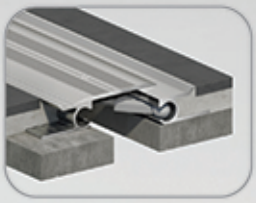
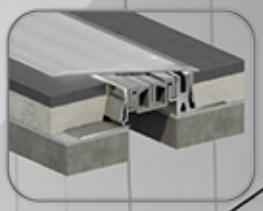
ACP hellas ltd
movement joints technology

EXPANSION JOINT COVERS

ACP HELLAS | FOR BUILDINGS





#8/2019

about
ACP HELLAS LTD

ACP HELLAS has more than 30 years of experience in designing, manufacturing and offering almost all types of expansion joint covers. We know that each project is unique and requires a unique product in return: this will ensure the integrity of the design while enhancing the architectural elements.

Our **ISO 9001:2015** company is one of the few companies worldwide with our own, in-house design team, while our close collaboration with certified independent laboratories ensures that that our final products are functional and fully compatible with internationally acknowledged standards and regulations. We are also one of the few manufacturers who can do custom expansion joint cover designs, according to your specific needs, manufacture and ship them to you worldwide and within defined time limits.

While our expansion joint covers are made in the EU, our extensive client list spans in four continents. They are designed to perform flawlessly under all conditions such as buildings of special architectural interest, heavy traffic and structures in earthquake prone areas, while maintaining functionality and durability.

So, no matter how big or small your project is, do not hesitate to contact us to discuss your needs, without any obligation.

table of CONTENTS

	PAGE
Our guidelines for effective and lasting expansion joint treatment	4
General selection guide for expansion joint covers according to:	5
- Area of use	
- Exposed material	
- Method of fixing (Non-visible / visible)	
Profile photo description	6-7
Expansion joint covers for **FLOORS**	8-39
Control joints	40-41
Expansion joint covers for **WALLS & CEILINGS**	42-57
Joint sealing	58-59
Watertight seals for **CAR-PARKS**	60-61
Expansion joint covers for **ROOFS**	62-65
Fire barrier	66
Installation examples on raised floors	67
Installation examples on suspended ceilings	68
Materials technical specifications & colour charts	69
Our presence	70-71

typical guidelines
for effective expansion joint treatment

The following guide can be used as an initial reference point for all types of joint covers, be they horizontal, vertical interior or exterior. These guidelines can be modified according to the specific needs of a project.

GENERALLY

-> The movement capability of selected expansion joint cover corresponds to building's movement requirements as determined by the designers.
-> Expansion joint covers must be perfectly aligned and leveled.
-> Expansion covers are installed during the final stage of construction and must be sufficiently protected till the completion of project.
-> The axes of the floor-wall and ceiling expansion joint covers must be aligned.
-> Before beginning any works in the joint gap, ensure the opening is clean (from debris, fillers or joint-forming materials).
-> Select expansion joint covers that can be easily disassembled, in order to enable easy inspection or repair of the joint sealing system.

JOINT SEALING

-> Mastic sealants are suitable for waterproofing joint gaps up to 30mm wide (following sealant manufacturers performance data) hence avoid using this type of materials. If eventually mastic sealant is used, then this is applied at a thickness equal to 2/3rds of the joint width.
-> The chemical composition of the mastic sealant must not release toxic gases in case of fire.
-> Avoid using bitumen-based sealing layers or membranes because they maintain and propagate fire. They also leave a big gap which can become a focus of infection and enables water stagnation or even gathering of rodents.
-> Special anti-microbial sealing profiles with cell cross-sections, backing rods or PVC sealing tapes should be preferred as they are generally made of self-extinguishing raw materials.

FLOORS

-> Selection of the most suitable expansion joint cover depends on the use of the area and the specified movement capability.
-> Expansion joint covers with gaskets with anti-microbial composition, invisible fold design and smooth surfaces are recommended for areas with special hygiene requirements (hospitals, manufacturing plants of pharmaceuticals etc.).
-> For areas with heavy vehicular or equipment traffic (logistics warehouses, industrial areas etc.) heavy duty profiles are necessary. The selection of the proper type depends on the total weight of the passing vehicles and the type/dimensional of tyres.
-> Expansion joint covers made of aluminium or stainless steel are recommended for areas with heavy pedestrian traffic (shopping malls, airport terminals, etc.).

