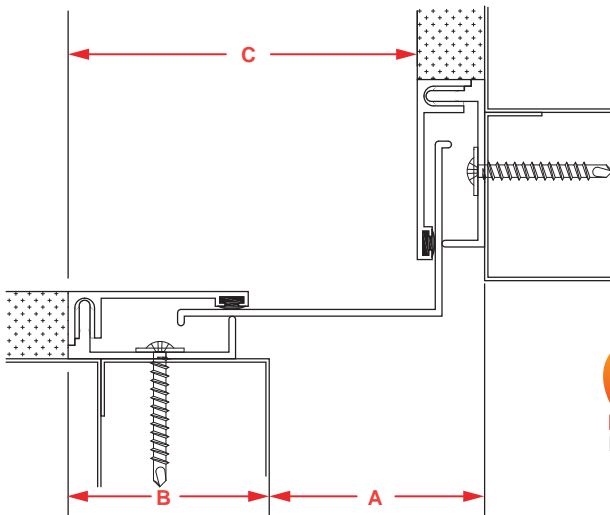
	DIMENSIONS		
	A	B	C
6GW-1	1" (25mm)	1 7/8" (48mm)	4 3/4" (121mm)
6GW-1-2	2" (51mm)	1 7/8" (48mm)	5 3/4" (146mm)
6GW-2	2" (51mm)	2 7/8" (73mm)	7 3/4" (197mm)
6GW-3	3" (76mm)	4 3/16" (106mm)	11 1/4" (286mm)
6GW-4	4" (102mm)	5 1/16" (129mm)	14 1/8" (359mm)
6GW-3-6	6" (152mm)	4 1/8" (105mm)	14 1/4" (362mm)
6GW-4-8	8" (203mm)	5 1/16" (129mm)	18 1/8" (460mm)

FEATURES

- Sliding aluminum center plate with snap-lock cover plates - Standard architectural class II anodized (Custom angles available)
- Extruded aluminum sub-channel

Both ±50% and ±100% movements available
Contact factory for larger joint sizes

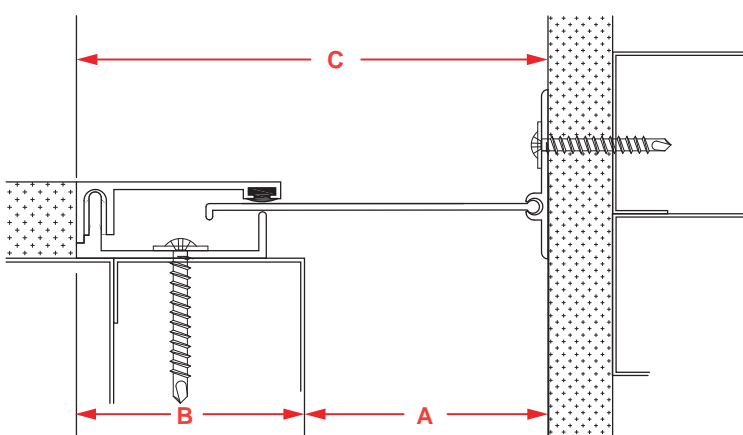
6GWC



	DIMENSIONS		
	A	B	C
6GWC-1	1" (25mm)	1 7/8" (48mm)	2 7/8" (73mm)
6GWC-1-2	2" (51mm)	1 7/8" (48mm)	3 7/8" (98mm)
6GWC-2	2" (51mm)	2 7/8" (73mm)	4 7/8" (124mm)
6GWC-3	3" (76mm)	4 3/16" (106mm)	7 1/8" (181mm)
6GWC-4	4" (102mm)	5 1/16" (129mm)	9 1/16" (230mm)
6GWC-3-6	6" (152mm)	4 1/8" (105mm)	10 1/8" (257mm)
6GWC-4-8	8" (203mm)	5 1/16" (129mm)	13 1/6" (332mm)

Both ±50% and ±100% movements available
Contact factory for larger joint sizes

6GWFC



OPTIONAL LAMINATE



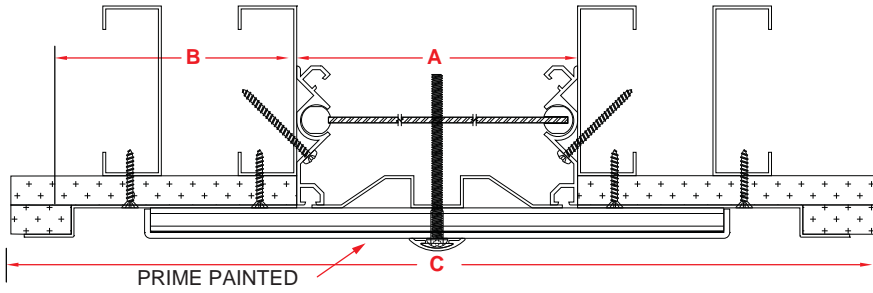
	DIMENSIONS		
	A	B	C
6GWFC-1	1" (25mm)	1 7/8" (48mm)	2 7/8" (73mm)
6GWFC-1-2	2" (51mm)	1 7/8" (48mm)	3 7/8" (98mm)
6GWFC-2	2" (51mm)	2 7/8" (73mm)	4 7/8" (124mm)
6GWFC-3	3" (76mm)	4 3/16" (106mm)	7 1/8" (181mm)
6GWFC-4	4" (102mm)	5 1/16" (129mm)	9 1/16" (230mm)
6GWFC-3-6	6" (152mm)	4 1/8" (105mm)	10 1/8" (257mm)
6GWFC-4-8	8" (203mm)	5 1/16" (129mm)	13 1/6" (332mm)

Both ±50% and ±100% movements available
Contact factory for larger joint sizes

FC



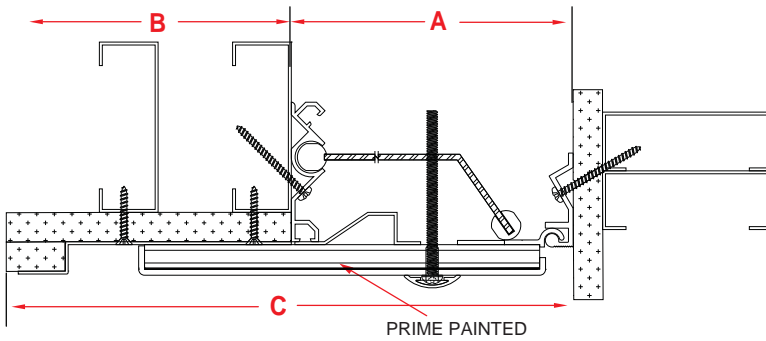
FIRE RATED
SYSTEMS
AVAILABLE



	DIMENSIONS		
	A	B	C
FC-4	4" (102mm)	3 13/16" (97mm)	13 5/8" (346mm)
FC-6	6" (152mm)	4 13/16" (122mm)	17 5/8" (448mm)
FC-8	8" (203mm)	5 13/16" (148mm)	21 5/8" (549mm)
FC-10	10" (254mm)	6 13/16" (173mm)	25 5/8" (651mm)

100% Movement shown - 50% Movement available
Contact factory for larger joint sizes

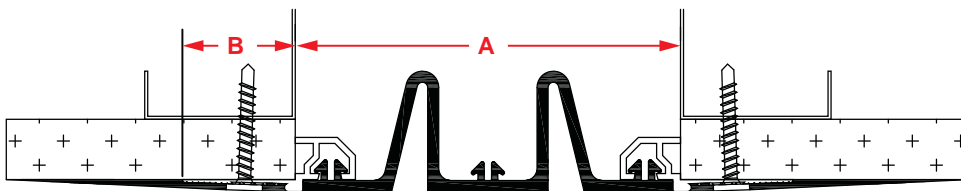
FCC



	DIMENSIONS		
	A	B	C
FCC-4	4" (102mm)	3 13/16" (97mm)	8 13/16" (224mm)
FCC-6	6" (152mm)	4 13/16" (122mm)	11 13/16" (300mm)
FCC-8	8" (203mm)	5 13/16" (148mm)	14 13/16" (376mm)
FCC-10	10" (254mm)	6 13/16" (173mm)	17 13/16" (452mm)

100% Movement shown - 50% Movement available
Contact factory for larger joint sizes

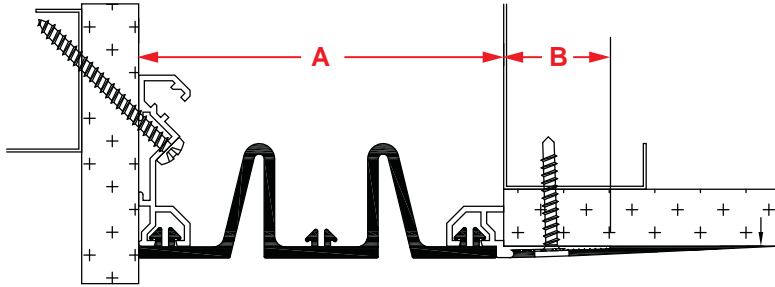
GCWW



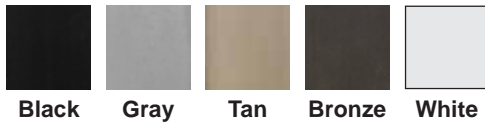
	DIMENSIONS	
	A	B
GCWW-2	2" (51mm)	1 3/16" (30mm)
GCWW-3	3" (76mm)	1 3/16" (30mm)
GCWW-4	4" (102mm)	1 3/16" (30mm)
GCWW-5	5" (127mm)	1 3/16" (30mm)
GCWW-6	6" (152mm)	2 3/16" (55mm)
GCWW-8	8" (203mm)	2 3/16" (55mm)
GCWW-10	10" (254mm)	2 3/16" (55mm)

50% Movement

GCWC



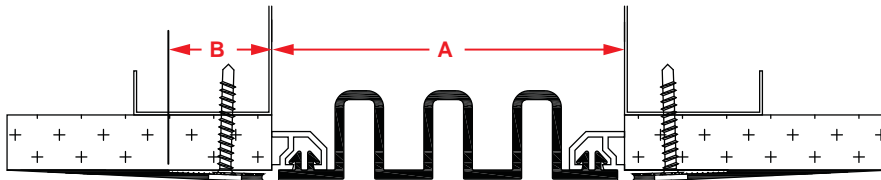
OPTIONAL COLORS SANTOPRENE



	DIMENSIONS	
	A	B
GCWC-2	2" (51mm)	1 3/16" (30mm)
GCWC-3	3" (76mm)	1 3/16" (30mm)
GCWC-4	4" (102mm)	1 3/16" (30mm)
GCWC-5	5" (127mm)	1 3/16" (30mm)
GCWC-6	6" (152mm)	2 3/16" (55mm)
GCWC-8	8" (203mm)	2 3/16" (55mm)
GCWC-10	10" (254mm)	2 3/16" (55mm)

50% Movement

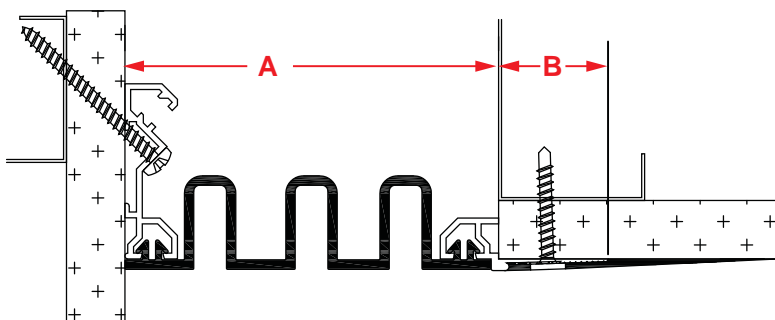
GCVS



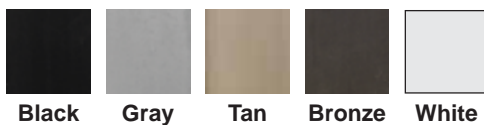
	DIMENSIONS	
	A	B
GCVS-2	2" (51mm)	1 3/16" (30mm)
GCVS-3	3" (76mm)	1 3/16" (30mm)
GCVS-4	4" (102mm)	1 3/16" (30mm)
GCVS-5	5" (127mm)	1 3/16" (30mm)
GCVS-6	6" (152mm)	2 3/16" (55mm)
GCVS-8	8" (203mm)	2 3/16" (55mm)
GCVS-10	10" (254mm)	2 3/16" (55mm)

100% Movement

GCVSC



OPTIONAL COLORS SANTOPRENE

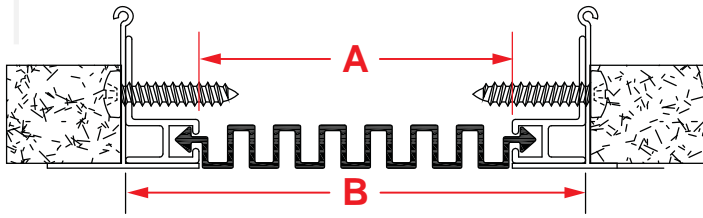


	DIMENSIONS	
	A	B
GCVSC-2	2" (51mm)	1 3/16" (30mm)
GCVSC-3	3" (76mm)	1 3/16" (30mm)
GCVSC-4	4" (102mm)	1 3/16" (30mm)
GCVSC-5	5" (127mm)	1 3/16" (30mm)
GCVSC-6	6" (152mm)	2 3/16" (55mm)
GCVSC-8	8" (203mm)	2 3/16" (55mm)
GCVSC-10	10" (254mm)	2 3/16" (55mm)

100% Movement

SUSPENDED CEILING COVERS

AC



OPTIONAL COLORS

SANTOPRENE



Black Gray



Tan Bronze



White



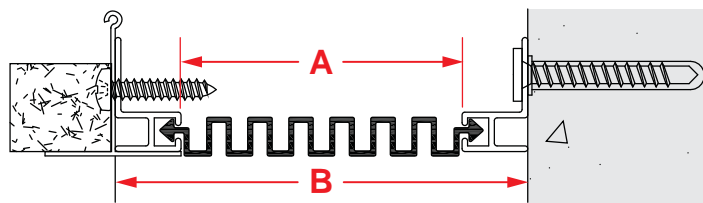
FIRE RATED SYSTEMS AVAILABLE

DIMENSIONS

	DIMENSIONS	
	A	B
AC-1	2" (51mm)	2" (51mm)
AC-2	2" (51mm)	3" (76mm)
AC-3	3" (76mm)	4" (102mm)

100% Movement

ACL

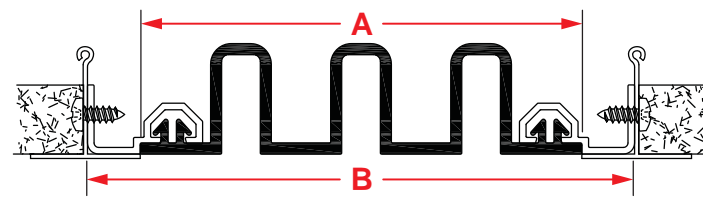


DIMENSIONS

	DIMENSIONS	
	A	B
ACL-1	2" (51mm)	2" (51mm)
ACL-2	2" (51mm)	3" (76mm)
ACL-3	3" (76mm)	4" (102mm)

100% Movement

ACWW



DIMENSIONS

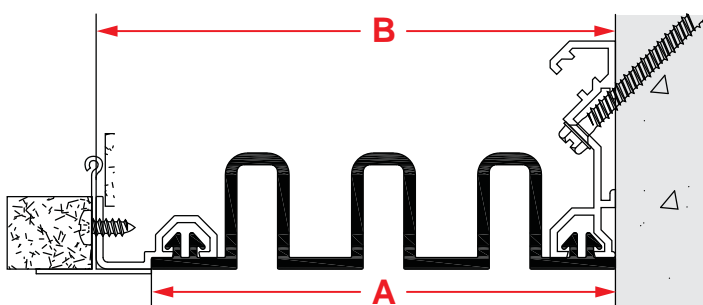
	DIMENSIONS	
	A	B
ACWW-2	2" (51mm)	3" (76mm)
ACWW-3	3" (76mm)	4" (102mm)
ACWW-4	4" (102mm)	5" (127mm)
ACWW-5	5" (127mm)	6" (152mm)
ACWW-6	6" (152mm)	7" (178mm)
ACWW-8	8" (203mm)	9" (229mm)
ACWW-10	10" (254mm)	11" (279mm)

50% Movement



FIRE RATED SYSTEMS AVAILABLE

ACWC



OPTIONAL COLORS

SANTOPRENE



Black Gray Tan Bronze White

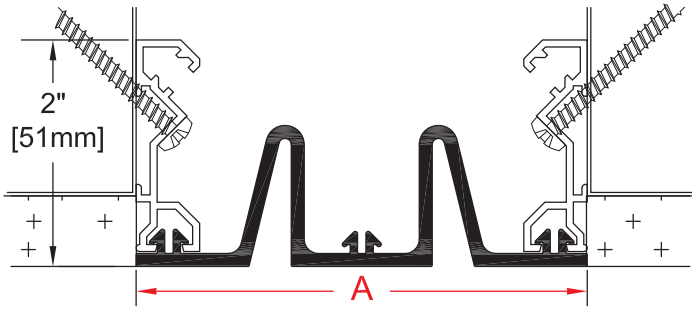
DIMENSIONS

	DIMENSIONS	
	A	B
ACWC-2	2" (51mm)	2 1/2" (64mm)
ACWC-3	3" (76mm)	3 1/2" (89mm)
ACWC-4	4" (102mm)	4 1/2" (114mm)
ACWC-5	5" (127mm)	5 1/2" (140mm)
ACWC-6	6" (152mm)	6 1/2" (165mm)
ACWC-8	8" (203mm)	8 1/2" (216mm)
ACWC-10	10" (254mm)	10 1/2" (267mm)

50% Movement

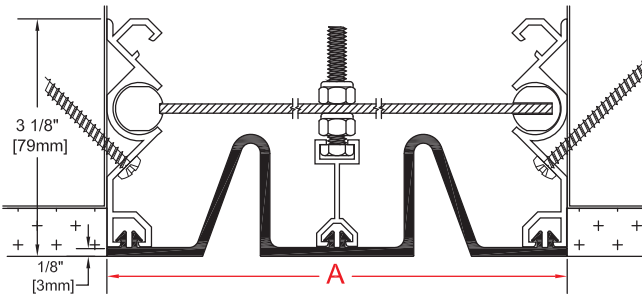
INTERIOR WALL JOINT COVERS FLEXIBLE INSERTS – 50% MOVEMENT TCWW

Joints 2" (51mm) thru 5" (127mm)



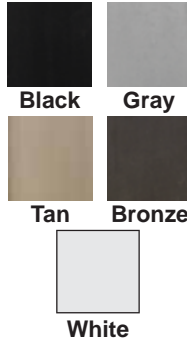
TCWW

Joints 6" (152mm) thru 10" (254mm)



OPTIONAL COLORS

SANTOPRENE

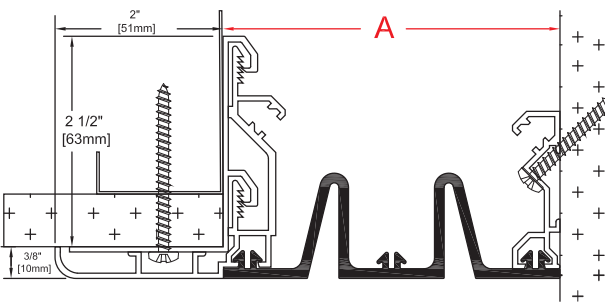


DIMENSIONS	
A	
TCWW-2	2" (51mm)
TCWW-3	3" (76mm)
TCWW-4	4" (102mm)
TCWW-5	5" (127mm)
TCWW-6	6" (152mm)
TCWW-8	8" (203mm)
TCWW-10	10" (254mm)
TCWW-12	12" (305mm)

50% Movement
Contact factory for larger joint sizes

TCWWE

Joints 2" (51mm) thru 4" (102mm)



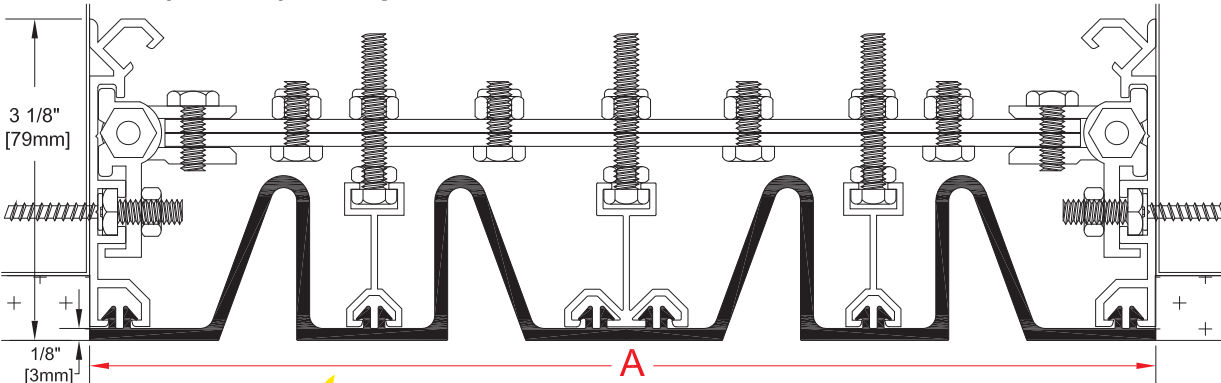
FIRE RATED
SYSTEMS
AVAILABLE

DIMENSIONS	
A	
TCWWE-2	2" (51mm)
TCWWE-3	3" (76mm)
TCWWE-4	4" (102mm)

50% Movement
Contact factory for larger joint sizes

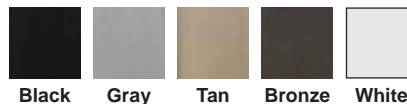
FLEXIBLE INSERTS – 50% MOVEMENT TCWW

Joints 12" (305mm) and up



FIRE RATED
SYSTEMS
AVAILABLE

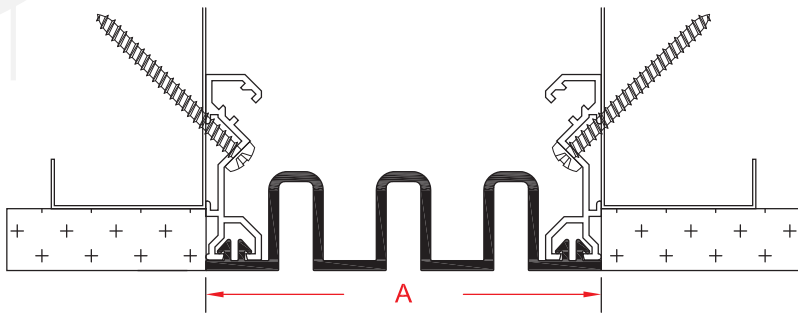
OPTIONAL COLORS SANTOPRENE



FLEXIBLE INSERTS – 100% MOVEMENT

TCVS

Joints 2" (51mm) thru 5" (127mm)

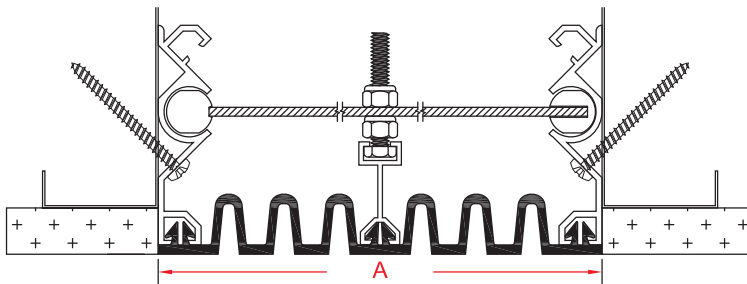


DIMENSIONS

	A
TCVS-2	2" (51mm)
TCVS-3	3" (76mm)
TCVS-4	4" (102mm)
TCVS-5	5" (127mm)
TCVS-6	6" (152mm)
TCVS-8	8" (203mm)
TCVS-10	10" (254mm)
TCVS-12	12" (305mm)

TCVS

Joints 6" (152mm) thru 10" (254mm)



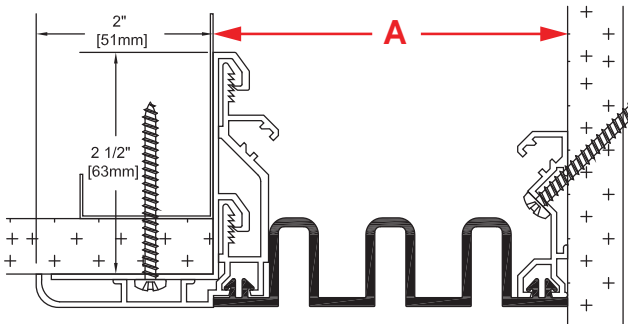
OPTIONAL COLORS SANTOPRENE



100% Movement
Contact factory for larger joint sizes

TCVSE

Joints 2" (51mm) thru 4" (102mm)



FIRE RATED
SYSTEMS
AVAILABLE

DIMENSIONS

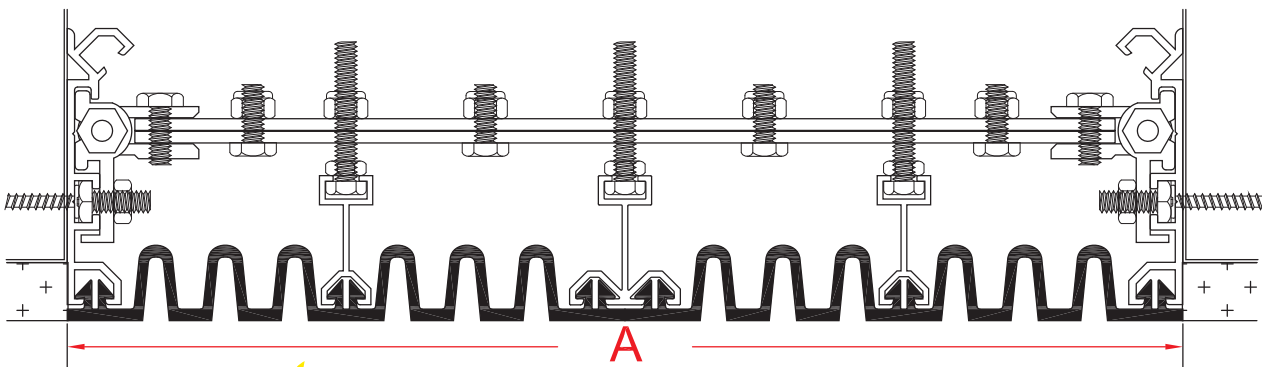
	A
TCVSE-2	2" (51mm)
TCVSE-3	3" (76mm)
TCVSE-4	4" (102mm)

50% Movement
Contact factory for larger joint sizes

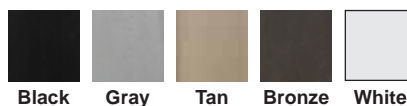
FLEXIBLE INSERTS MOVEMENT— 100%

TCVS

Joints 12" (305mm) and up



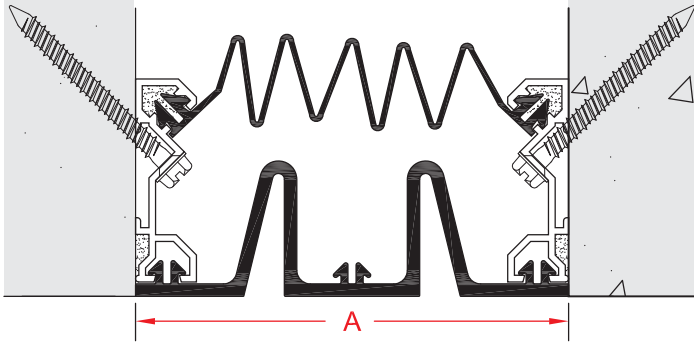
OPTIONAL COLORS SANTOPRENE



FIRE RATED
SYSTEMS
AVAILABLE

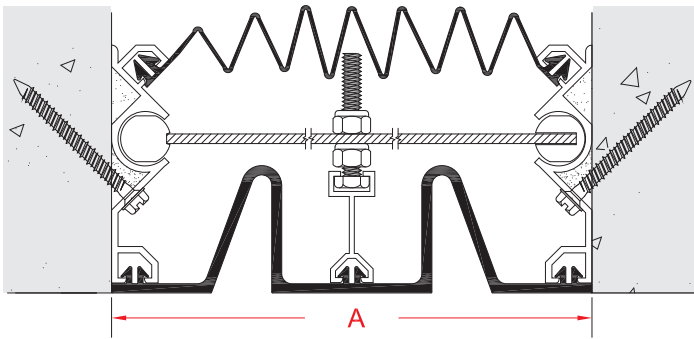
EXTERIOR WALL JOINT COVERS FLEXIBLE INSERTS – 50% MOVEMENT FCWW

Joints 2" (51mm) thru 5" (127mm)

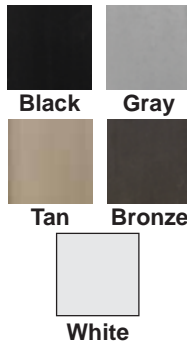


FCWW

Joints 6" (152mm) thru 10" (254mm)



OPTIONAL COLORS SANTOPRENE

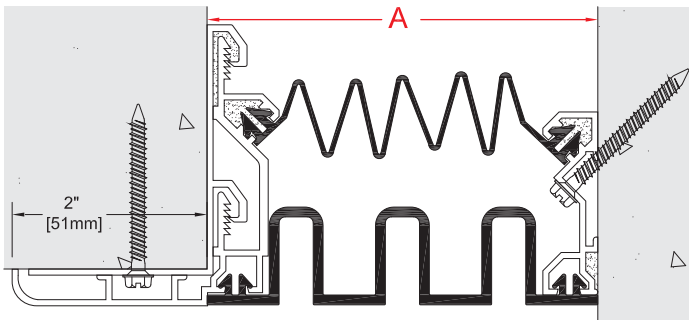


	DIMENSIONS	
	A	
FCWW-2	2"	(51mm)
FCWW-3	3"	(76mm)
FCWW-4	4"	(102mm)
FCWW-5	5"	(127mm)
FCWW-6	6"	(152mm)
FCWW-8	8"	(203mm)
FCWW-10	10"	(254mm)
FCWW-12	12"	(305mm)

50% Movement
Contact factory for larger joint sizes

FCWWE

Joints 2" (51mm) thru 6" (152mm)

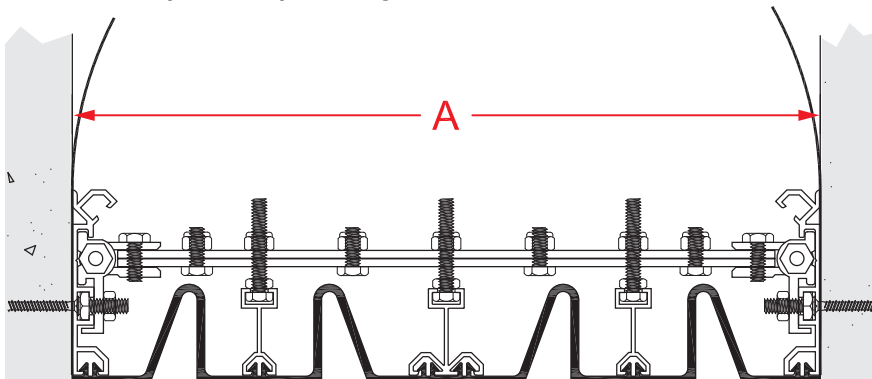


	DIMENSIONS	
	A	
FCWWE-2	2"	(51mm)
FCWWE-3	3"	(76mm)
FCWWE-4	4"	(102mm)
FCWWE-5	5"	(127mm)
FCWWE-6	6"	(152mm)

50% Movement
Contact factory for larger joint sizes

FLEXIBLE INSERTS – 50% / 100% MOVEMENT FCWW

Joints 12" (305mm) and up



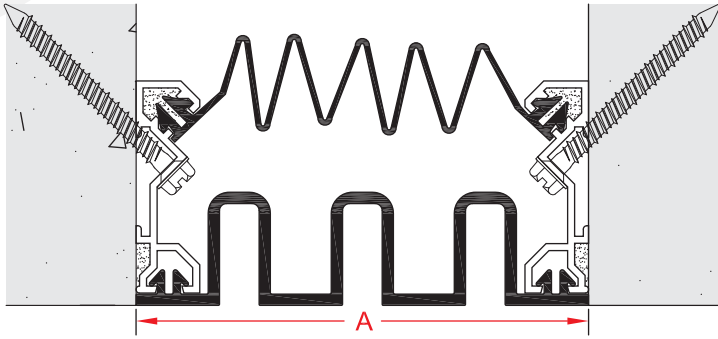
OPTIONAL COLORS SANTOPRENE



FLEXIBLE INSERTS - 100% MOVEMENT

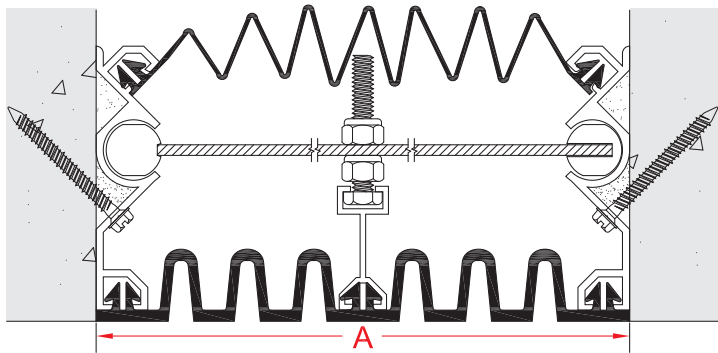
FCVS

Joints 2" (51mm) thru 5" (152mm)



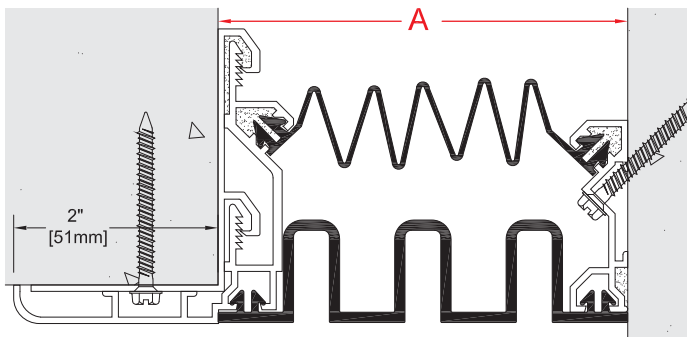
FCVS

Joints 6" (178mm) thru 10" (254mm)



