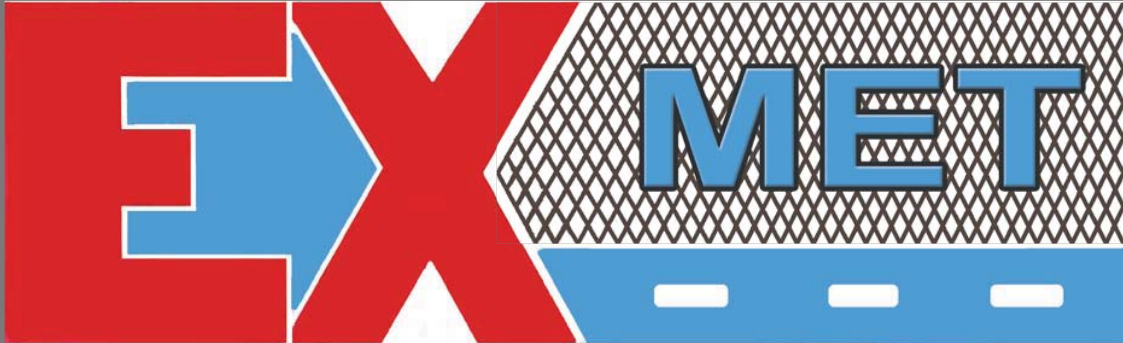


**EXPANDED METAL MANUFACTURING CO.**



**EXPANSION JOINT SYSTEM**

**BUREAU VERITAS**  
Certification



## **Expanded Metal Manufacturing Company Ltd.**

Gate No. 150, Street No. 31, Industrial Area  
P.O. Box 17840, Doha

**STATE OF QATAR**

*Bureau Veritas Certification certify that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standard detailed below*

*Standard*

**ISO 9001:2008**

*Scope of certification*

Manufacturing, Marketing and Supply of Plastering and Block Accessories, Gypsum Accessories for Drywall Partition and Ceiling System, Cladding Fixing System, Cable Tray and Cable Trunking for Building Construction Materials.

Certification cycle start date: **06 June 2014**

Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on: **05 June 2017**

Original Certification Date: 06 June 2011

**Certificate No. IND 14.9189/U/Q** Version 1, Revision date: 04.06.2014

**Certification Authority**

Certification body address: Brandon House, 180 Borough High Street, London SE1 1LB, **United Kingdom**  
Local office: **Bureau Veritas Certification**  
Doha, State of Qatar



008

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.  
To check this certificate validity please call: **+974 44437024**



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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	<ul style="list-style-type: none"> <li>• Post-consumer content - 60% *</li> <li>• Post-industrial / Pre-consumer content - 10% *</li> </ul>
MR 5: Regional Materials	<ul style="list-style-type: none"> <li>• Products are produced within 800 km distance</li> </ul>
IEQ 3.1: Construction Indoor Air Quality Management Plan – During Construction	<ul style="list-style-type: none"> <li>• VOC content is zero</li> </ul>
IEQ 4.2: Low-Emitting Materials – Paints and Coatings	

### ALUMINUM

LEED Requirement	EXMET Compliance
MR 4: Recycled Content	<ul style="list-style-type: none"> <li>• Post-consumer content - 60% *</li> <li>• Post-industrial / Pre-consumer - 10% *</li> </ul>
MR 5: Regional Materials	<ul style="list-style-type: none"> <li>• Products are produced within 800 km distance</li> </ul>
IEQ 3.1: Construction Indoor Air Quality Management Plan – During Construction	<ul style="list-style-type: none"> <li>• VOC content is zero</li> </ul>
IEQ 4.2: Low-Emitting Materials – Paints and Coatings	

\* recycled content generally varies in different products

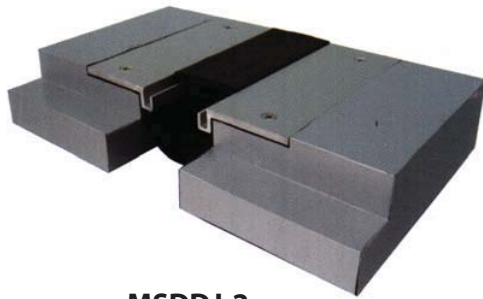
## FLUSH THIN LINE FLOOR COVERS

Single flush-gasketed floor systems providing an aesthetically pleasing sight line featuring a no-bump design in a wide range of decorator colors.

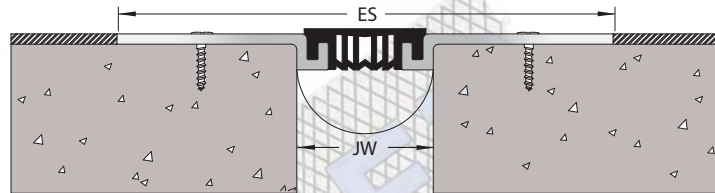
### PRODUCT FEATURES:



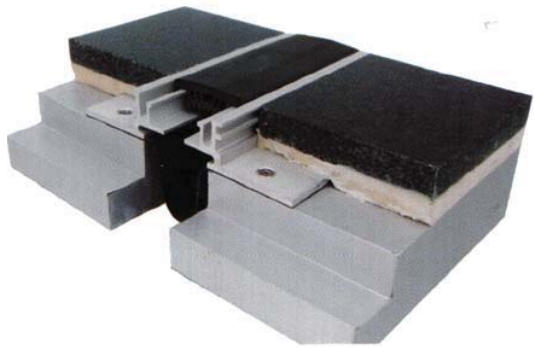
<b>Opening Size</b>	10– 100 mm
<b>% Movement Range (+, -)</b>	25 - 50% of Joint Width
<b>Movement Type</b>	Seismic, Thermal, Shear
<b>Finishes</b>	Carpet, Vinyl, Ceramic Tile, Terrazzo, Stone
<b>Application (Designed For)</b>	Interior, Hygienic, Wheeled Equipment, No Bump, New to New Structure or New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



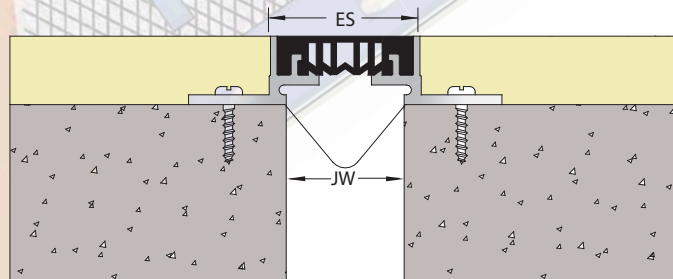
**MSDDJ-2**



MSDDJ-2					
Joint Width	10	25	50	75	100
Exposed Surface	10	38	62	87	112
Total Movement	5	8	12	18	25