WALLS - CEILINGS

-> Expansion joint covers must have the same exposed surface with the selected joint covers for floors.
-> It is recommended to use expansion joint covers with exposed aluminium cover in order to protect the joint sealing system.
-> In internal joints install flexible sound insulation material, which will not affect the function of the expansion joint cover.
-> External joints should be sound- and noise-proofed.
-> External joints up to 1,50m high must have fire-barrier material; this must be continuous from the horizontal joint.
-> For external joints when using expansion joint covers with exposed elastic inserts take into consideration the exposure to weathering. A metallic expansion joint cover is recommended to be used on the first 2m to avoid destruction due to vandalism.

ROOFS

-> The end user's requirements on both appearance and functionality (accessible or inaccessible) will dictate the correct selection of the visible material of the joint profile.
-> Ensure that the flexible joint covers are shaded in order to be protected from weathering and sunlight.
-> Elastic parts or gaskets of the joint cover must be protected against mechanical wear.
-> Joint sealants must be easily inspected - repaired.
-> Ensure that mechanical fixing accessories of the expansion joint cover parts (plugs, screws, etc.) will not damage other sealing materials (membranes, waterproofing sheets, etc.).
-> Sealing inserts must continue to the parapet for at least 20cm.

FIRE INSULATION

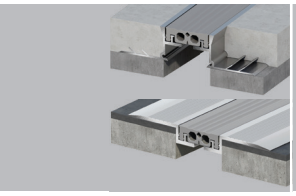
-> Joints that coincide with fire compartments must be filled with fire-insulating material which will meet the requirements of the fire-safety specifications.
-> Fire insulating material installed in floor joints must be protected from water since the latter usually damages the properties of the material.
-> Fire insulating material is installed at the lowest level of the joint opening (i.e. behind the ceiling joint cover).
-> Avoid sealing the joint with asphalt-based materials because they maintain or propagate the fire.
-> In case of sealing the joint with mastic sealant, this must be self-extinguishing and not release toxic gases in case of fire.

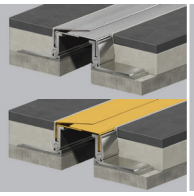
selection GUIDE

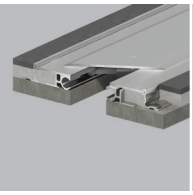
	Non-visible Fixing (Non-completed surfaces)	Visible Fixing (Completed surfaces)
FLOOR COVERS	*-> Below given numbers refer to page numbers <-*	
Aluminium	11, 12, 14, 19, 21, 22, 23, 24, 39	10, 11, 12, 13, 14, 19, 21, 26, 36
Aluminium with visible elastic insert	8, 34, 35, 37, 38	8, 21, 34, 37
Large movement	18, 19, 20, 21, 22, 23, 24, 25, 34, 35, 36, 37, 38, 39	13, 14, 15, 18, 19, 20, 21, 26, 30, 31, 34, 37
Luxury areas - stainless steel	10, 16, 18, 20, 25, 27	15, 17, 18, 20, 26
Luxury areas - brass	9, 16, 18, 25, 27	9, 15, 17, 26
Luxury areas - high load capacity - watertight	27, 28	30, 31
External areas - watertight	27, 28, 29	30, 31
Industrial areas - high load capacity	27, 28, 29, 32, 33	30, 31, 33
Uneven joint sides	11, 12	13
Car parks (for passenger cars)	8, 11, 27, 28, 29, 32, 33, 60	8, 10, 11, 14, 15, 26, 30, 31, 33, 61
Construction joints	32, 40, 41	40, 41
Bridging of large joints	34, 35, 36, 37, 38, 39	34, 37
Raised floor applications	19, 20, 21, 27	8, 11, 12, 19, 20 (example applications on page 67)
WALL & CEILING COVERS		
Aluminium	45, 52, 54, 56	43, 47, 50, 51
Aluminium with visible elastic insert	42, 45, 46, 53, 56	42, 43, 44
Elastic insert (UV-PVC or Santoprene)	-	58, 59
Large Movement	45, 46, 52, 53, 54, 56	43, 44, 47, 50, 51, 52
Installation before plastering or gypsum boards	42, 45, 46, 52, 53, 54, 56	-
External walls - facades	45, 46, 52, 54, 56	43, 44, 47, 50, 51, 58, 59
Luxury areas - profiles with stainless steel	49	48, 50, 51, 57
Luxury areas - profiles with brass	49	48, 50, 51
Exterior insulation finishing system	-	57, 58, 59
Suspended ceilings	42, 43, 45, 46, 54	42, 43, 44, 47, 48 (example applications on page 68)
JOINT SEALING	58, 59, 60, 61	
ROOF COVERS		
Non-trafficable joints	62, 64, 65	
Traficable joints	63, 64	
FIRE BARRIER		66