FCVSE

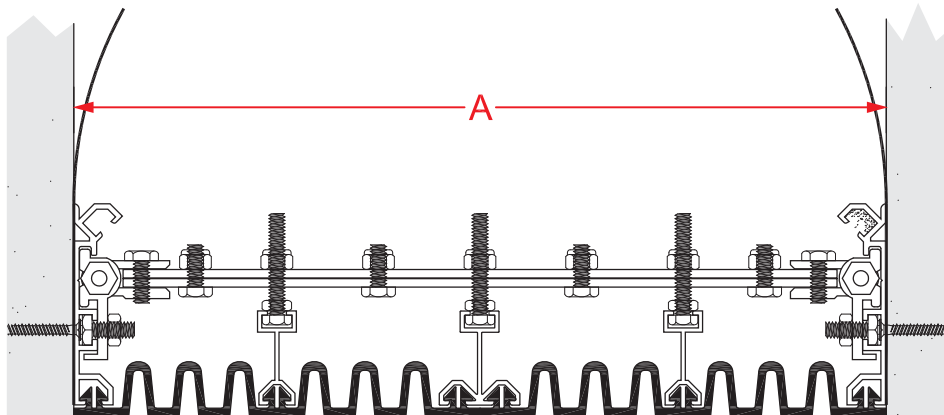
Joints 2" (51mm) thru 5" (152mm)



FLEXIBLE INSERTS - 100% MOVEMENT

FCVS

Joints 12" (305mm) and up

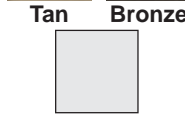


DIMENSIONS

	A
FCVS-2	2" (51mm)
FCVS-3	3" (76mm)
FCVS-4	4" (102mm)
FCVS-5	5" (127mm)
FCVS-6	6" (152mm)
FCVS-8	8" (203mm)
FCVS-10	10" (254mm)
FCVS-12	12" (305mm)

100% Movement available
Contact factory for larger joint sizes

OPTIONAL COLORS SANTOPRENE



White



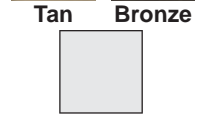
FIRE RATED
SYSTEMS
AVAILABLE

DIMENSIONS

	A
FCVSE-2	2" (51mm)
FCVSE-3	3" (76mm)
FCVSE-4	4" (102mm)

50% Movement available
Contact factory for larger joint sizes

OPTIONAL COLORS SANTOPRENE



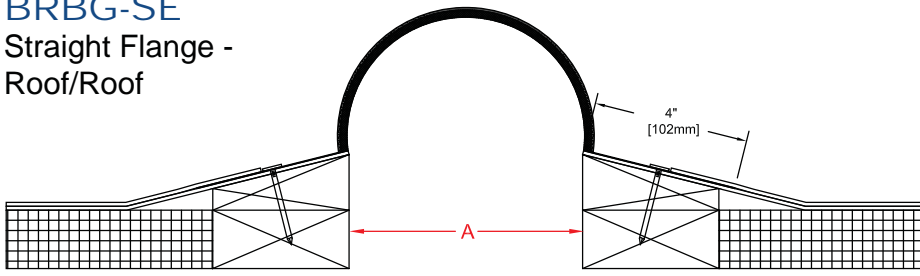
White



FIRE RATED
SYSTEMS
AVAILABLE

ROOF BELLOWS BRBG-SE

Straight Flange -
Roof/Roof



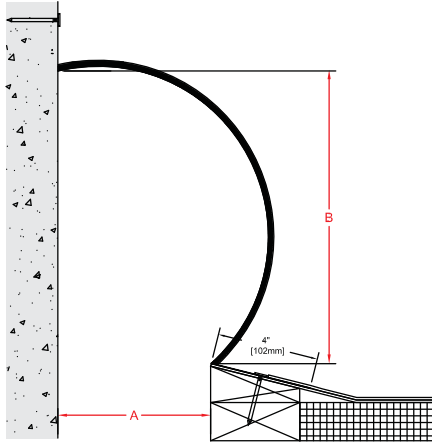
DIMENSIONS

	A	
BRBG-2SE	2"	(51mm)
BRBG-4SE	4"	(102mm)
BRBG-6SE	6"	(152mm)
BRBG-8SE	8"	(203mm)

100% Movement shown -
50% Movement available
Contact factory for larger joint sizes

BRBG-SE

Straight Flange - Roof/Wall



COLOR OPTION



BLACK EPDM
STANDARD
(WHITE AVAILABLE
ADD'L COST)



FIRE RATED
SYSTEMS
AVAILABLE

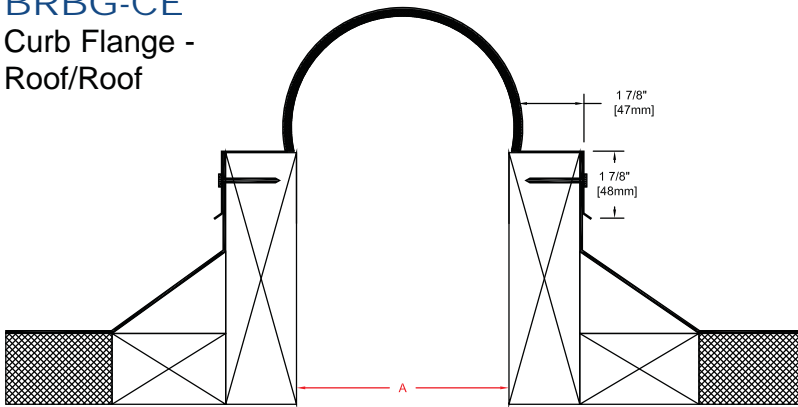
DIMENSIONS

	A	B
BRBG-2SE	2" (51mm)	3 3/4" (95mm)
BRBG-4SE	4" (102mm)	7 1/2" (191mm)
BRBG-6SE	6" (152mm)	11 1/2" (292mm)
BRBG-8SE	8" (203mm)	15 1/4" (387mm)

100% Movement shown - 50% Movement available
Contact factory for larger joint sizes

BRBG-CE

Curb Flange -
Roof/Roof



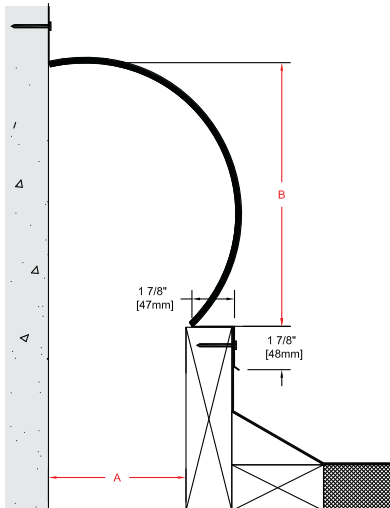
DIMENSIONS

	A	
BRBG-2CE	2"	(51mm)
BRBG-4CE	4"	(102mm)
BRBG-6CE	6"	(152mm)
BRBG-8CE	8"	(203mm)

100% Movement shown -
50% Movement available
Contact factory for larger joint sizes

BRBG-CSE

Curb Flange - Roof/Wall



OPTIONAL FLANGE MATERIALS



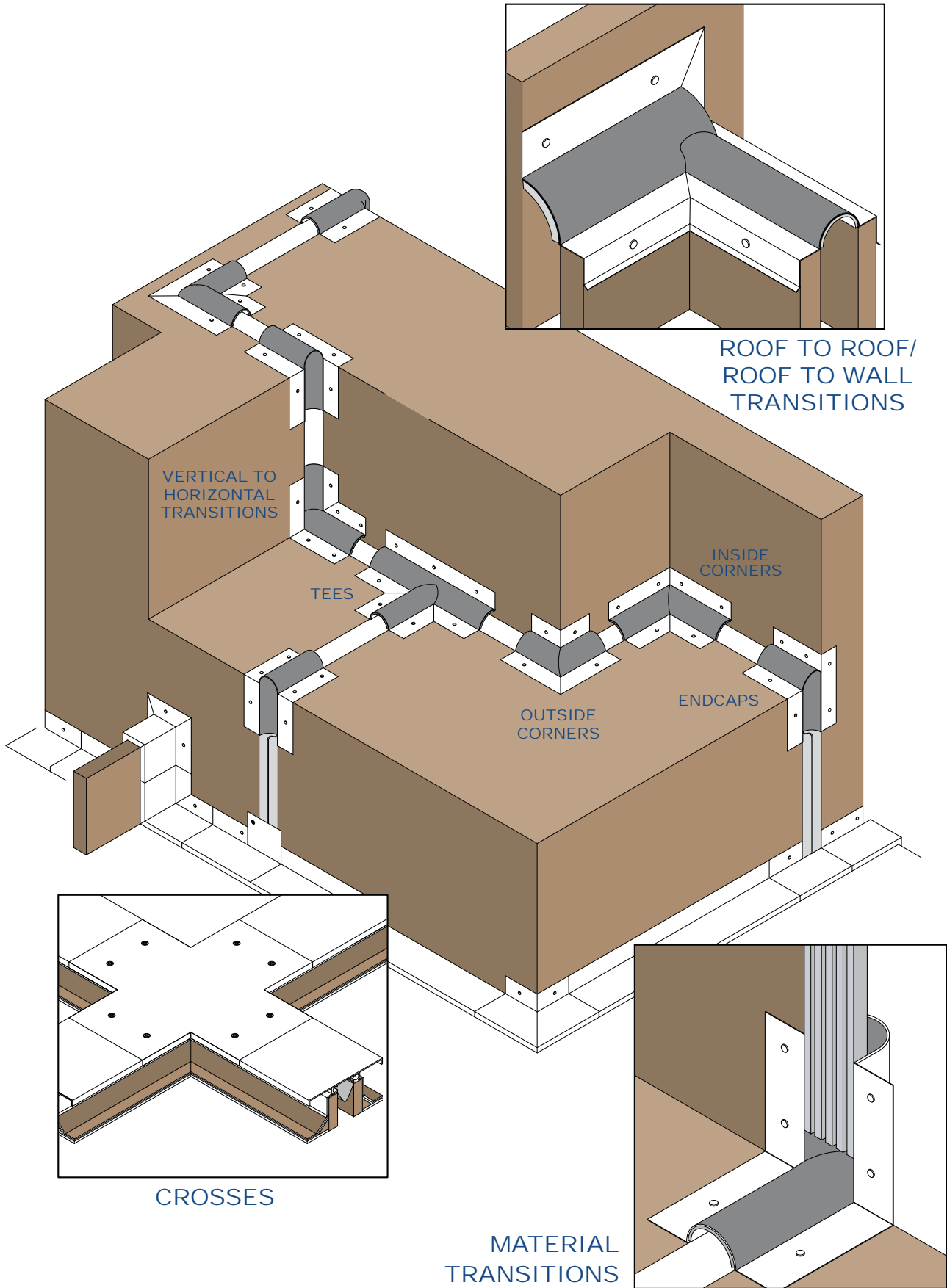
DIMENSIONS

	A	B
BRBG-2CSE	2" (51mm)	3 3/4" (95mm)
BRBG-4CSE	4" (102mm)	7 1/2" (191mm)
BRBG-6CSE	6" (152mm)	11 1/2" (292mm)
BRBG-8CSE	8" (203mm)	15 1/4" (387mm)

100% Movement shown - 50% Movement available
Contact factory for larger joint sizes

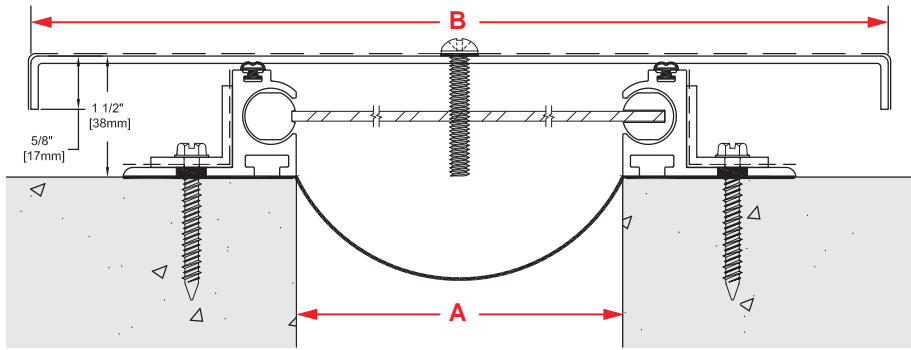
FACTORY ROOF TRANSITIONS

Balco's Roof Covers, both aluminum and flexible bellows are available with factory-made transitions to simplify installation.



ALUMINUM WALL AND ROOF COVERS

9W



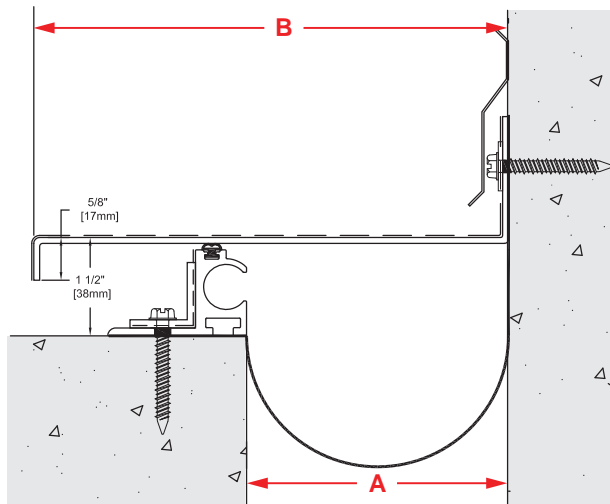
OPTIONAL MATERIALS



	DIMENSIONS	
	A	B
9W-2	2" (51mm)	6 3/8" (162mm)
9W-3	3" (76mm)	8 1/2" (216mm)
9W-4	4" (102mm)	10 1/2" (267mm)
9W-6	6" (152mm)	14 1/2" (368mm)

100% Movement shown -
50% Movement available
Contact factory for larger joint sizes.

9WC



	DIMENSIONS	
	A	B
9WC-2	2" (51mm)	4 1/16" (103mm)
9WC-3	3" (76mm)	5 3/4" (146mm)
9WC-4	4" (102mm)	7 1/4" (184mm)
9WC-6	6" (152mm)	10 1/4" (260mm)

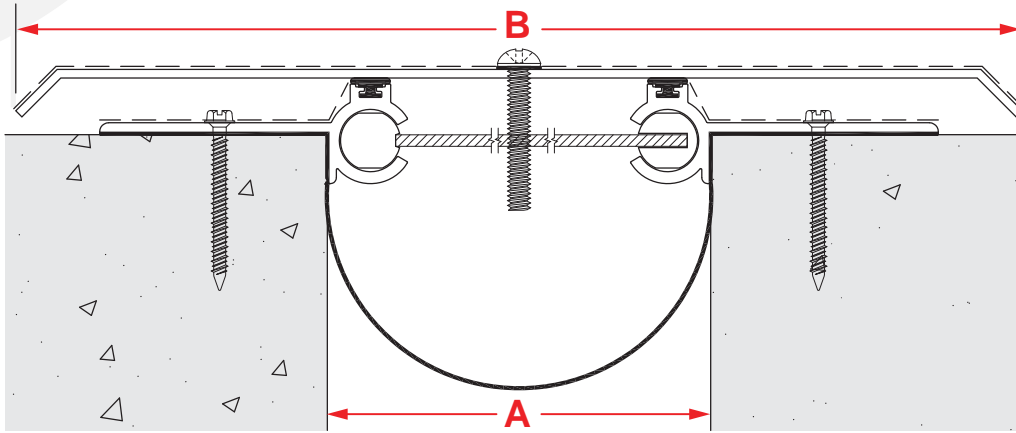
100% Movement shown -
50% Movement available
Contact factory for larger joint sizes.



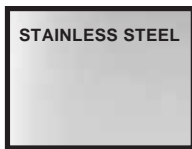
Manukau Institute of Technology
Auckland, New Zealand

LOW PROFILE EXTERIOR WALL

CMX



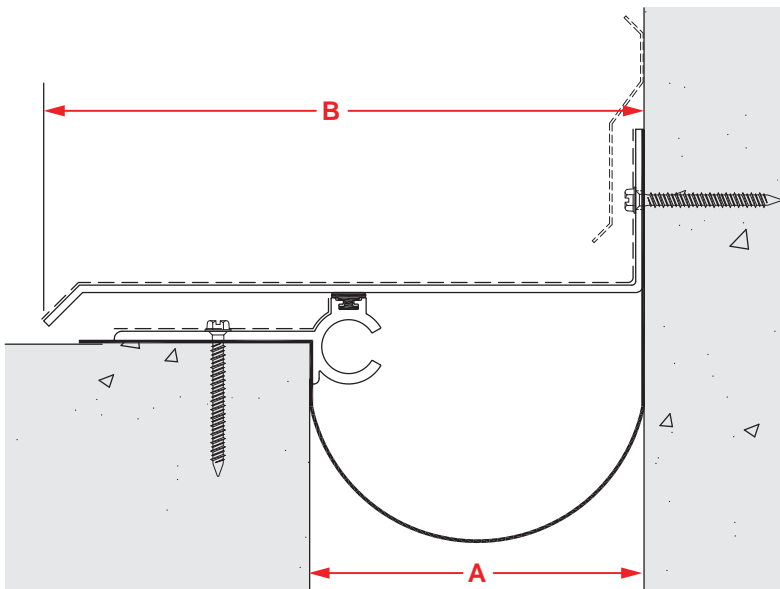
OPTIONAL MATERIALS



	DIMENSIONS	
	A	B
CMX-3	3" (76mm)	8 1/2" (216mm)
CMX-4	4" (102mm)	10 1/2" (267mm)
CMX-6	6" (152mm)	14 1/2" (368mm)
CMX-8	8" (203mm)	18 1/2" (470mm)

100% Movement shown -
50% Movement available
Contact factory for larger joint sizes.

CMXL

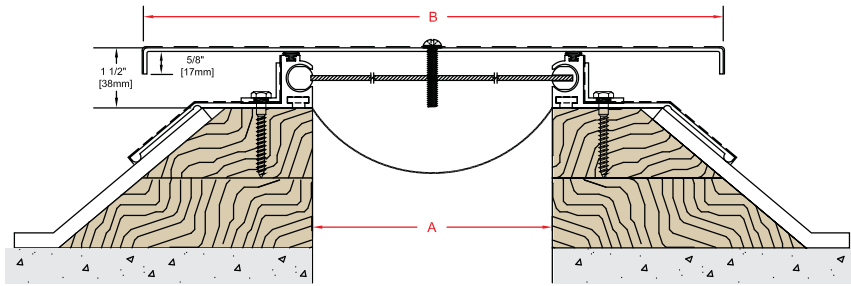


	DIMENSIONS	
	A	B
CMXL-3	3" (76mm)	5 3/4" (145mm)
CMXL-4	4" (102mm)	7 1/4" (184mm)
CMXL-6	6" (152mm)	10 1/4" (260mm)
CMXL-8	8" (203mm)	13 1/4" (337mm)

100% Movement shown -
50% Movement available
Contact factory for larger joint sizes.

ALUMINUM ROOF COVERS

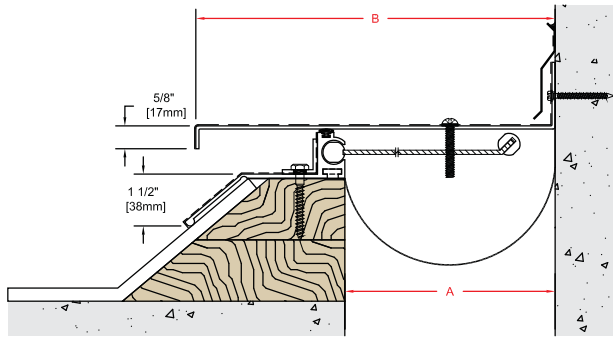
LPR



	DIMENSIONS	
	A	B
LPR-2	2" (51mm)	6 3/8" (162mm)
LPR-3	3" (76mm)	8 1/2" (216mm)
LPR-4	4" (102mm)	10 1/2" (267mm)
LPR-6	6" (152mm)	14 1/2" (368mm)

100% Movement shown -
50% Movement available
Contact factory for larger joint sizes.

LPRE



OPTIONAL MATERIALS

STAINLESS STEEL

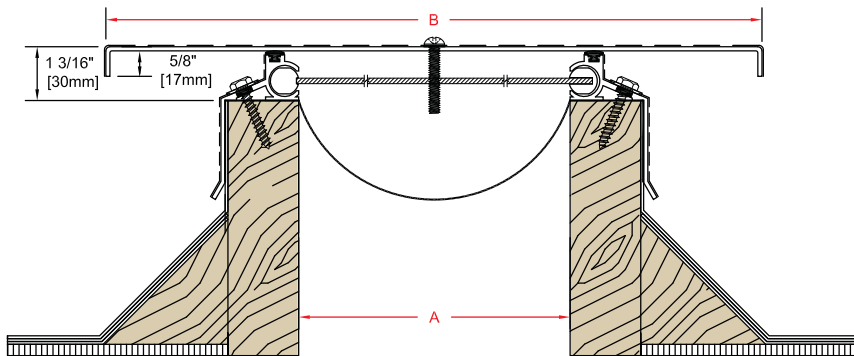


FIRE RATED SYSTEMS AVAILABLE

	DIMENSIONS	
	A	B
LPRE-2	2" (51mm)	4 1/16" (103mm)
LPRE-3	3" (76mm)	5 3/4" (146mm)
LPRE-4	4" (102mm)	7 1/4" (184mm)
LPRE-6	6" (152mm)	10 1/4" (260mm)

100% Movement shown -
50% Movement available
Contact factory for larger joint sizes.

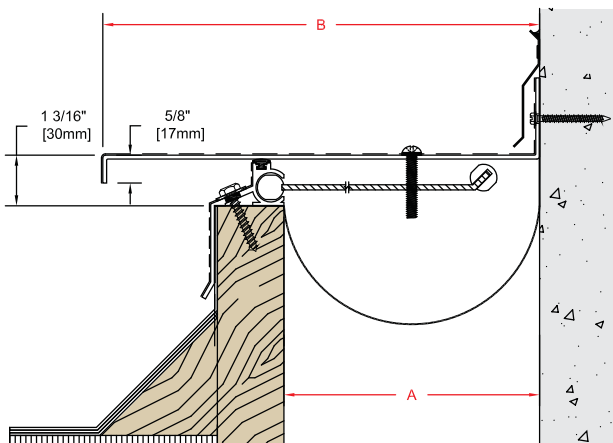
FR



	DIMENSIONS	
	A	B
FR-2	2" (51mm)	6 3/8" (162mm)
FR-3	3" (76mm)	8 1/2" (216mm)
FR-4	4" (102mm)	10 1/2" (267mm)
FR-6	6" (152mm)	14 1/2" (368mm)

100% Movement shown -
50% Movement available
Contact factory for larger joint sizes.

FRE



OPTIONAL MATERIALS

STAINLESS STEEL



FIRE RATED SYSTEMS AVAILABLE

	DIMENSIONS	
	A	B
FRE-2	2" (51mm)	4 1/16" (103mm)
FRE-3	3" (76mm)	5 3/4" (146mm)
FRE-4	4" (102mm)	7 1/4" (184mm)
FRE-6	6" (152mm)	10 1/4" (260mm)

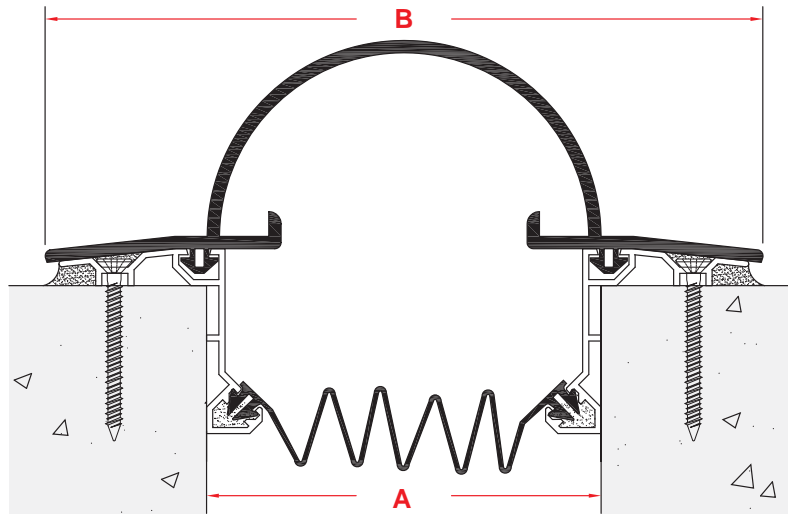
100% Movement shown -
50% Movement available
Contact factory for larger joint sizes.

Rizza™ Premium Silicone Systems

EXTERIOR ROOF APPLICATIONS

There is no other expansion joint system on the market that can be ran continuously across a roof up to 100 feet without a single splice.

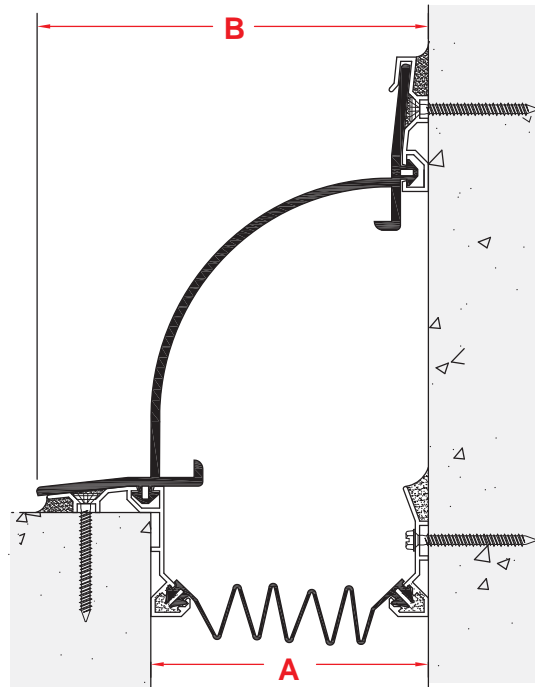
RR



	DIMENSIONS	
	A	B
RR-2	2" (51mm)	2 5/8" (66mm)
RR-4	3" (76mm)	3 5/8" (90mm)
RR-6	4" (102mm)	4 5/8" (116mm)
RR-8	6" (152mm)	5 5/8" (143mm)

50% movement only
Contact factory for larger sizes

RW



FIRE RATED
SYSTEMS
AVAILABLE

	DIMENSIONS	
	A	B
RW-2	2" (51mm)	2 5/8" (66mm)
RW-4	3" (76mm)	3 5/8" (90mm)
RW-6	4" (102mm)	4 5/8" (116mm)
RW-8	6" (152mm)	5 5/8" (143mm)

50% movement only
Contact factory for larger sizes

STANDARD COLOR

Dow Corning® 790



Black

OPTIONAL COLORS

Dow Corning® 790

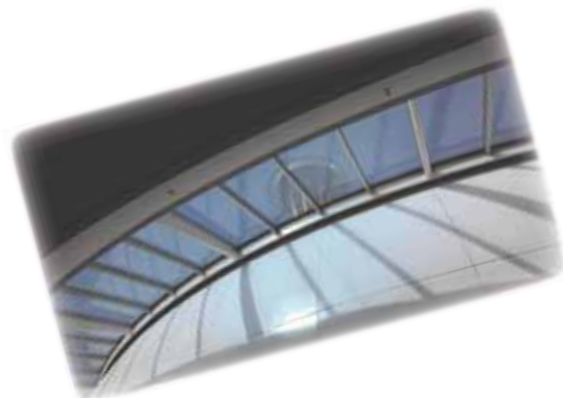


Precast White Limestone White Natural Stone Gray Bronze

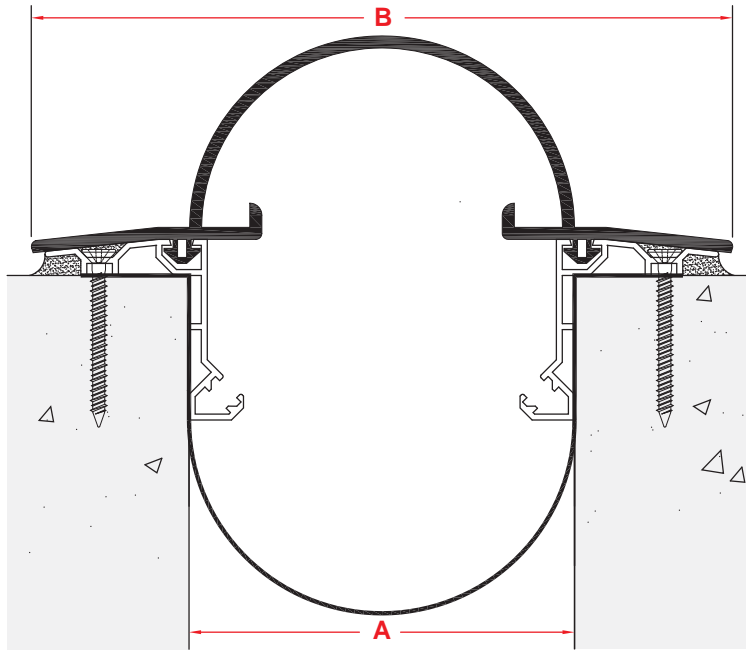


Sand stone Adobe Tan Dusty Rose Rustic Brick Blue Spruce Charcoal

Optional silicone colors are subject to 100 foot per product minimum order quantity or set up charge.



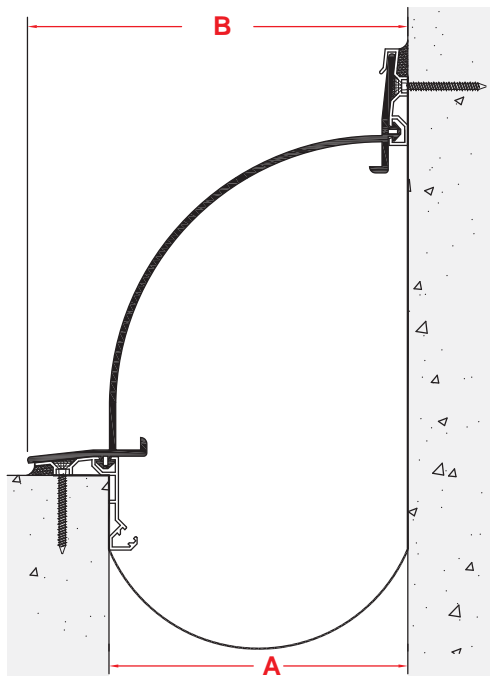
RRg



	DIMENSIONS	
	B	C
RRG-2	2" (51mm)	2 5/8" (66mm)
RRG-4	3" (76mm)	3 5/8" (90mm)
RRG-6	4" (102mm)	4 5/8" (116mm)
RRG-8	6" (152mm)	5 5/8" (143mm)

50% movement only
Contact factory for larger sizes

RWg



	DIMENSIONS	
	B	C
RWG-2	2" (51mm)	2 5/8" (66mm)
RWG-4	3" (76mm)	3 5/8" (90mm)
RWG-6	4" (102mm)	4 5/8" (116mm)
RWG-8	6" (152mm)	5 5/8" (143mm)

50% movement only
Contact factory for larger sizes

STANDARD COLOR

Dow Corning® 790



Black

OPTIONAL COLORS

Dow Corning® 790

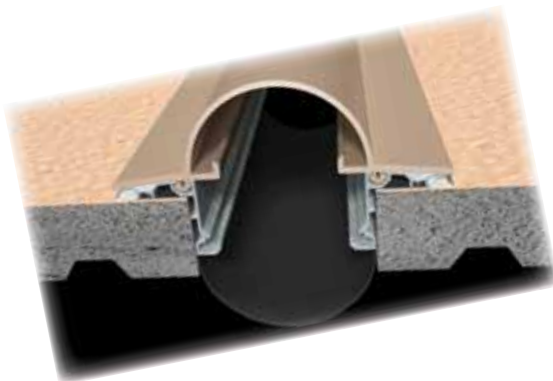


Precast White Limestone White Natural Stone Gray Bronze



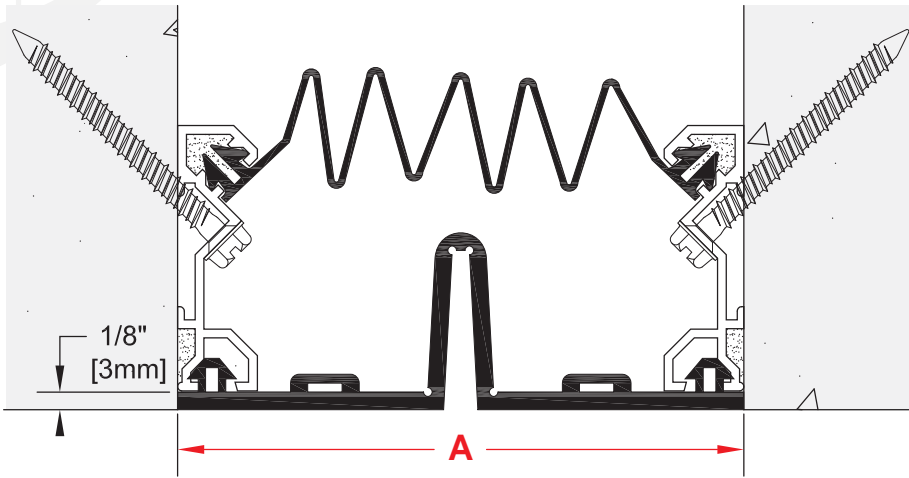
Sand stone Adobe Tan Dusty Rose Rustic Brick Blue Spruce Charcoal

Optional silicone colors are subject to 100 foot per product minimum order quantity or set up charge.