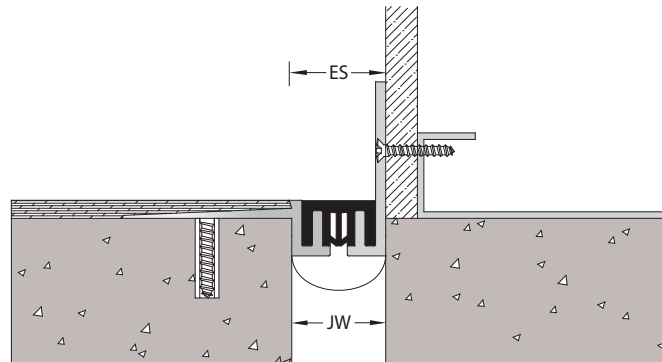
**MSDDJF**



MSDDJF					
Joint Width	10	25	50	75	100
Exposed Surface	10	38	62	87	112
Total Movement	5	8	12	18	25



**MSLTO-1**



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



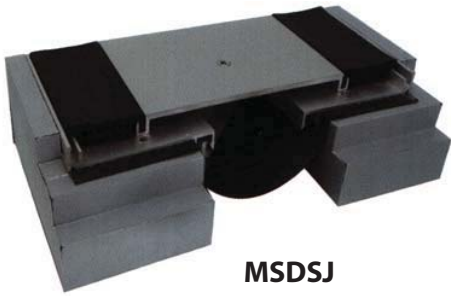
## FLUSH TWIN LINE FLOOR COVERS

Dual-flush gasketed system is used to cover a larger opening.

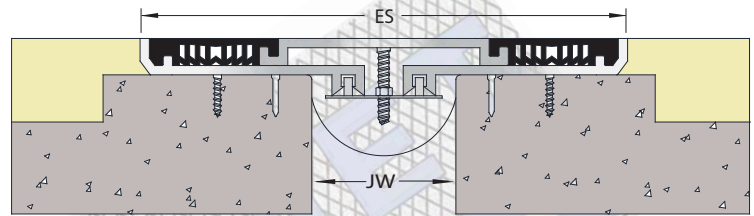
### PRODUCT FEATURES:



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



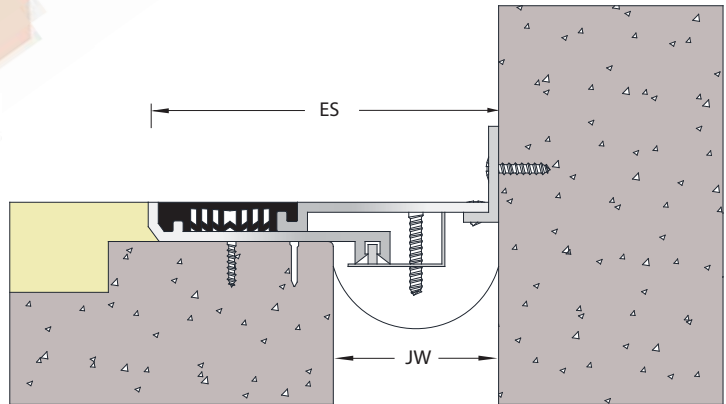
**MSDSJ**



MSDSJ					
Joint Width	100	150	200	250	300
Exposed Surface	301	351	401	451	501
p	187	237	287	337	387
Total Movement	25	25	25	25	25

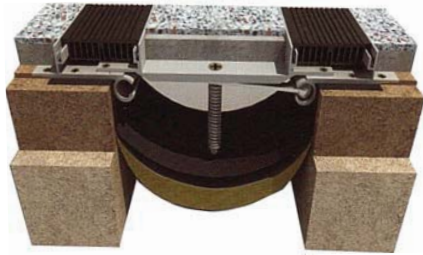


**MSD - QSJ**

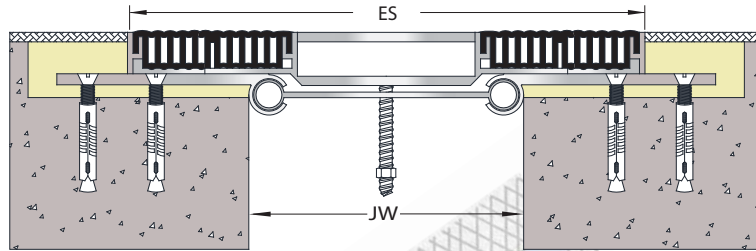


MSD - QSJ					
Joint Width	100	150	200	250	300
Exposed Surface	201	251	301	351	401
p	144	194	244	294	344
Total Movement	13	13	13	13	13

## FLUSH TWIN LINE FLOOR COVERS



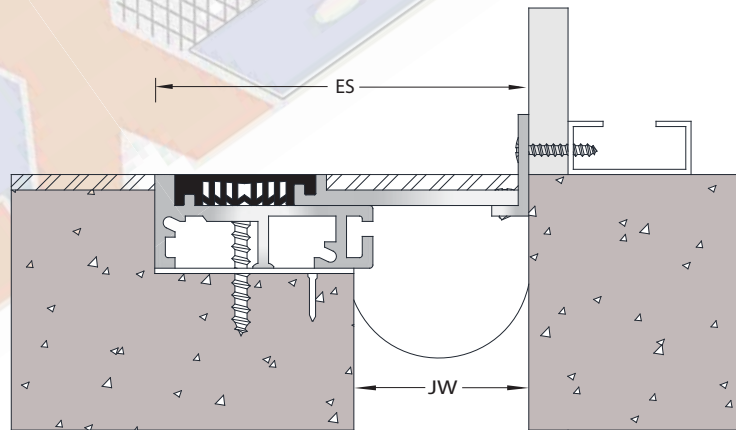
**MSDSZA-1**



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

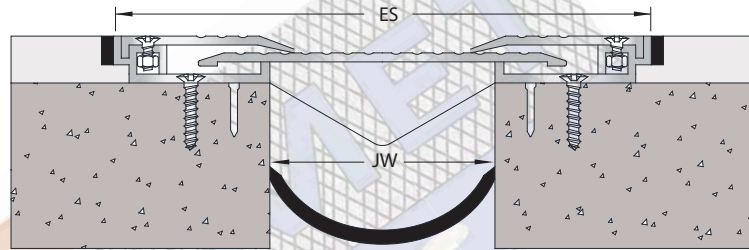
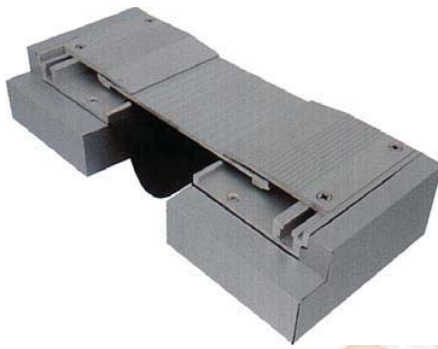
## STANDARD METAL FLOOR COVERS