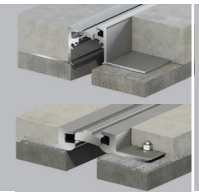
Should any of the above do not meet your project's requirements, do not hesitate to contact us at technical@acp-hellas.com, so that we can discuss additional options.

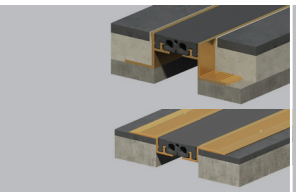
types
& pages

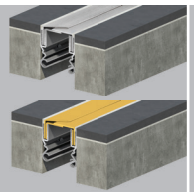

3F-AM
3FAS-AM
page 8

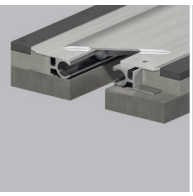

5F-IN
5F-BR
page 16

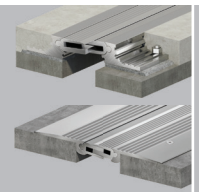

3F.ELM-AL
page 24

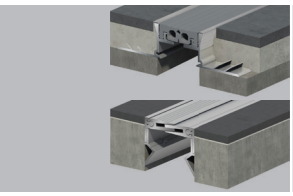

F-HD 20
F-HD
FAS-HD
page 32

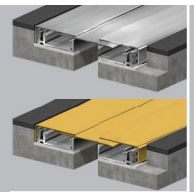

F-SB
FAS-SB
page 9

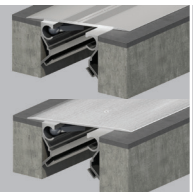

5FAS-IN
5FAS-BR
page 17

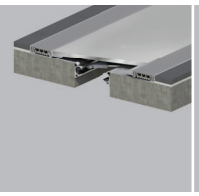

F.ELM-IN
page 25

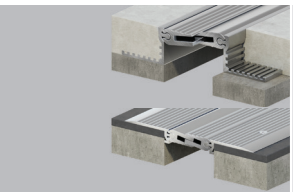

2F-HD
2FAS-HD
page 33

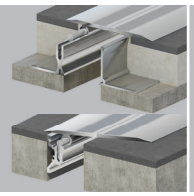

3F-IN
2FAS-AL
page 10

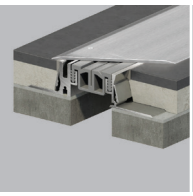

FSP-IN
FSP-BR
page 18

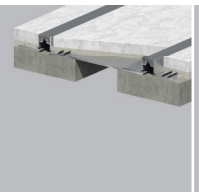

FAS.ELM-AL
FAS.ELM-IN
page 26

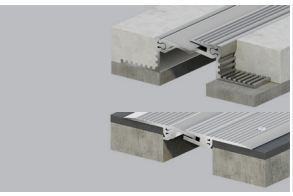

F.CGP
page 34

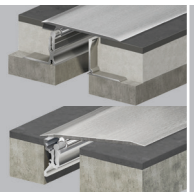

F
FAS
page 11

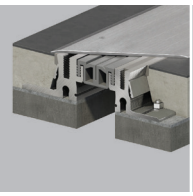

F.IF-AL
FAS.IF-AL
page 19

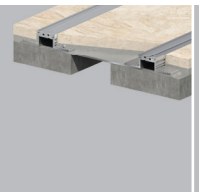

3FSP-IN WT
page 27