EXTERIOR WALL APPLICATIONS

EV

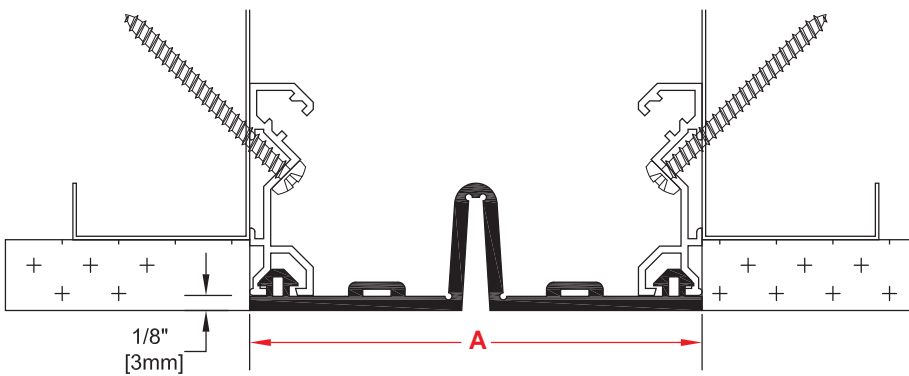


DIMENSIONS	
A	
EV-2	2" (51mm)
EV-4	3" (76mm)
EV-6	4" (102mm)
EV-8	6" (152mm)

50% movement only
Contact factory for larger sizes

INTERIOR WALL AND CEILING APPLICATIONS

IS



FIRE RATED
SYSTEMS
AVAILABLE

DIMENSIONS	
A	
IS-2	2" (51mm)
IS-4	3" (76mm)
IS-6	4" (102mm)
IS-8	6" (152mm)

50% movement only
Contact factory for larger sizes



Seattle-Tacoma
International Airport
Seattle, Washington

STANDARD COLOR

Dow Corning® 790



Black Gray Bronze



Sandstone White

OPTIONAL COLORS

Dow Corning® 790



Precast Limestone White Dusty Rose Natural Stone



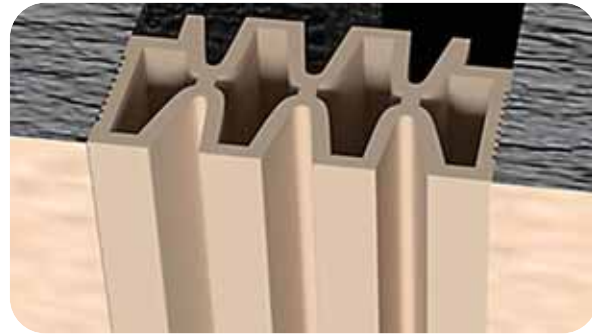
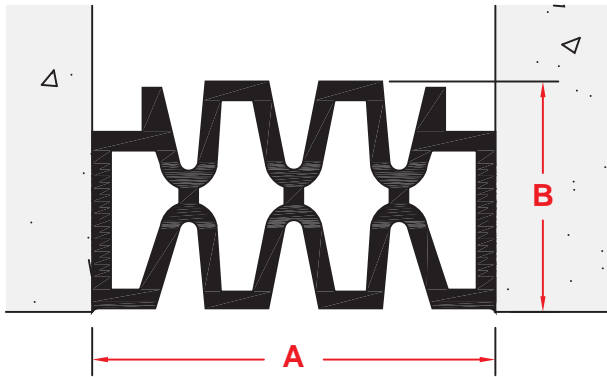
Adobe Tan Rustic Brick Blue Spruce Charcoal

Optional silicone colors are subject to 100 foot per product minimum order quantity or set up charge.

INTERIOR / EXTERIOR WALL & CEILING APPLICATIONS

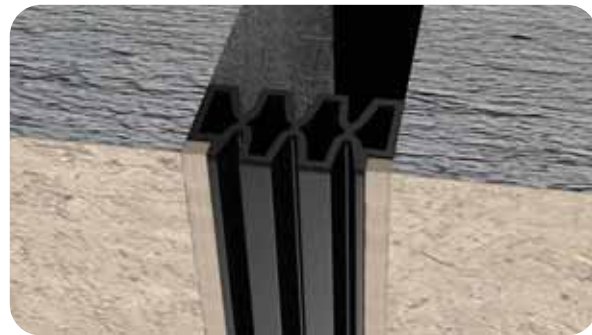
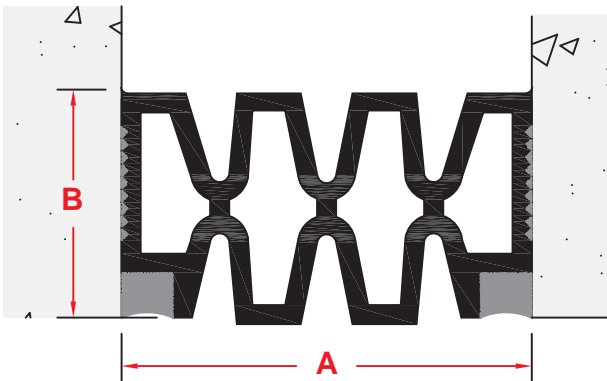
CE

Smooth Surface Application



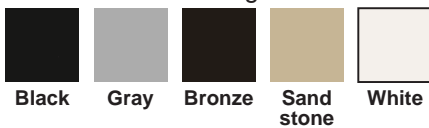
CE

Brick and Block Application



STANDARD COLOR

Dow Corning® 790



OPTIONAL COLORS

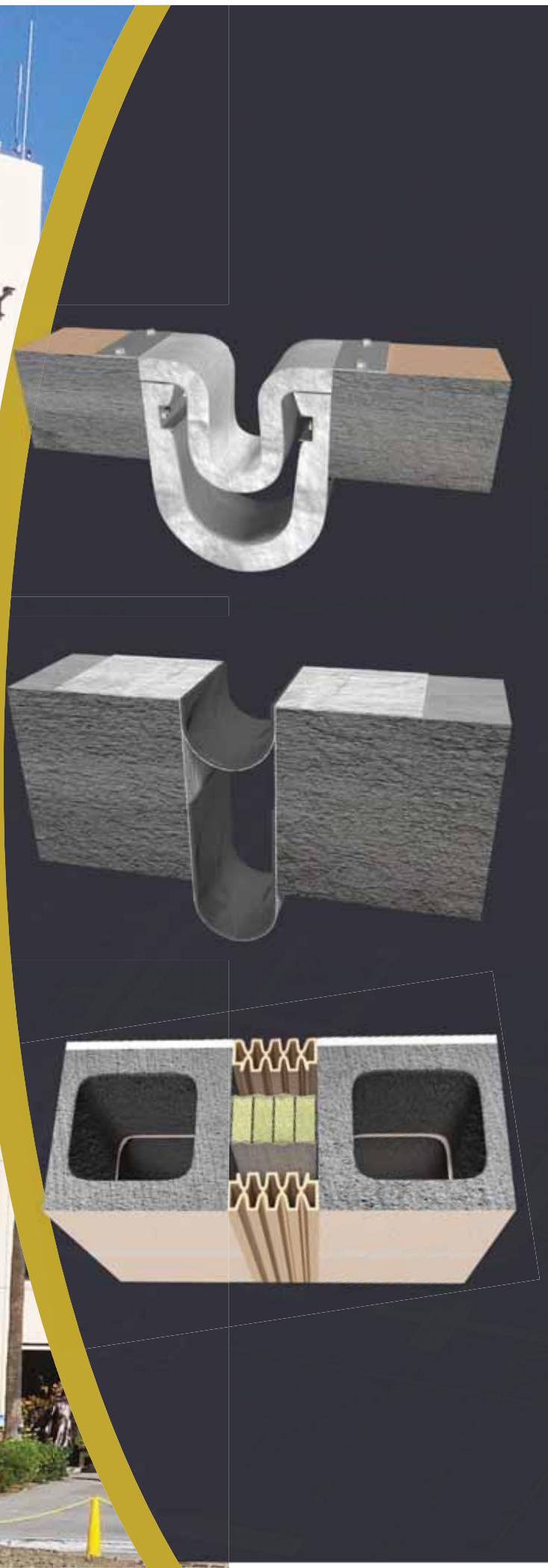
Dow Corning® 790



Optional silicone colors are subject to 100 foot per product minimum order quantity or set up charge.

	NOMINAL JOINT DIMENSIONS		ACTUAL SEAL DIMENSIONS		ACTUAL MOVEMENT CAPABILITY			
	A	B	A	B	MINIMUM	THERMAL MAXIMUM	SEISMIC MAXIMUM	TOTAL
CE-100SX	1" (25mm)	3/4" (19mm)	1 3/8" (35mm)	3/4" (19mm)	5/8" (16mm)	1 3/8" (35mm)	1 1/2" (38mm)	7/8" (22mm)
CE-150SX	1 1/2" (38mm)	1" (25mm)	2" (51mm)	1" (25mm)	1" (25mm)	2" (51mm)	2 1/4" (57mm)	1 1/4" (32mm)
CE-200SX	2" (51mm)	1" (25mm)	2 3/4" (70mm)	1" (25mm)	1 3/8" (35mm)	2 3/4" (70mm)	3" (76mm)	1 5/8" (41mm)
CE-300SX	3" (76mm)	1 1/2" (38mm)	4" (102mm)	1 1/2" (38mm)	1 3/4" (44mm)	4" (102mm)	4 1/2" (114mm)	2 3/4" (70mm)
CE-400SX	4" (102mm)	2" (51mm)	5" (127mm)	2" (51mm)	2 1/2" (64mm)	5" (127mm)	6" (152mm)	3 1/2" (89mm)

NOTE: Seal is designed for vertical applications or horizontal applications with a positive slope. Not intended to take loading.



Loma Linda University Medical Center
Loma Linda, CA



A CSW Industrials Company

FIRE BARRIER SYSTEMS

DIVISION 079500

Balco is an industry leading manufacturer of Life Safety and Fire Barrier products for use in the commercial construction industry.

A photograph of a modern, multi-story glass skyscraper, the Mayo Clinic building in Rochester, MN. The building has a curved facade and is surrounded by a landscaped area with plants and a walkway. The sky is clear and blue.

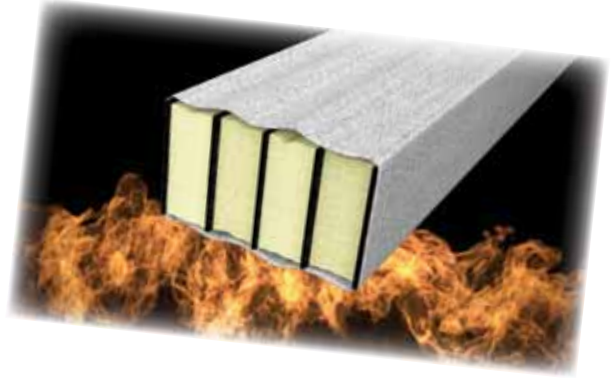
Mayo Clinic
Rochester, MN

MetaBlock™ Fire Barrier Systems

Balco is an innovative engineering design manufacturer at the forefront of life safety building product design. Our MetaBlock™ fire barrier combines impressive 2, 3 and 4 hour UL® listed designs with the absolute simplest installation method available for floor and wall expansion joint applications. MetaBlock's™ thin design allows for installation in shallow concrete, block and gypsum board construction allowing ample space for installation of expansion joint covers without interference of waterproof construction. There are no mechanical fasteners, or caulk, required for installation or splicing.

FEATURES

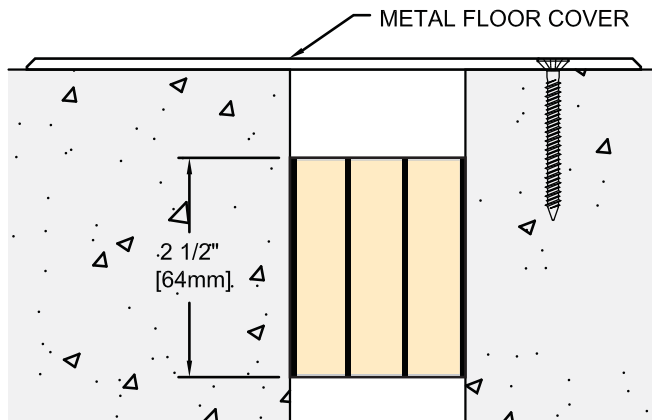
- No mechanical fasteners or caulk required
- Thin design for construction, requires only 2.5" depth for fire barrier (for 2 hour)
- Exterior and interior applications
- Plus and minus 50% movement
- Works with elastomeric and metal expansion joint covers
- Simple installation using spray adhesive
- No solvents or carcinogens
- Moisture resistant
- ASTM E 1399; ASTM E 1966; UL2079; IBC; and NFPA 5000 compliant
- UL® listed
- Ships in 7' lengths
- 3 and 4 hour ratings available



FLOOR APPLICATION

MBF

with Metal Floor Cover

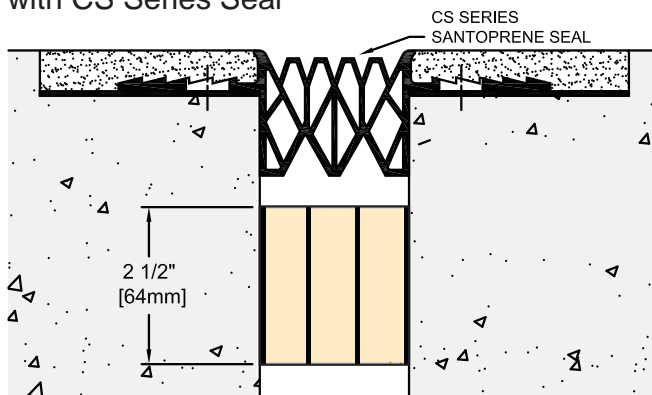


	2 HOUR	
	MINIMUM	MAXIMUM
MBF2H0125	1/2" (13mm)	1 1/4" (32mm)
MBF2H0238	3/4" (19mm)	2 3/8" (60mm)
MBF2H0350	1 1/4" (32mm)	3 1/2" (89mm)
MBF2H0450S	1 1/2" (38mm)	4 1/2" * (115mm)
MBF2H0600	2" (51mm)	6" (152mm)

FLOOR APPLICATION

MBF

with CS Series Seal



	3 HOUR	
	MINIMUM	MAXIMUM
MBF3H0350	1 1/4" (32mm)	3 1/2" (89mm)
MBF3H0450S	1 1/2" (38mm)	4 1/2" * (115mm)
MBF3H0600	2" (51mm)	6" (152mm)

	4 HOUR	
	MINIMUM	MAXIMUM
MBF4H0450S	1 1/2" (38mm)	4 1/2" * (115mm)

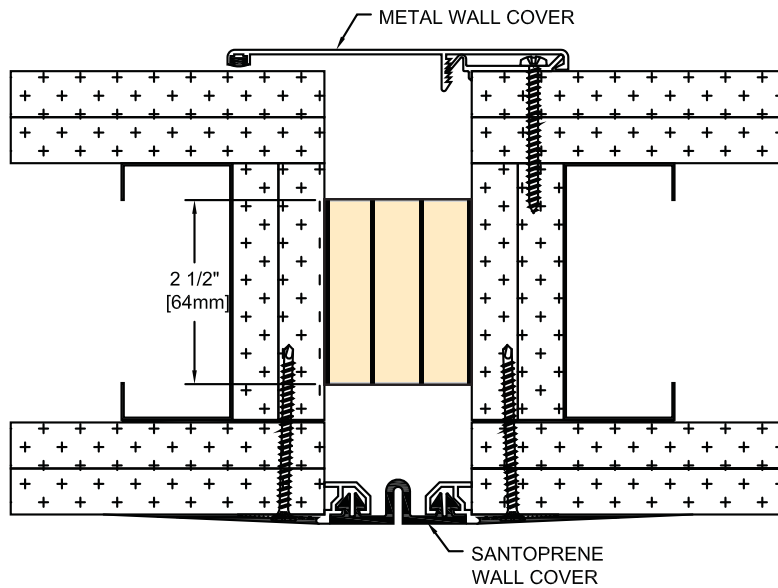
NOTE:

*MBF4H0450S were factory tested for 4 1/2" seismic and UL® fire tested to 4" maximum.

WALL APPLICATION

MBW

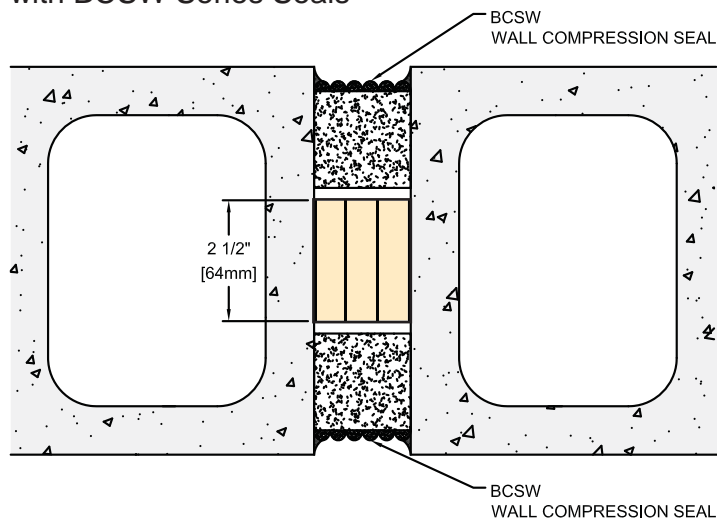
with Wall Covers



WALL APPLICATION

MBW

with BCSW Series Seals



	2 HOUR	
	MINIMUM	MAXIMUM
MBW2H0125	1/2" (13mm)	1 1/4" (32mm)
MBW2H0238	3/4" (19mm)	2 3/8" (60mm)
MBW2H0350	1 1/4" (32mm)	3 1/2" (89mm)
MBW2H0450S	1 1/2" (38mm)	4 1/2" * (115mm)
MBW2H0600	2" (51mm)	6" (152mm)

NOTE:

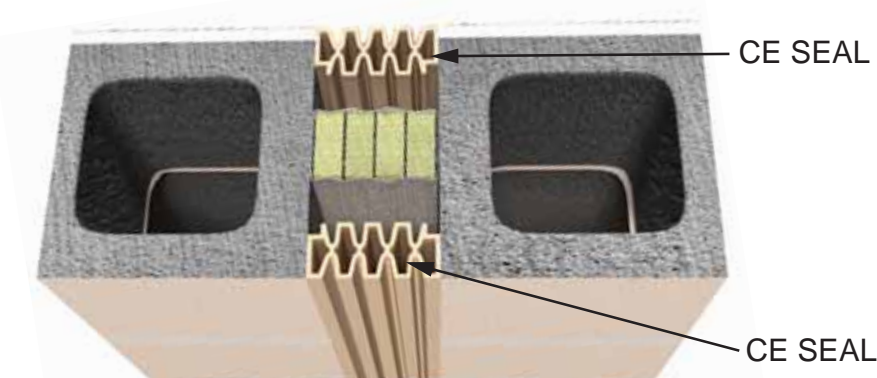
*MBW4H0450S was factory tested for 4 1/2" seismic and UL® fire tested to 4" maximum.



WALL APPLICATION

MBW

with Rizza™ CE Series Seals

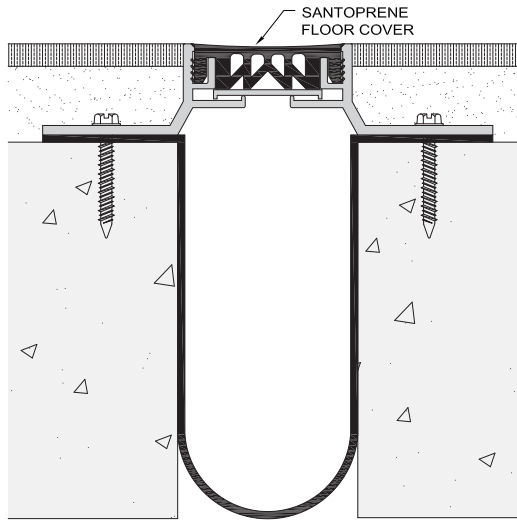


MetaMat™ Fire Barrier Systems

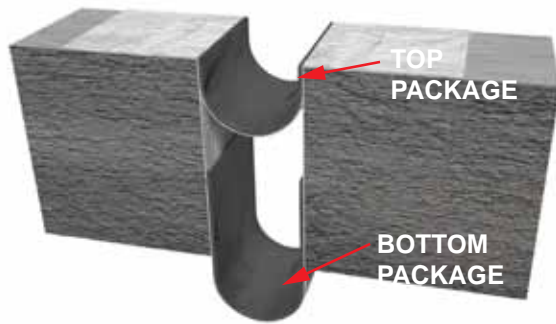
Balco's patented MetaMat™ fire barrier is designed to fire rate seismic and expansion joint conditions for up to 2 hours in floor and wall applications. The unique very thin profile of MetaMat™ allows for installation in small openings and is forgiving in instances where the field condition does not match design drawings. Installation is simple because no caulk is required for floors, walls, splices or transitions of any kind.

FLOOR APPLICATION

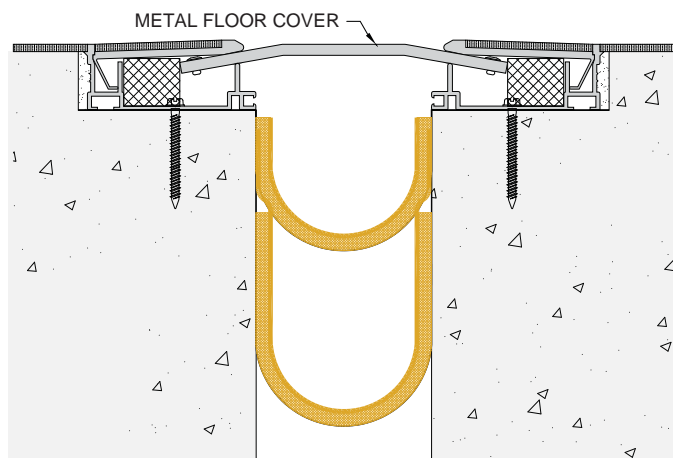
MF2H03



MF2H04F



MF2H06F



FEATURES

- Cost effective, light weight
- Thin flexible design
- Exterior and interior installations
- Plus and minus 50% movement to 100% movement
- Simple installation, no caulk required
- No solvents or carcinogens
- Moisture resistant
- Available in 20' and 40' rolls
- ASTM E 1399; ASTM E 1966; UL2079; IBC; and NFPA 5000 compliant
- Patented



FLOOR TO FLOOR

	2 HOUR	
	MINIMUM	MAXIMUM
MF2H03	1/2" (13mm)	3" (76mm)
MF2H04F	1" (25mm)	4" (102mm)
MF2H06F	1 1/2" (38mm)	6" (152mm)

FLOOR TO WALL

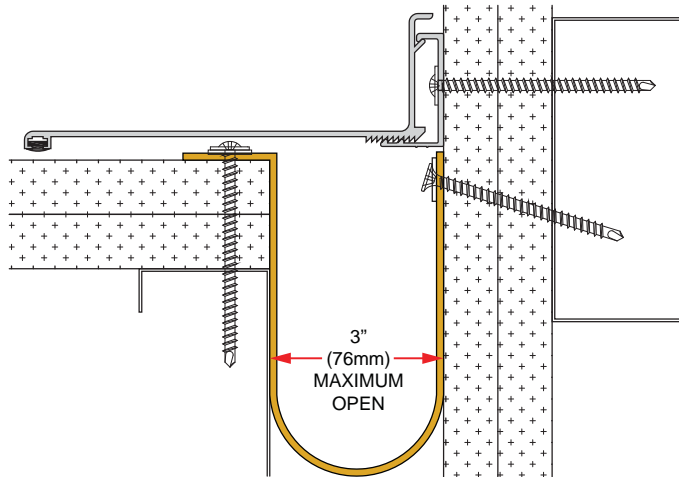
	2 HOUR	
	MINIMUM	MAXIMUM
MFV2H03	1/2" (13mm)	3" (76mm)
MFV2H04F	1" (25mm)	4" (102mm)
MFV2H06F	1 1/2" (38mm)	6" (152mm)



WALL APPLICATION

MW2H03

Requires Metal Cover and 2 packages (not shown)

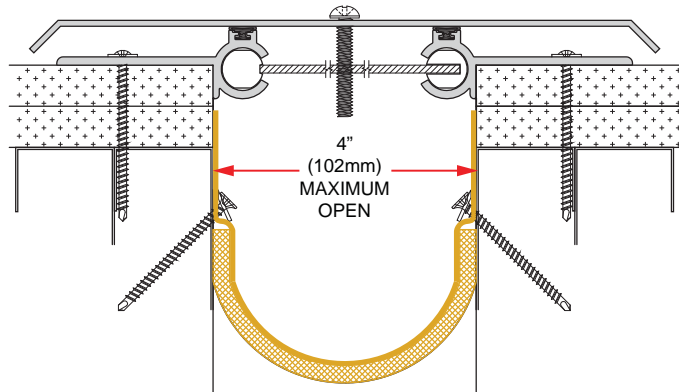


WALL TO WALL

	1 or 2 HOUR	
	MINIMUM	MAXIMUM
MW2H03	1/2" (13mm)	3" (76mm)
MW2H04	1" (25mm)	4" (102mm)
MW2H06	1 1/2" (38mm)	6" (152mm)

MCW2H06

Requires Metal Cover and 2 packages (not shown)

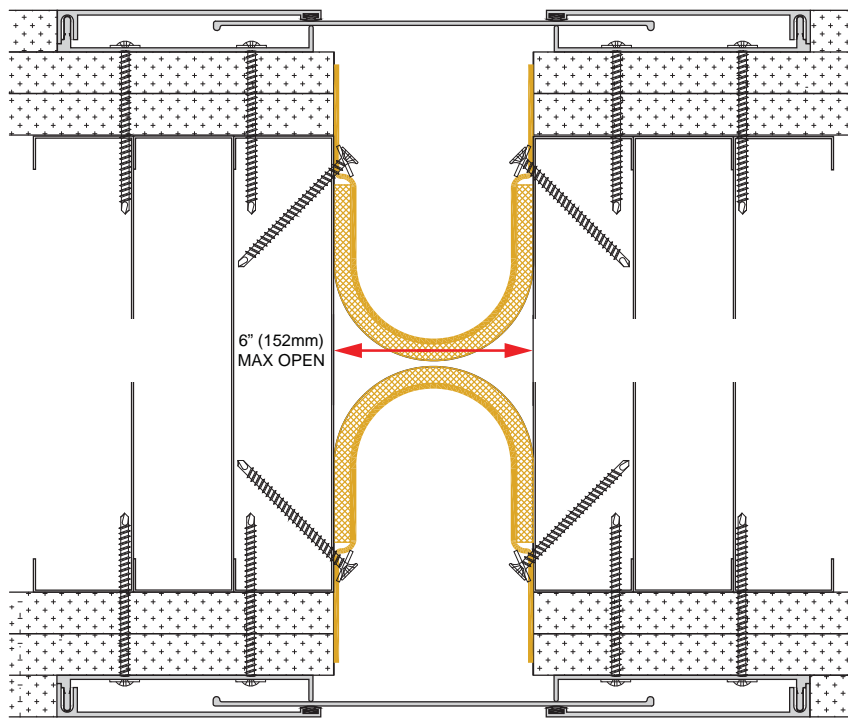


WALL TO CORNER

	1 or 2 HOUR	
	MINIMUM	MAXIMUM
MCW2H03	1/2" (13mm)	3" (76mm)
MCW2H04	1" (25mm)	4" (102mm)
MCW2H06	1 1/2" (38mm)	6" (152mm)

MW2H06

Requires Metal Cover and 2 packages (shown)



MetaFlex® 2000 Fire Barrier Systems

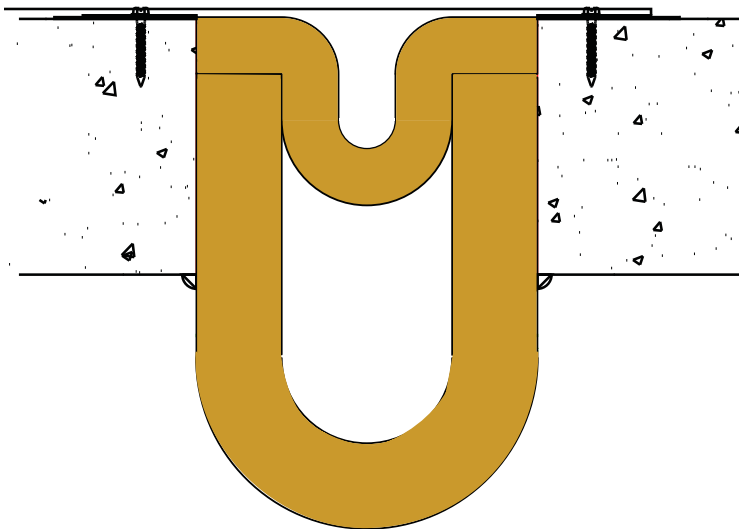
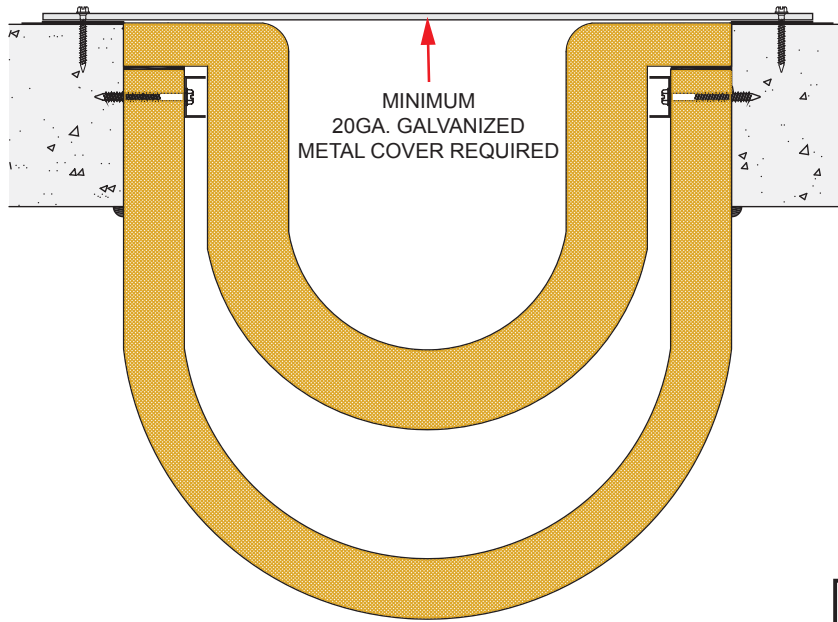
Metaflex® 2000 floor and wall barrier is designed to accommodate joint widths up to 36" (914mm) maximum openings, while maintaining a 2 hour fire rating.



