

EXPANDED METAL MANUFACTURING CO.



EXPANSION JOINT SYSTEM



BUREAU
VERITAS

Bureau Veritas Certification

EXPANDED METAL MANUFACTURING COMPANY W.L.L

ZONE 81, BUILDING 455, STREET NO. 29, STREET J, NEW INDUSTRIAL AREA, P.O. BOX: 17840,
DOHA, STATE OF QATAR

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015

Scope of certification

MANUFACTURING, MARKETING AND SUPPLY OF PLASTERING AND BLOCK ACCESSORIES,
GYPSUM ACCESSORIES FOR DRY WALL PARTITION AND CEILING SYSTEM, CLADDING
FIXING SYSTEM, CABLE TRAY AND CABLE TRUNKING FOR BUILDING CONSTRUCTION
MATERIALS. FABRICATION, MARKETING AND SUPPLY OF SHELVING AND RACKING
SYSTEM.

Original Cycle Start Date:	06-06-2011
Expiry date of previous cycle:	NA
Certification / Recertification Audit date:	NA
Certification / Recertification cycle start date:	18-04-2023
Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on:	05-06-2026
Certificate No.:	QA003228
Rev:	1
Issue date:	18-04-2023

Sarah Nahal – Certification Manager



0008

Certification Body Address: 5th Floor, 66 Prescott Street, London, E1 8HG, United Kingdom

Local Office: Bureau Veritas International Doha W.L.L, First Floor, D-Ring Road, Building No. 35, Street No. 250,
Zone 45, Old Airport Area, P.O. Box 22157, Doha, State of Qatar

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +97440329729



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BS 5385-5: 2009 - Wall and Floor Tiling: Design and Installation

MATERIALS

BS EN 10088 / ASTM A 240 / ASTM A 666 – Stainless steel 304 and 316

BS EN 485-1 / ASTM B209 – Aluminum and Aluminum-Alloy Sheet and Plate

ASTM B221 – Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes

LEED INFORMATION

STAINLESS STEEL

LEED Requirement	EXMET Compliance
MR 4: Recycled Content	- Post-consumer content - 60% * - Post-industrial / Pre-consumer content - 10% *
MR 5: Regional Materials	Products are produced within 800 km distance
IEQ 3.1: Construction Indoor Air Quality Management Plan – During Construction	VOC content is zero
IEQ 4.2: Low-Emitting Materials – Paints and Coatings	

ALUMINUM

LEED Requirement	EXMET Compliance
MR 4: Recycled Content	- Post-consumer content - 60% * - Post-industrial / Pre-consumer - 10%*
MR 5: Regional Materials	Products are produced within 800 km distance
IEQ 3.1: Construction Indoor Air Quality Management Plan – During Construction	VOC content is zero
IEQ 4.2: Low-Emitting Materials – Paints and Coatings	

* recycled content generally varies in different products

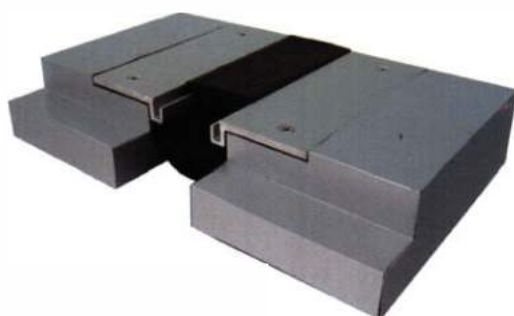
FLUSH THIN LINE FLOOR COVERS

Single flush gasketed floor systems covering small openings.

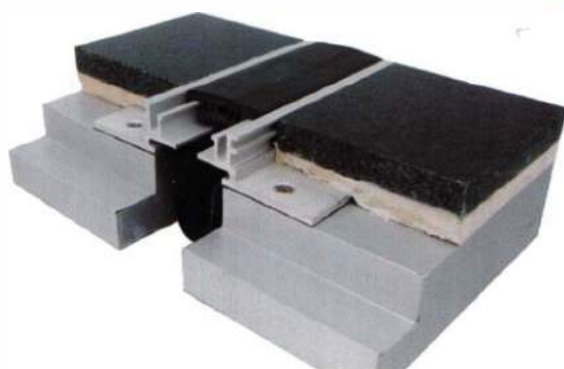
PRODUCT FEATURES:



Opening Size	10– 100 mm
% Movement Range (+, -)	25 - 50% of Joint Width
Movement Type	Seismic, Thermal, Shear
Finishes	Carpet, Vinyl, Ceramic Tile, Terrazzo, Stone
Application (Designed For)	Interior, Hygienic, Wheeled Equipment, No Bump, New to New Structure or New to Existing Structure



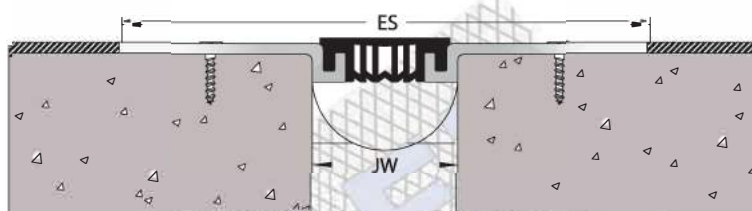
MSDDJ-2



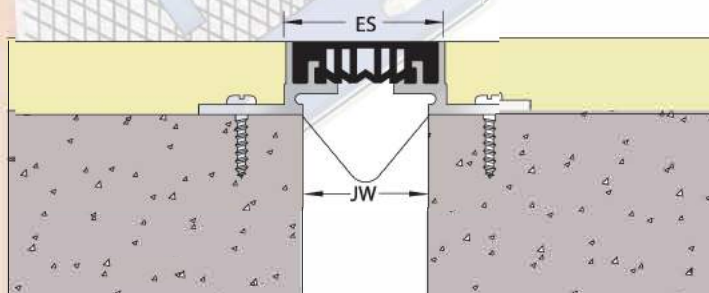
MSDDJF



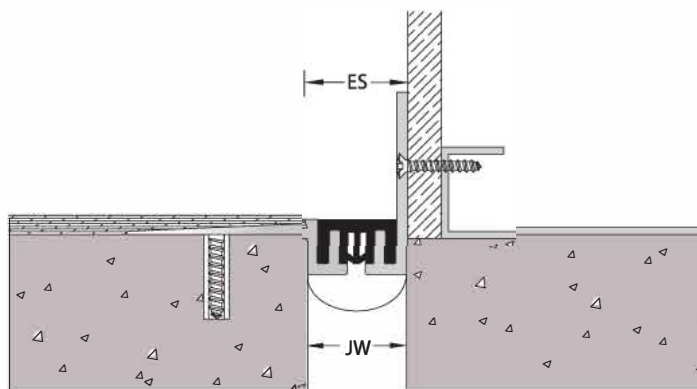
MSLTO-1



MSDDJ-2			
Joint Width	25	50	75
Exposed Surface	98	123	148
Total Movement	12	12	12



MSDDJF			
Joint Width	50	75	
Exposed Surface	69	94	
Total Movement	12	12	



MSLTO -1			
Joint Width	50	75	100
Exposed Surface	162	187	212
Total Movement	25	37.5	50

FLUSH TWIN LINE FLOOR COVERS

Dual-flush gasketed system is similar to the Flush Thin Line Covers but it is used to cover a larger opening.

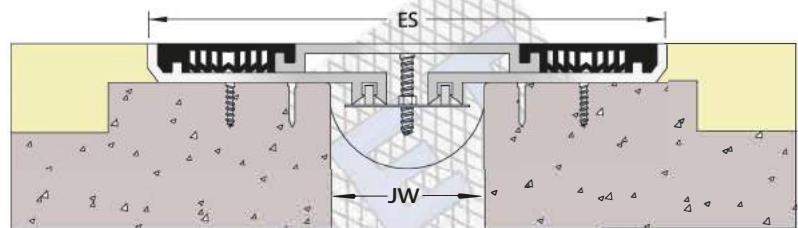
PRODUCT FEATURES:



Opening Size	100 – 300 mm
% Movement Range (+, -)	25 - 50% of Joint Width
Movement Type	Seismic, Thermal, Shear
Finishes	Carpet, Vinyl, Ceramic Tile, Terrazzo, Stone
Application (Designed For)	Interior, Hygienic, Wheeled Equipment, No Bump, New to New Structure or New to Existing Structure



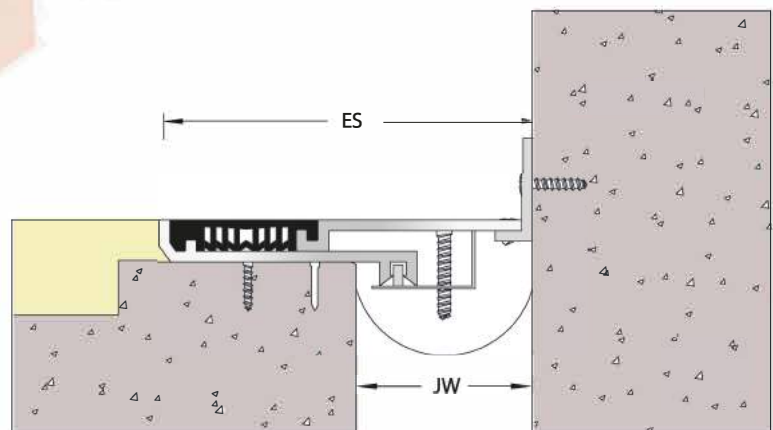
MSDSJ



	MSDSJ			
Joint Width	100	150	200	300
Exposed Surface	278	328	378	478
Total Movement	25	25	25	25



MSD - QSJ



	MSD-QSJ			
Joint Width	100	150	200	300
Exposed Surface	189	239	289	389
Total Movement	13	13	13	13

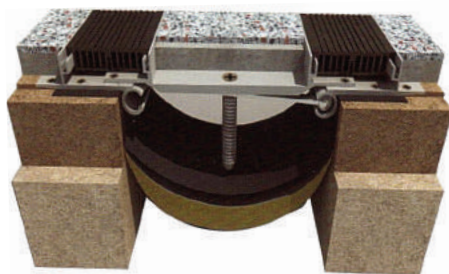
FLUSH TWIN LINE FLOOR COVERS

Dual-flush gasketed system is similar to the Flush Thin Line Covers but it is used to cover a larger opening.