Standard Metal Floor Covers uses aluminum covers for joints and slides

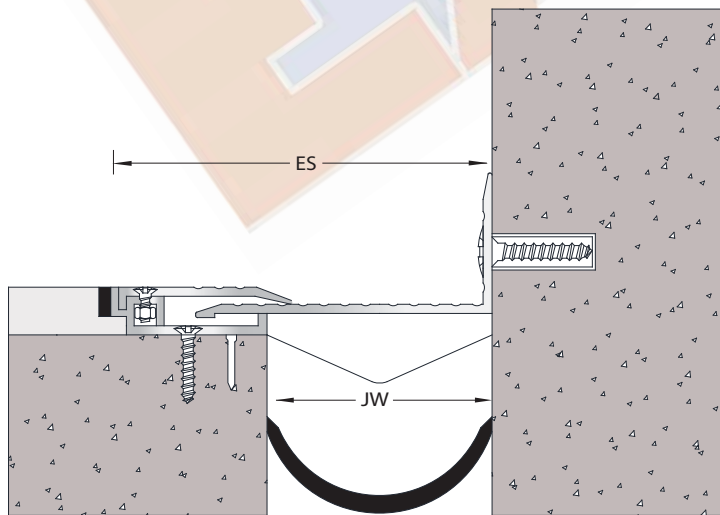
### PRODUCT FEATURES:



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



MSDKC						
Joint Width	50	75	100	125	150	200
Exposed Surface	260	285	310	335	360	410
p	126	151	176	201	226	276
Total Movement	25	37	50	62	75	100



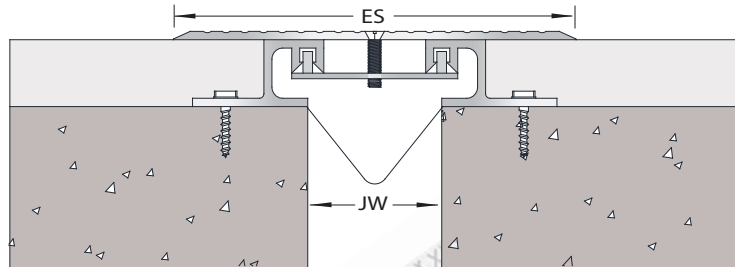
MSD-QKC						
Joint Width	50	75	100	125	150	200
Exposed Surface	155	180	205	230	255	305
p	88	113	138	163	188	238
Total Movement	13	18	25	31	37	50



## STANDARD METAL FLOOR COVERS



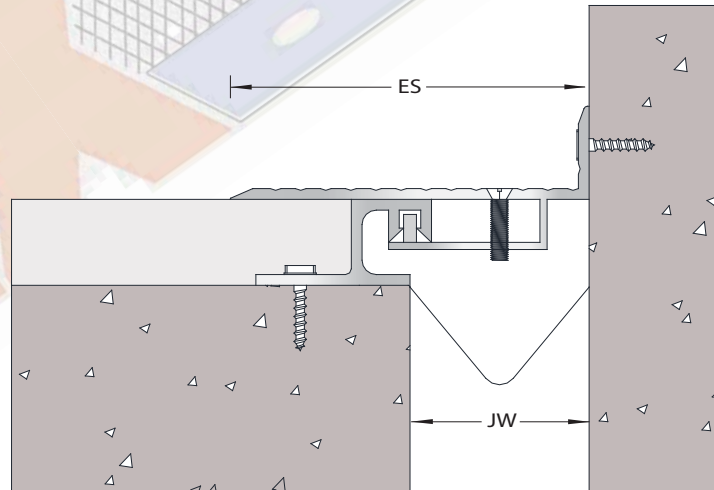
**MSDG**



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 - QGC												
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

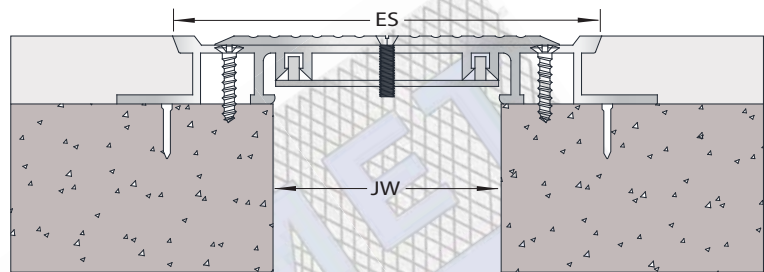
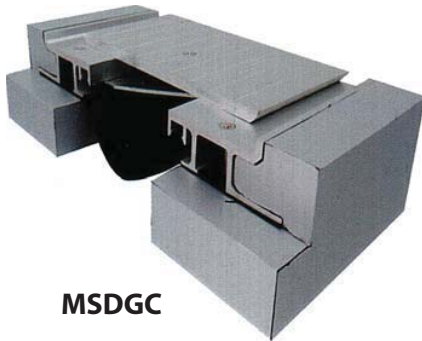
## SEISMIC METAL FLOOR COVERS

Standard Metal Floor Covers uses aluminum covers for joints and slides

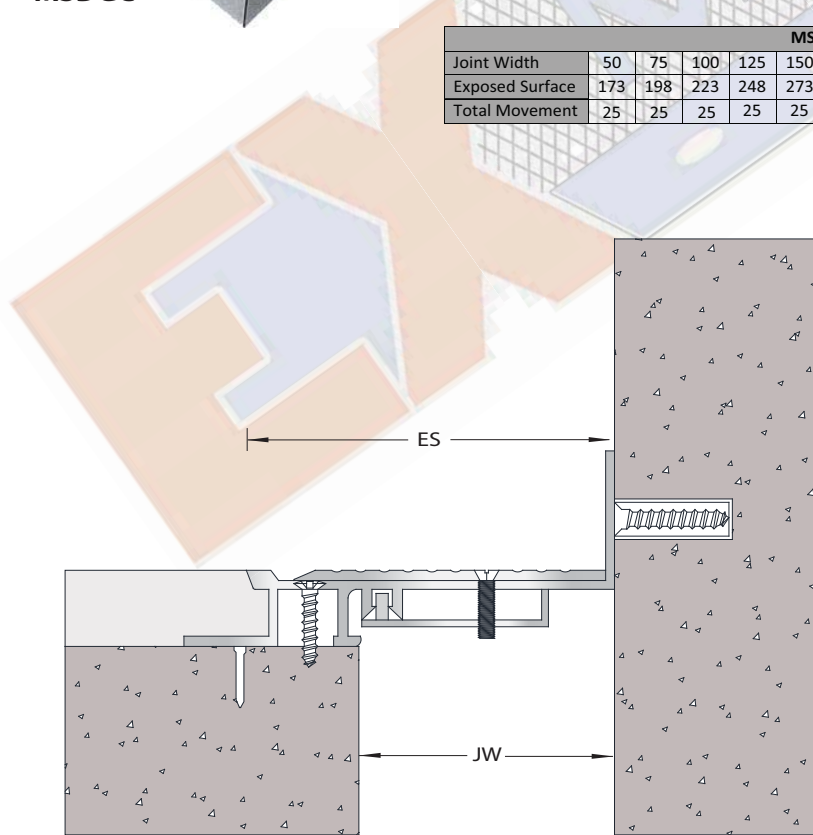
### PRODUCT FEATURES:



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



**MSDGC**

MSDGC												
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

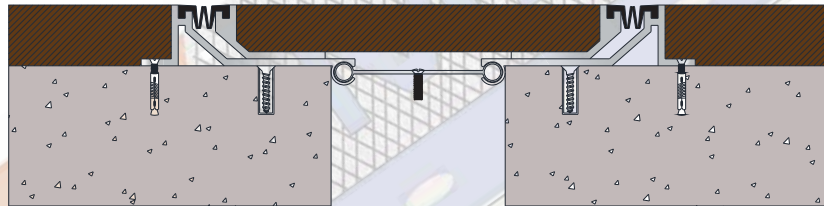
## FLUSH SEISMIC METAL FLOOR COVERS

Standard Metal Floor Covers uses aluminum covers for joints and slides

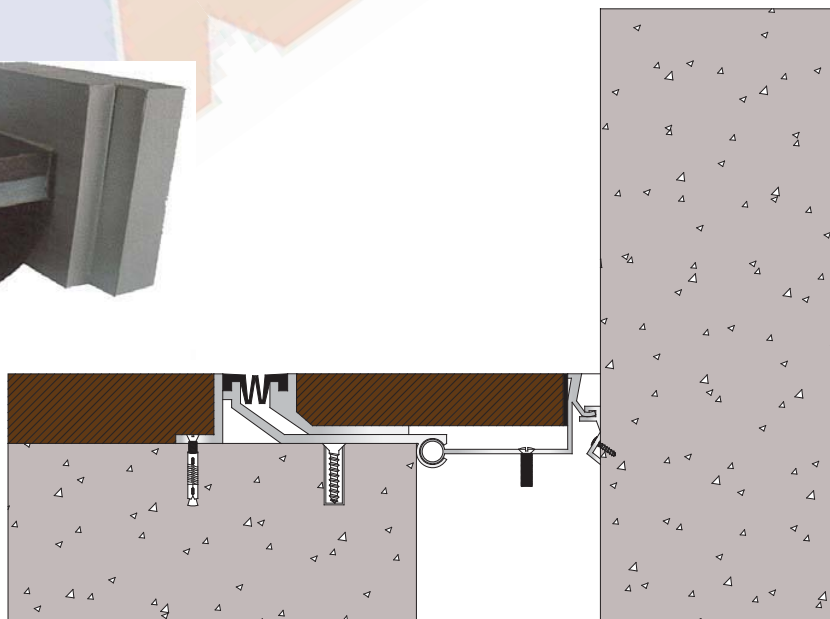
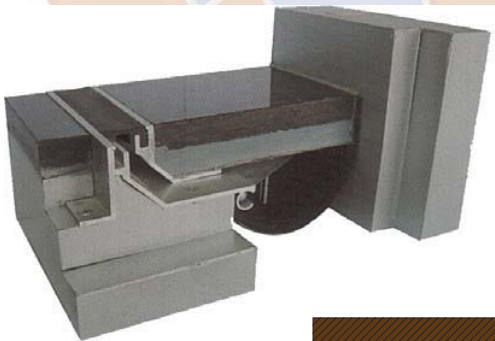
### PRODUCT FEATURES:



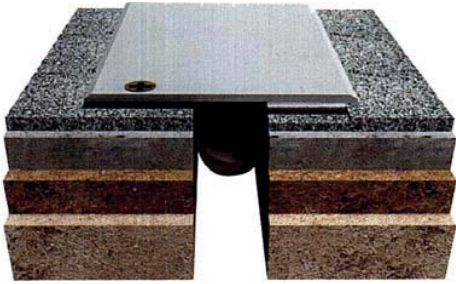
<b>Opening Size</b>	25 – 100 mm
<b>% Movement Range (+, -)</b>	25 - 50% of Joint Width
<b>Movement Type</b>	Seismic, Thermal, Shear
<b>Finishes</b>	Carpet, Vinyl, Ceramic Tile, Terrazzo, Stone
<b>Application (Designed For)</b>	Interior, Hygienic, Wheeled Equipment, No Bump, New to New Structure or New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



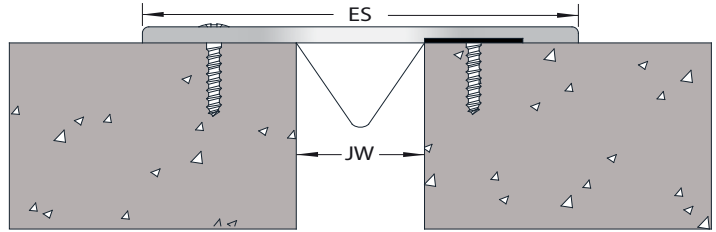
**MSDSZJ**



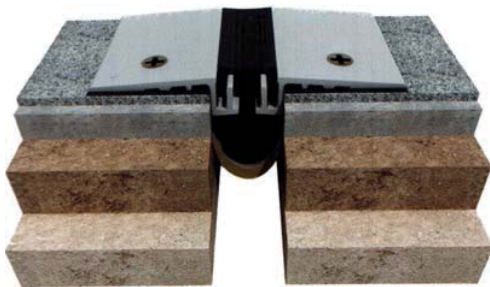
## OTHER DESIGNS:



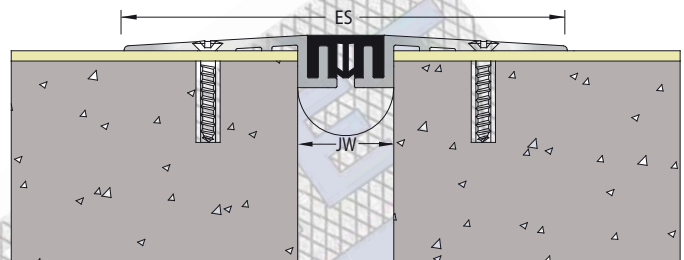
**MSDDG**



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



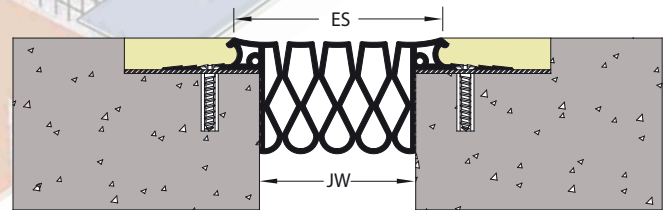
**MSQT0-1**



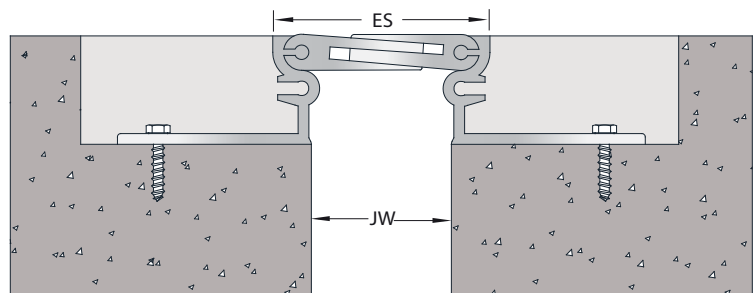
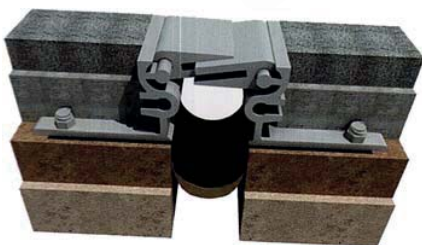
MSQT0-1			
Joint Width	50	75	100
Exposed Surface	162	187	212
Total Movement	25	37.5	50



**MSTPT-1**



MSTPT - 1				
Joint Width	25	50	75	100
Exposed Surface	25	50	75	100
Total Movement	6.25	12.5	18.7	25



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



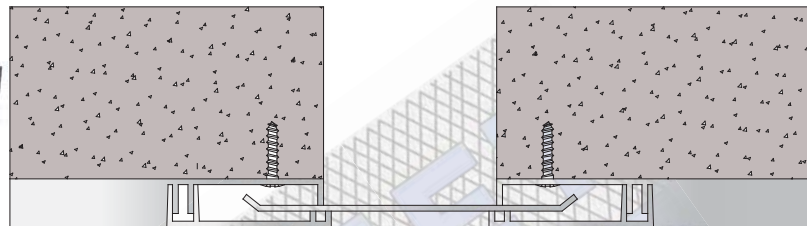
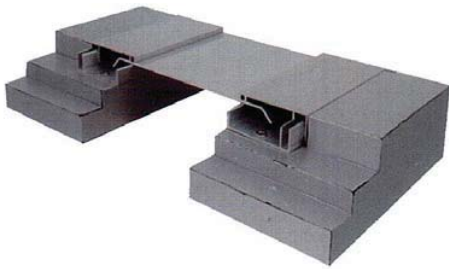
## INTERIOR WALL

Standard Metal Floor Covers uses aluminum covers for joints and slides

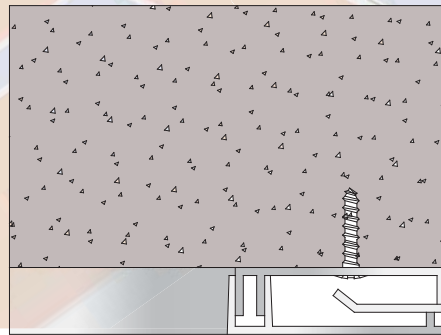
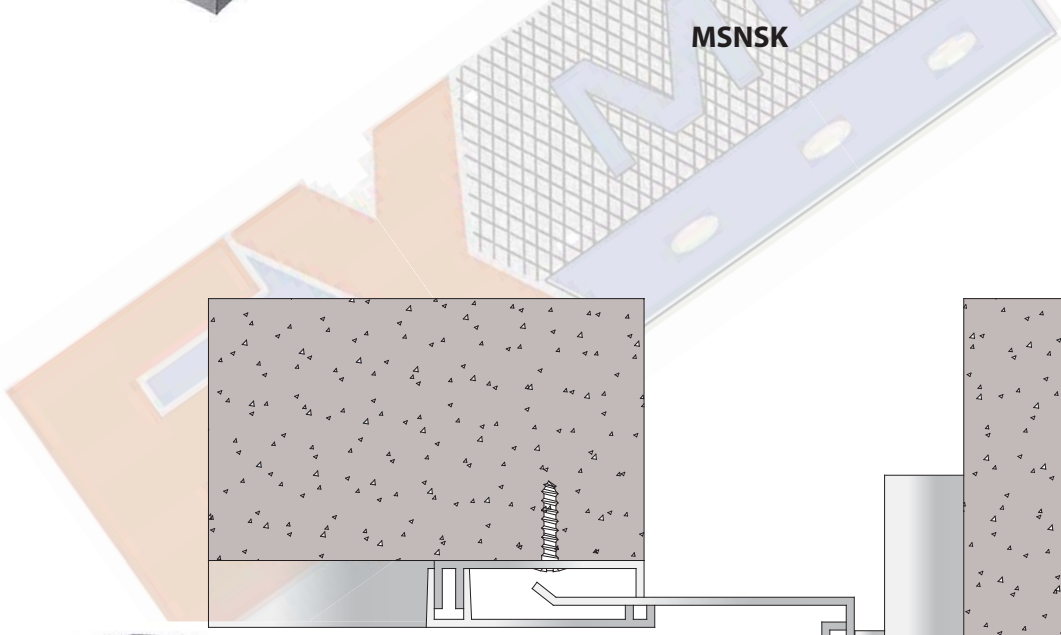
### PRODUCT FEATURES:



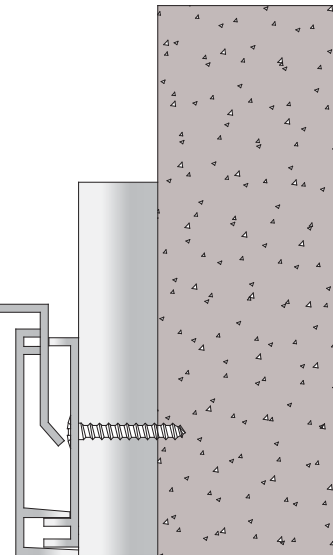
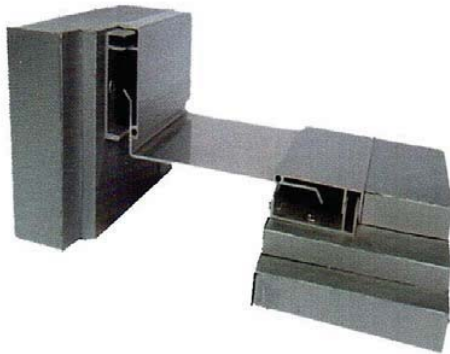
<b>Opening Size</b>	25 – 100 mm
<b>% Movement Range (+, -)</b>	25 - 50% of Joint Width
<b>Movement Type</b>	Seismic, Thermal, Shear
<b>Finishes</b>	Carpet, Vinyl, Ceramic Tile, Terrazzo, Stone
<b>Application (Designed For)</b>	Interior, Hygienic, Wheeled Equipment, No Bump, New to New Structure or New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