FLOOR APPLICATION

2HFFB

with Metal Floor Cover

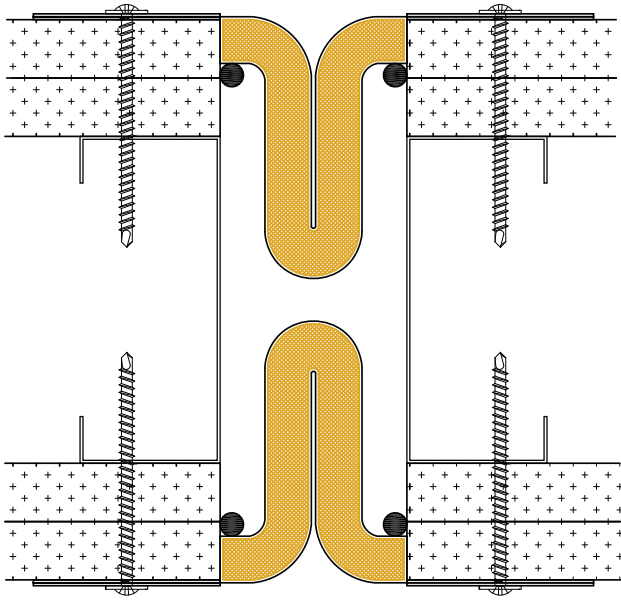


	2 HOUR	
	MAXIMUM OPENING	MINIMUM SLAB THICKNESS
2HFFB-8	8" (203mm)	4 1/2" (114mm)
2HFFB-9	9" (229mm)	4 1/2" (114mm)
2HFFB-12	12" (305mm)	4 1/2" (114mm)
2HFFB-15	15" (381mm)	4 1/2" (114mm)
2HFFB-18	18" (457mm)	4 1/2" (114mm)
2HFFB-21	21" (533mm)	4 1/2" (114mm)
2HFFB-24	24" (610mm)	4 1/2" (114mm)
2HFFB-27	27" (686mm)	4 1/2" (114mm)
2HFFB-30	30" (762mm)	4 1/2" (114mm)
2HFFB-33	33" (838mm)	4 1/2" (114mm)
2HFFB-36	36" (914mm)	4 1/2" (114mm)

WALL APPLICATION

2HWFB

Two-sided installation shown

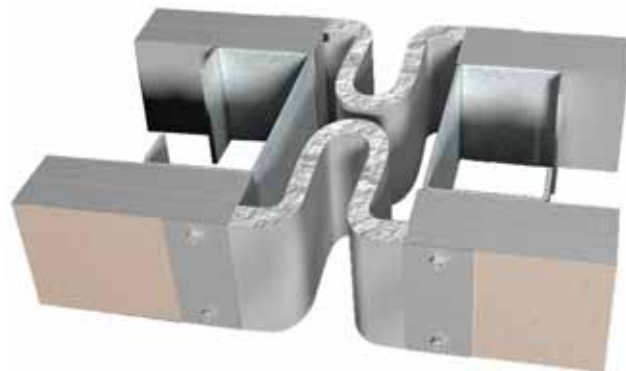
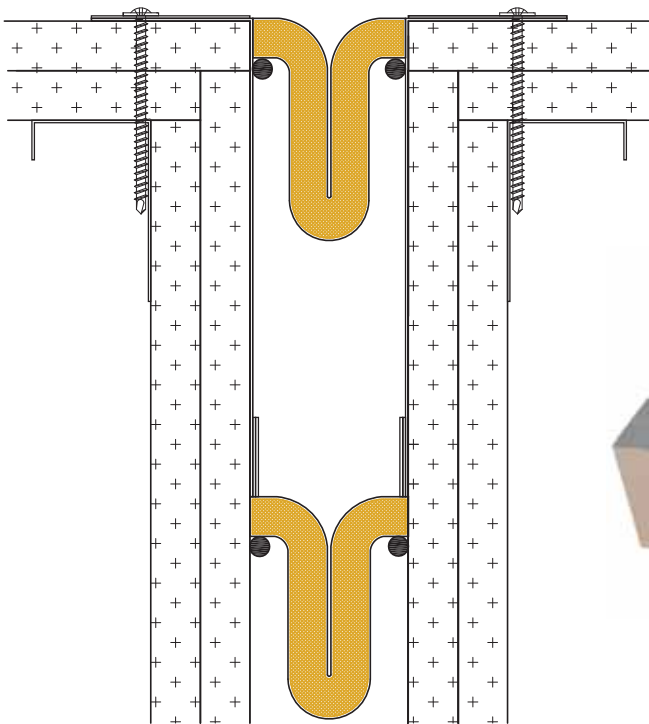


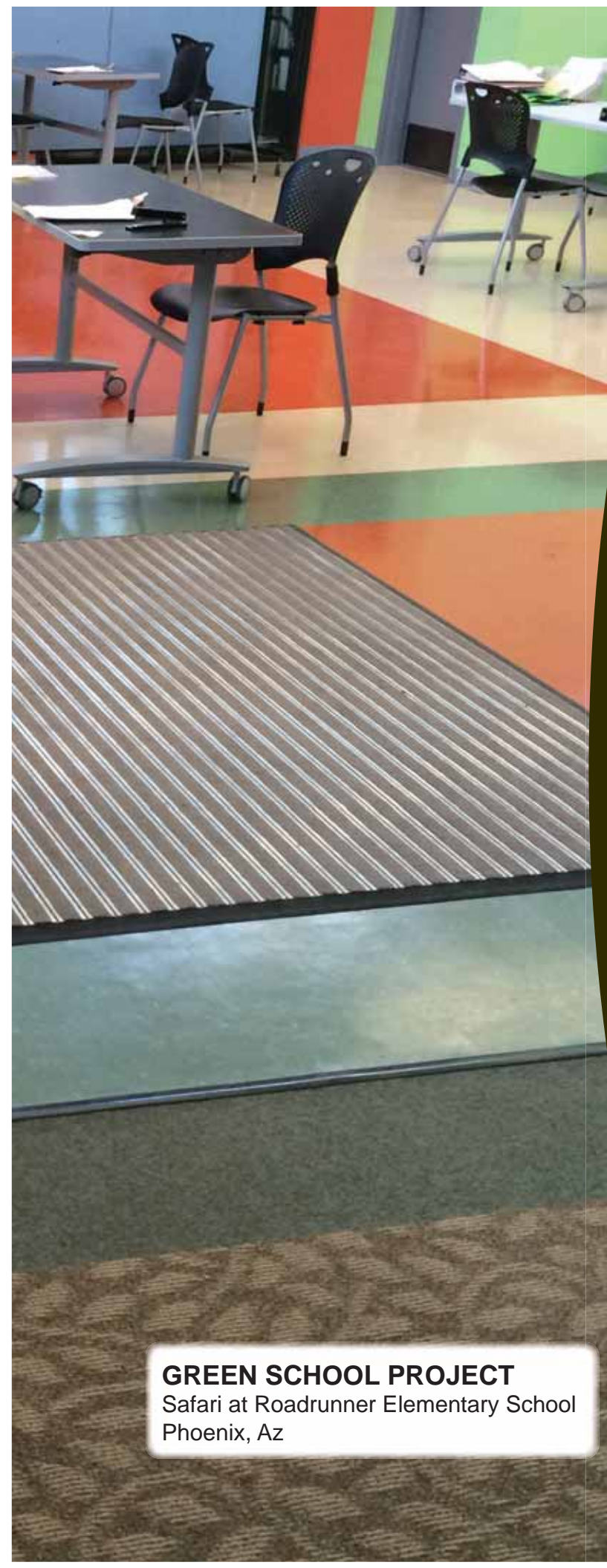
FIRE RATED SYSTEMS AVAILABLE

	2 HOUR	
	MAXIMUM OPENING	MINIMUM WALL THICKNESS
2HWFB-8	8" (203mm)	6" (152mm)
2HWFB-9	9" (229mm)	6" (152mm)
2HWFB-12	12" (305mm)	6" (152mm)
2HWFB-15	15" (381mm)	6" (152mm)
2HWFB-18	18" (457mm)	6" (152mm)
2HWFB-21	21" (533mm)	6" (152mm)
2HWFB-24	24" (610mm)	12" (305mm)
2HWFB-27	27" (686mm)	12" (305mm)
2HWFB-30	30" (762mm)	12" (305mm)
2HWFB-33	33" (838mm)	12" (305mm)
2HWFB-36	36" (914mm)	12" (305mm)

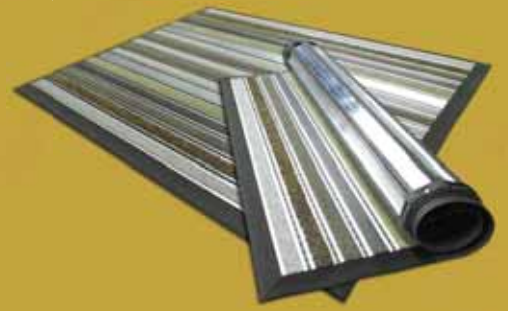
2HWFB

One-sided installation shown

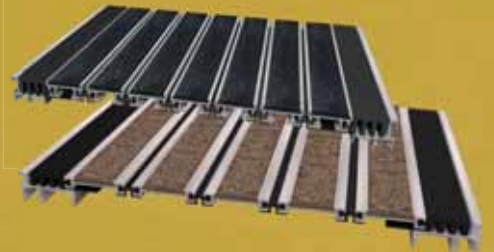




GREEN SCHOOL PROJECT
Safari at Roadrunner Elementary School
Phoenix, Az



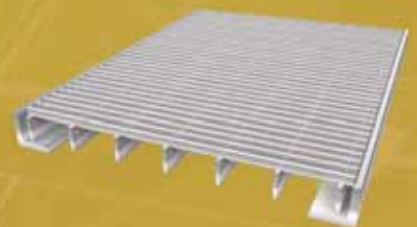
FLOOR MATS



FLEXGRIDS™



FLOOR GRIDS



ULTRAGRIDS™



A CSW Industrials Company

ENTRANCE FLOORING

DIVISION 124813

Balco's versatile series of Entrance Floor mats and grids gives you the design flexibility you need to create impressive entrances. Dirt and moisture collect underneath the surface to keep floors clean, improve air quality and extend the life of floor finishes.

St. Peter and Paul
Catholic Church
Independence, WI



Entrance Floor Mats

Balco's versatile series of Entrance Floor mats and grids gives you the design flexibility you need to create impressive entrances. Dirt and moisture collect underneath the surface to keep floors clean, improve air quality and extend the life of floor finishes.

RECESSED ROLL-UP MAT FMR

The FMR series is a vinyl hinge construction roll-up mat with standard mill finish aluminum tread rails. They are suitable for pedestrian traffic entrances and areas where custom shapes such as revolving doors are present.

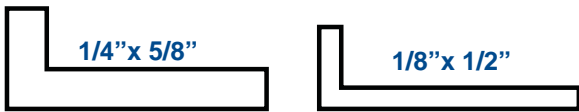


ANCHOR OPTIONS

Cast-In (Standard) **Modified Blockout**



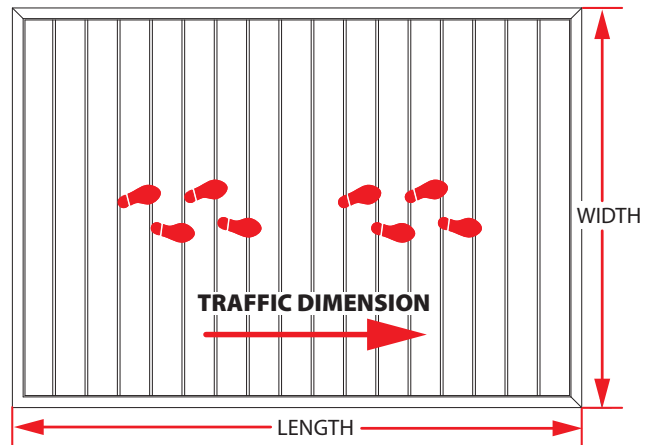
Aluminum Angle 14 **Aluminum Angle 18**



Pipe-Stub



RECESSED ROLL-UP MAT TRAFFIC VIEW



Due to size and weight limitations, product may be shipped in multiple sections.
Maximum: weight 150 pounds.

TREAD OPTIONS

FMR-C-Carpet



FMR-A-Abrasive



Available in Standard mill finish, Clear and Medium Bronze Anodized Finishes. For color options see Color Chart on pages 69 and 70.

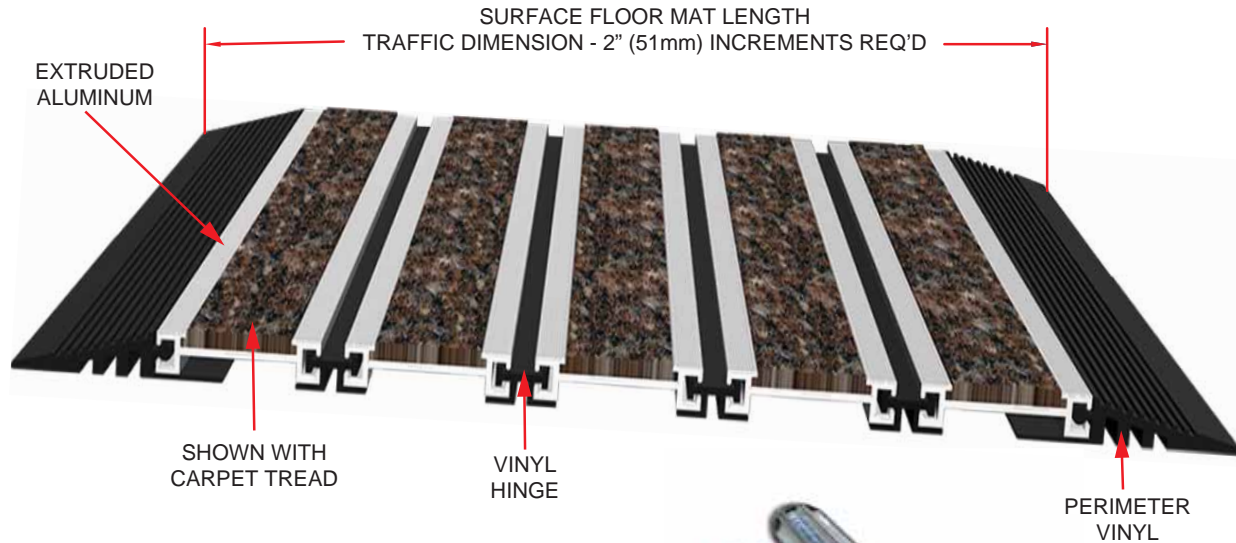


Recessed mats roll up for easy cleaning and maintenance.

SURFACE MOUNT ROLL-UP MAT

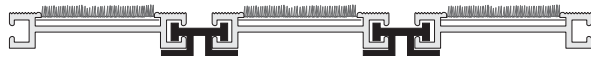
FMS

The FMS series roll-up mat is a vinyl hinge construction with an aluminum tread rail.



TREAD OPTIONS

FMS-C-Carpet



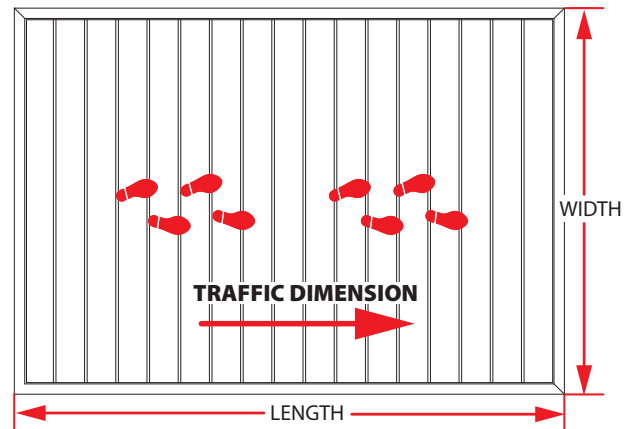
FMS-A-Abrasive



Mat rolls up for easy cleaning and maintenance.

Available in Standard mill finish, Clear and Medium Bronze Anodized Finishes. For color options see Color Chart on pages 69 and 70.

SURFACE ROLL-UP MAT TRAFFIC VIEW



Traffic dimensions for surface floor Mats only. Use following increments:

- (x)' - 1" (x)' - 7"
- (x)' - 3" (x)' - 9"
- (x)' - 5" (x)' - 11"

FRAME OPTIONS

Tapered Vinyl



Tapered Aluminum



Due to size and weight limitations, product may be shipped in multiple sections. Maximum: weight 150 lbs.

RECESSED ROLL-UP MAT FM2R

The FM2R series is an aluminum hinge construction roll-up. They are a perfect solution for areas where custom shapes are required.

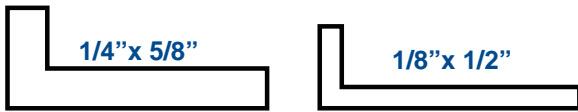


ANCHOR OPTIONS

Cast-In (Standard) Modified Blockout



Aluminum Angle 14 Aluminum Angle 18



Pipe-Stem



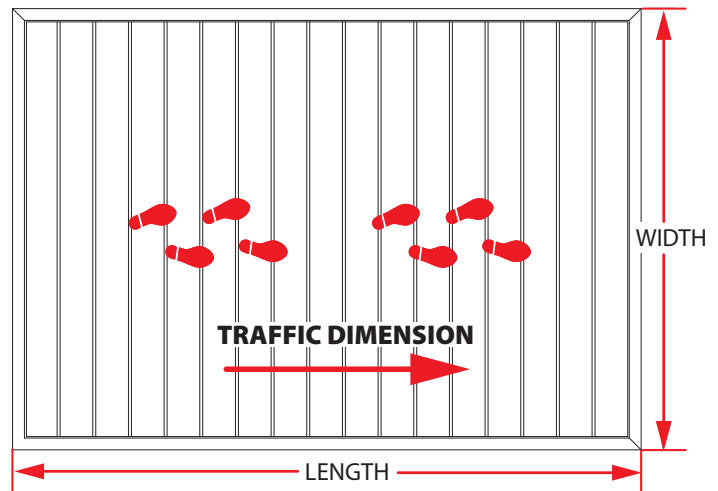
TREAD OPTIONS

FM2R-C-Carpet



Available in Standard mill finish, Clear and Medium Bronze Anodized Finishes. For color options see Color Chart on pages 69 and 70.

RECESSED ROLL-UP MAT TRAFFIC VIEW



Due to size and weight limitations, product may be shipped in multiple sections.

Maximum: length 12' x 4', or, weight 150 pounds.



Recessed mats roll up for easy cleaning and maintenance.

SURFACE ROLL-UP MAT

FM2S

The FM2S series is an aluminum hinge construction roll-up.



TREAD OPTIONS

FM2S-C-Carpet



Available in Standard mill finish, Clear and Medium Bronze Anodized Finishes. For color options see Color Chart on pages 69 and 70.



Mat rolls up for easy cleaning and maintenance.

FRAME OPTIONS

Tapered Vinyl

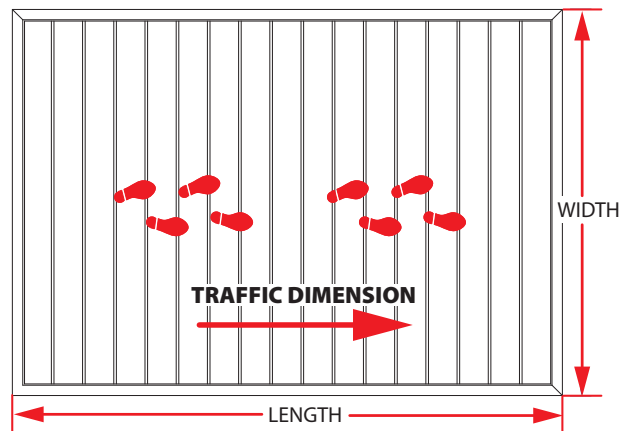


Tapered Aluminum



Due to size and weight limitations, product may be shipped in multiple sections.
Maximum: length 12' x 4', or, weight 150 lbs.

SURFACE ROLL-UP MAT TRAFFIC VIEW



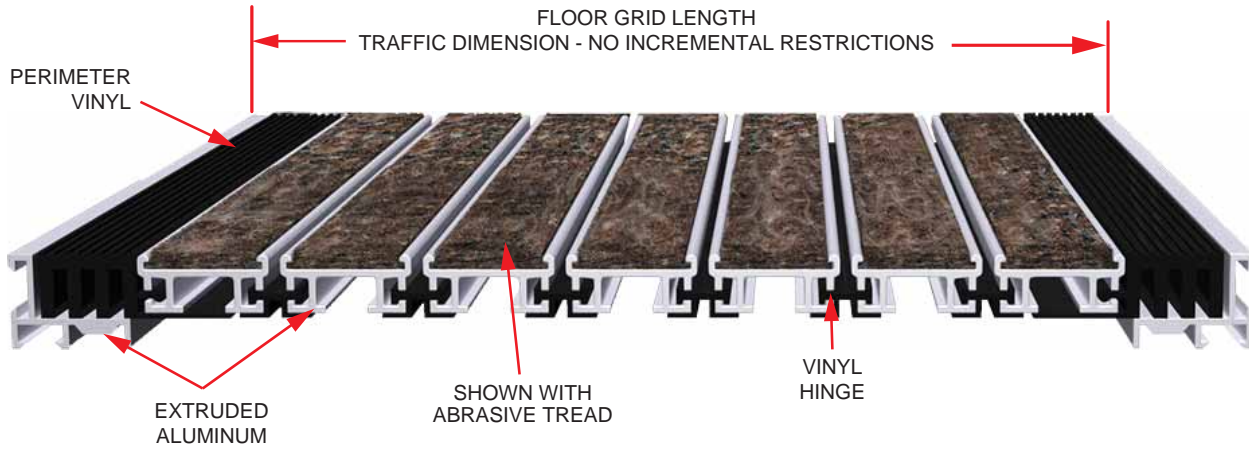
Traffic dimensions for surface floor Mats only. Use following increments:

- (x)' - 1" (x)' - 7"
- (x)' - 3" (x)' - 9"
- (x)' - 5" (x)' - 11"

FlexGrid™ Heavy Duty Low Profile Roll-Up Grids

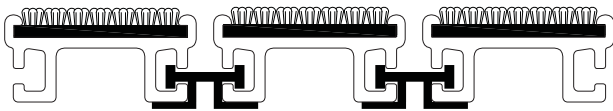
The FlexGrid™ entrance system from Balco provides the best of both worlds. The low profile grid design provides the maximum durability and performance, while its flexibility allows the grid to be rolled back for easy cleaning.

RECESSED ROLL-UP GRID FGLP

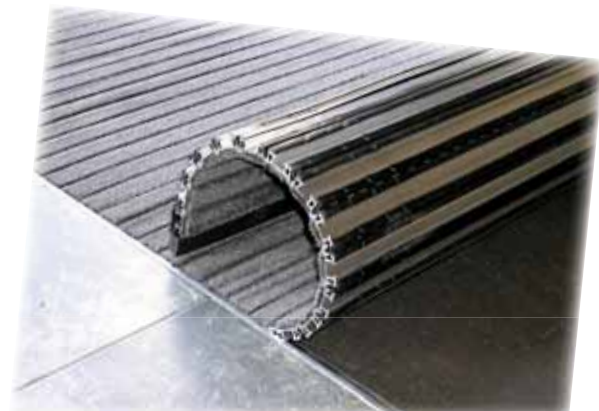
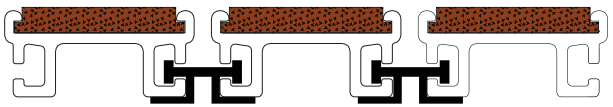


TREAD OPTIONS

FGLP-C-Carpet



FGLP-A-Abrasive

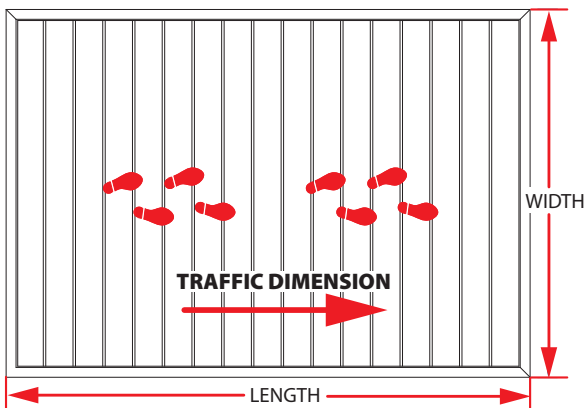


Recessed mats roll up for easy cleaning and maintenance.

Low profile roll-up grid handles heavy rolling loads up to 1500 pounds.

Available in Standard mill finish, and Clear Finish. For color options see Color Chart on page 74 and 75.

ROLL-UP FLOOR GRID TRAFFIC VIEW



Due to size and weight limitations, product may be shipped in multiple sections. Maximum: weight 150 pounds.

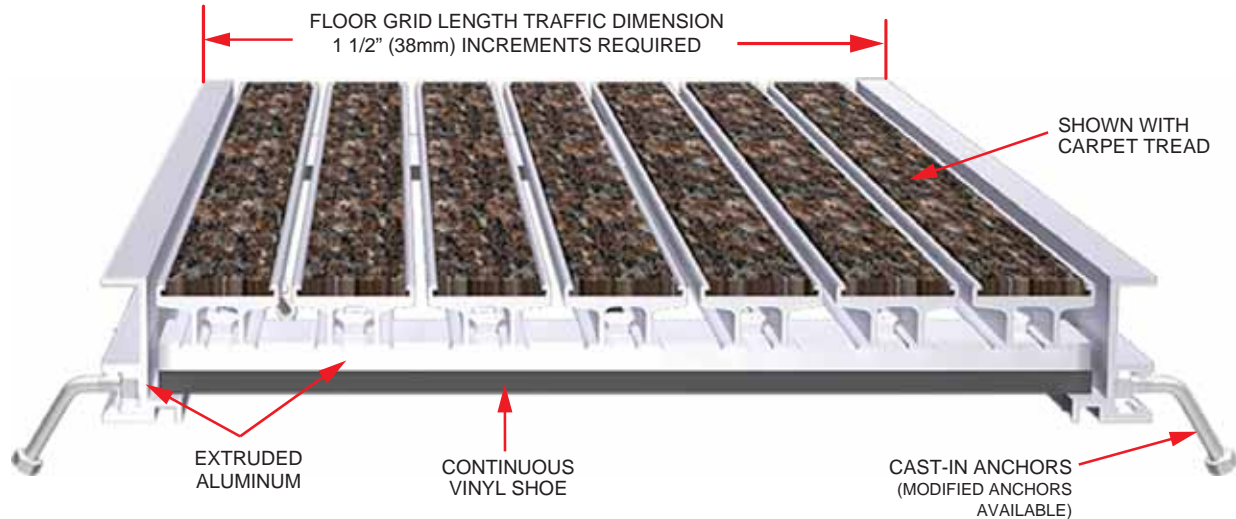
For color options see Color Chart on pages 69 and 70.

Entrance Floor Grids

All entrance grids are ADA compliant slip-resistant entry flooring systems with either a shallow pit or deep pit recess that collects high volumes of dirt and water in areas where high levels of pedestrian traffic and heavier than normal pedestrian loads occur. No special tools are required for maintenance.

SHALLOW PIT FLOOR GRIDS

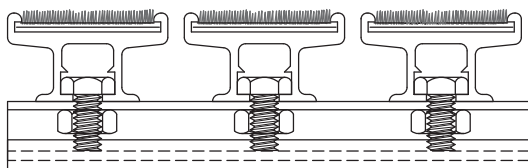
FG-1 1/2



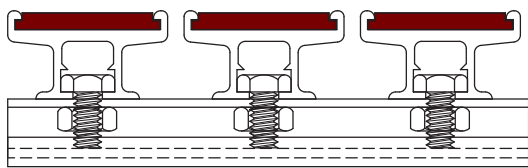
TREAD OPTIONS

Options Available for both FG and FGDP

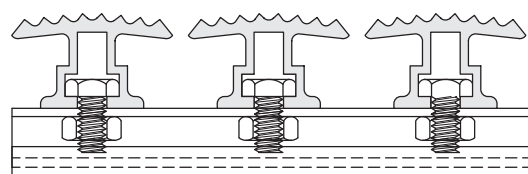
FG-1 1/2C-Carpet



FG-1 1/2A-Abrasive



FG-1 1/2S-Serrated

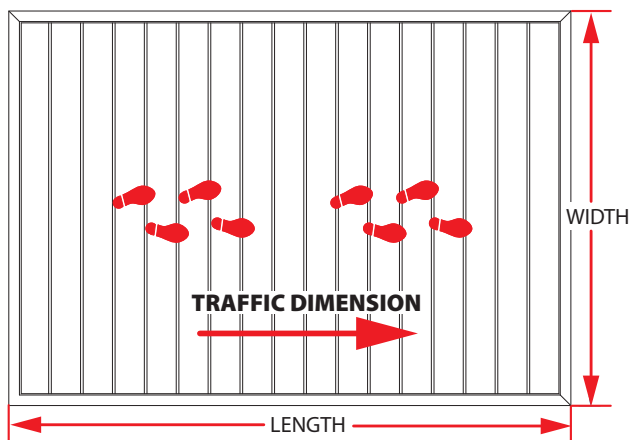


For color options see Color Chart on pages 69 and 70.



Grid lifts up for easy cleaning and maintenance.

FLOOR GRID TRAFFIC VIEW

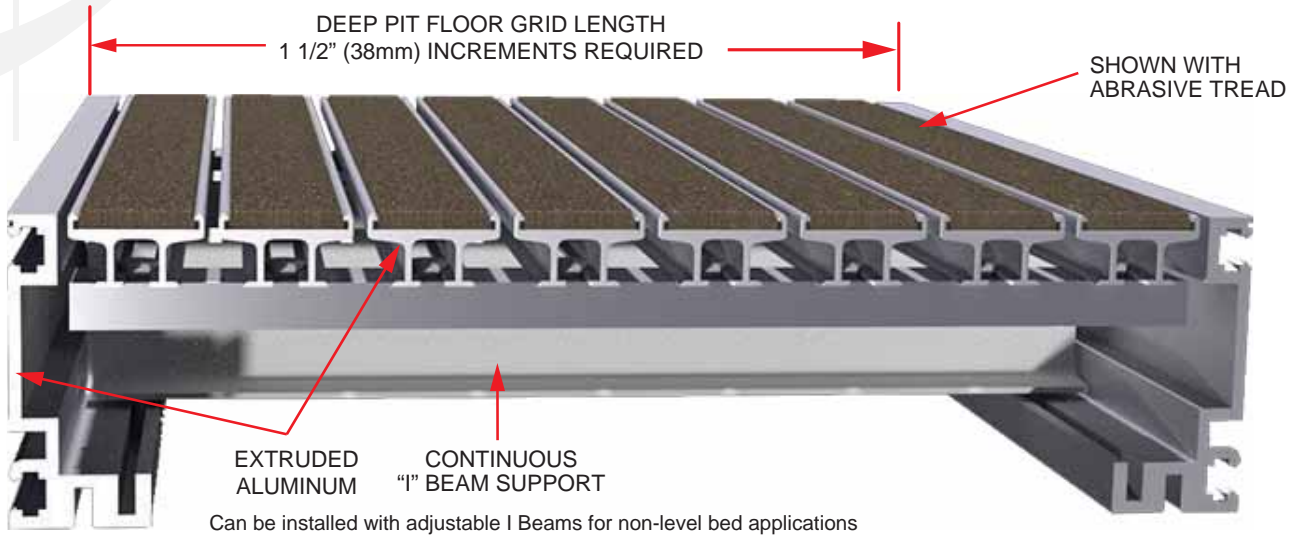


Use the Following Increments:

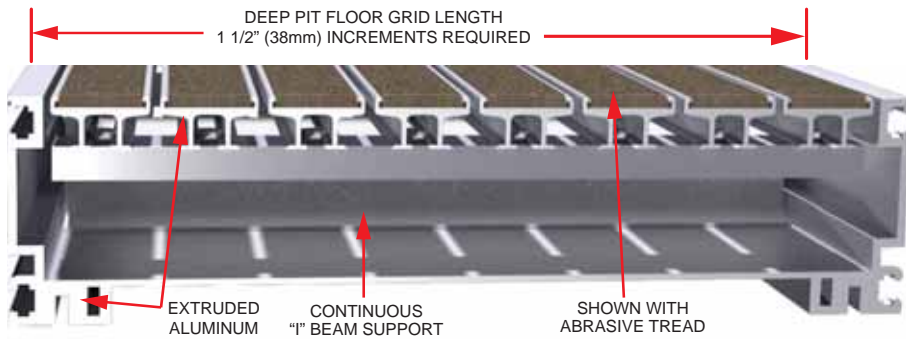
- | | |
|---------------|----------------|
| (x)' - 1" | (x)' - 7" |
| (x)' - 2 1/2" | (x)' - 8 1/2" |
| (x)' - 4" | (x)' - 10" |
| (x)' - 5 1/2" | (x)' - 11 1/2" |

Due to size and weight limitations, product may be shipped in multiple sections. Maximum: weight 150 lbs.

DEEP PIT FLOOR GRID FGDP-1 1/2



FGDP-1 1/2 With Pan



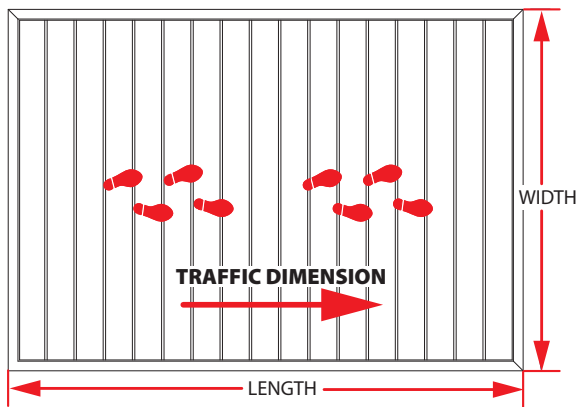
STANDARD PAN MATERIAL



OPTIONAL PAN MATERIALS



FLOOR GRID TRAFFIC VIEW



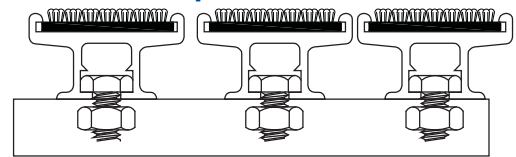
Use the Following Increments:

- (x)' - 1" (x)' - 7"
- (x)' - 2 1/2" (x)' - 8 1/2"
- (x)' - 4" (x)' - 10"
- (x)' - 5 1/2" (x)' - 11 1/2"

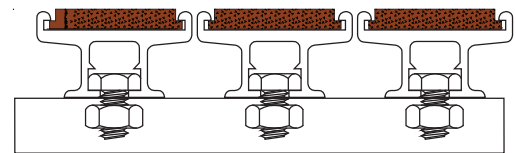
Due to size and weight limitations, product may be shipped in multiple sections.
Maximum: weight 150 pounds.

TREAD OPTIONS

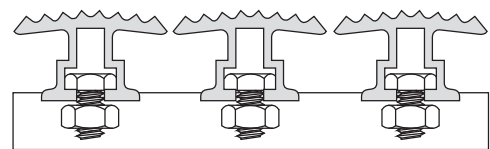
FGDP-C-Carpet



FGDP-A-Abrasive



FGDP-S-Serrated



Designer Pattern Entrance Flooring

Balco's Designer Pattern Entrance Flooring provides various color schemes to enhance the look of entrances to buildings and to allow greater coordinating options for surrounding architectural finishes.

DESIGNER PATTERNS

Designer Pattern Entrance Flooring has a repeating pattern of alternating tread rails of abrasive, heavy duty and standard carpet that provides multiple cleaning surfaces and extended life to the mat and interior floor finishes.

PAINTED DESERT:

- Red Stone Abrasive
- Coffee Bean HD Carpet
- Burnt Sierra Standard Carpet
- Coffee Bean HD Carpet
- Bronze Hinge and Perimeter Vinyl for FMR, FMS and FGLP only



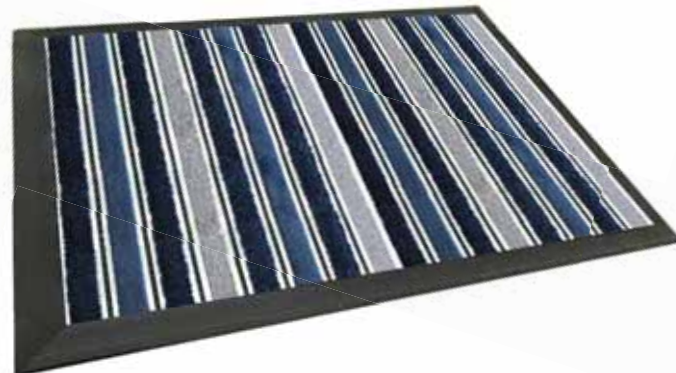
NIGHT SKY:

- Black Rain Abrasive
- Black Onyx HD Carpet
- Graphite Standard Carpet
- Black Onyx HD Carpet
- Black Hinge and Perimeter Vinyl for FMR, FMS and FGLP only



BLUE LAGOON:

- Rare Earth Abrasive
- Blue Sapphire HD Carpet
- Denim Standard Carpet
- Blue Sapphire HD Carpet
- Black Hinge and Perimeter Vinyl for FMR, FMS and FGLP only



WARM CHESTNUT:

- Rare Earth Abrasive
- Coffee Bean HD Carpet
- Fawn Standard Carpet
- Coffee Bean HD Carpet
- Bronze Hinge and Perimeter Vinyl for FMR, FMS and FGLP only



AVAILABLE MODELS

FMS-D
Surface Roll-up Mats



FMR-D
Recessed Roll-up Mats



FGLP-D
Heavy Duty Roll-Up Grids



FG-1 1/2D
Shallow Pit Grids



FGDP-D
Deep Pit Grids



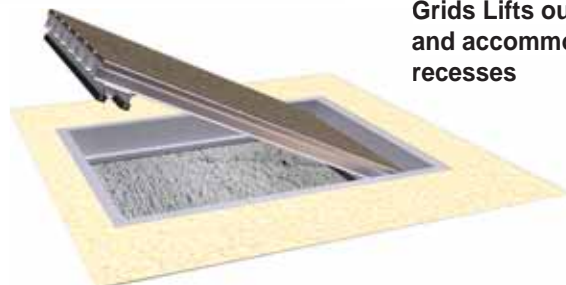
Shown with abrasive inserts, designer inserts available



Mat rolls up for easy cleaning and maintenance.



Recessed mats roll up for easy cleaning and maintenance.



Grids Lifts out for easy cleaning and accommodate deeper recesses

For color options see Color Chart on pages 69 and 70.

Entrance Flooring Color Options

CARPET OPTIONS

STANDARD

Standard carpet is made of nylon yarn .350" (8.9mm) thick with a polypropylene backing.