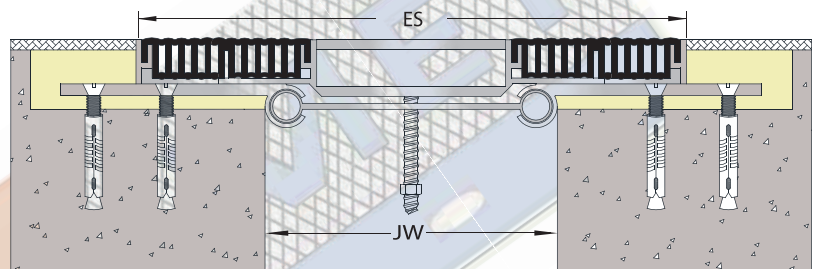
PRODUCT FEATURES:



Opening Size	100 – 300 mm
% Movement Range (+, -)	25 - 50% of Joint Width
Movement Type	Seismic, Thermal, Shear
Finishes	Carpet, Vinyl, Ceramic Tile, Terrazzo, Stone
Application (Designed For)	Interior, Hygienic, Wheeled Equipment, No Bump, New to New Structure or New to Existing Structure



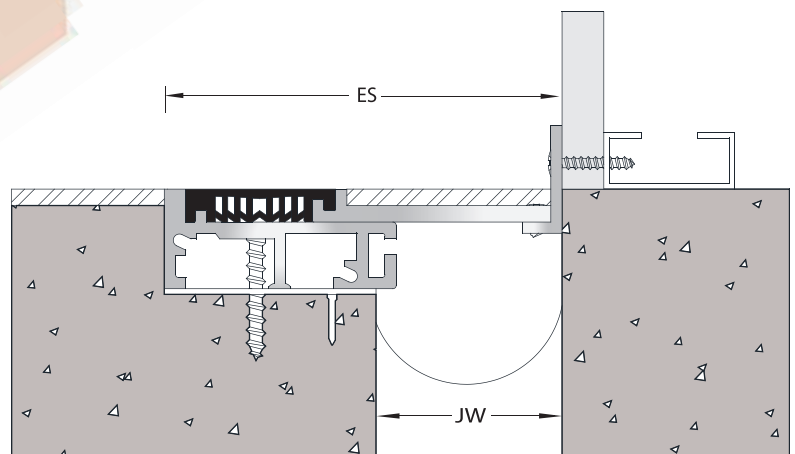
MSDSZA-1



MSDSZA-1				
Joint Width	50	75	120	235
Exposed Surface	138-166	193-241	113-127	211-235
Total Movement	28	48	14	24



MSD-QSJH-2



MSD-QSJH-2					
Joint Width	100	150	200	250	300
Exposed Surface	169	219	269	319	369
p	120	170	220	270	320
Total Movement	13	13	13	13	13

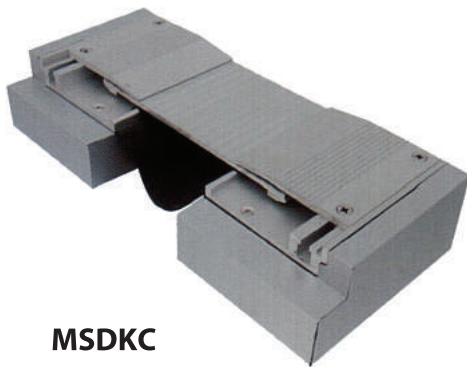
ALLWAY STANDARD METAL FLOOR COVERS

Standard Metal Floor Covers uses aluminum covers for joints and slides

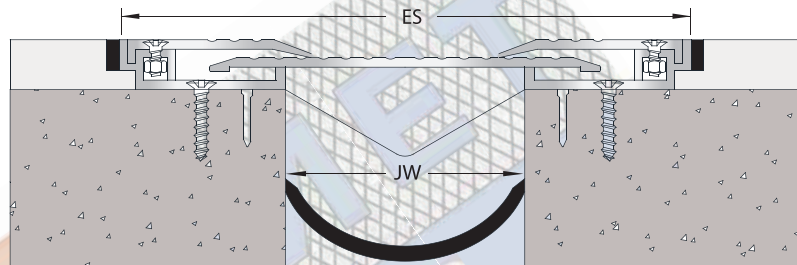
PRODUCT FEATURES:



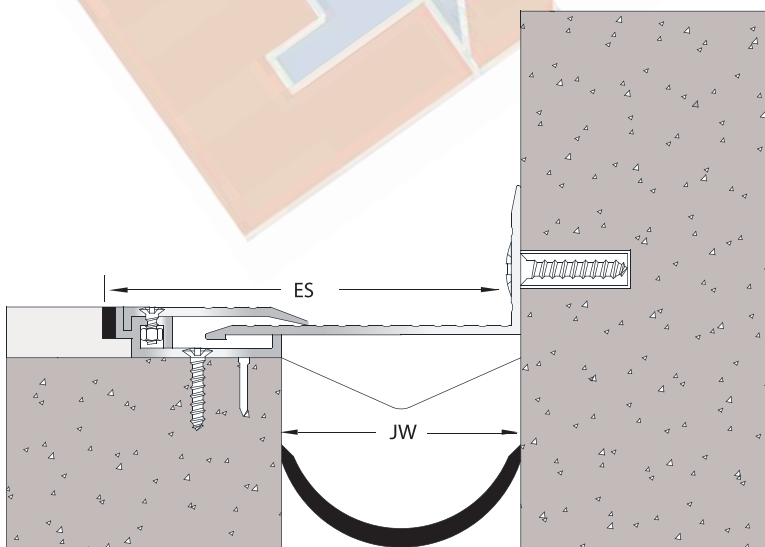
Opening Size	100 – 300 mm
% Movement Range (+, -)	25 - 50% of Joint Width
Movement Type	Seismic, Thermal, Shear
Finishes	Carpet, Vinyl, Ceramic Tile, Terrazzo, Stone
Application (Designed For)	Interior, Hygienic, Wheeled Equipment, No Bump, New to New Structure or New to Existing Structure



MSDKC



MSDKC				
Joint Width	75	100	125	150
Exposed Surface	285	310	335	360
Total Movement	76	76	76	76



MSD - QKC

MSD-QKC				
Joint Width	75	100	125	150
Exposed Surface	180	205	230	255
Total Movement	38	38	38	38

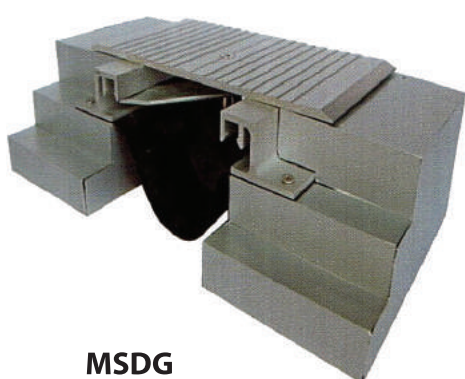
ALLWAY STANDARD METAL FLOOR COVERS

Standard Metal Floor Covers uses aluminum covers for joints and slides

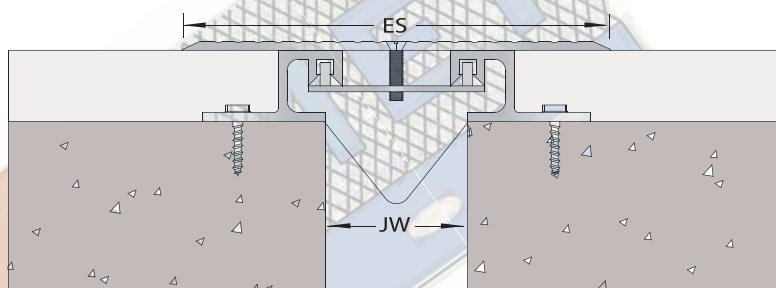
PRODUCT FEATURES:



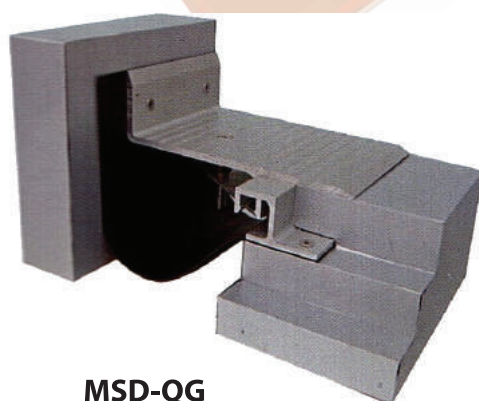
Opening Size	25 – 100 mm
% Movement Range (+, -)	25 - 50% of Joint Width
Movement Type	Seismic, Thermal, Shear
Finishes	Carpet, Vinyl, Ceramic Tile, Terrazzo, Stone
Application (Designed For)	Interior, Hygienic, Wheeled Equipment, No Bump, New to New Structure or New to Existing Structure



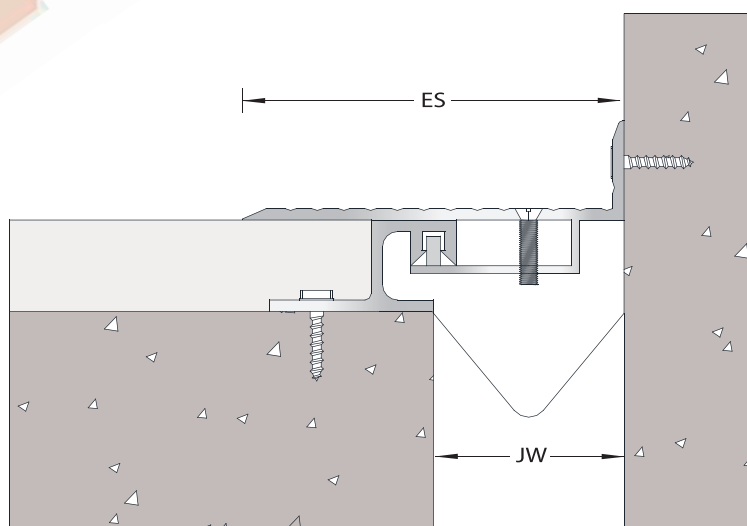
MSDG



	MSDGC											
Joint Width	50	75	100	125	150	200	250	300	350	400	450	500
Exposed Surface	150	175	200	248	225	300	375	450	525	600	675	750
Total Movement	25	37	50	25	62	125	125	150	175	200	225	250



MSD-QG



	MSD - QG											
Joint Width	50	75	100	125	150	200	250	300	350	400	450	500
Exposed Surface	100	125	150	175	200	250	312	375	437	500	562	625
Total Movement	12	18	25	31	37	50	62	75	87	100	112	125

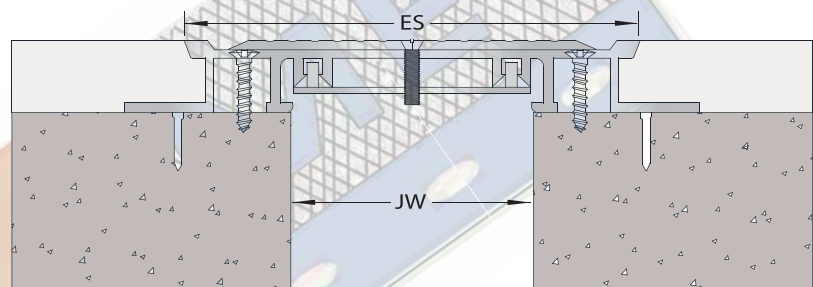
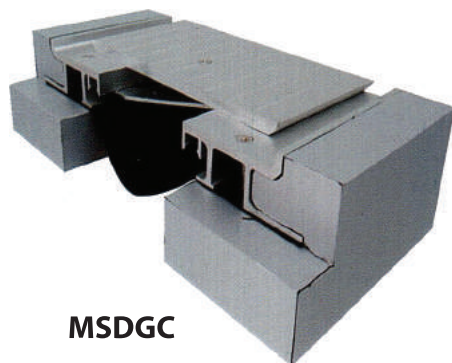
SEISMIC ALL WAY METAL FLOOR COVERS

Standard Metal Floor Covers uses aluminum covers for joints and slides

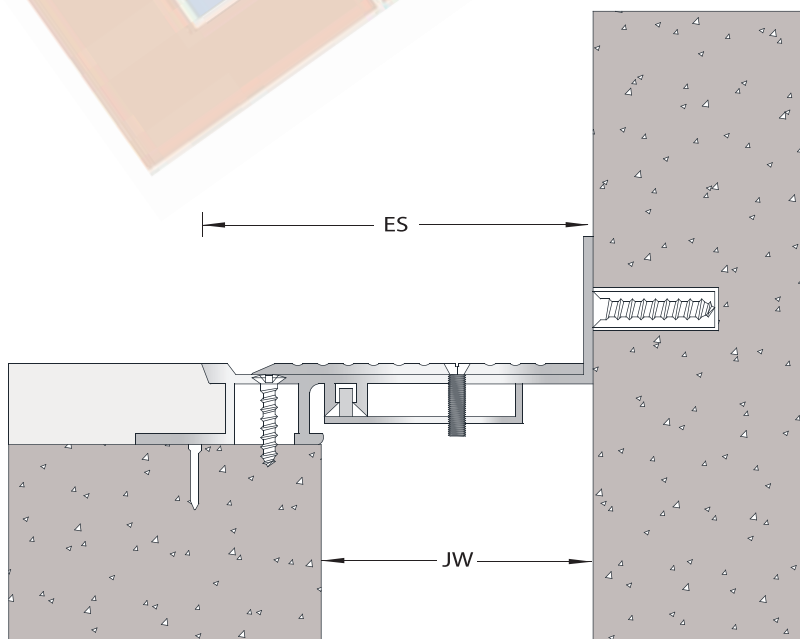
PRODUCT FEATURES:



Opening Size	25 – 100 mm
% Movement Range (+, -)	25 - 50% of Joint Width
Movement Type	Seismic, Thermal, Shear
Finishes	Carpet, Vinyl, Ceramic Tile, Terrazzo, Stone
Application (Designed For)	Interior, Hygienic, Wheeled Equipment, No Bump, New to New Structure or New to Existing Structure



MSDGC												
Joint Width	50	75	100	125	150	200	250	300	350	400	450	500
Exposed Surface	173	198	223	248	273	323	373	423	473	523	573	623
Total Movement	25	25	25	25	25	25	25	25	25	25	25	25



MSD - QGC

MSD - QGC												
Joint Width	50	75	100	125	150	200	250	300	350	400	450	500
Exposed Surface	112	137	162	187	212	262	312	362	412	462	512	562
Total Movement	12	12	12	12	12	12	12	12	12	12	12	12

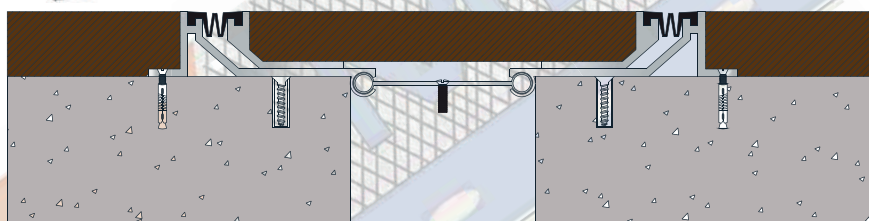
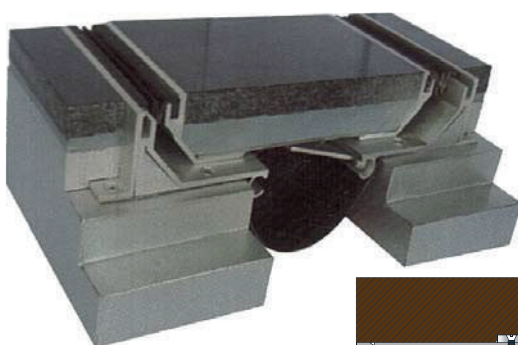
FLUSH SEISMIC METAL FLOOR COVERS

Standard Metal Floor Covers uses aluminum covers for joints and slides

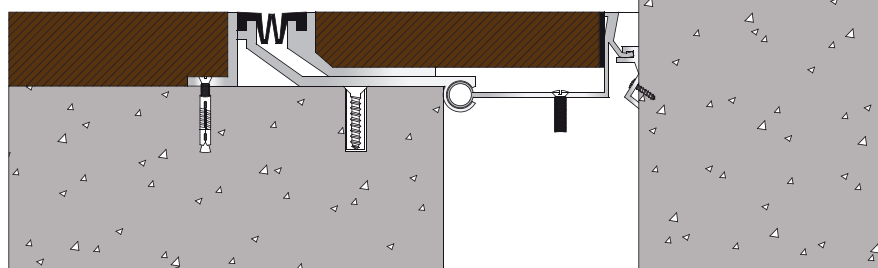
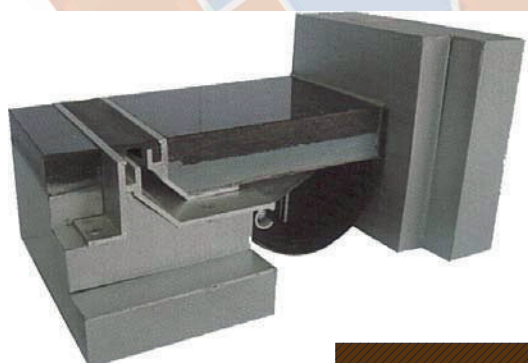
PRODUCT FEATURES:



Opening Size	25 – 100 mm
% Movement Range (+, -)	25 - 50% of Joint Width
Movement Type	Seismic, Thermal, Shear
Finishes	Carpet, Vinyl, Ceramic Tile, Terrazzo, Stone
Application (Designed For)	Interior, Hygienic, Wheeled Equipment, No Bump, New to New Structure or New to Existing Structure

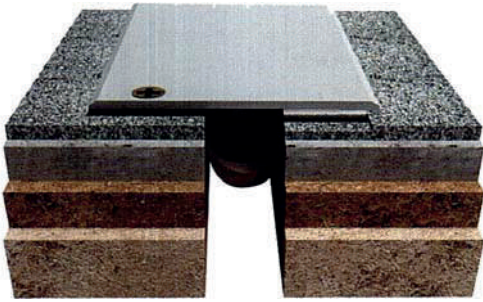


MSDSZJ

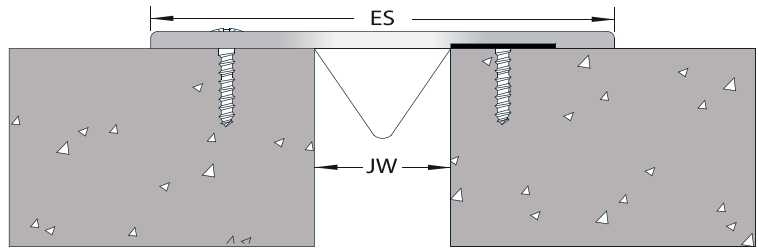


MSD-QSZJ

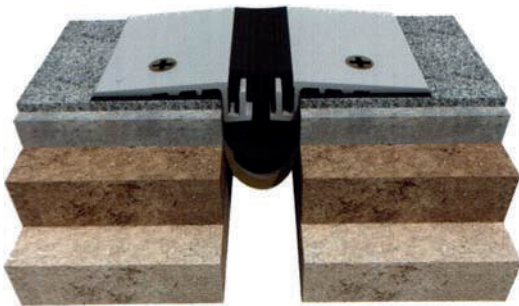
OTHER DESIGNS:



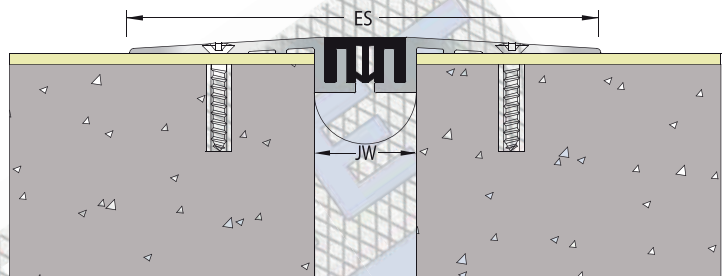
MSDDG



MSDDG			
Joint Width	25	40	50
Exposed Surface	75	100	150
Total Movement	50	75	100



MSQTO-1

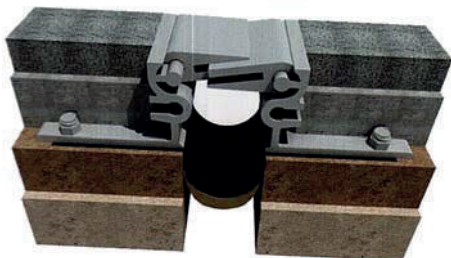


MSQTO-1			
Joint Width	50	75	100
Exposed Surface	162	187	212
Total Movement	25	37.5	50

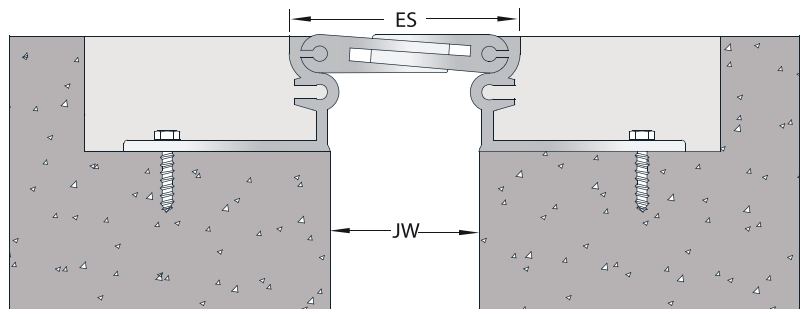


MSQTP-1

MSQTP-1			
Joint Width	25	50	75
Exposed Surface	38	63	88
Total Movement	12	12	12



MSCZYH-1



MSCZYH-1			
Joint Width	25	50	75
Exposed Surface	180	205	230
Total Movement	30	30	30

INTERIOR WALL

Standard Metal Floor Covers uses aluminum covers for joints and slides

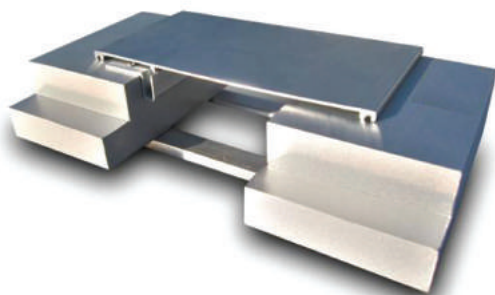
PRODUCT FEATURES:



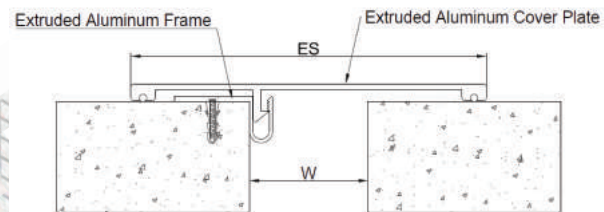
Opening Size	25 – 200 mm
% Movement Range (+, -)	25 - 50% of Joint Width
Movement Type	Seismic, Thermal, Shear
Finishes	Carpet, Vinyl, Ceramic Tile, Terrazzo, Stone
Application (Designed For)	Interior, Hygienic, Wheeled Equipment, No Bump, New to New Structure or New to Existing Structure

MATERIAL:

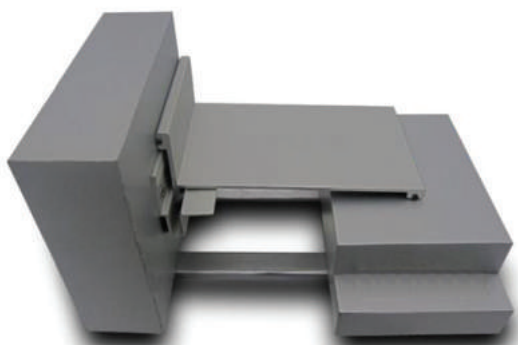
Aluminum: ASTM 6063T5, Anodized; 1060 for aluminum sheet



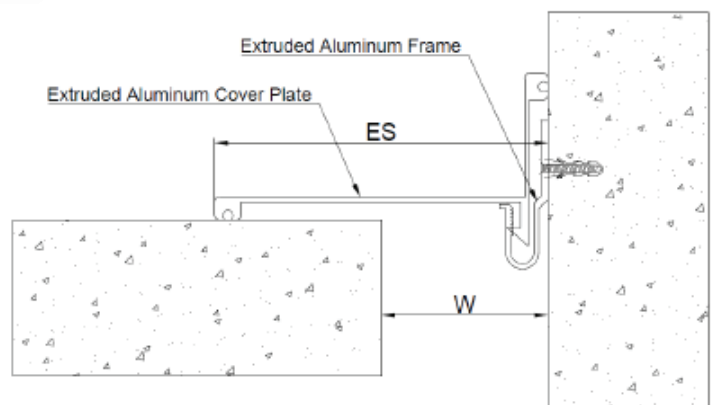
MSNDK



MSNDK				
Joint Width (mm)	50	100	150	200
Exposed Surface (mm)	130	200	250	300
Movement Capacity (mm)	70	140	190	240



MSN-QDK



MSN-QDK			
Joint Width (mm)	50	100	150
Exposed Surface (mm)	100	145	200
Movement Capacity (mm)	80	130	180