**MSNSK**



**MSN-QSK**





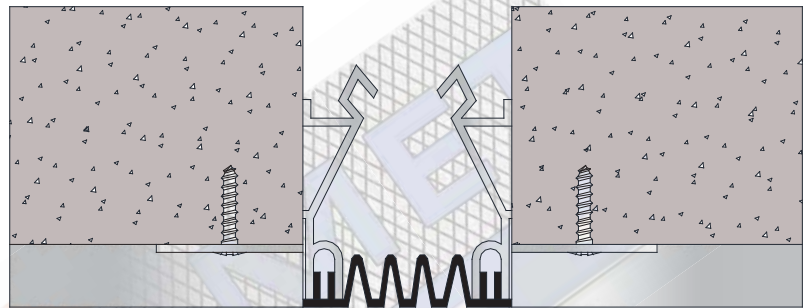
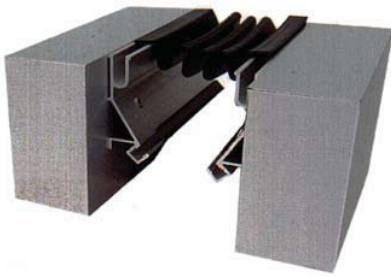
## INTERIOR WALL

Standard Metal Floor Covers uses aluminum covers for joints and slides

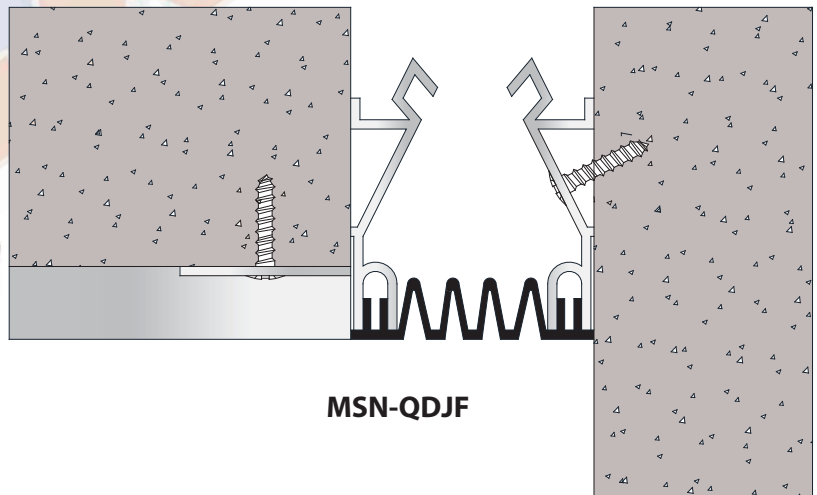
### PRODUCT FEATURES:



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



**MSNDJF**



**MSN-QDJF**

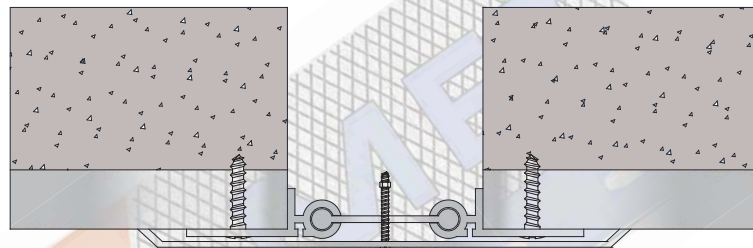
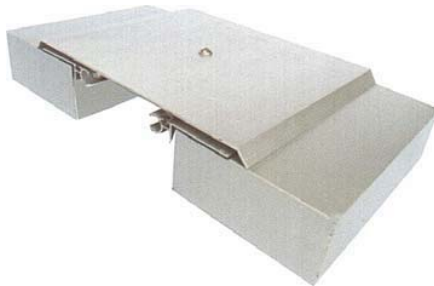
## INTERIOR WALL AND CEILING COVERS

Standard Metal Floor Covers uses aluminum covers for joints and slides

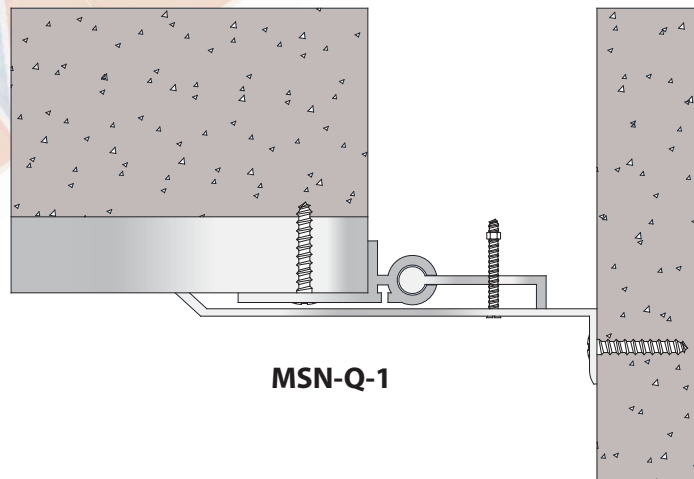
### PRODUCT FEATURES:



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

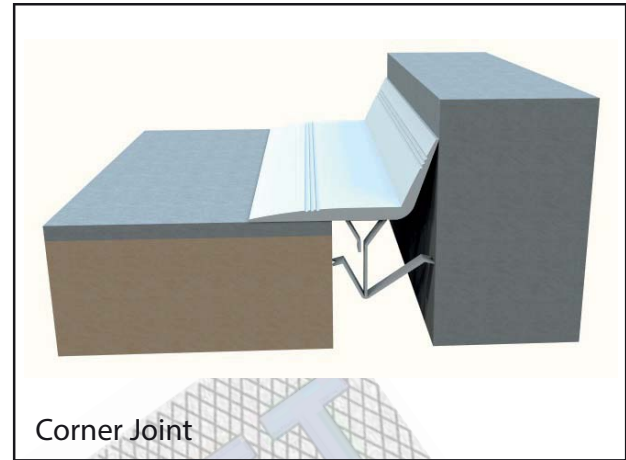
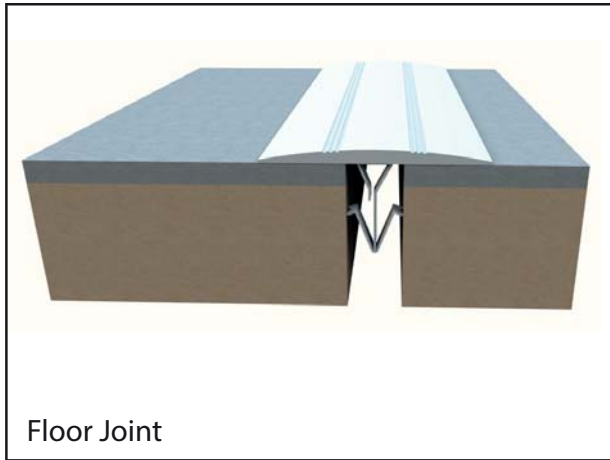