Ash



**Burnt
Sierra**



Denim



Fawn



Graphite



**Black
Granite**



Gunmetal

HEAVY DUTY

Possible upcharge

Heavy duty carpet is made from polypropylene yarn .350" (8.9mm) thick, which is a 50/50 blend of 600/12 denier multifilament and 595/D1 denier monofilament with a polypropylene backing.



Blackout



**Black
Onyx**



**Blue
Sapphire**



**Coffee
Bean**



**Gray
Quartz**

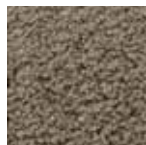


**Imperial
Topaz**

ABRASIVE OPTIONS



**Twilight
Blue**



**Canyon
Tan**



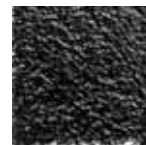
**Gravel
Gray**



**Brown
Bark**



**Pineland
Green**



Black



**Black
Rain**



**Silver
Gray**



**Rare
Earth**



**Red
Stone**



Yellow

Disclaimer: Color chart is for reference only. Contact factory for physical samples, as colors may vary.

ANODIZED METAL OPTIONS

All anodized metal options are subject to additional charges and may have extended lead times.



Clear



Black



Champagne



**Light
Bronze**



**Medium
Bronze**



**Dark
Bronze**

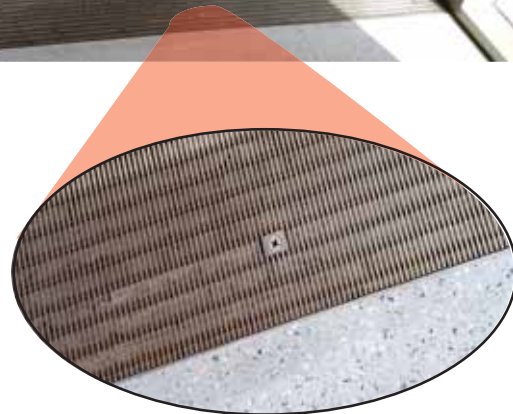
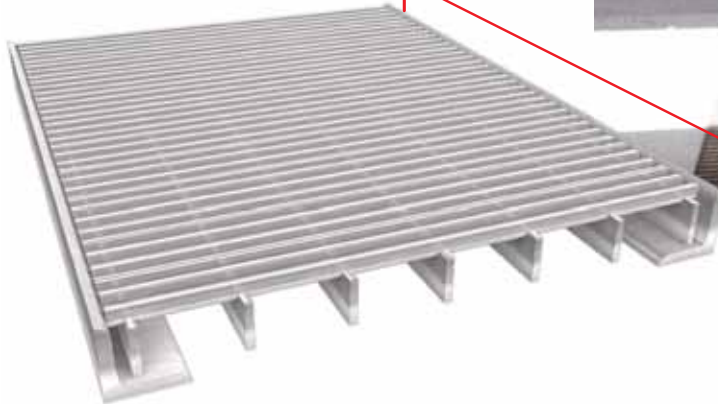


UltraGrid™ Entrance Grids

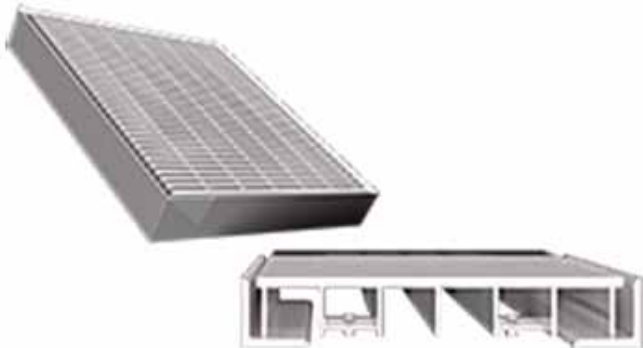
Our SSMR UltraGrids™ are designed to improve air quality and lower maintenance costs for commercial buildings by removing dirt, snow and water from pedestrians and carts entering a building. The stainless steel designs are rugged, architecturally appealing and easy to maintain.

STAINLESS STEEL GRIDS SSMR-58

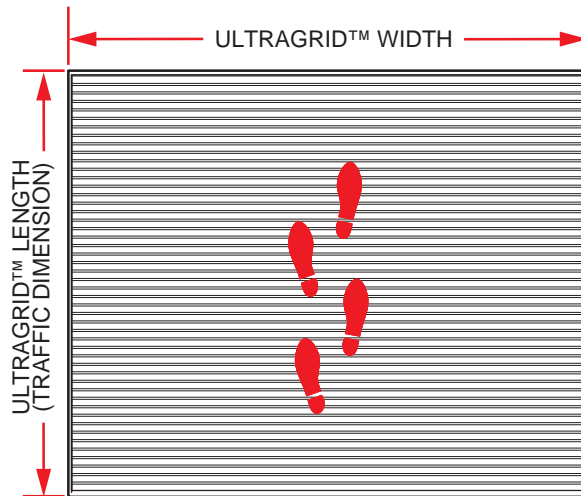
SSMR FLOOR GRID LENGTH
1 1/16" INCREMENTS REQUIRED



SSMR-118



ULTRAGRID™ TRAFFIC VIEW

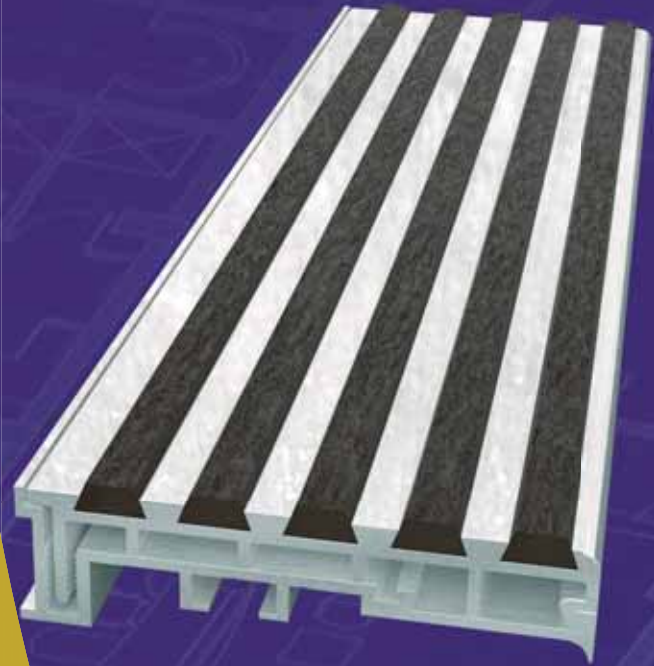
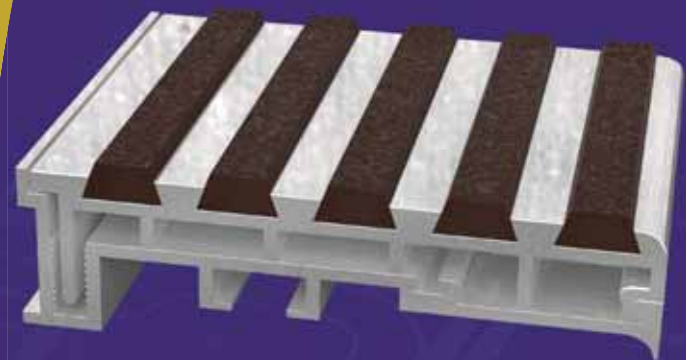


FEATURES AND BENEFITS

- Stainless Steel is easy to keep clean
- Two depths available SSMR-58 has a 5/8" grid and SSMR-118 has a 1 1/8" deep grid.
- 62% Open air to trap dirt, snow, and water.
- Robust .090" (#9 V-wire) design has an architecturally appealing finish and is strong.
- Grid and Frames are made of 304 Stainless Steel
- Standard loads are 500 LBS rolling load 2000 passes 5" length x 2" wide wheel
- Provided with Hidden stainless steel subsurface fasteners and hold downs
- Available for LEED® points
- Tested to ASTM standards for slip resistance (not recommended for exterior use)
- Multiple sections can be spliced together to create large area
- Meets industry standard tolerances for flatness and squareness

SSMR are available in 1/16" Increments.
Due to size and weight limitations, product may be shipped in multiple sections.
Maximum: length 86" x 90" or weight of 200 pounds.

Broward Center for the Performing Arts
Broward County, FL





A CSW Industrials Company

STAIR NOSINGS

DIVISION 055000

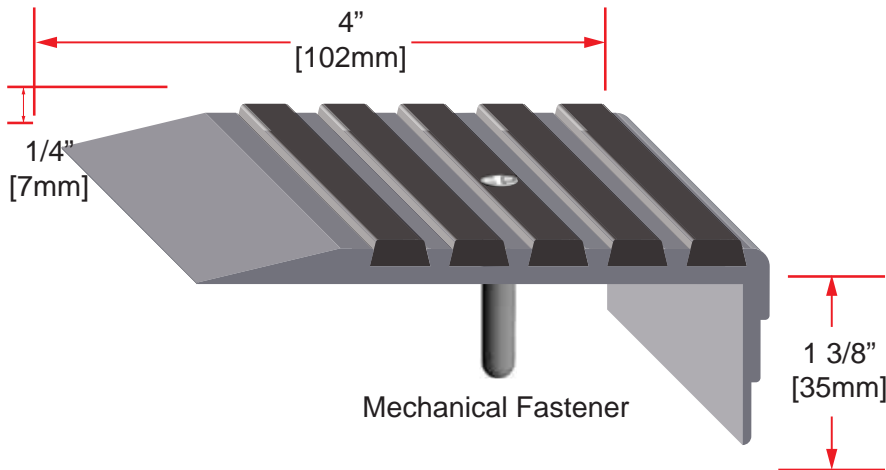
Balco Stair Nosing products serve multiple purposes that improve the leading edge of stair treads. Our proprietary abrasive infill provides a long wearing slip resistant surface that retains its color and stays intact under deflection of heavy pedestrian loads. We have several designer colors that are integral throughout the abrasive material.



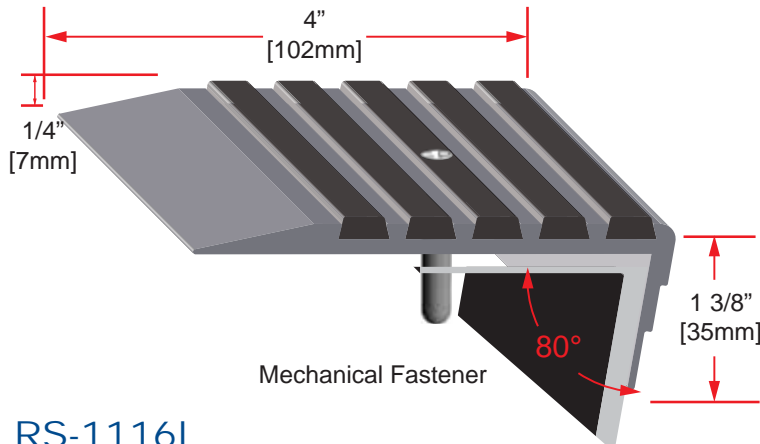
Retrofit Stair Nosing

Balco retrofit stair nosing systems provide safety, durability and long-term value to your facility. Like all Balco Products, they are economical, durable and easy to install. Whether new construction or renovation, Balco has the right solutions for all of your stair nosing needs.

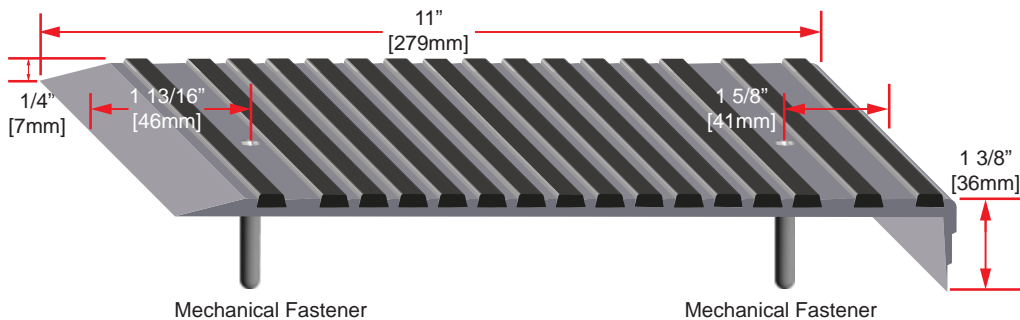
RS SERIES RS-405L



RS-405LP



RS-1116L



OPTIONAL ANCHORS

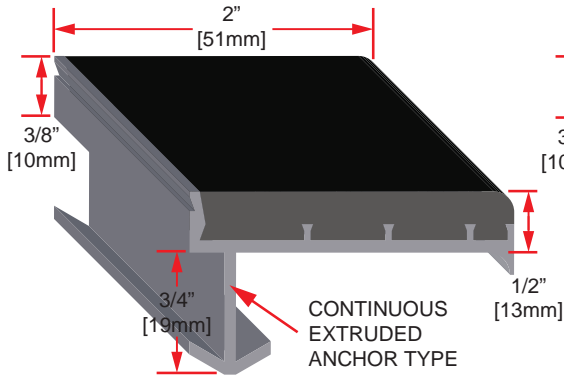


For color options
see Color Chart
on page 81.

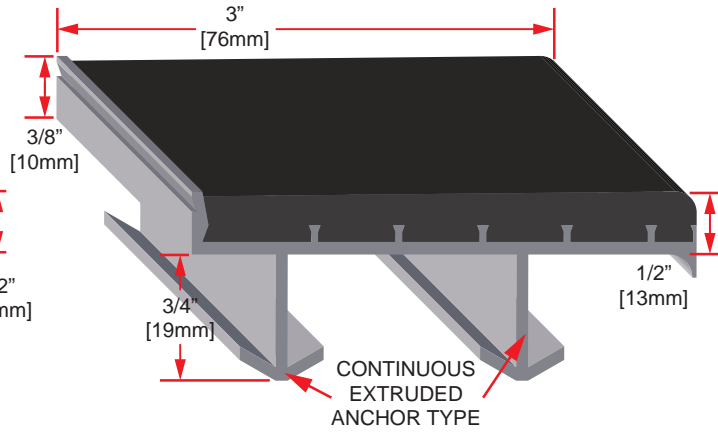
Single Component Stair Nosings

Balco single component stair nosings create a flush mounted slip resistant surface that is cast directly into new steps to create an impact resistant visual leading edge that will prolong the life of your stairs.

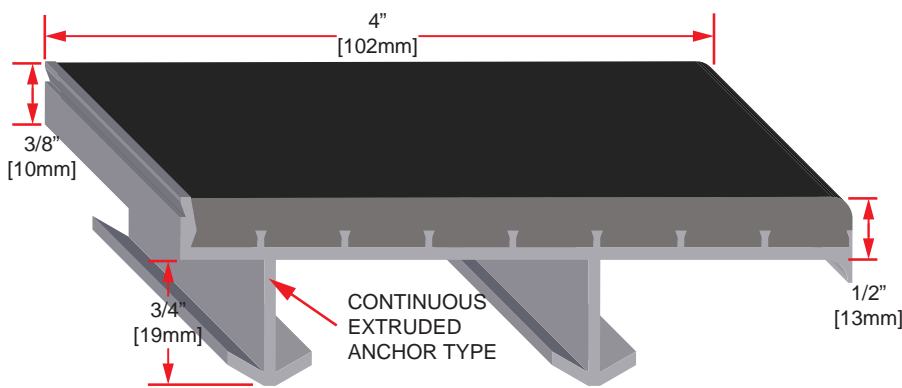
P-200



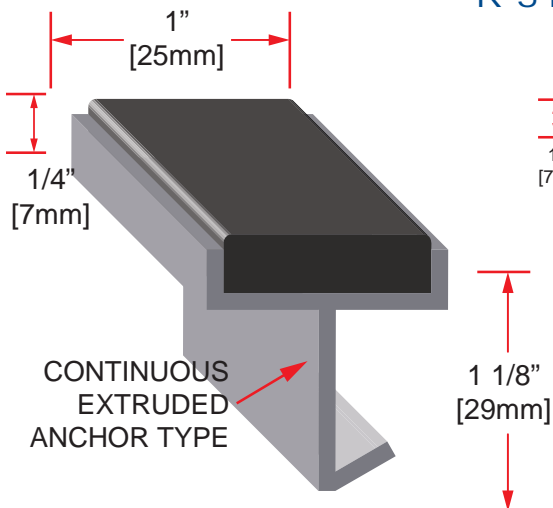
P-300



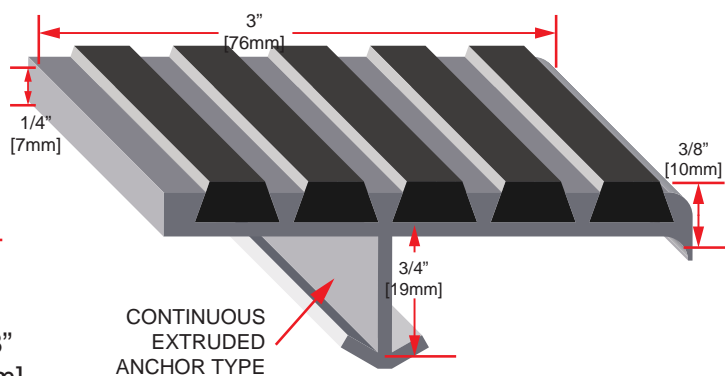
P-400



H-10

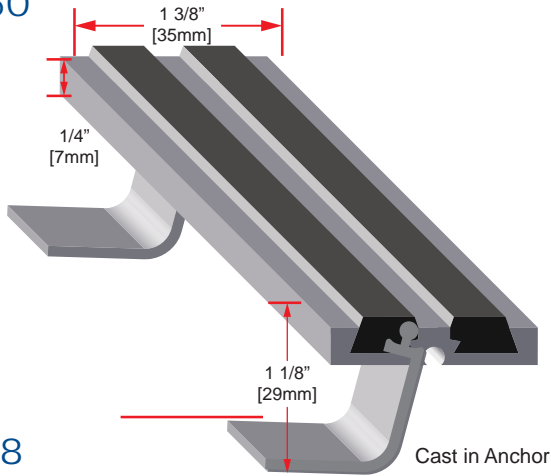


R-315PC

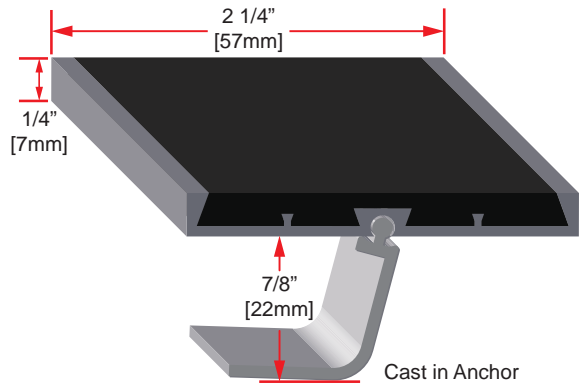


For color options see Color Chart on page 81.

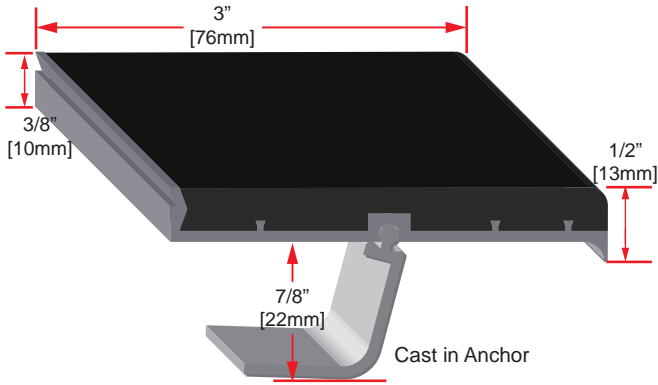
PC-150



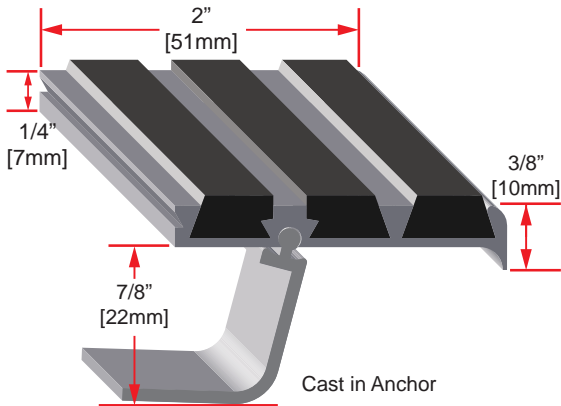
H-225



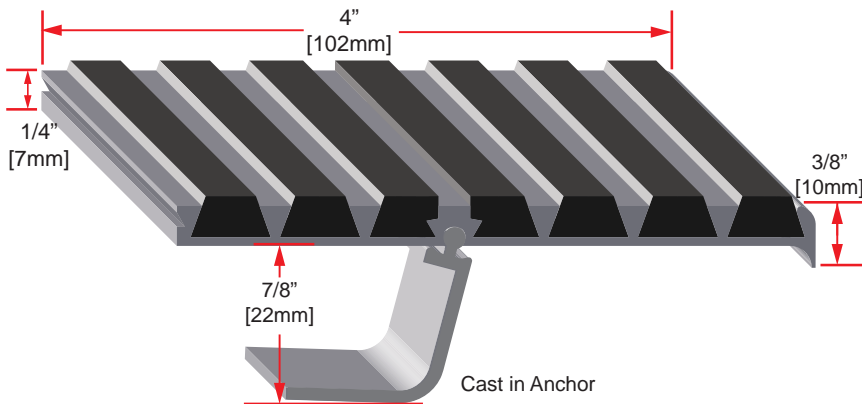
HS-338



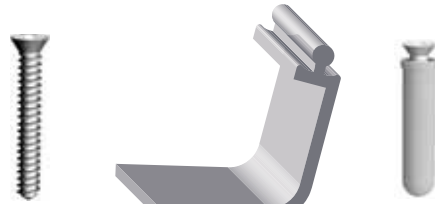
T SERIES
T-213



T-417



OPTIONAL ANCHORS

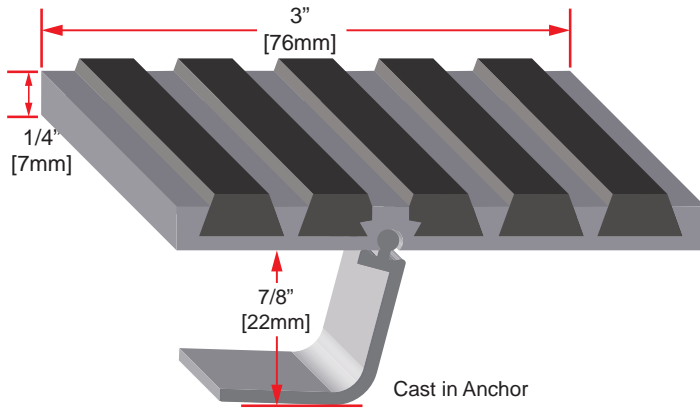


- Type 5
Wood Screw
(Extra charge for drilling)
- Type 6
Ball Anchor
- Type 7
Concrete Anchor
(Extra charge for drilling)

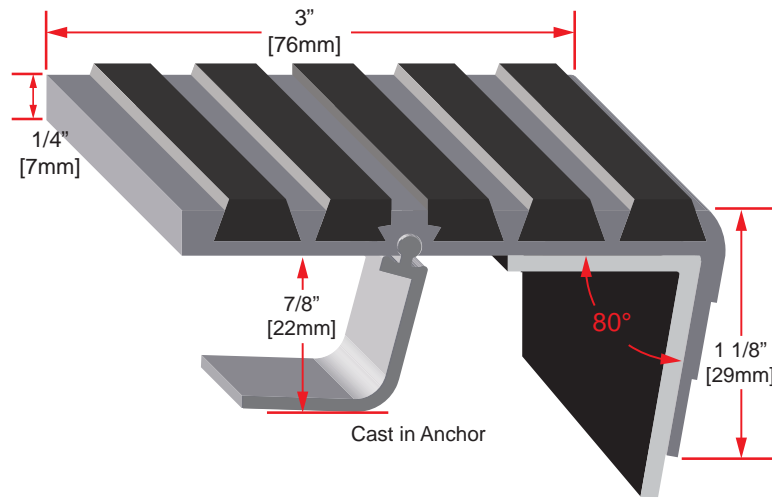
1" (25mm) wide at 12" (305mm) O.C.;
Type 6 also available as a continuous
length at an additional charge.

For color options see Color
Chart on page 81.

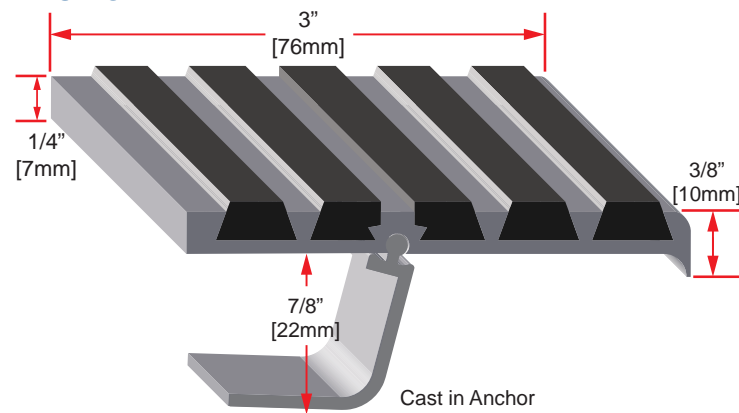
R-300



R-315LP



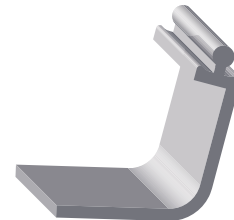
R-315P



OPTIONAL ANCHORS



Type 5
Wood Screw
(Extra charge for drilling)



Type 6
Ball Anchor



Type 7
Concrete Anchor
(Extra charge for drilling)

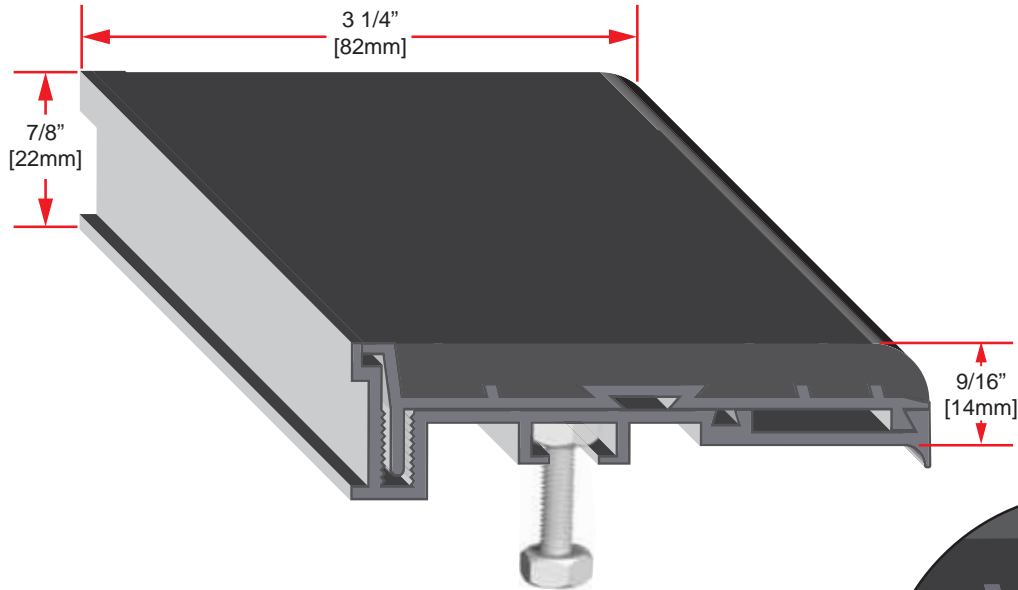
1" (25mm) wide at 12" (305mm) O.C.; Type 6 also available as a continuous length at an additional charge.

For color options see Color Chart on page 81.

Two Component Stair Nosings

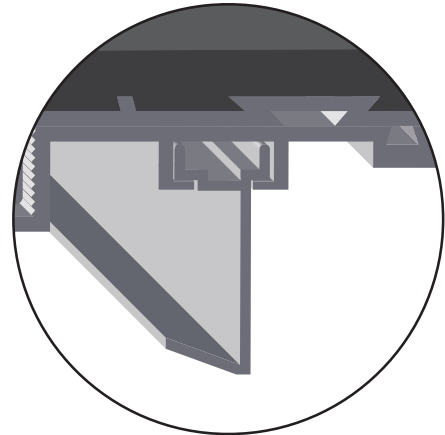
Balco two component stair nosings provide for pre-installation of an aluminum extruded base to be cast into the concrete step which allows the construction of the stairs to continue without damaging the finished stair nosing. A simple block of wood is removed and replaced with the second component, which is a finished stair nosing, installed at the time of occupancy so the reveal is clean for the opening day.

DXH-330

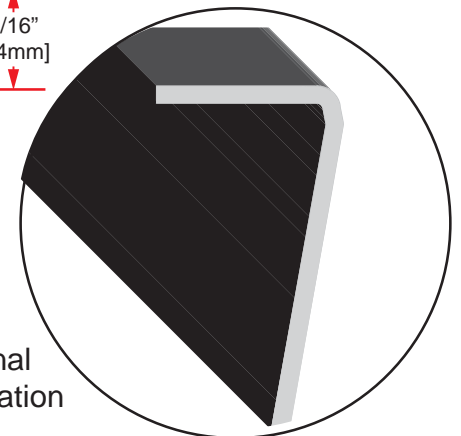
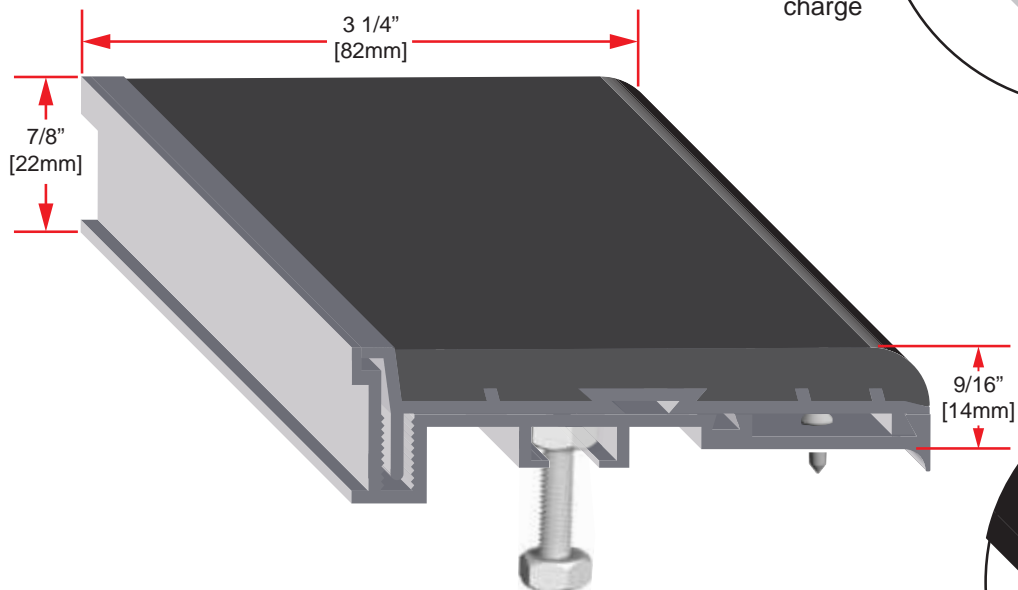


OPTIONAL ANCHORS

Type 3
Continuous
Anchor
Additional
charge

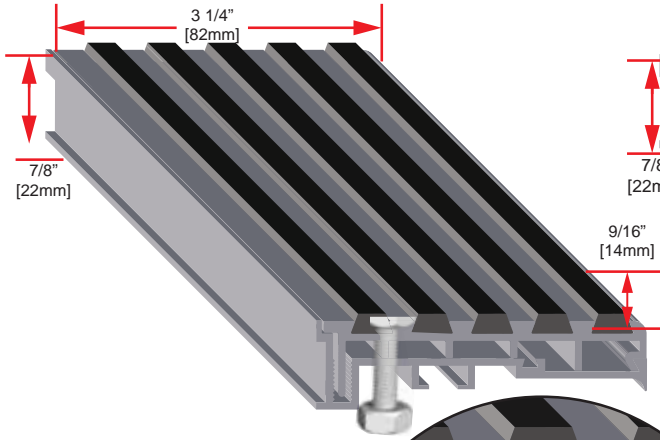


DXH-330 PAN STAIR

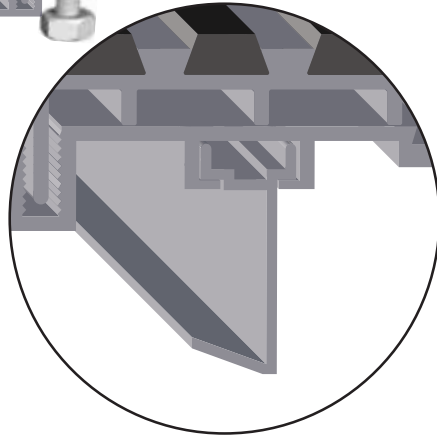
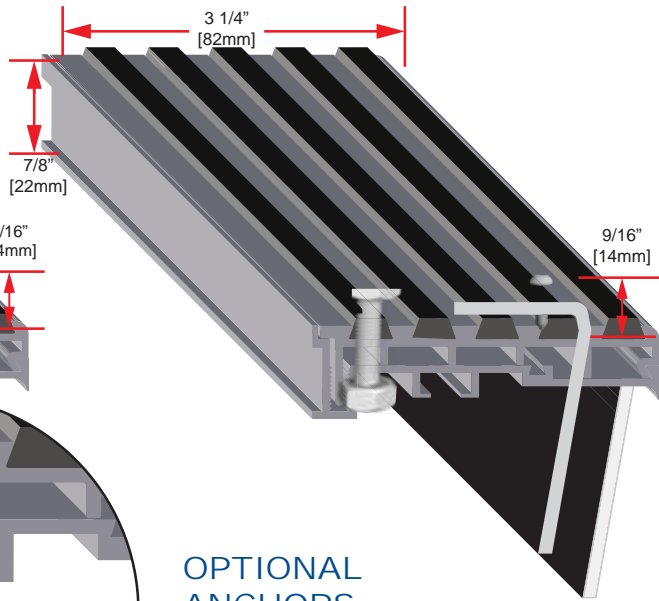


Optional
Installation

DST-330



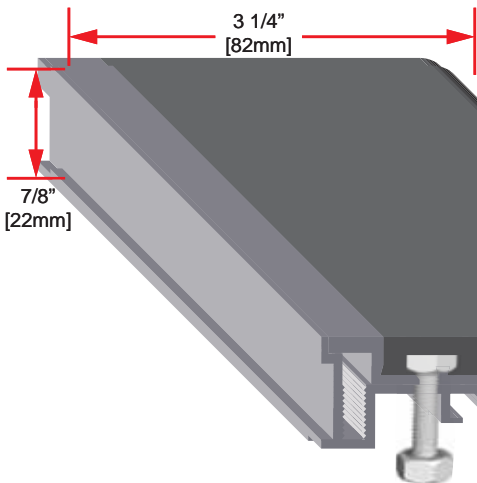
DST-330
PAN STAIR



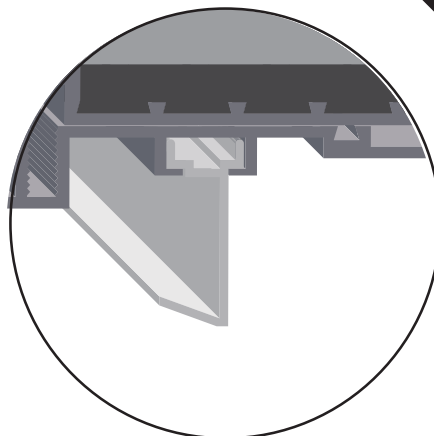
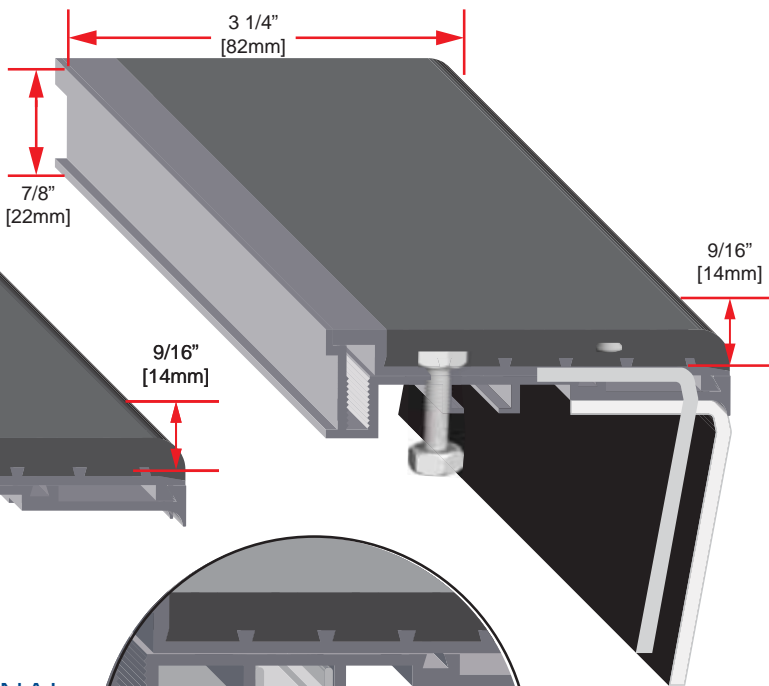
OPTIONAL
ANCHORS

Type 3
Continuous
Anchor
Additional
charge

XH SERIES
XH-330



XH-330
PAN STAIR



OPTIONAL
ANCHORS

Type 3
Continuous
Anchor
Additional
charge

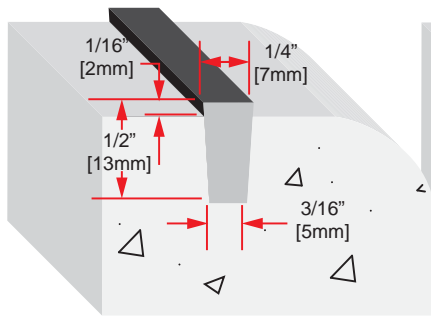
For color options see
Color Chart on page 81.