INTERIOR WALL

Standard Metal Floor Covers uses aluminum covers for joints and slides

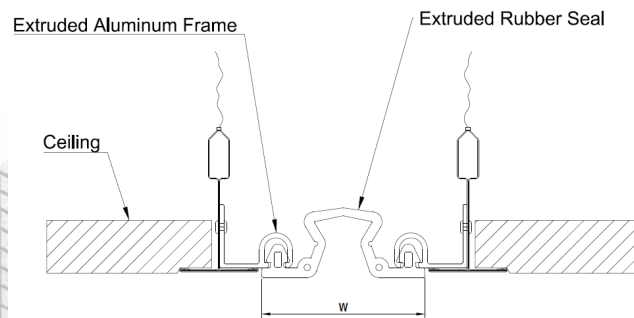
PRODUCT FEATURES:



Opening Size	25 – 200 mm
% Movement Range (+, -)	25 - 50% of Joint Width
Movement Type	Seismic, Thermal, Shear
Finishes	Carpet, Vinyl, Ceramic Tile, Terrazzo, Stone
Application (Designed For)	Interior, Hygienic, Wheeled Equipment, No Bump, New to New Structure or New to Existing Structure

MATERIAL:

Aluminum: ASTM 6063 - T5, Anodized, Santoprene

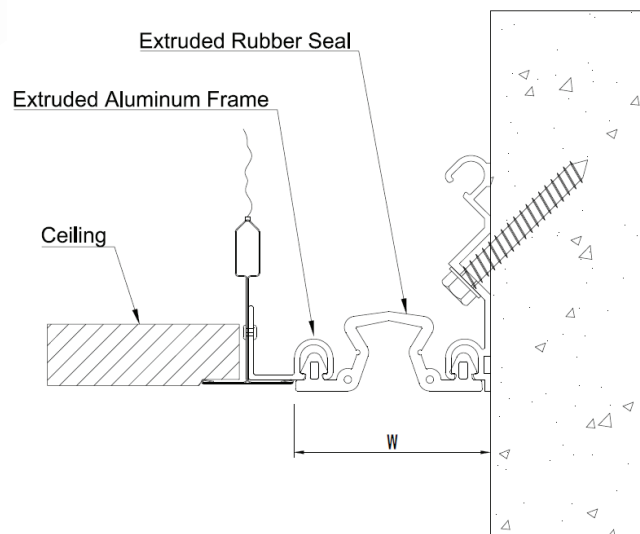


MSNDJ

MSNDJ			
Joint Width (mm)	50	100	150
Exposed Surface (mm)	50	100	150
Movement Capacity (mm)	50	100	150



MSN-QDJ



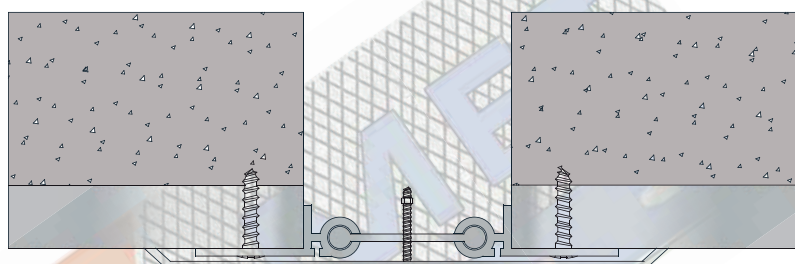
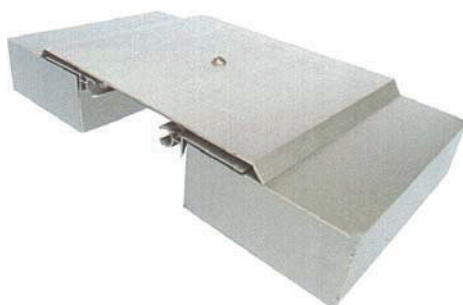
INTERIOR WALL AND CEILING COVERS

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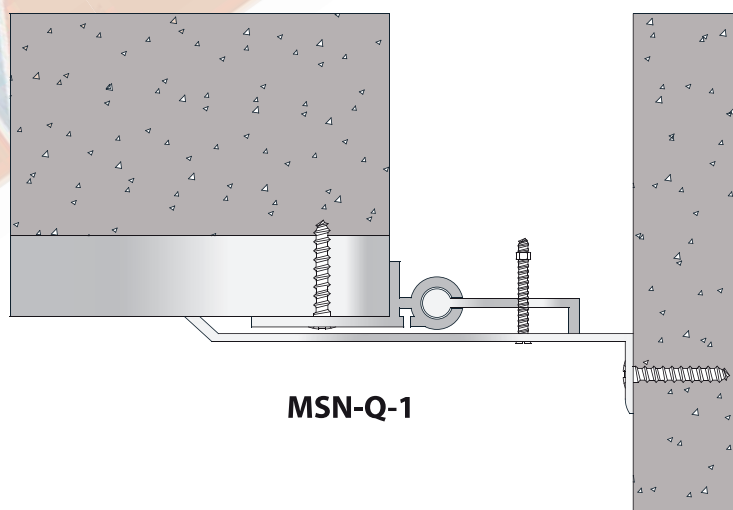
PRODUCT FEATURES:



Opening Size	25 – 100 mm
% Movement Range (+, -)	25 - 50% of Joint Width
Movement Type	Seismic, Thermal, Shear
Finishes	Carpet, Vinyl, Ceramic Tile, Terrazzo, Stone
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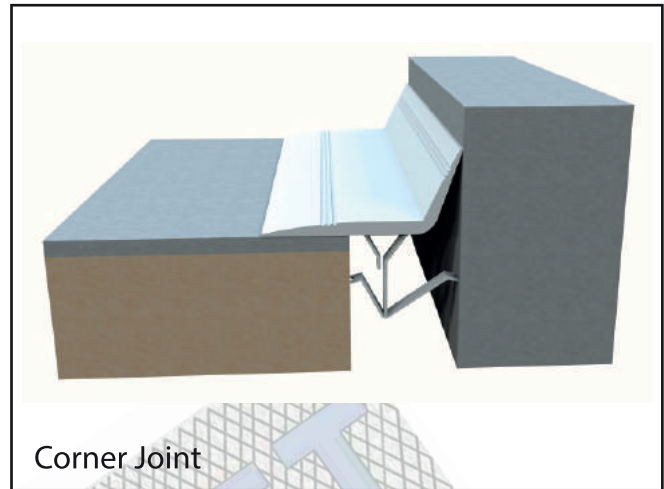
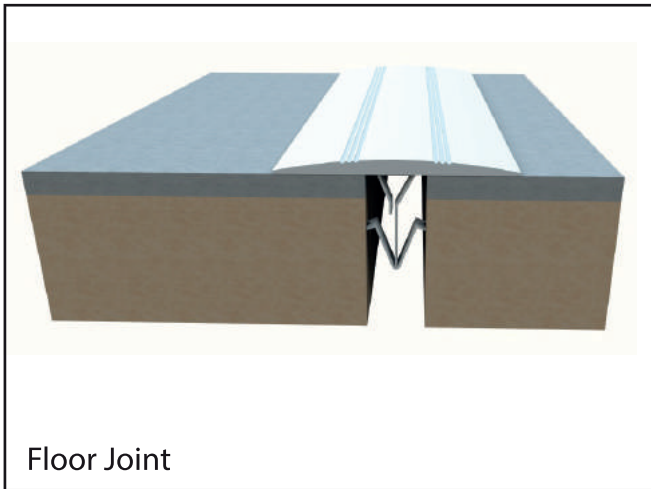


MSNG-1



MSN-Q-1

For Floor, Wall and Corner Joint Covers



MODEL	JOINT WIDTH (mm)	SIGHT LINE (mm)
STRAIGHT COVER		
EJC - S50	15 – 35	50
EJC – S70	25 - 55	70
EJC – S90	35 – 75	90
CORNER COVER		
EJC – C50	15 – 35	50
EJC – C70	25 – 55	70
EJC – C90	35 - 75	90

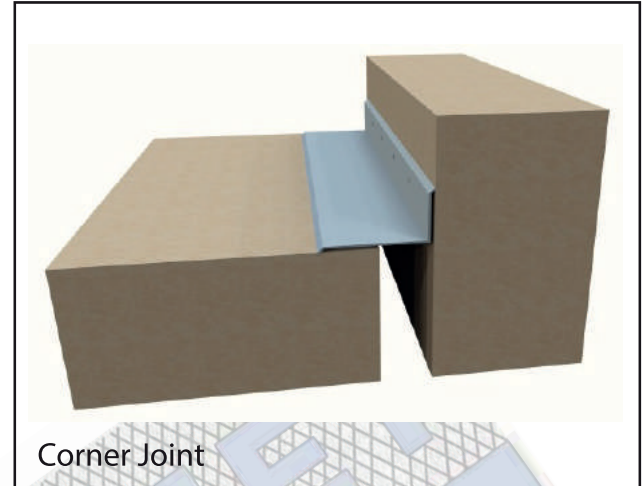
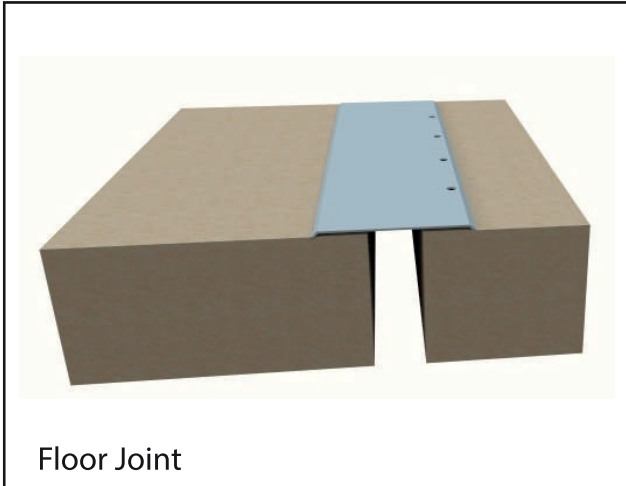
EXMET Cover Joints are extruded aluminum strips with a standard anodized finish. These are designed to fit on floors, walls, ceilings, beams, soffits and corners using stainless steel spring clips. Cover strips are the most economical solution for expansion joints and are especially used for refurbishment jobs.