**MSNG-1**



**MSN-Q-1**

For Floor, Wall and Corner Joint Covers



MODEL	JOINT WIDTH (mm)	SIGHT LINE (mm)
<b>STRAIGHT COVER:</b>		
EJC-S50	15 - 35	50
EJC-S70	30 - 55	70
EJC-S90	50 - 75	90
<b>CORNER COVER:</b>		
EJC-C50	15 - 35	50
EJC-C70	30 - 55	70
EJC-C90	50 - 75	90

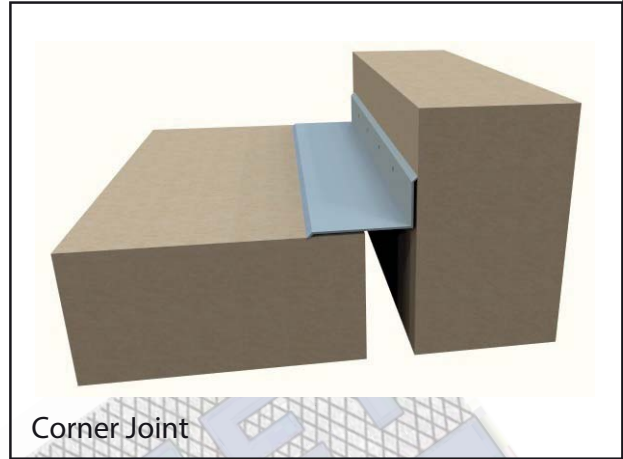
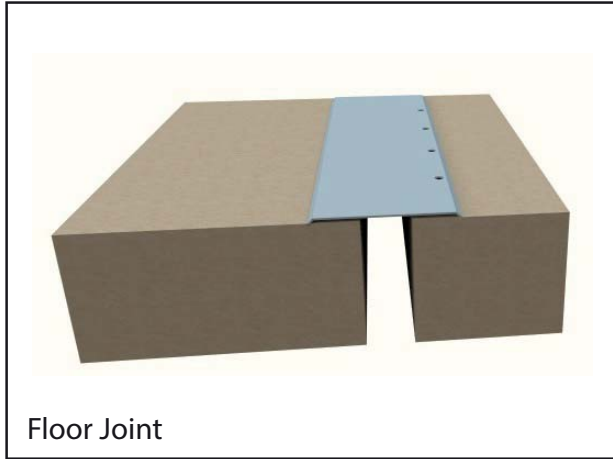
**EXMET** Cover Joints are extruded aluminum strips with a standard anodized finish. These are designed to fit on floors, walls, ceilings, beams, soffits and corners using stainless steel spring clips. Cover strips are the most economical solution for expansion joints and are especially used for refurbishment 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)
<b>STRAIGHT COVER:</b>		
EJC-S50	15 - 35	50
EJC-S70	30 - 55	70
EJC-S90	50 - 75	90
<b>CORNER COVER:</b>		
EJC-C50	15 - 35	50
EJC-C70	30 - 55	70
EJC-C90	50 - 75	90

**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.

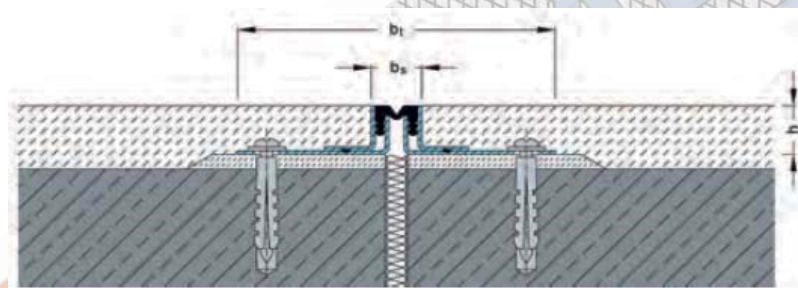
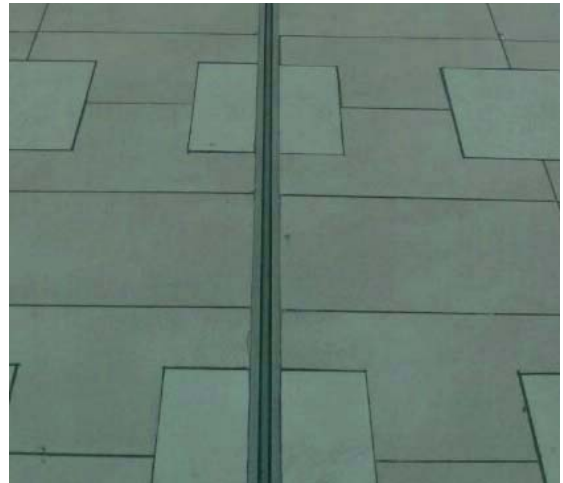
**EXMET** cover strips span a joint width of 15 to 70 mm and are affixed permanently anchoring with screws at one side.



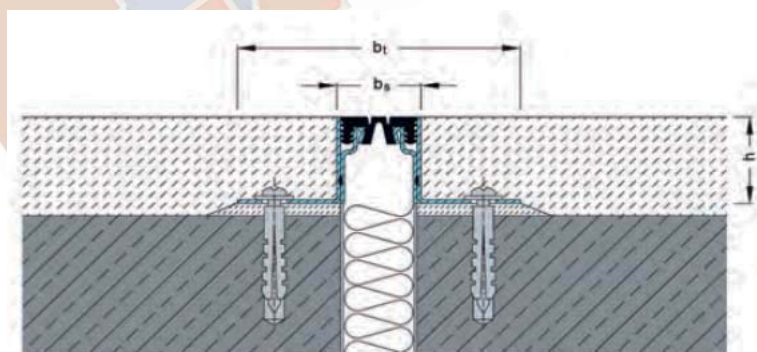
Joint Width (W)	50	75	100	125	150	200	300	350	400	450	500
Exposed Surface (ES)	206	230	280	305	330	380	480	530	600	675	750
Movement Capacity	25	37	50	62	75	100	150	175	200	225	250