Abrasive Bars

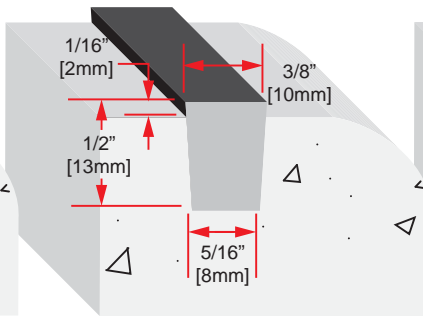
Balco abrasive bar stair nosing products provide an ADA compliant slip-resistant visual leading edge that protect concrete steps at walkways, slopes and stairways. Our stair nosings have a proprietary epoxy abrasive that is both hard and flexible at the same time. Our epoxy is embedded into and raised above the concrete or wood flooring to allow for deflection from high volume traffic without chipping, cracking or losing its integral color aggregate.

AS SERIES

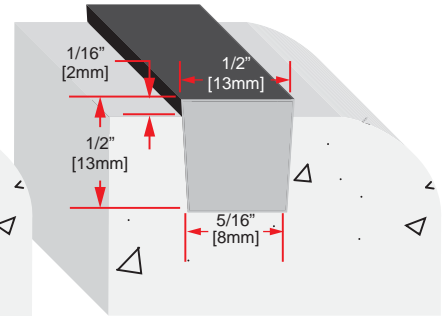
AS-2



AS-3



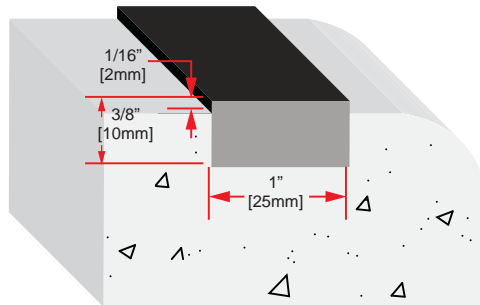
AS-4



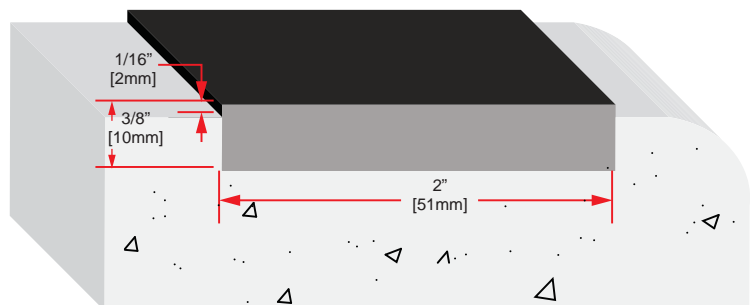
Abrasive bars are shipped in 4 foot maximum lengths.

AB SERIES

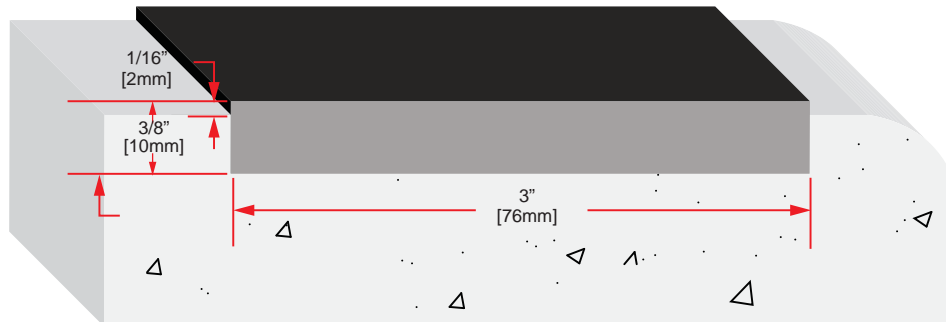
AB-1



AB-2



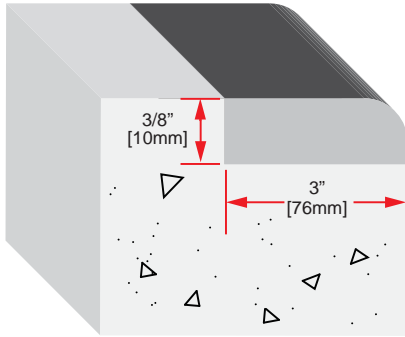
AB-3



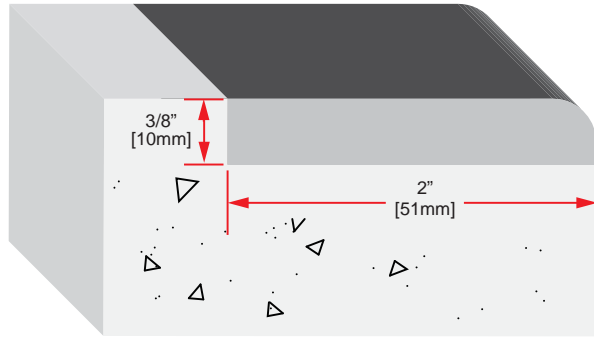
For color options see
Color Chart on page 81.

ANB SERIES

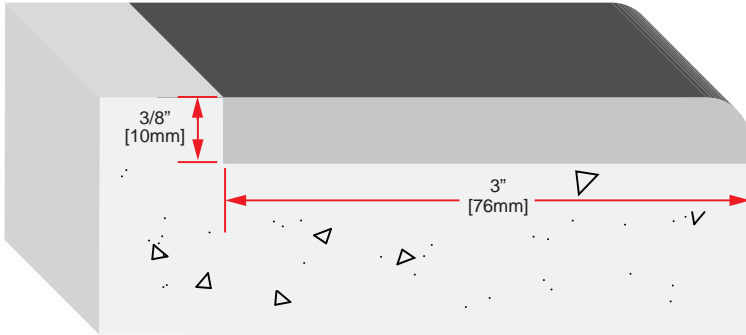
ANB-1



ANB-2



ANB-3

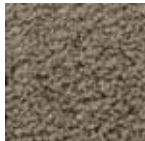


STAIR NOSING COLOR OPTIONS

ABRASIVE OPTIONS



**Twilight
Blue**



**Canyon
Tan**



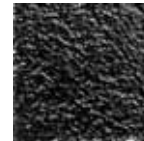
**Gravel
Gray**



**Brown
Bark**



**Pineland
Green**



Black



**Black
Rain**



**Silver
Gray**



**Rare
Earth**



**Red
Stone**



Yellow

ANODIZED METAL OPTIONS

All anodized metal options are subject to additional charges and have extended lead times.



Clear



Black



Champagne



**Light
Bronze**



**Medium
Bronze**



**Dark
Bronze**

Disclaimer: Color chart is for reference only. Contact factory for physical samples, as colors may vary.

Busch Stadium
St Louis, MO





A CSW Industrials Company

ILLUMITREAD™ EGRESS AND STAIR NOSING MARKINGS

DIVISION 101443

Balco IllumiTread™ is designed to provide an intuitive glow-in-the-dark marking system for emergency egress stairwells. These systems are charged by ambient light and emit the charge as a glow when lights are out. We provide markings for stair nosing, handrails, landings, obstruction markings, directional signage and floor identification. Our systems are non-electric and non-radioactive.



Riverwalk
San Antonio, TX



With life safety in mind,

Balco is at the forefront of research and development of performance based photoluminescent products for emergency escape situations when electrical power is lost or visibility is limited due to smoke-filled stairwells. Our research and innovation has led to numerous performance criteria standards for ASTM, UL[®], NIST, NFPA and others to ensure safety and long-term endurance of photoluminescent products. Balco is committed to assisting in the development of building code standards for the building industry in the United States and worldwide.



IllumiTread™ Photoluminescent Egress and Stair Nosing Markings

Balco's IllumiTread™ product line provides a non-electric routing system that lights the path by creating an intuitive route that can be easily followed during an emergency evacuation of high rise buildings, stadiums, arenas, medical facilities, hotels, multi-story buildings and parking garages.

Demarcation Strips

Obstruction Strips

Hand Rail Strips

Stairway Identification Signage

Stair Nosings

Door Signage

**CLASSIFIED
UL
US**

**NORTH STAIR
FLOOR
5
FLOOR 1 TO FLOOR 24
NO ROOF ACCESS
DOWN TO FLOOR 1
FOR EXIT DISCHARGE**

IllumiTread™ Photoluminescent Egress Markings

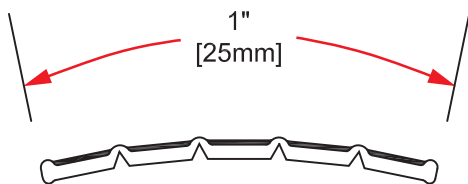
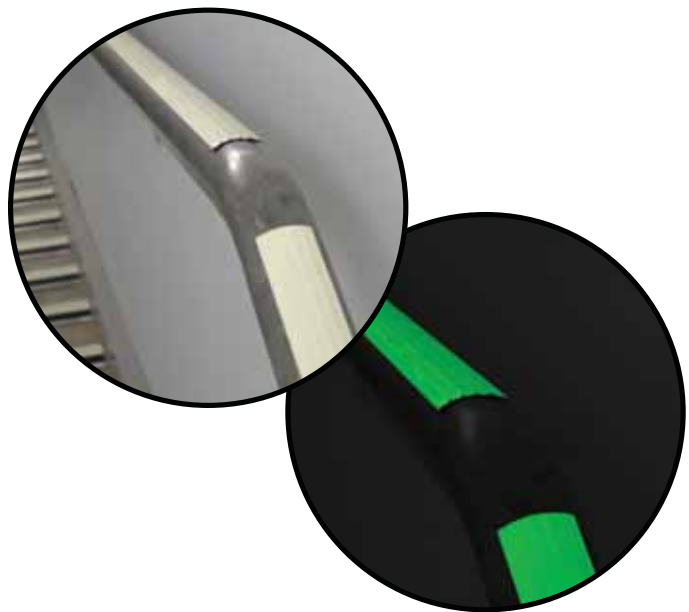
Balco IllumiTread™ Photoluminescent egress markings create an intuitive path for emergency escape from a high rise building, hospital, stadium or arena. IllumiTread™ egress markings are IBC compliant systems that provide a lighted path during loss of power.

ALUMINUM HAND RAIL STRIPS

Balco IllumiTread™ hand rail strips are a glow-in-the-dark profile are surface applied to allow for secure visible hand placement during egress navigation.

Aluminum hand rail strips are constructed of extruded aluminum curved profiles with photoluminescent coating making them very durable. Material is radiused to fit 1 1/2" and 2" hand rails.

4010C

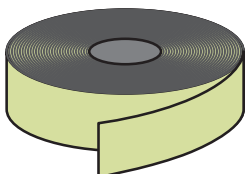
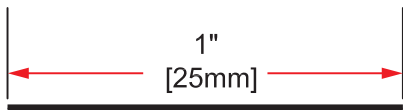


Available in 10' (3048mm) lengths .

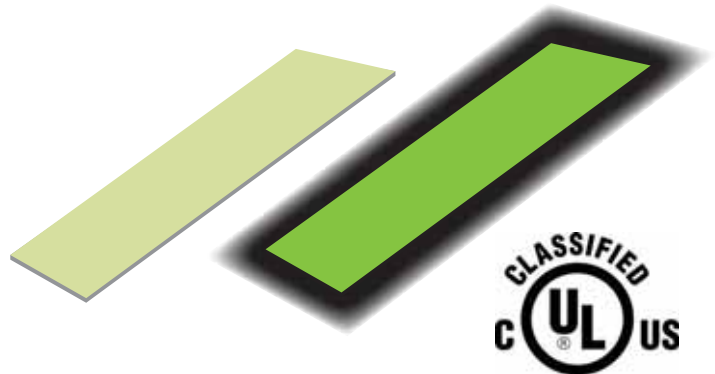
HAND RAIL TAPE

Hand rail tape is constructed of photoluminescent film material with a factory applied acrylic adhesive and liner backing.

PLFA-100-H



Sold in 100 foot rolls.



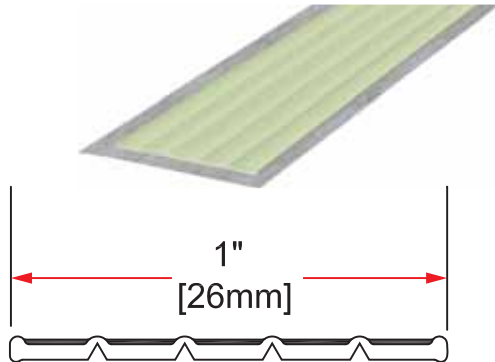
ALUMINUM DEMARCATION STRIPS

Balco IllumiTread™ demarcation strips illuminate egress paths for stairwell landings, hallways and the perimeter of exit doors.

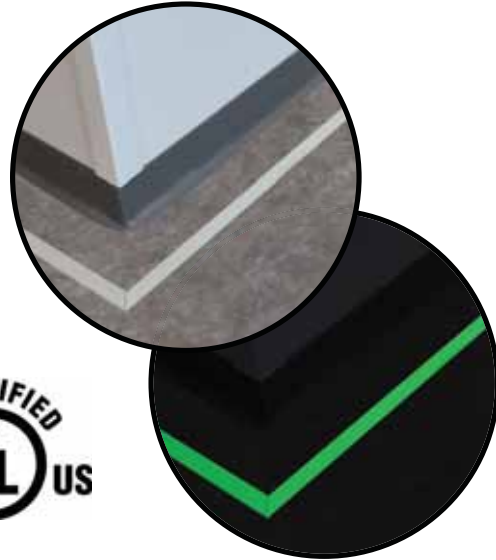
Extruded aluminum demarcation strips have a photoluminescent coating.

4211C

Aluminum strips are installed with construction adhesive.

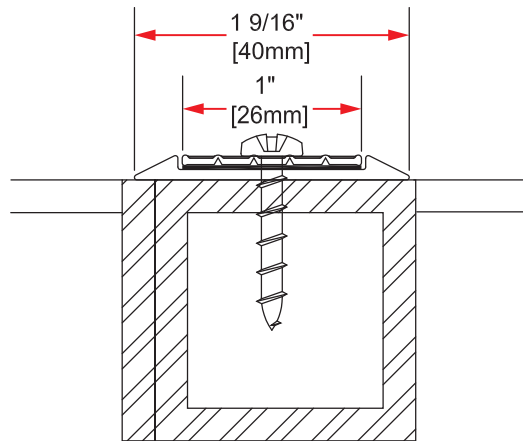
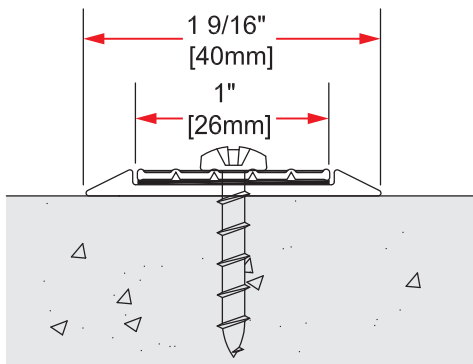


Available in 10' or 12' (3048mm or 3658mm) lengths .



PLTS-100

Extruded aluminum strips are installed with mechanical fastener.

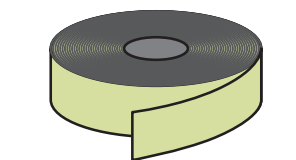
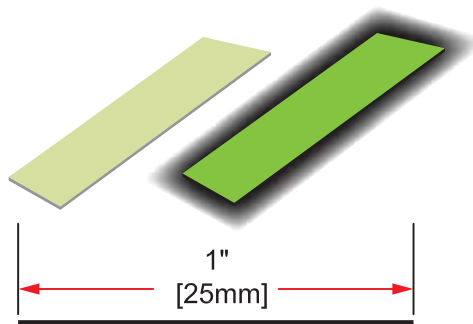


Diamond plate and open grating construction

DEMARCATIION TAPE

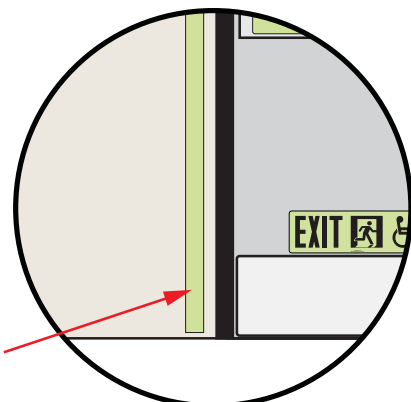
PLFA-100-H

Recommended for wall demarcation installation.



Sold in 100 foot rolls.

DEMARCATIION TAPE



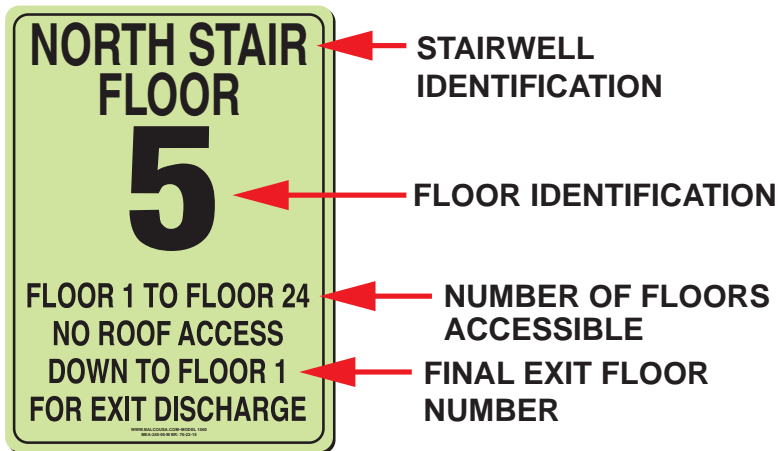
IllumiTread™ Photoluminescent Egress Signage

Balco IllumiTread™ signage is used for directional way-finding, exit door markings and stairway identification providing for illuminated location and navigation and meets the requirements of the International Building Code, International Fire Code and NFPA 101 Life Safety Code.

STAIRWAY IDENTIFICATION SIGNAGE

Balco Stairway Identification signage provides critical information for building occupants and first responders during emergency evacuations.

1560



Placement should be 5 feet above the floor

FEATURES:

- High impact resistant acrylic
- Non-glare finish
- Low maintenance
- Easy to install
- Made in USA

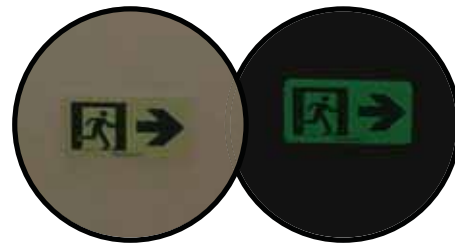
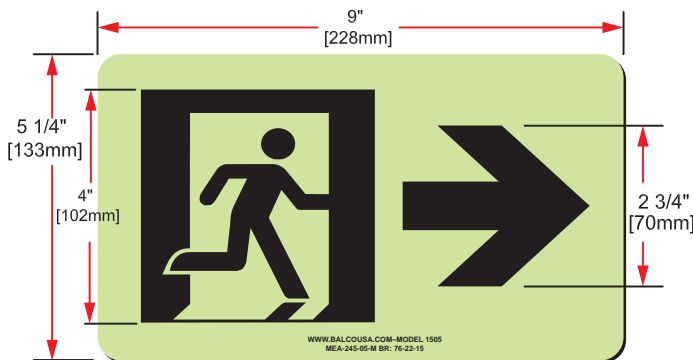


DIRECTIONAL SIGNAGE

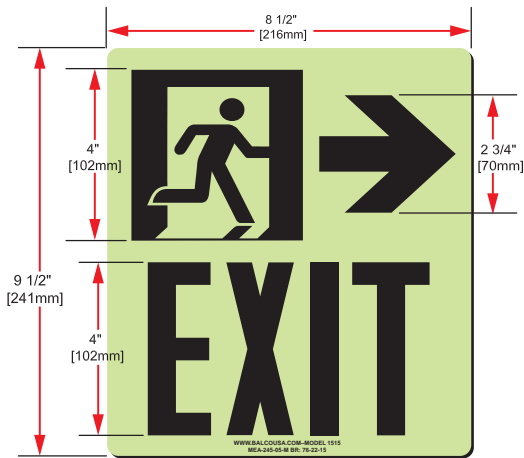
Balco directional signage provides quick visual egress path information.

DIRECTIONAL ARROWS

1505



DIRECTIONAL ARROWS AND EXIT 1515



1516



1517



1518



1519



1520



1521



1522



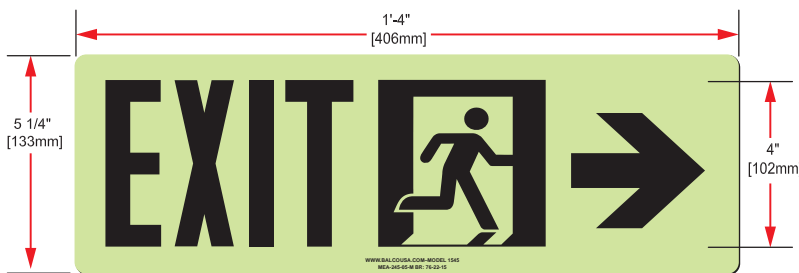
1523



1524



1545



1546



1547



1548



1549



1550



1551



1552



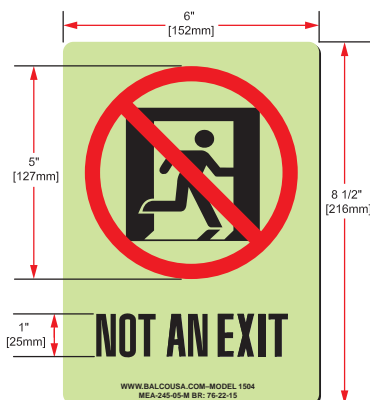
1553



1554



NOT AN EXIT 1504



For Size Chart refer to page 92.

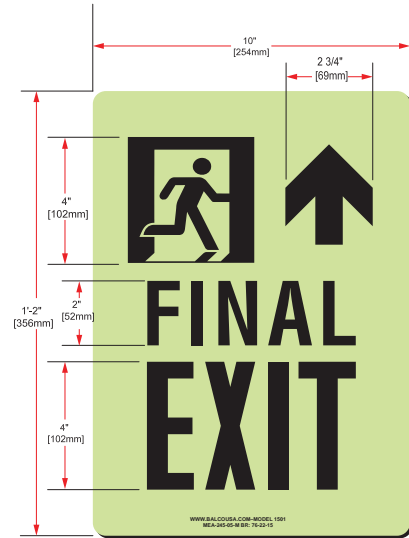


IllumiTread™ Photoluminescent Egress Exit Door Markings

STAIRWAY DOOR MOUNTED SIGNAGE

Exit door markings are designed to illuminate the exit enclosure during evacuation.

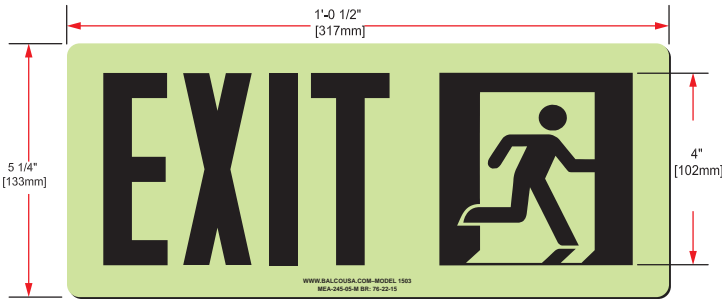
1501



1502



1503

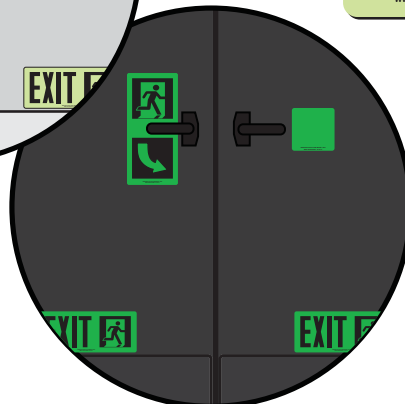
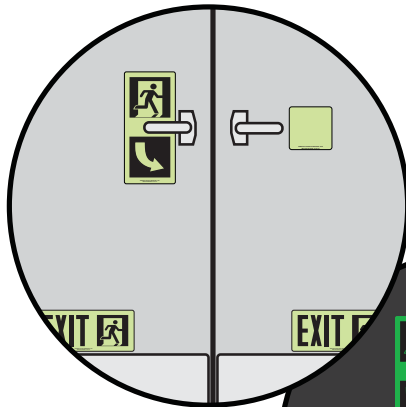
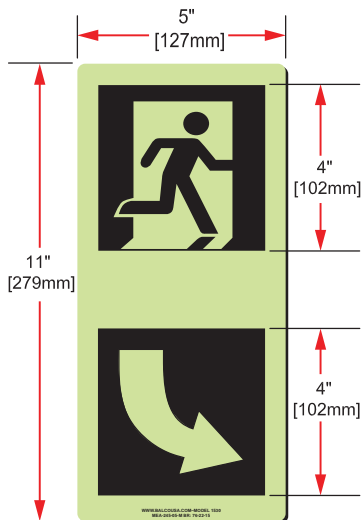


1503-SP-HC

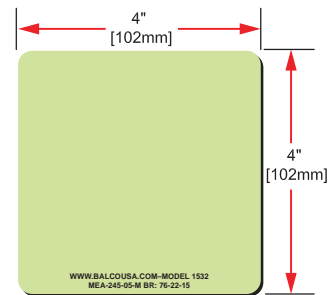


Contact factory to add handicap symbol to any sign.

1530



1532



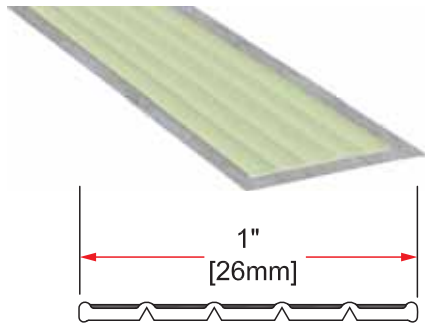
For Size Chart refer to page 92.

1531



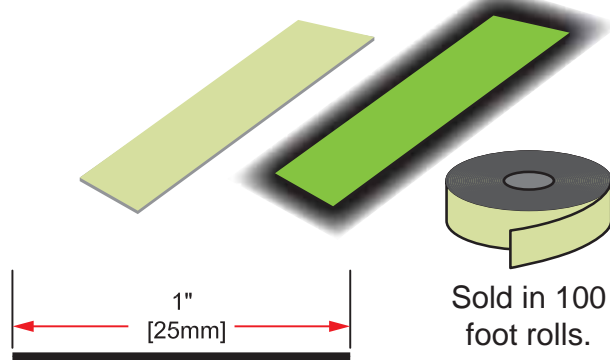
For Size Chart refer to page 92.

EXIT DOOR DEMARCATION 4211C



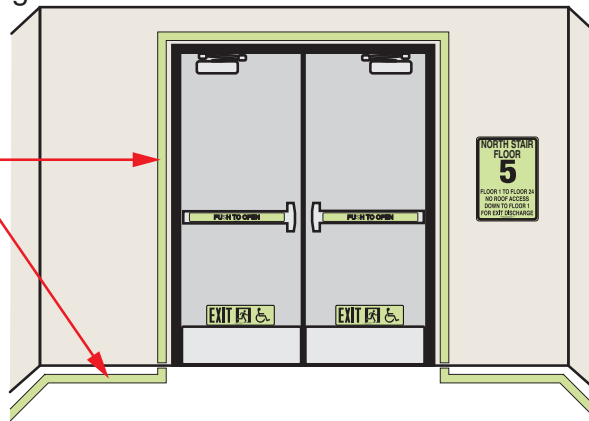
Available in 10' or 12' (3048mm or 3658mm) lengths .

PLFA-100-H



Sold in 100 foot rolls.

DEMARCATI
ON MARKINGS

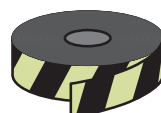
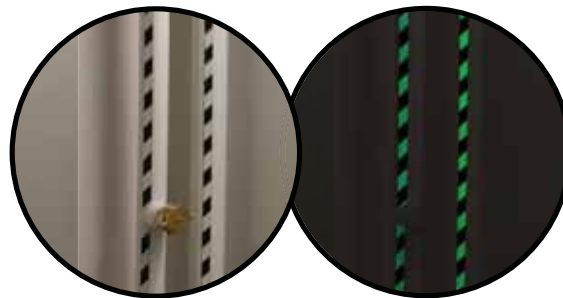
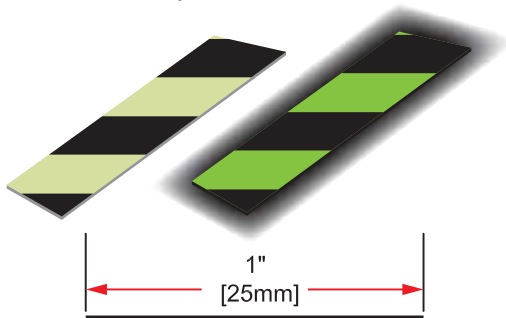


OBSTRUCTION MARKINGS

Obstruction markings are recommended for obstacles such as water pipes, hose cabinets or valve handles.

PLFA-100-OB

Adhesive Tape



Sold in 100 foot rolls.