Cover strips can withstand heavy pedestrian traffic and light wheeled equipments.

Aluminum extrusions are manufactured from 6063 T6 Aluminum and finished with a 15 micron thick natural satin anodizing layer. These can be powder coated to any RAL colors for different wall finishes.

EXMET cover strips span a joint width of 15 to 70 mm and are affixed permanently anchoring with special stainless steel spring clips. Two types of anchoring / fixing clips are manufactured from tempered Stainless Spring Steel which does not corrode remains permanently flexible without loss of back pressure and thus provides an extremely positive fixing.

For Floor, Wall and Corner Joint Covers



MODEL	JOINT WIDTH (mm)	SIGHT LINE (mm)
STRAIGHT COVER		
EJC - S50	15 – 35	50
EJC – S70	25 - 55	70
EJC – S90	35 – 75	90
CORNER COVER		
EJC – C50	15 – 35	50
EJC – C70	25 – 55	70
EJC – C90	35 - 75	90

* other sizes can be manufactured

EXMET Cover Joints are made of stainless steel 304 and 316 finish. These are designed to fit on floors, walls, ceilings, beams, soffits and corners. Cover strips are the most economical solution for expansion joints and are especially used for refurbishment jobs.

Cover strips can withstand heavy pedestrian traffic and light wheeled equipments.

EXMET cover strips span a joint width of 15 to 70 mm and are affixed permanently anchoring with screws at one side.



An architectural line of thermal, seismic, waterproof and fire rated expansion joint systems meeting the aesthetic and structural demands of airports, hospitals, shopping malls and other building types.

Joint Width (W)	25	50	100	125	150	200	250	300
Exposed Surface (ES)	230	230	280	305	330	380	430	480
Movement Capacity	140	140	190	215	240	290	340	390

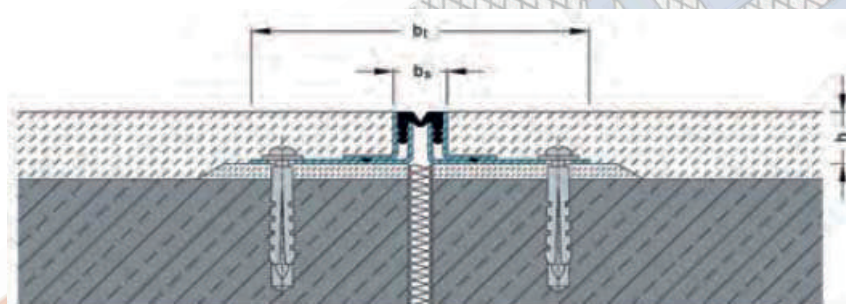
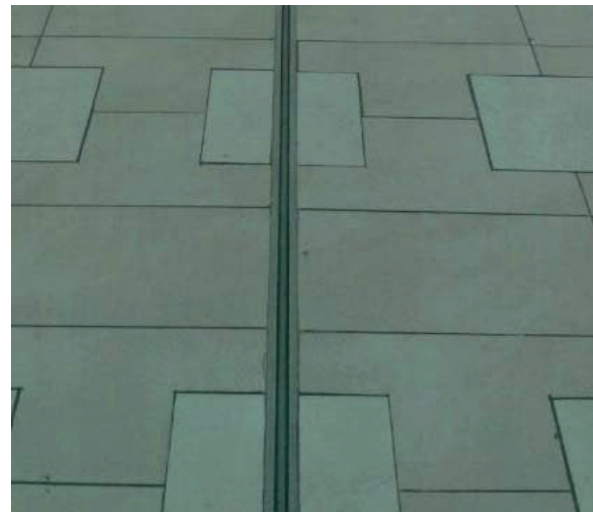
APPLICATION:

Ideal for roof to roof applications

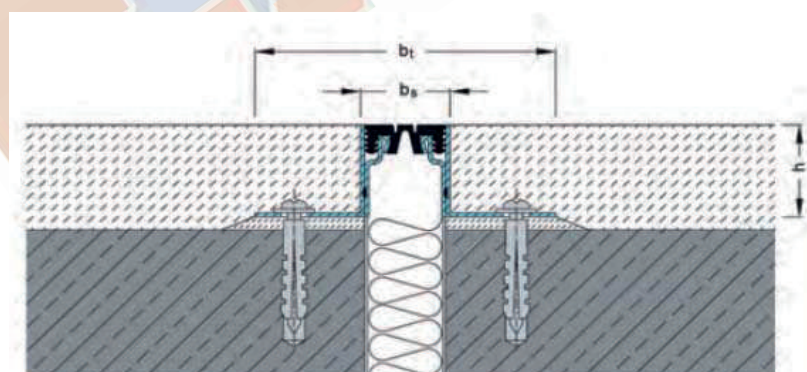
MATERIAL:

Aluminum: ASTM 6063T5, Anodized; 1060 for aluminum sheet

Tile expansion joints used in hospitals and malls to ensure the straightness of the tiles.



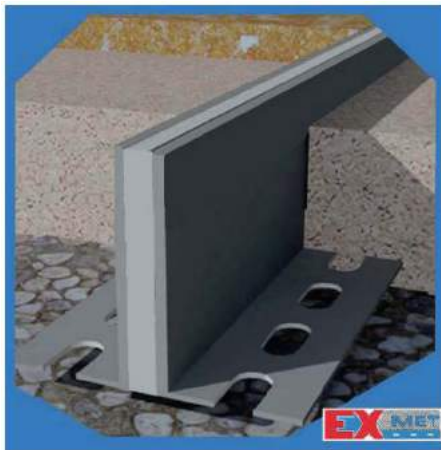
MSES 20/20



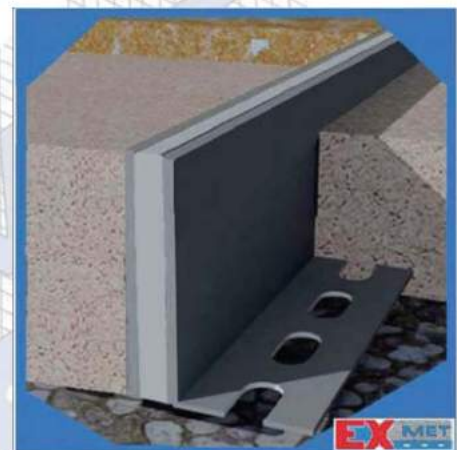
MSES 33/14

Model	Joint Width	Height	Total Width	Load Capacity	Total Movement	Side Plate
MSES 20/20	20	20	80	30 kN	+/-3	Stainless Steel
MS ES 33/14	33	15	111	30 kN	+/-3	Stainless Steel

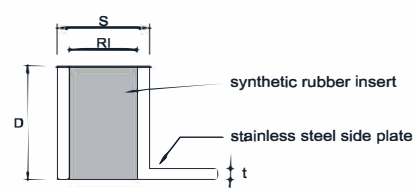
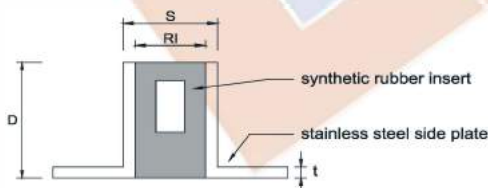
Tile movement joints are used on the floors and walls to protect edges and joints to allow differential movements and local stresses such as transient loading, shrinkage, thermal variation and others. This is most commonly used in large tiling areas.



TMJ1 - Consists of two L- plates bonded firmly to a synthetic rubber insert and often used between tile joints



TMJ2 - Makes use of one side plate on one side and an L-plate on the other and bonded firmly to the synthetic rubber insert. This is commonly used for perimeter fixing.