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



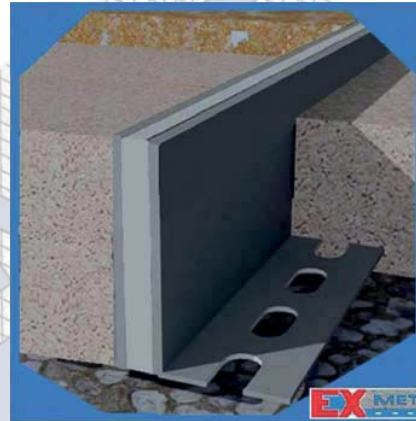
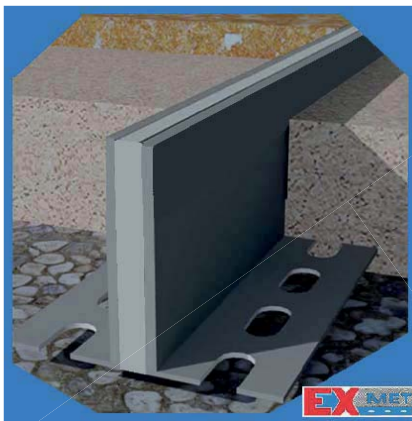
**MSES 20/20**



**MSES 33/14**

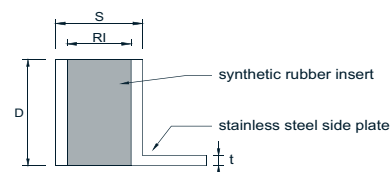
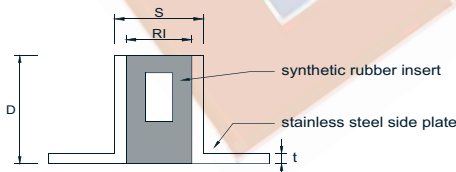
Model	Joint Width	Height	Total Width	Load Capacity	Total Movement	Side Plate
MSES 20/20	20	20	80	30 kN	+/-3	Stainless Steel
MS ES 33/14	33	15	111	30 kN	+/-3	Stainless Steel

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)
<b>TMJ1 / TMJ2 – 12</b>	12	10 / 15	20
<b>TMJ1 / TMJ2 – 16</b>	16	10 / 15	20
<b>TMJ1 / TMJ2 – 20</b>	20	10 / 15	20
<b>TMJ1 / TMJ2 – 25</b>	25	10 / 15	20
<b>TMJ1 / TMJ2 – 30</b>	30	10 / 15	25
<b>TMJ1 / TMJ2 - 50</b>	50	10 / 15	25

\* Rubber insert: 7mm and 12mm

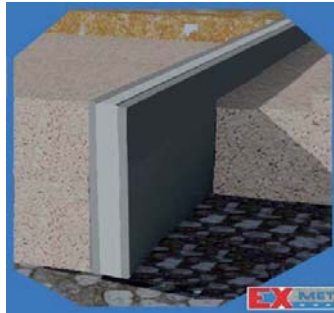
\* Available colors for rubber insert: Black, Gray and Beige

\* Other joint depths (D) are available upon request

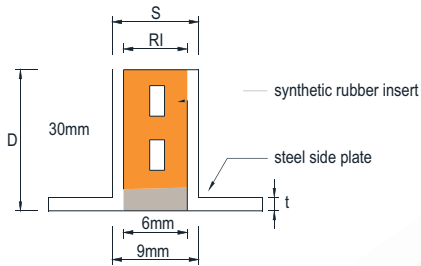
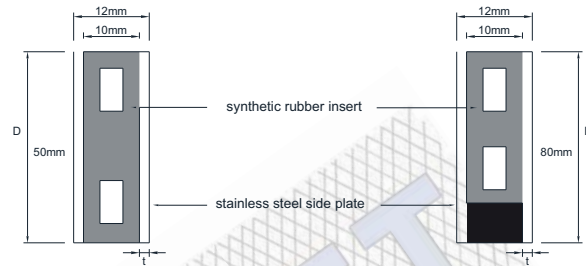
\* Plate thickness: 1.5mm (other thickness can be arranged)

\* Brass plates can also be arranged upon request

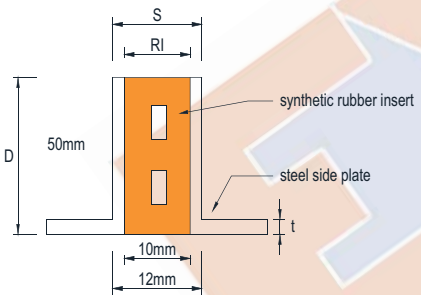
**Custom-made profiles** are made to suit special Architectural and Building requirements like bigger thickness upto 3mm, stainless steel and brass plates and rubber inserts based on RAL colors.



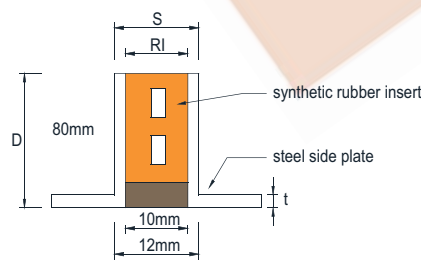
**TMJ3** - Consists of side plates on both sides and firmly bonded to a synthetic rubber insert.



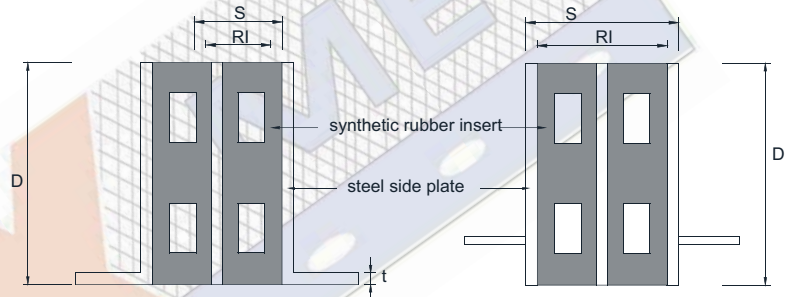
Both side flange with closed cell polyethylene tail



Both side flange with EDPM gasket

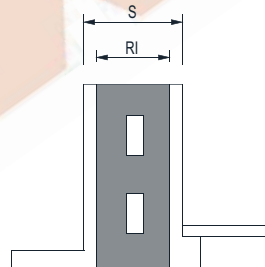


Both side flange with closed cell Polyethylene tail

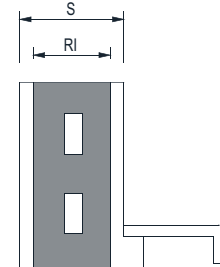


Flange with center plate and dual insert gaskets

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



One side flange and one side anchor hook



One side plate and one side anchor hook

- \* Custom profiles can be manufactured using brass, zinc, stainless steel or aluminum side plates
- \* Available colors for rubber insert: Black, Gray and Beige (RAL colors can be arranged)
- \* Plate thickness: up to 3mm (other thickness can be arranged)
- \* Other joint depths (D) are available upon request



**Stainless Steel Tile Separator** - made from Stainless Steel 304 and 316L.