IllumiTread™ Egress Signage Size Chart

Item #	DIRECTIONAL SIGNAGE	Size
1505	Running man right, Right arrow	5.25" x 9"
1506	Running man Left, Left Arrow	5.25" x 9"
1507	Running man right, Down Arrow	5.25" x 9"
1508	Running man Left, Down Arrow	5.25" x 9"
1509	Running man right, Up Arrow	5.25" x 9"
1510	Running man Left, Up Arrow	5.25" x 9"
1511	Running man right, Diagonal Up Arrow	5.25" x 9"
1512	Running man Left, Diagonal Up Arrow	5.25" x 9"
1513	Running man right, Diagonal Down Arrow	5.25" x 9"
1514	Running man Left, Diagonal Down Arrow	5.25" x 9"

Item #	DIRECTIONAL SIGNAGE ARROWS AND EXIT	Size
1515	Exit, Running man right, Right arrow	9.5" x 8.5"
1516	Exit, Running man Left, Left Arrow	9.5" x 8.5"
1517	Exit, Running man right, Down Arrow	9.5" x 8.5"
1518	Exit, Running man Left, Down Arrow	9.5" x 8.5"
1519	Exit, Running man right, Up Arrow	9.5" x 8.5"
1520	Exit, Running man Left, Up Arrow	9.5" x 8.5"
1521	Exit, Running man right, Diagonal Up Arrow	9.5" x 8.5"
1522	Exit, Running man Left, Diagonal Up Arrow	9.5" x 8.5"
1523	Exit, Running man right, Diagonal Down Arrow	9.5" x 8.5"
1524	Exit, Running man Left, Diagonal Down Arrow	9.5" x 8.5"
1545	Exit, Running man right, Right arrow	5.25" x 16"
1546	Exit, Running man Left, Left Arrow	5.25" x 16"
1547	Exit, Running man right, Down Arrow	5.25" x 16"
1548	Exit, Running man Left, Down Arrow	5.25" x 16"
1549	Exit, Running man right, Up Arrow	5.25" x 16"
1550	Exit, Running man Left, Up Arrow	5.25" x 16"
1551	Exit, Running man right, Diagonal Up Arrow	5.25" x 16"
1552	Exit, Running man Left, Diagonal Up Arrow	5.25" x 16"
1553	Exit, Running man right, Diagonal Down Arrow	5.25" x 16"
1554	Exit, Running man Left, Diagonal Down Arrow	5.25" x 16"

Item #	STAIRWAY DOOR MOUNTED SIGNAGE	Size
1500	Exit, Running man right, Diagonal Down Arrow	8" x 18"
1501	Final Exit	10" x 14"
1502	Exit through Lobby (for Directional Pathway)	18" x 8"
1503	Exit (Final Exit Door Marker)	12.5" x 12.5"
1504	Not an Exit	8" x 10"
1529	Door Handle Marking, Running man Left	5" x 11"
1530	Door Handle Marking, Running man Right	5" x 11"
1531	Panic Bar Marking	2" x 22"
1532	Door Handle Place card	4" x 4"
1560	Stairway Identification Sign	18" x 12"

International Building Code for Photoluminescent Exit Path Markings

NEW AND EXISTING HIGH RISE BUILDINGS

In 2012, the International Building Code officials added sections which mandates that all non-residential buildings over 75 feet in height must install photoluminescent exit path markings in all enclosed emergency stairwells. PL egress products are required by IBC, IFC and many other national and local building codes because they are a proven method of expediting safe emergency egress from high rise buildings while providing safe navigation for first responders like firefighters, law enforcement and medical personnel.

Important building code sections that require Photoluminescent (PL) exit path markings are:

IBC 1023.9 – IllumiTread™ Floor ID Signs –

PL luminous stairway identification signs shall be included in interior exit stairways.
Effective January 2009

IBC 1025 – IllumiTread™ Egress Path Products –

PL luminous markings shall be provided in interior exit stairways of building types A, B, E, I, M, R-1.
Effective January 2009

NFPA 101 and 5000 –

PL exit stair path markings optional for all buildings new and existing regardless of height.
Effective January 2009

State of California Building Code, Chapter 10 –

Requires in group A, E, I, R-1, R-2 and R-3 occupancies in exit corridors leading to emergency exit stairwells.
Effective January 2008

General Services Administration, GSA, PBS P-100, Section 7.8 –

Requires photoluminescent exit path markings in all new and existing buildings.
Effective March 2005

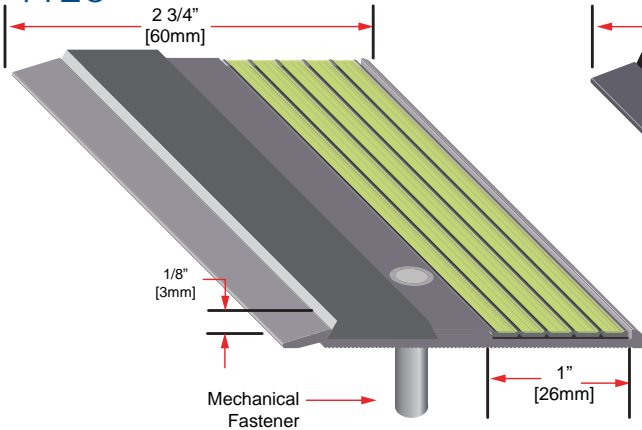


IllumiTread™ Stair Nosings

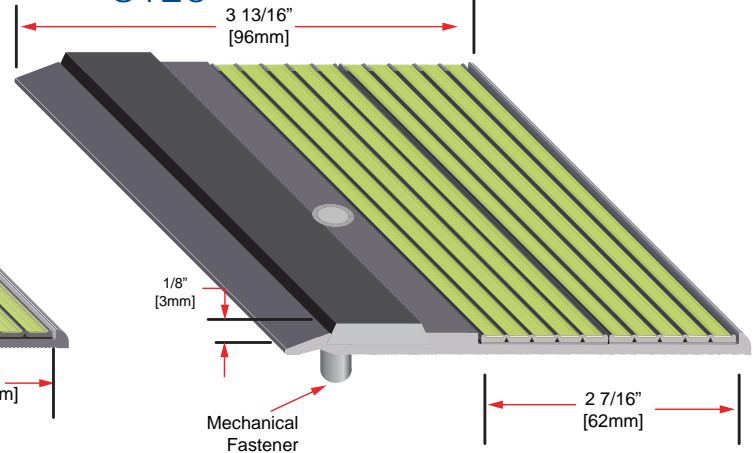
Balco IllumiTread™ stair nosings illuminate the leading edge of steps in egress stairways allowing for expeditious escape during an emergency in low-light and no-light conditions.

RETROFIT STAIR NOSINGS

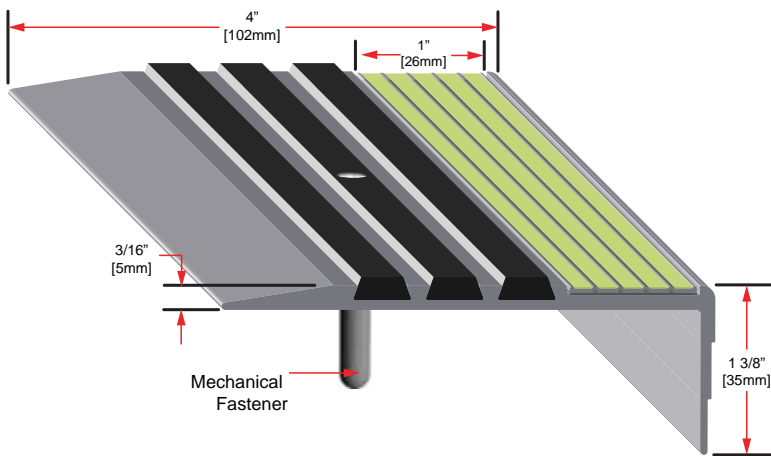
4120



8120



RS-405L-PL-100

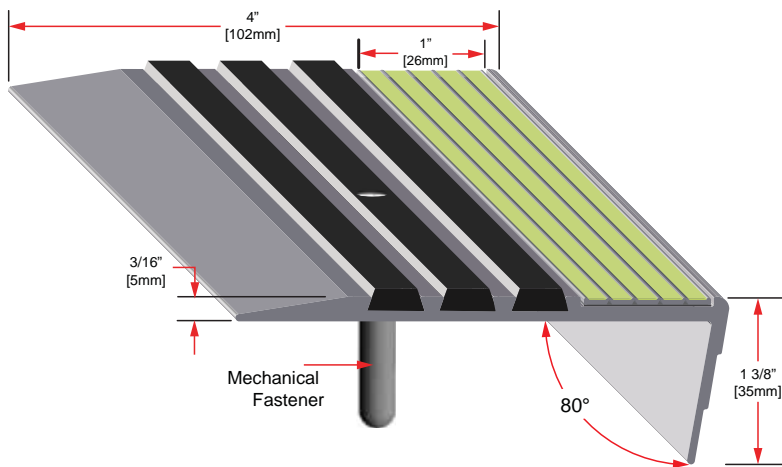


ANCHOR OPTIONS



Type 5
Wood Screw

RS-405LP-PL-100



ANCHOR OPTIONS



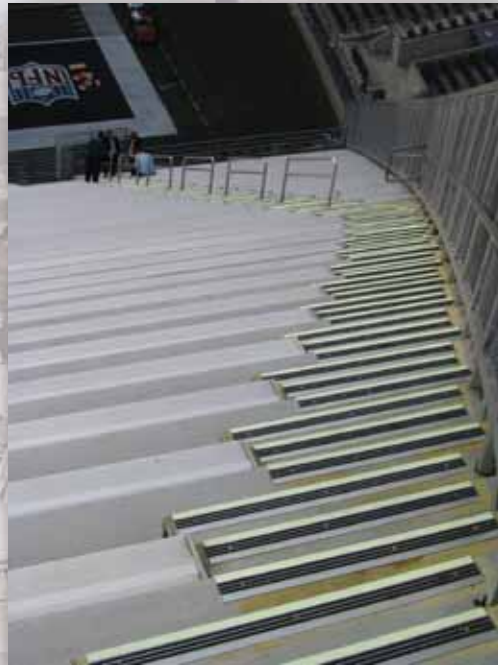
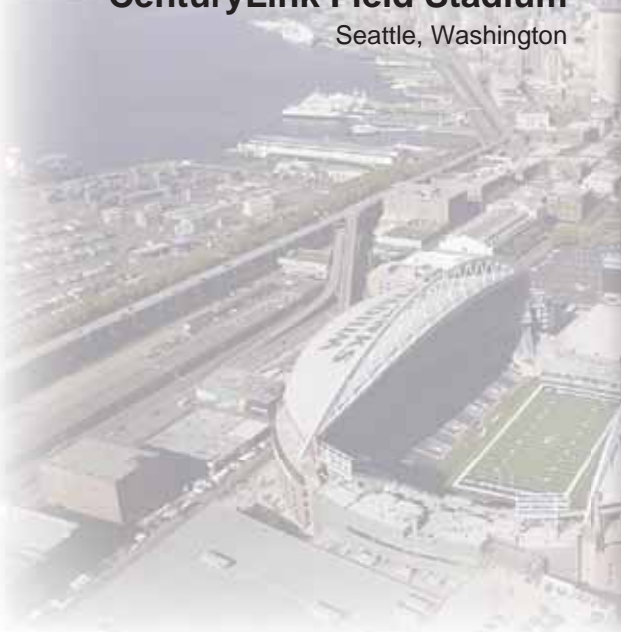
Type 7
Concrete Anchor
(Extra charge for drilling)



Broward Center for the Performing Arts
Broward County, Florida

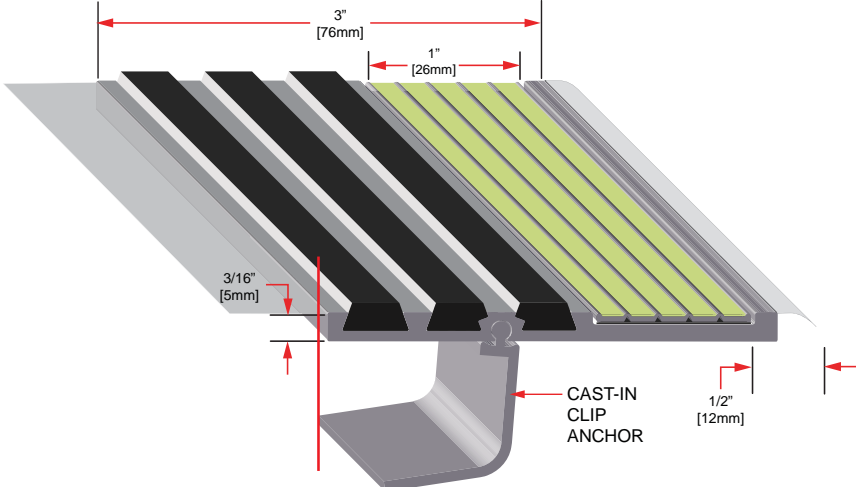
BROWARD CENTER *for the* PERFORMING ARTS

**Seattle Seahawks
CenturyLink Field Stadium**
Seattle, Washington



IllumiTread™ Single Component Stair Nosings

R-300-PL-100

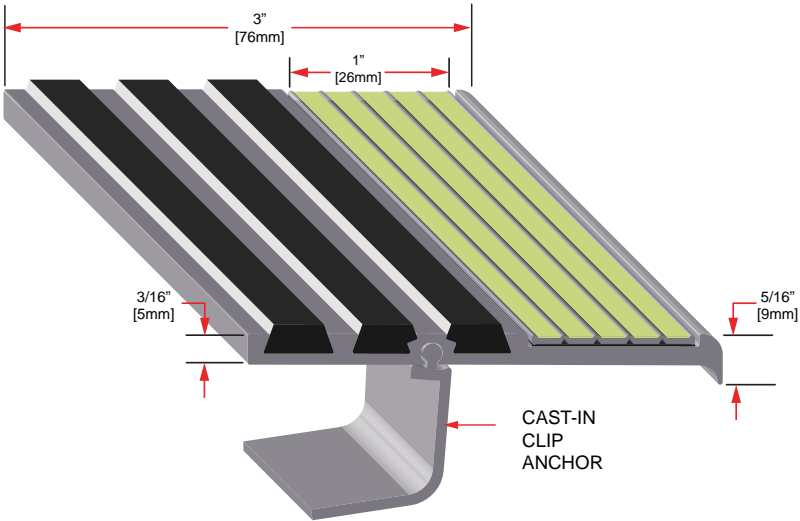


ANCHOR OPTIONS



Type 7
Concrete Anchor
(Extra charge for drilling)

R-315P-PL-100

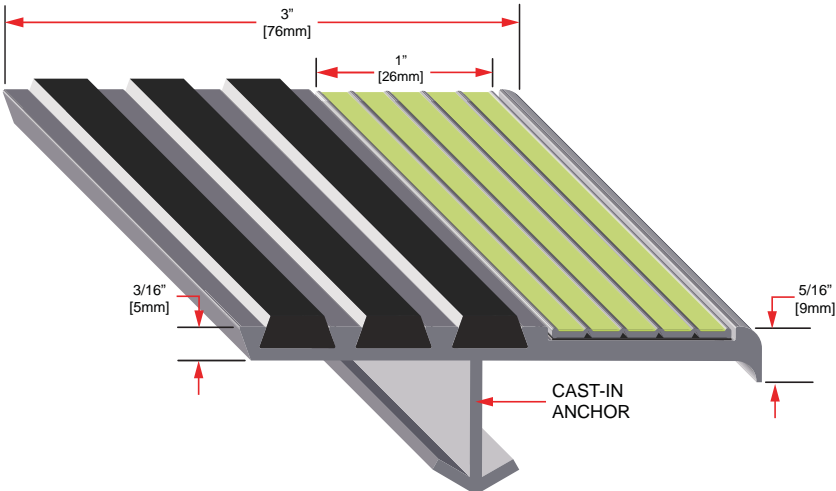


ANCHOR OPTIONS



Type 5
Wood Screw

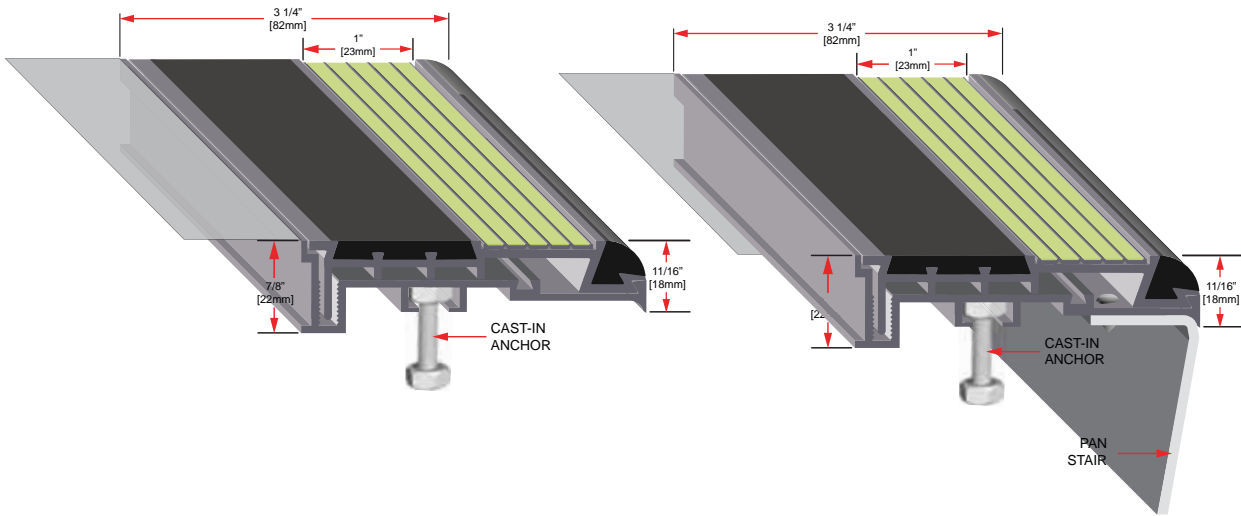
P-3310-PL-100



IllumiTread™ Two Component Stair Nosing

DXH-330-PL-100

DXH-330-PL-100 PAN STAIR



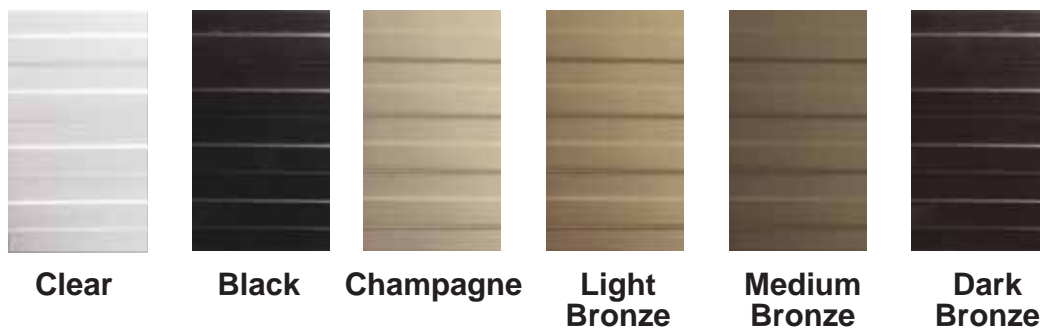
Stair Nosing Optional Colors

ABRASIVE OPTIONS



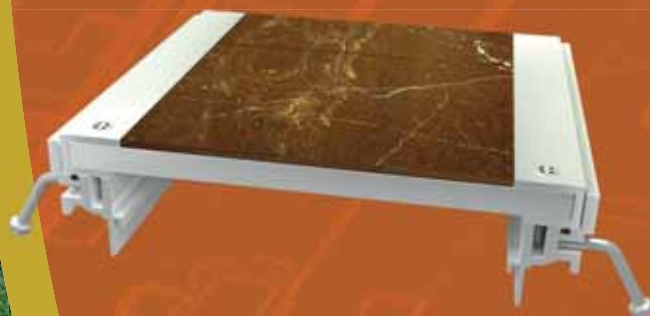
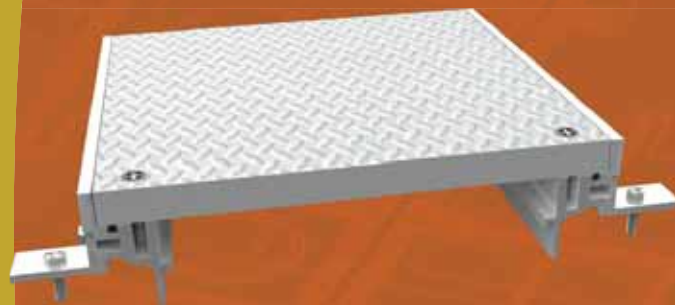
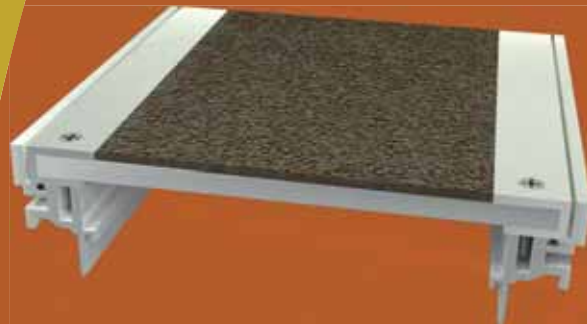
ANODIZED METAL OPTIONS

All anodized metal options are subject to additional charges and will have extended lead times.



Disclaimer: Color chart is for reference only. Contact factory for physical samples, as colors may vary.

Petronas Towers
Kuala Lumpur, Malaysia





A CSW Industrials Company

TRENCH AND ACCESS COVERS

DIVISION 055400

Balco Trench and Access Covers are designed to provide sub-floor access for utilities, plumbing, electrical, drainage and valves. Access covers are square units for single point accessibility and trench covers are linear and can be ran in multiple directions

Levi's Stadium
Home of the San Francisco 49ers
Santa Clara, California



**Loma Linda University
Medical Center**
Loma Linda, California



Trench and Access Covers

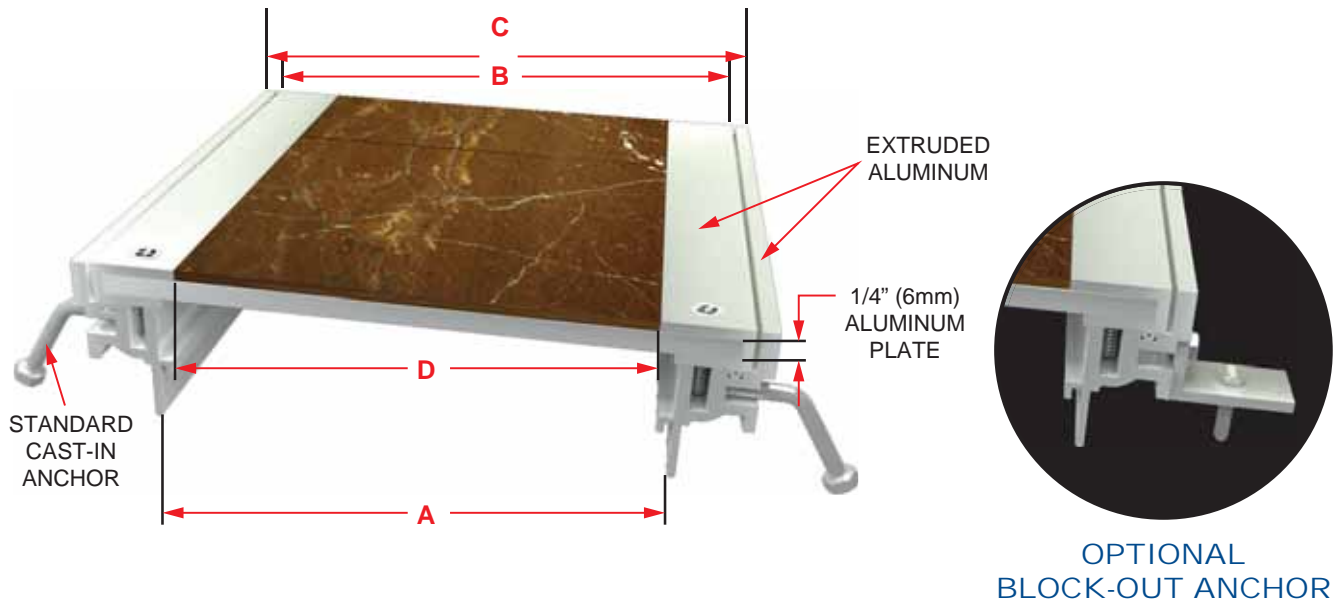
Balco trench and access covers provide sub-floor access to utilities for maintenance in hospitals, schools, laboratories and refrigeration sections of supermarkets and warehouses.

TRENCH COVERS WITH TILE RECESS PLATES

Balco tile recess trench covers have a shallow recess to receive VCT or similar tile for an interior design that conceals the utility access below with minimal sightlines of the cover plate. There are 3 different thicknesses available to fit most load requirements.

TST-250

1/4" Trench plate



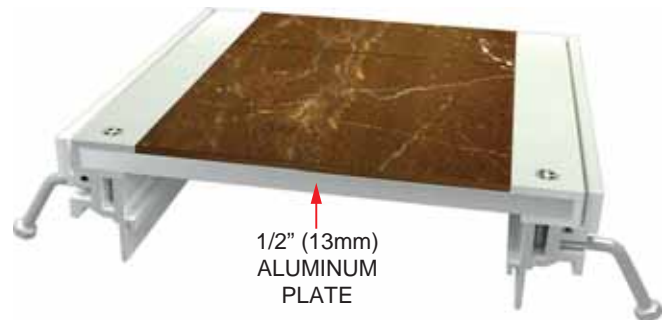
TST-375

3/8" Trench plate



TST-500

1/2" Trench plate



OPTIONAL LINER MATERIALS



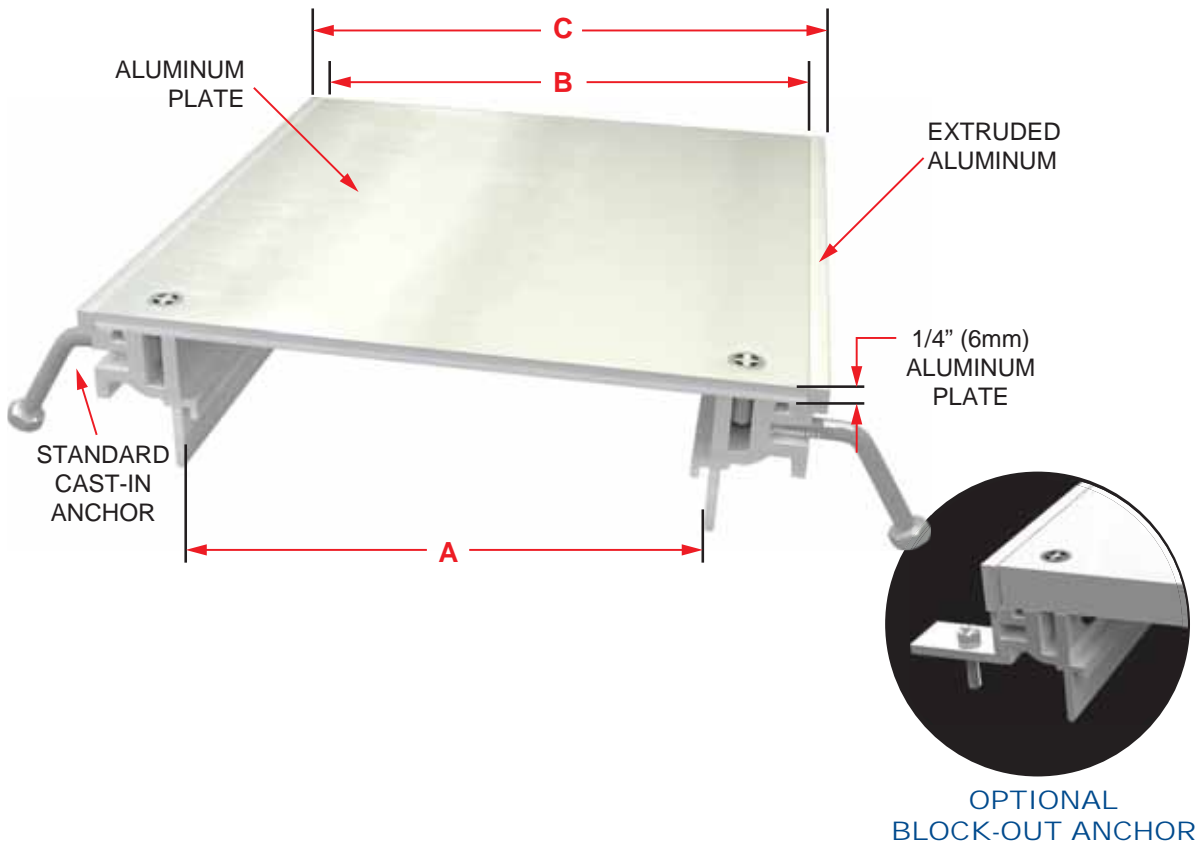
DIMENSIONS

	A	B	C	D
TST-6	6" (152mm)	7 1/2" (191mm)	8" (203mm)	5 1/2" (140mm)
TST-10	10" (254mm)	11 1/2" (292mm)	12" (305mm)	9 1/2" (241mm)
TST-12	12" (305mm)	13 1/2" (343mm)	14" (356mm)	11 1/2" (292mm)
TST-18	18" (457mm)	19 1/2" (495mm)	20" (508mm)	17 1/2" (445mm)
TST-24	24" (610mm)	25 1/2" (648mm)	26" (660mm)	23 1/2" (597mm)

TRENCH COVERS WITH SMOOTH PLATES

TSP-250

1/4" Trench plate



TSP-375

3/8" Trench plate

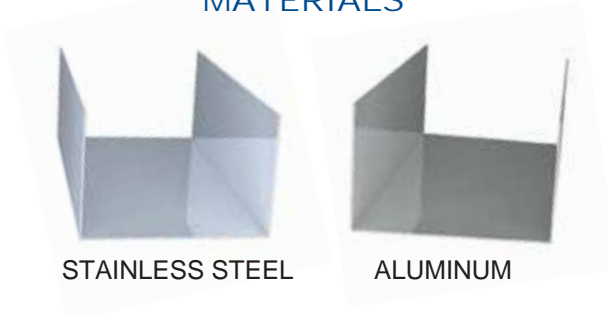


TSP-500

1/2" Trench plate



OPTIONAL LINER MATERIALS

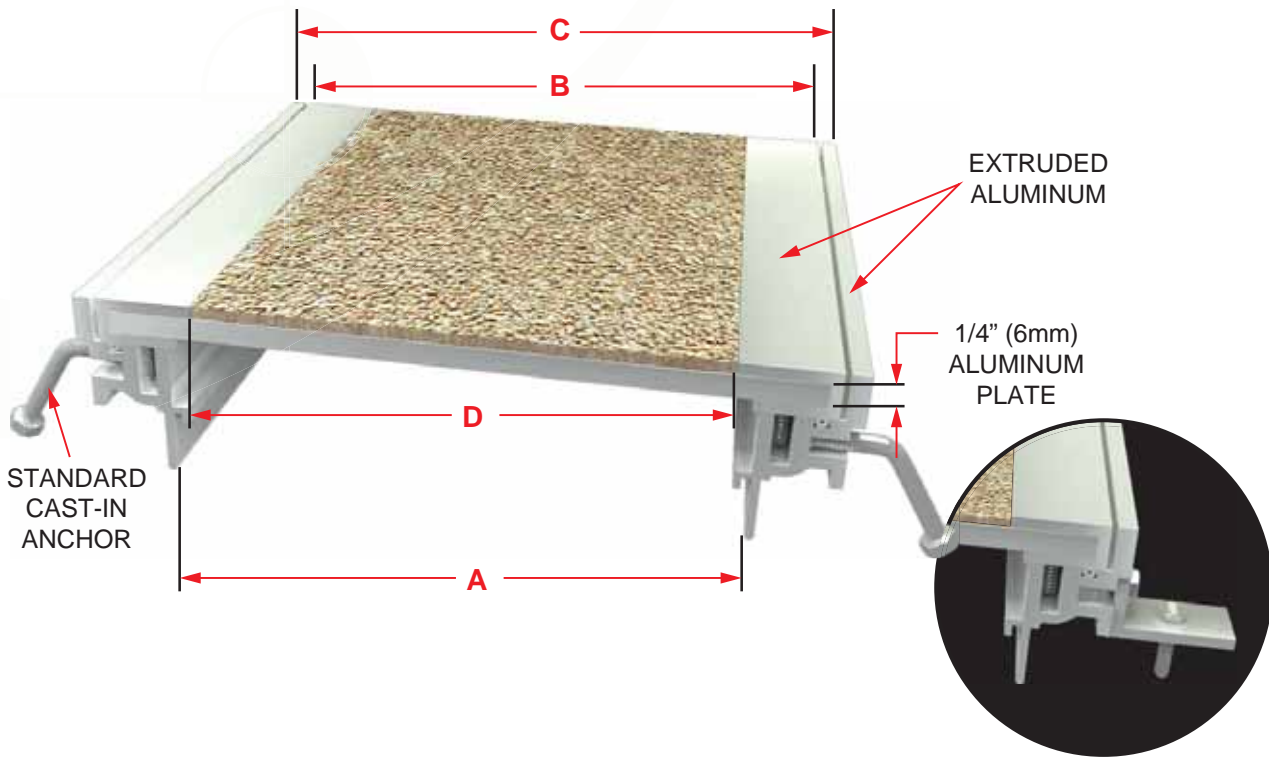


	DIMENSIONS		
	A	B	C
TSP-6	6" (152mm)	7 1/2" (191mm)	8" (203mm)
TSP-10	10" (254mm)	11 1/2" (292mm)	12" (305mm)
TSP-12	12" (305mm)	13 1/2" (343mm)	14" (356mm)
TSP-18	18" (457mm)	19 1/2" (495mm)	20" (508mm)
TSP-24	24" (610mm)	25 1/2" (648mm)	26" (660mm)