Code	Joint Depth (D) (mm)	Joint Size (S) (mm)	Flange Width (FW) (mm)
TMJ1 / TMJ2 - 12	12	10 / 15	20
TMJ1 / TMJ2 - 16	16	10 / 15	20
TMJ1 / TMJ2 - 20	20	10 / 15	20
TMJ1 / TMJ2 - 25	25	10 / 15	20
TMJ1 / TMJ2 - 30	30	10 / 15	25
TMJ1 / TMJ2 - 50	50	10 / 15	25

* Rubber insert: 7mm and 12mm

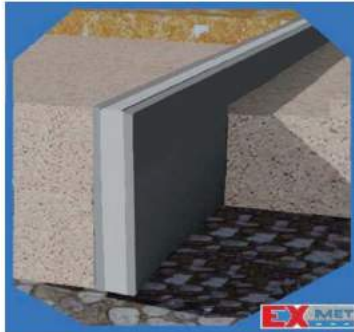
* Available colors for rubber insert: Black, Gray and Beige

* Other joint depths (D) are available upon request

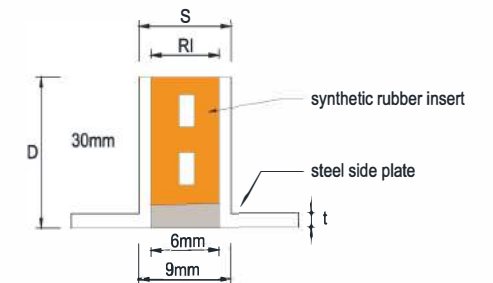
* Plate thickness: 1.5mm (other thickness can be arranged)

* Brass plates can also be arranged upon request

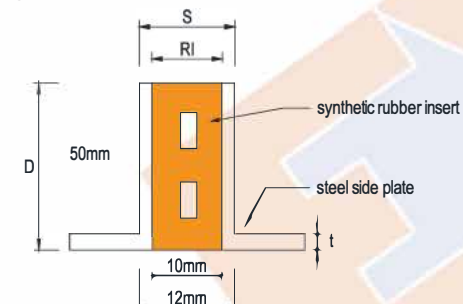
Custom-made profiles are made to suit special Architectural and Building requirements like bigger thickness upto 3mm, stainless steel and brass plates and rubber inserts based on RAL colors.



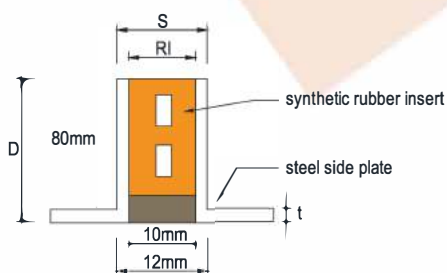
TMJ3 - Consists of side plates on both sides and firmly bonded to a synthetic rubber insert.



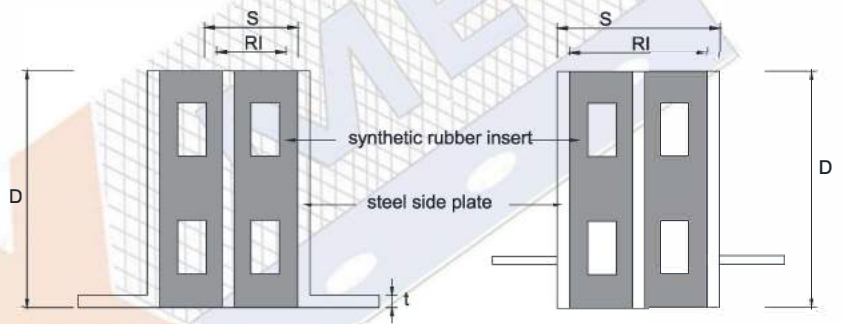
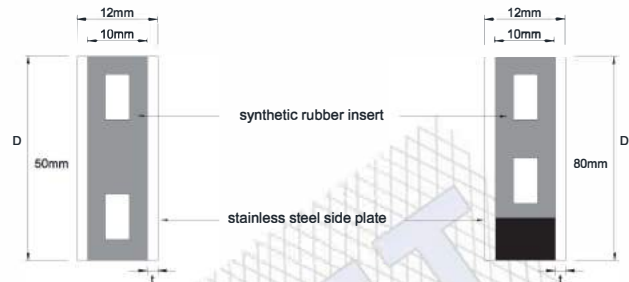
Both side flange with closed cell polyethylene tail



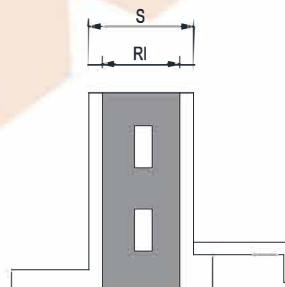
Both side flange with EDPM gasket



Both side flange with closed cell Polyethylene tail

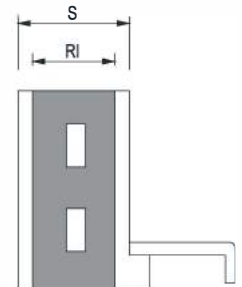


Flange with center plate and dual insert gaskets



One side flange and one side anchor hook

Both side plate with center plate, dual insert and anchor rod



One side plate and one side anchor hook

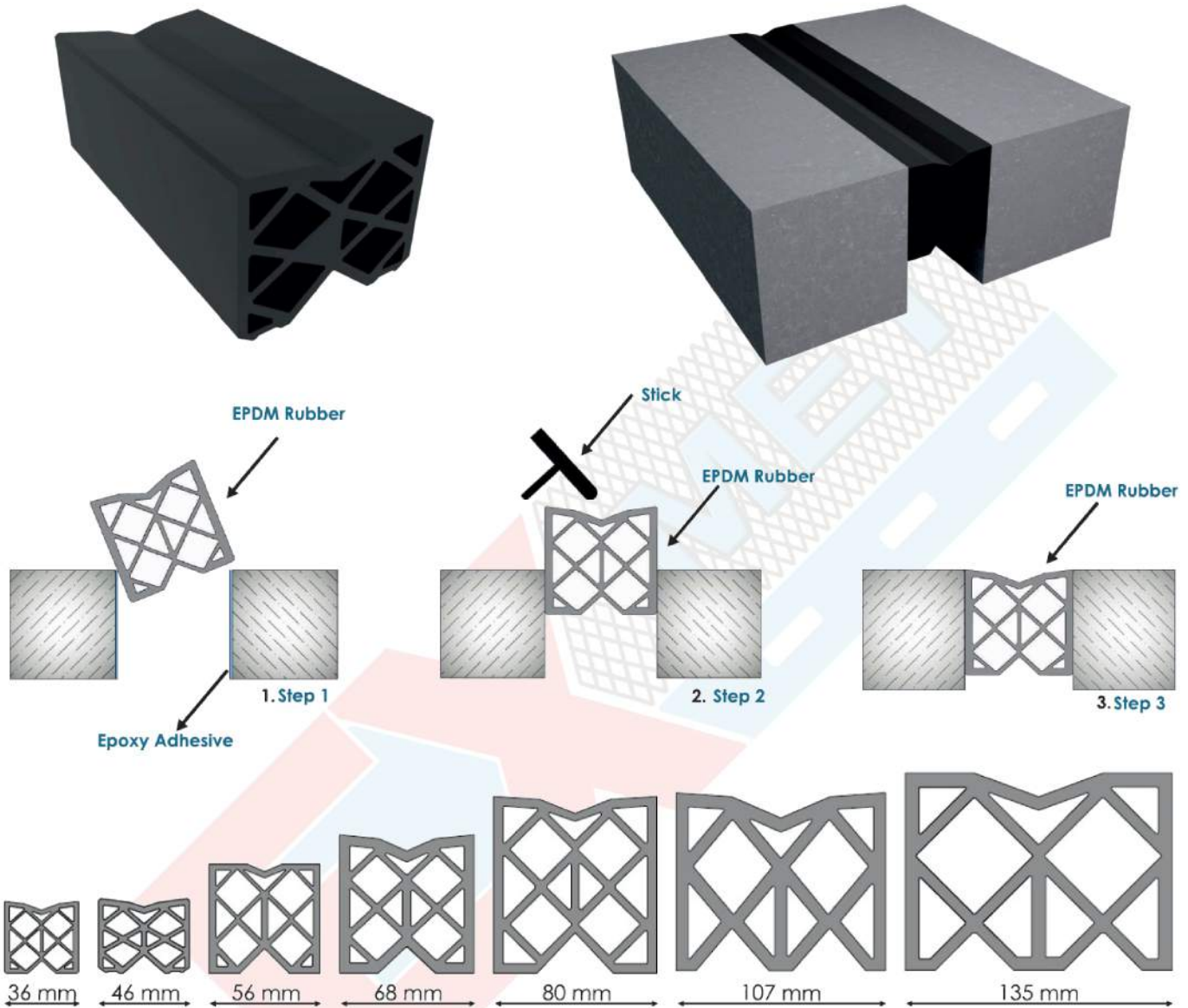
Stainless Steel Tile Separator

- made from Stainless Steel 304 and 316L.

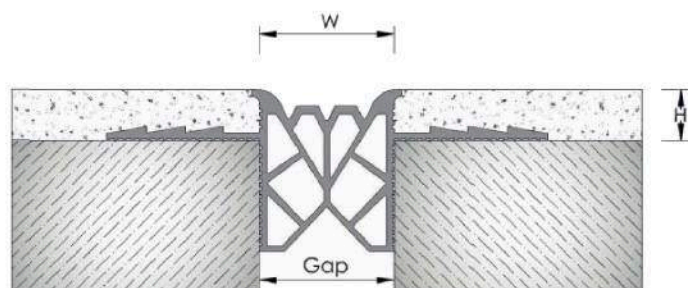
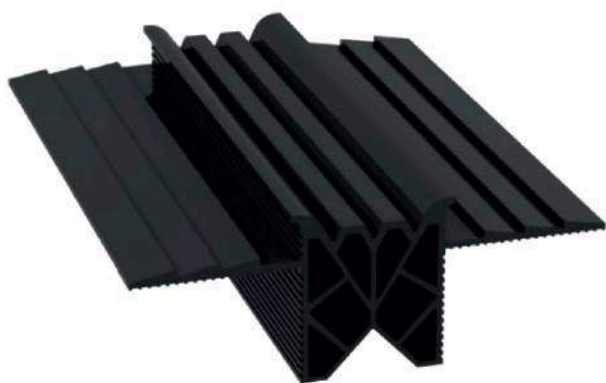
Finishes: Mirror Finish
Hairline Finish
Brush Finish



EX-W-H type Expansion Joint cover is made from EPDM Rubber, It can be installed vertically and horizontally. Thanks to the high-quality special design rubber, it provides long lasting resistance to oils, fuels, UV rays radiation and other chemical. Can easily be bonded to the applied floor with epoxy or epoxy applied floor with or epoxy based adhesive.

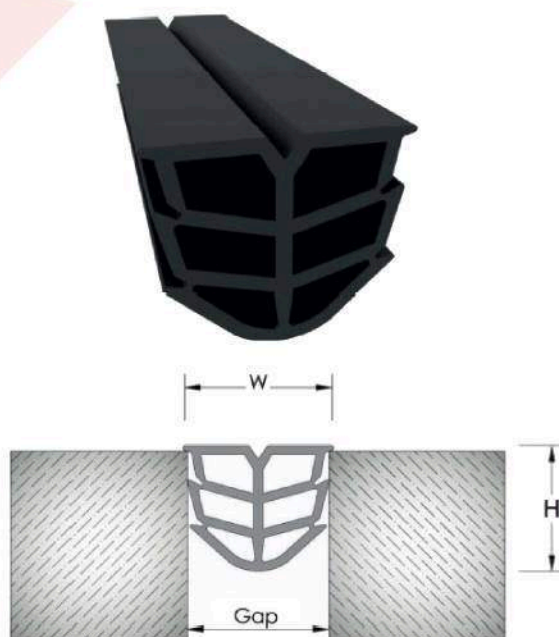
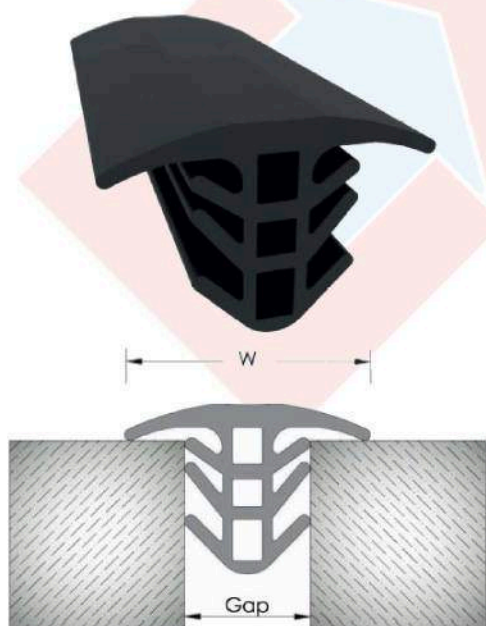


(Code)	(Width)	(Height)	(Gap)	(Movement Capacity)	(Load Capacity)
EX-W-H30	36mm	35mm	min. 18mm - max.30mm	12mm	
EX-W-H40	46mm	37mm	min. 20mm - max.40mm	20mm	
EX-W-H50	56mm	55mm	min. 25mm - max.50mm	25mm	
EX-W-H60	68mm	70mm	min. 30mm - max.60mm	30mm	
EX-W-H80	80mm	87mm	min. 35mm - max.70mm	35mm	
EX-W-H100	107mm	90mm	min. 50mm - max.100mm	50mm	
EX-W-H135	135mm	100mm	min. 55mm - max.125mm	70mm	

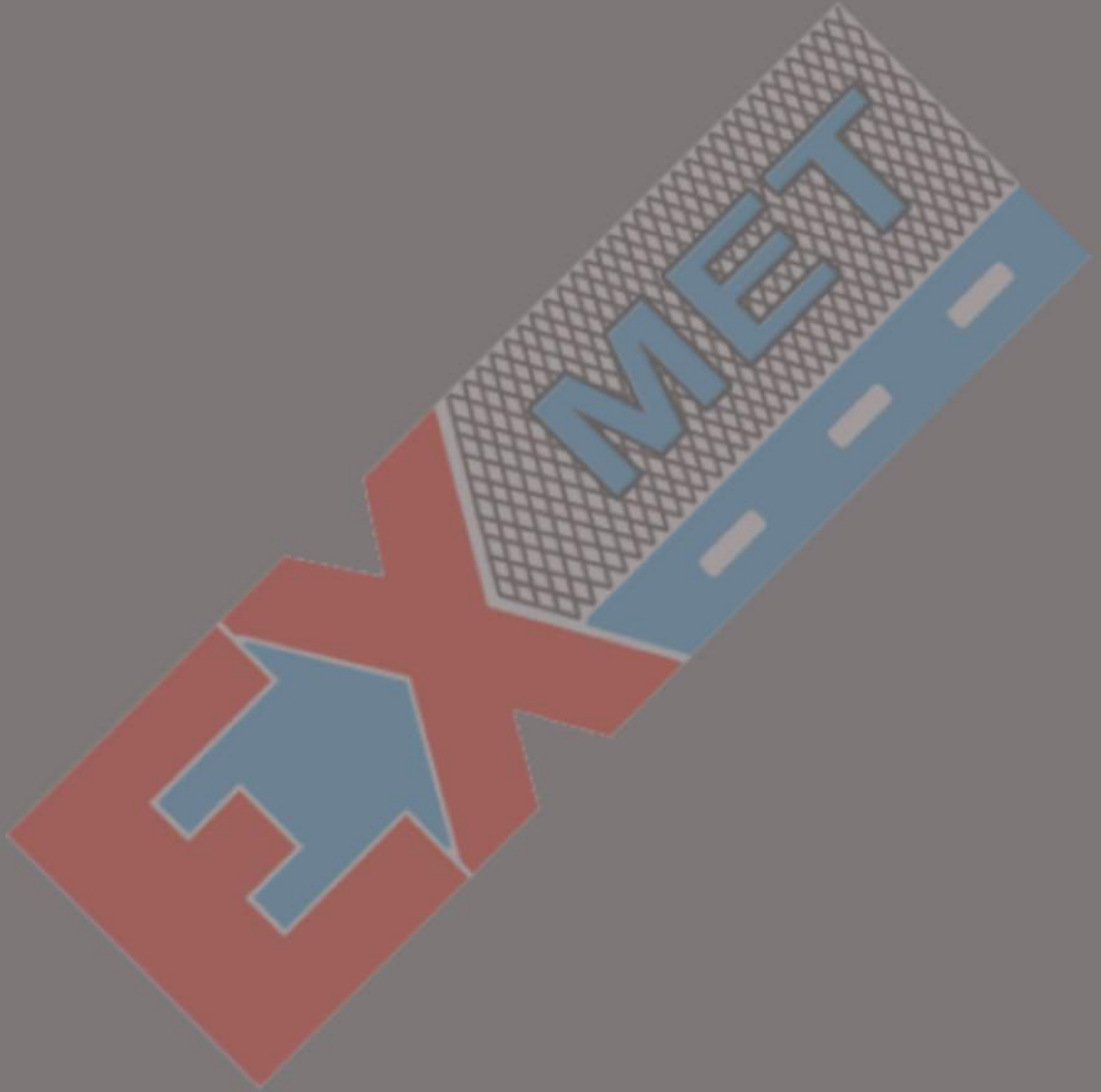


(Code)	(Gap)	(Height)	(Width)	(Movement Ability)	(Load Capacity)
EX-W-N25	25mm	19mm	120mm	+12mm / -12mm	35 kN 120 kN
EX-W-N50	50mm	19mm	154mm	+25mm / -25mm	
EX-W-N75	75mm	19mm	179mm	+37mm / -37mm	
EX-W-N100	100mm	19mm	204mm	+50mm / -50mm	
EX-W-N125	125mm	19mm	229mm	+62mm / -62mm	
EX-W-N150	150mm	19mm	254mm	+75mm / -75mm	

WALL & CEILING JOINT RUBBER PROFILE



(Code)	(Gap)	(Height)	(Visible Width)	(Total Movement Ability)	(Color)
EX-H-W10	10mm	45mm	68mm	+7mm / -5mm	Black
EX-H-W30	30mm	45mm	68mm	+7mm / -5mm	Black



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