TRENCH COVERS WITH ABRASIVE INFILL

TSA-250

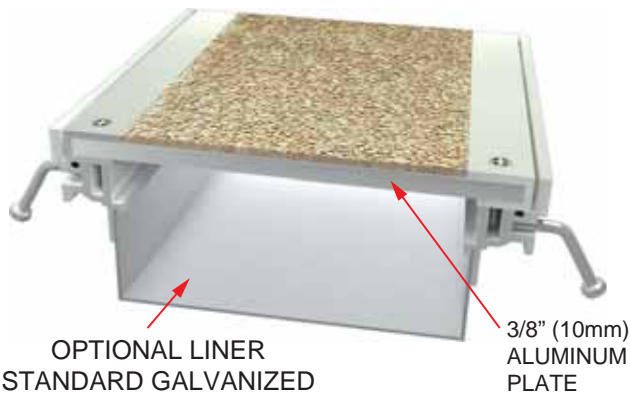
1/4" Trench plate



OPTIONAL
BLOCK-OUT ANCHOR

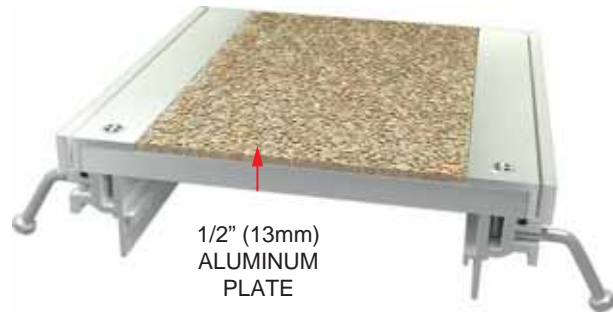
TSA-375

3/8" Trench plate

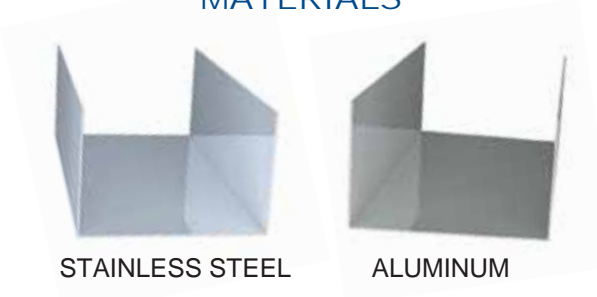


TSA-500

1/2" Trench plate



OPTIONAL LINER MATERIALS



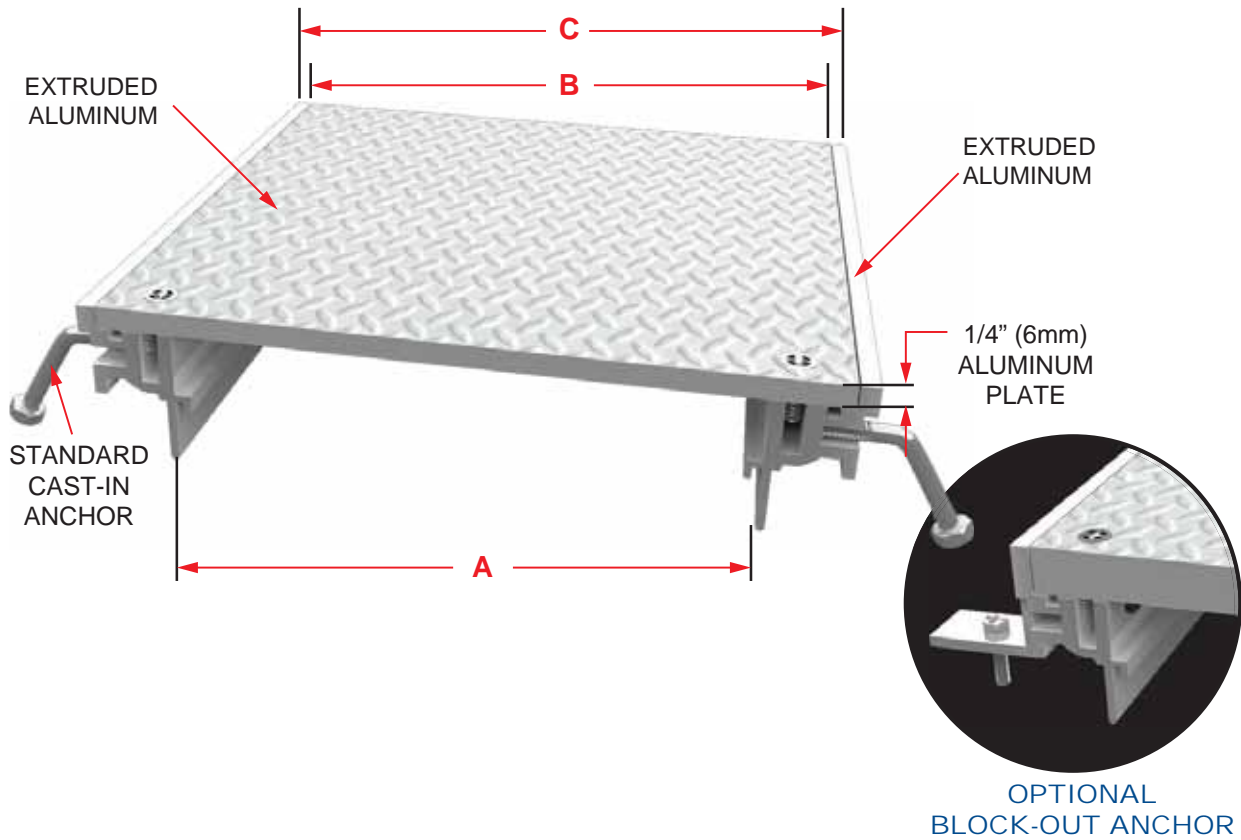
DIMENSIONS

	A	B	C	D
TSA-6	6" (152mm)	7 1/2" (191mm)	8" (203mm)	5 1/2" (140mm)
TSA-10	10" (254mm)	11 1/2" (292mm)	12" (305mm)	9 1/2" (241mm)
TSA-12	12" (305mm)	13 1/2" (343mm)	14" (356mm)	11 1/2" (292mm)
TSA-18	18" (457mm)	19 1/2" (495mm)	20" (508mm)	17 1/2" (445mm)
TSA-24	24" (610mm)	25 1/2" (648mm)	26" (660mm)	23 1/2" (597mm)

TRENCH COVERS WITH DIAMOND PLATES

TSD-250

1/4" Trench plate



OPTIONAL
BLOCK-OUT ANCHOR

TSD-375

3/8" Trench plate

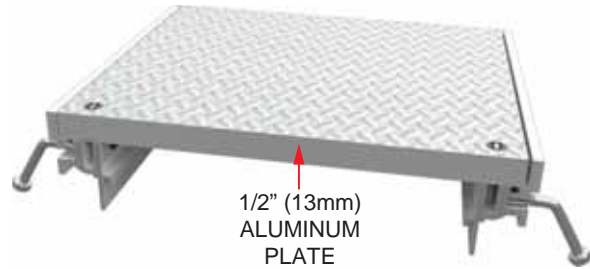


OPTIONAL LINER
STANDARD GALVANIZED

3/8" (10mm)
ALUMINUM
PLATE

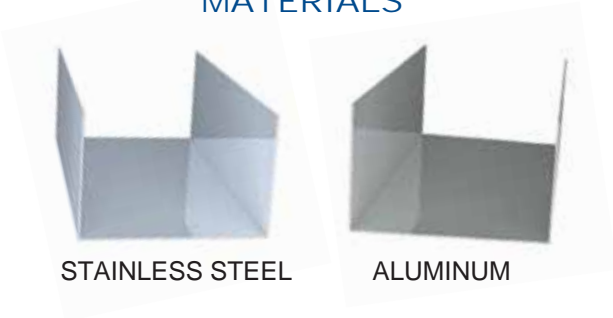
TSD-500

1/2" Trench plate



1/2" (13mm)
ALUMINUM
PLATE

OPTIONAL LINER MATERIALS



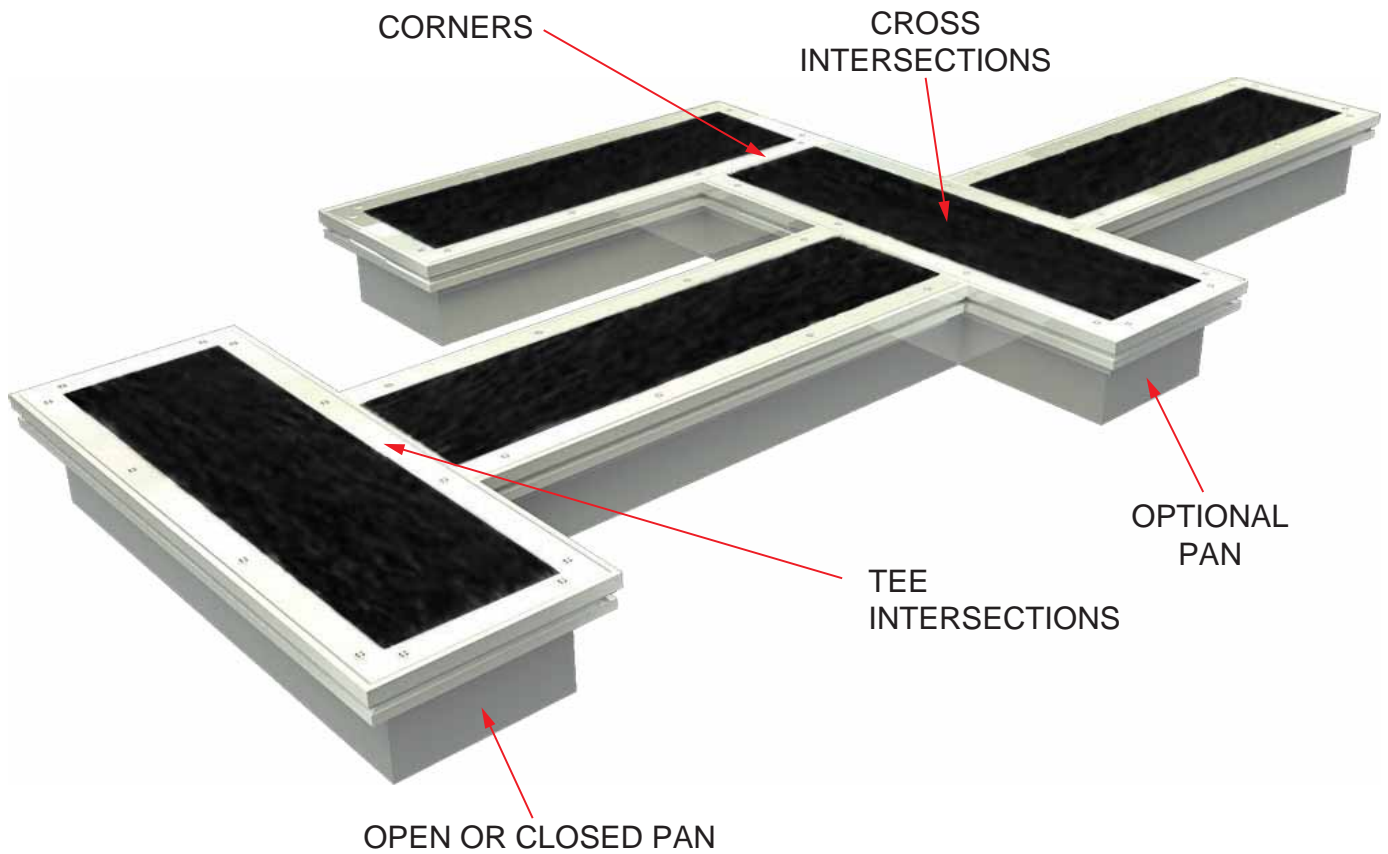
STAINLESS STEEL

ALUMINUM

	DIMENSIONS		
	A	B	C
TSD-6	6" (152mm)	7 1/2" (191mm)	8" (203mm)
TSD-10	10" (254mm)	11 1/2" (292mm)	12" (305mm)
TSD-12	12" (305mm)	13 1/2" (343mm)	14" (356mm)
TSD-18	18" (457mm)	19 1/2" (495mm)	20" (508mm)
TSD-24	24" (610mm)	25 1/2" (648mm)	26" (660mm)

TRENCH COVER INTERSECTIONS

Balco trench cover frames offer the ability to add endcaps, corners, tees and crosses. Contact the factory for information about one-piece intersections.



See Technical Data Sheet for load chart

ACCESS COVER INSTALLATIONS



ACT Series installed in a tile floor.

ACP Series installed in a concrete floor.



See Technical Data Sheet for load chart

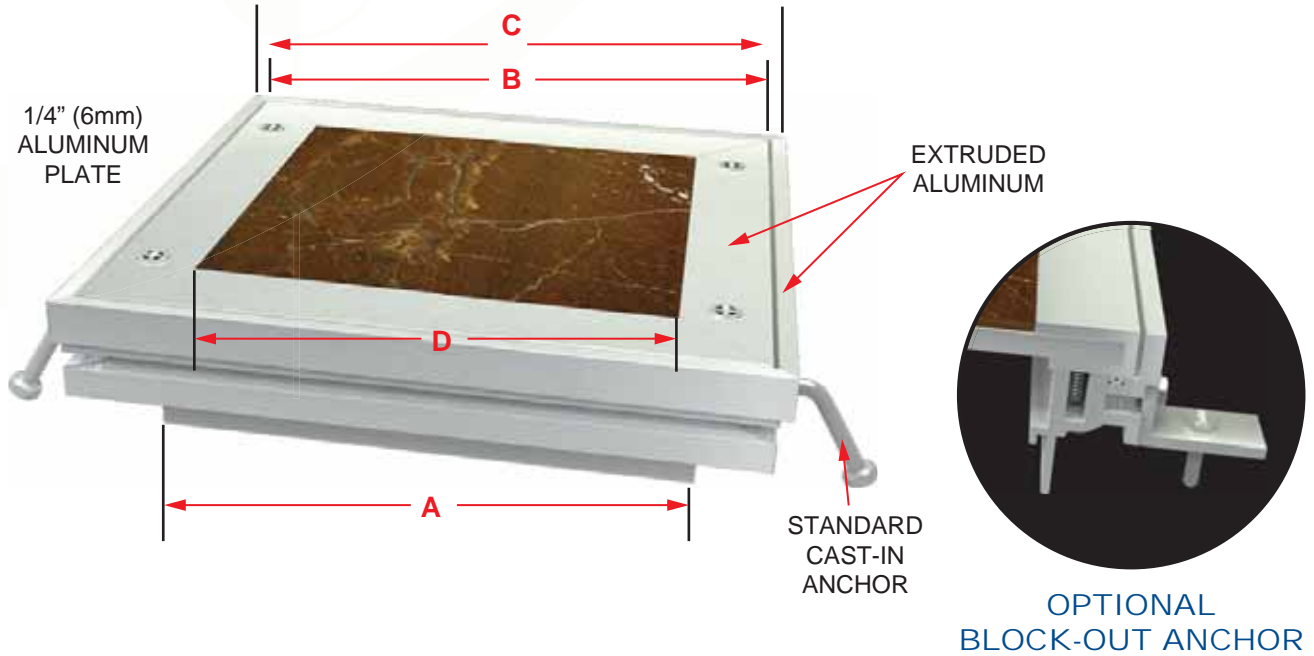
Access Covers

Balco access covers are individual square units for direct access to maintenance valves, joinery and controls.

ACCESS COVERS WITH TILE RECESS PLATES

ACT-250

1/4" Trench plate



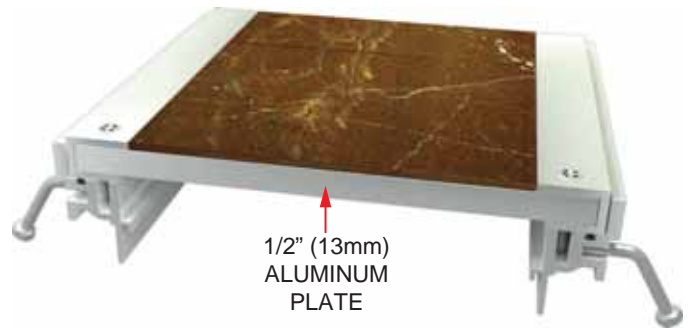
ACT-375

3/8" Trench plate



ACT-500

1/2" Trench plate



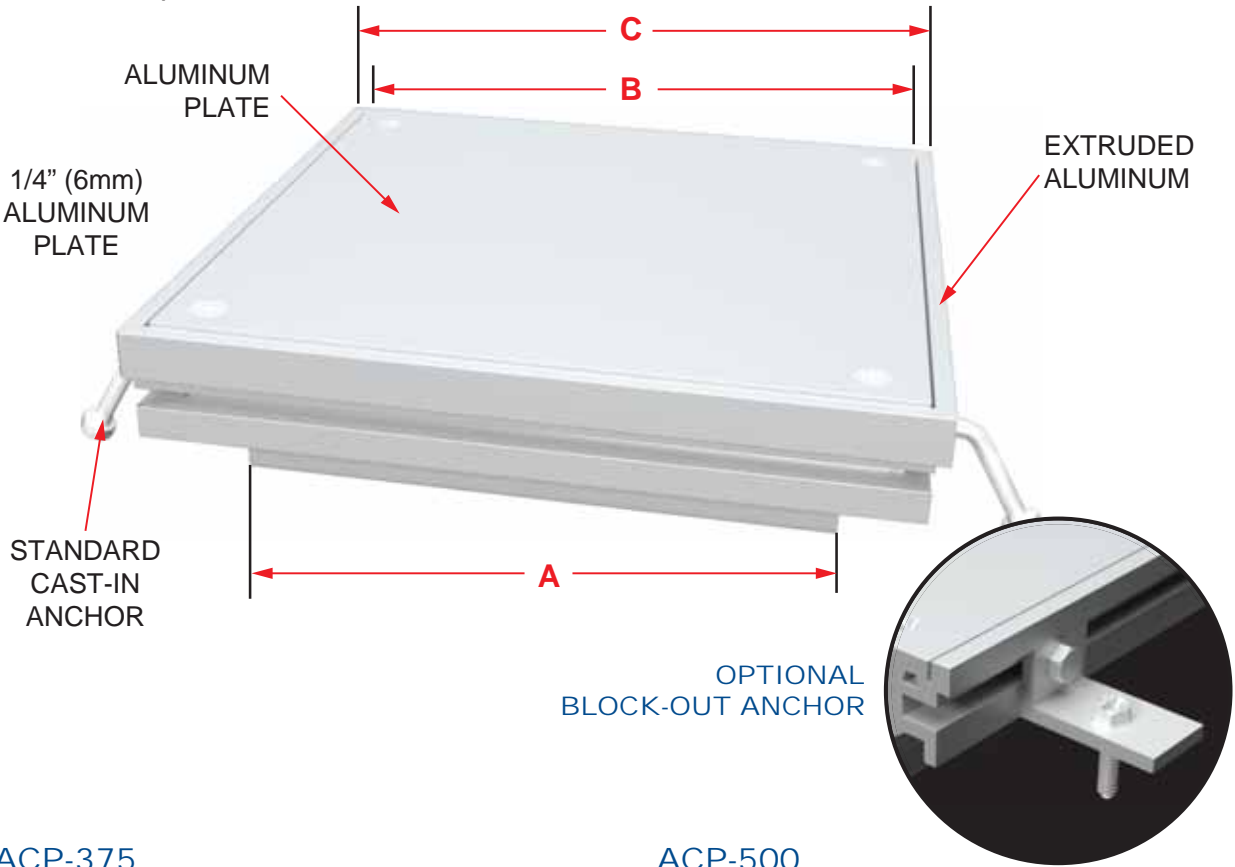
OPTIONAL LINER MATERIALS



	DIMENSIONS			
	A	B	C	D
ACT-8	8" (203mm)	9 1/2" (241mm)	10" (254mm)	7 1/2" (191mm)
ACT-10	10" (254mm)	11 1/2" (292mm)	12" (305mm)	9 1/2" (241mm)
ACT-12	12" (305mm)	13 1/2" (343mm)	14" (356mm)	11 1/2" (292mm)
ACT-18	18" (457mm)	19 1/2" (495mm)	22" (508mm)	17 1/2" (445mm)
ACT-24	24" (610mm)	25 1/2" (648mm)	28" (660mm)	23 1/2" (597mm)

ACCESS COVERS WITH SMOOTH PLATES

ACP-250
1/4" Trench plate



ACP-375
3/8" Trench plate



ACP-500
1/2" Trench plate



OPTIONAL LINER MATERIALS

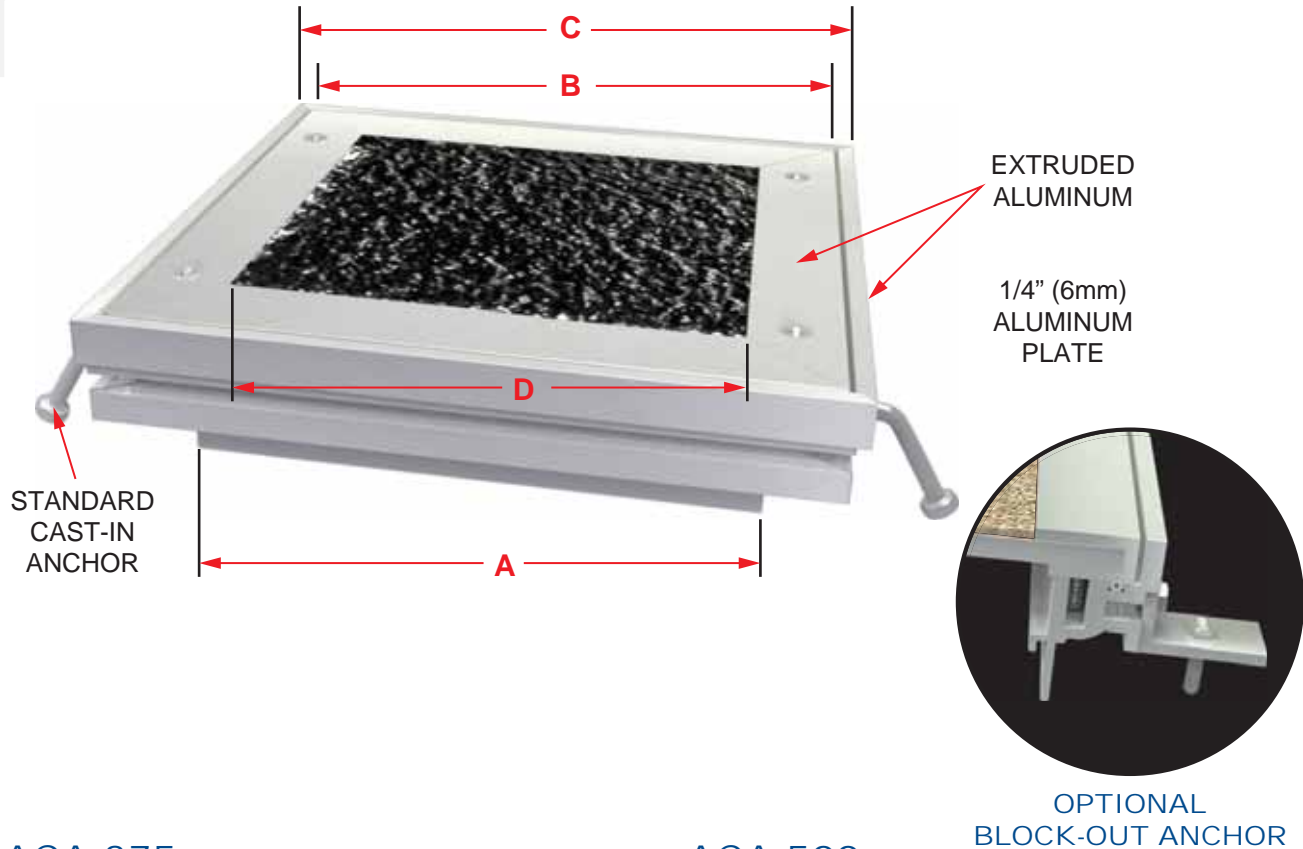


	DIMENSIONS		
	A	B	C
ACP-8	8" (203mm)	9 1/2" (241mm)	10" (254mm)
ACP-10	10" (254mm)	11 1/2" (292mm)	12" (305mm)
ACP-12	12" (305mm)	13 1/2" (343mm)	14" (356mm)
ACP-18	18" (457mm)	19 1/2" (495mm)	22" (508mm)
ACP-24	24" (610mm)	25 1/2" (648mm)	28" (660mm)

ACCESS COVERS WITH ABRASIVE INFILL

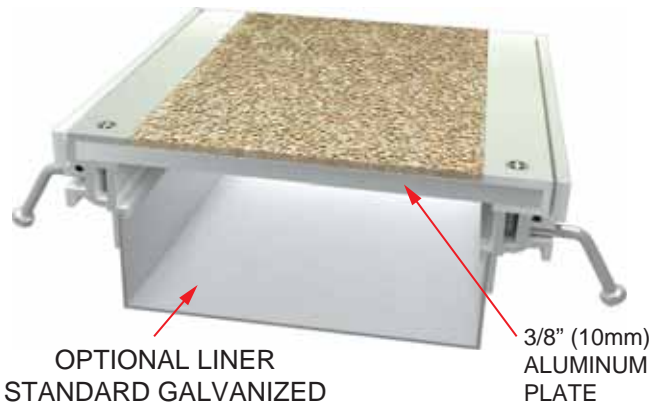
ACA-250

1/4" Trench plate



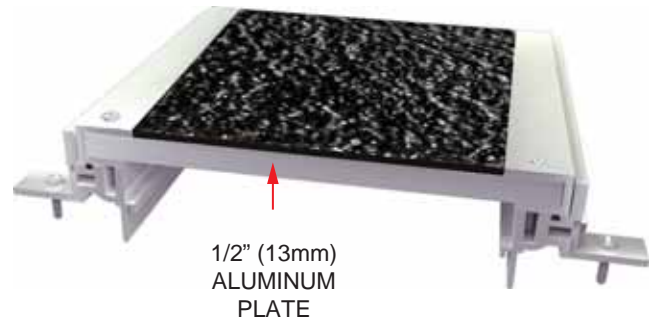
ACA-375

3/8" Trench plate

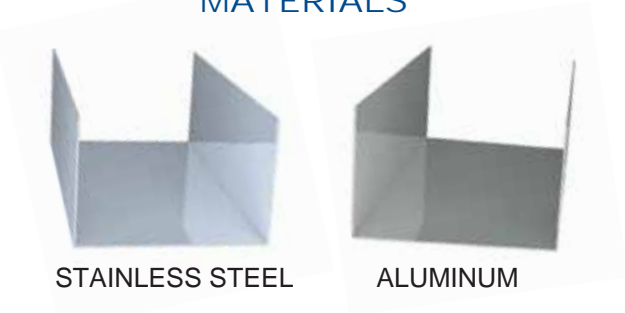


ACA-500

1/2" Trench plate



OPTIONAL LINER MATERIALS

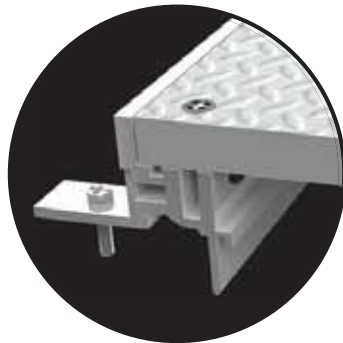
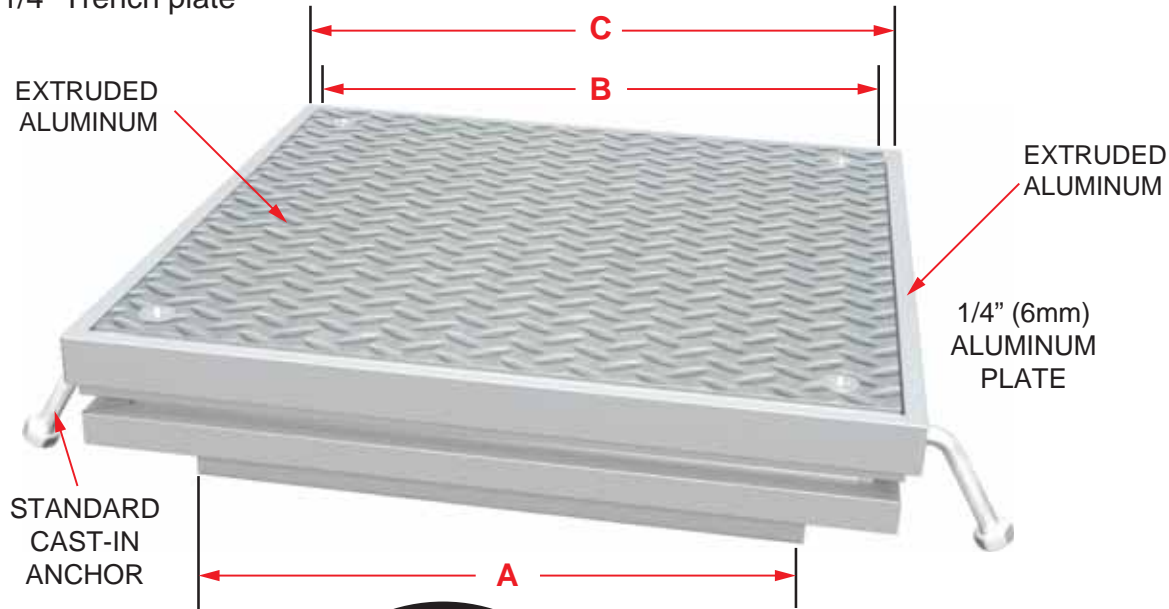


	DIMENSIONS			
	A	B	C	D
ACA-8	8" (203mm)	9 1/2" (241mm)	10" (254mm)	7 1/2" (191mm)
ACA-10	10" (254mm)	11 1/2" (292mm)	12" (305mm)	9 1/2" (241mm)
ACA-12	12" (305mm)	13 1/2" (343mm)	14" (356mm)	11 1/2" (292mm)
ACA-18	18" (457mm)	19 1/2" (495mm)	22" (508mm)	17 1/2" (445mm)
ACA-24	24" (610mm)	25 1/2" (648mm)	28" (660mm)	23 1/2" (597mm)

ACCESS COVERS WITH DIAMOND PLATES

ACD-250

1/4" Trench plate



OPTIONAL
BLOCK-OUT ANCHOR

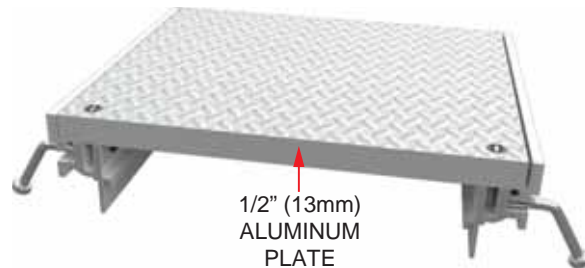
ACD-375

3/8" Trench plate

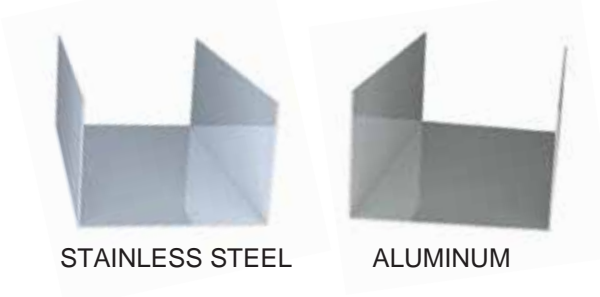


ACD-500

1/2" Trench plate



OPTIONAL LINER MATERIALS



	DIMENSIONS		
	A	B	C
ACD-8	8" (203mm)	9 1/2" (241mm)	10" (254mm)
ACD-10	10" (254mm)	11 1/2" (292mm)	12" (305mm)
ACD-12	12" (305mm)	13 1/2" (343mm)	14" (356mm)
ACD-18	18" (457mm)	19 1/2" (495mm)	22" (508mm)
ACD-24	24" (610mm)	25 1/2" (648mm)	28" (660mm)



Balco Load Data Sheet

Establishing Minimum Design Loads for Balco Products

When establishing the minimum design loads for our products, an important consideration is their capacity to allow the minimum live loads defined by IBC Table 1607.1. These IBC loads have been established primarily for the design of the flooring and supporting structure.

Additional design considerations should be given to expansion joint systems; mats and grids; trench and access covers, and similar design elements incorporated into the floor. These systems are most often affected more by localized concentrated loads. These more localized loads are typically produced by wheeled equipment as it crosses the systems.














Balco has developed the following table of frequently encountered concentrated wheel loads. In order to fully define these loads, a *load magnitude* and *load contact area* is given. It is not enough to specify only a load magnitude, or to categorize it as a “wheel load”, “rolling load”, “point load” or “concentrated load”. The severity of the load is unclear and under-defined without a load contact area. The smaller the load contact area, the more severe the load and the higher the resulting stresses and deflection.

Balco uses load contact areas appropriate for the equipment types as defined by the building code and/or the equipment technical data. These categories are used to classify the load capacity of Balco systems. Systems are analyzed based on allowable stress and allowable deflection. Stress is limited to prevent the system and components from yielding or permanently deforming. Deflection is limited to maintain pedestrian comfort and to prevent cracking or dislodging of infill materials.

Please reference the table on the following page for Balco’s standard design load cases. Balco technical data sheets display the applicable graphics from the first column to denote product load capabilities.



Balco Load Data Sheet

Associated Graphic	Design Load	Load Contact Area	Design Load Basis
 PEDESTRIAN	300 lbs.	2" x 2"	IBC Table 1607.1
 GURNEY/BED	450 lbs.	2" x 2"	Equipment TDS
 X-RAY	450 lbs.	2" x 2"	Equipment TDS
 FLOOR SWEEPER	833 lbs.	3.5" x 3.5"	Equipment TDS
 GOLF CART	450 lbs.	4" x 4"	Equipment TDS
 PASSENGER CART	680 lbs.	4" x 4"	Equipment TDS
 PALLET JACK (3370 lbs. PAYLOAD)	880 lbs.	6" x .75"	Equipment TDS
 PALLET JACK (5620 lbs. PAYLOAD)	1425 lbs.	6" x .75"	Equipment TDS
 CLASS FL 2 FORKLIFT (3370 lbs. PAYLOAD)	4,500 lbs.	4" x 4"	DIN EN 1991-1-1
 CLASS FL 3 FORKLIFT (5620 lbs. PAYLOAD)	7,100 lbs.	4" x 4"	DIN EN 1991-1-1
 SCISSOR LIFT	2,310 lbs.	4" x 4"	Equipment TDS
 SLOW VEHICULAR	3,000 lbs.	4.5" x 4.5"	IBC Table 1607.1
 HS-20 VEHICULAR	16,000 lbs.	8" x 20"	AASHTO HS-20

Notes:

All design loads cited are the load per wheel.

All design loads have been established based on a general survey of typical equipment weights and wheel sizes. Data for specific equipment anticipated should be supplied when known.

Contact the factory for analysis of unique or project-specific load requirements. When doing so, please provide the required load magnitude and contact area, or the make and model or technical data of the equipment anticipated to be crossing the system.



QUALITY PRODUCTS ENGINEERED AND CRAFTED TO MEET TOMORROW'S NEEDS TODAY

With 60 years of experience, Balco has set an industry benchmark with our highly skilled engineers, manufacturing processes, and drafting designs. We customize our products to fit your projects' needs.

At Balco, we are dedicated to bringing you the highest quality products at competitive prices. Let us be an integral part of your next project.

Our products include:

- **Expansion Joint Covers**
- **Floor Mats & Grids**
- **Stair Nosings**
- **Trench & Access Covers**
- **Photoluminescent Egress**



CERTIFIED ISO 9001
Quality Management System

Renowned in the global construction and architecture industries, Balco products are installed at:



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Washington, DC, USA



**HONG KONG CONVENTION
AND EXHIBITION CENTRE**
Wangchai, Hong Kong



PETRONAS TOWERS
Kuala Lumpur, Malaysia



ORIENTAL PLAZA
Beijing, China



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