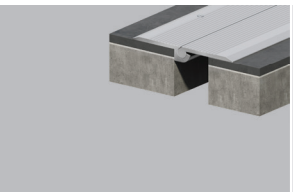

F.BRG
page 35

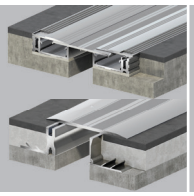

4F
4FAS
page 12

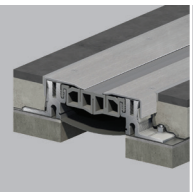

F.IF-IN
FAS.IF-IN
page 20

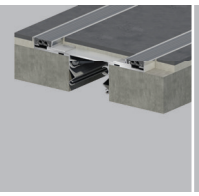

3FSP-IN EHD
page 28

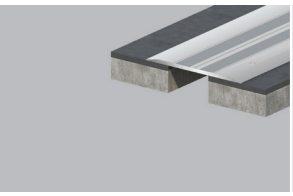

F.BRG-AL
page 36

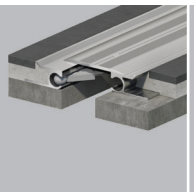

FSW
page 13

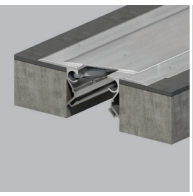

FSP
2FSP-AL
page 21

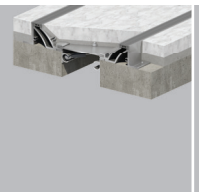

F.EHD-WT
page 29

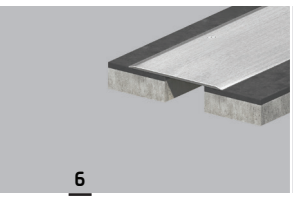

F.BRG-S
page 37

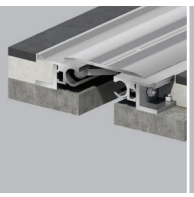

F.AL-PL
page 14

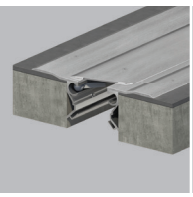

F.ELM-AL
page 22


FAS.HD-IN
page 30

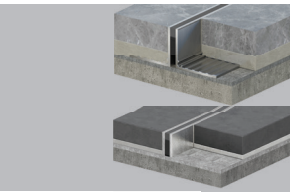

2F.BRG-AL
page 38

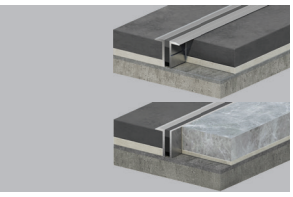

F.SS-PL
2F.SS-PL
3F.SS-PL
page 15

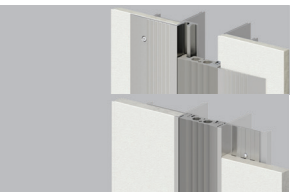

2F.ELM-AL
page 23


2FAS.HD-IN
page 31

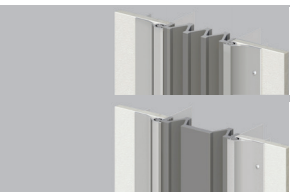
F.SHD
page 39

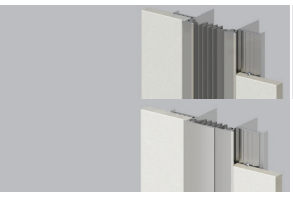

FCT-AL
2FCT-AL
2FCT-IN
2FCT-BR
page 40

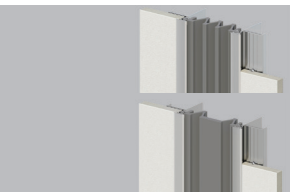

3FCT-AL
4FCT-AL
page 41

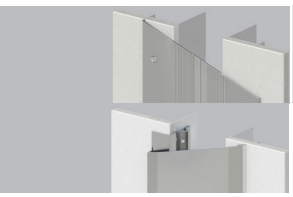

2W.AP
2W.BP
page 42

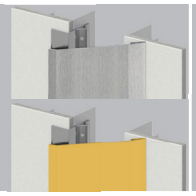
W.AP
W+P.AP
page 43

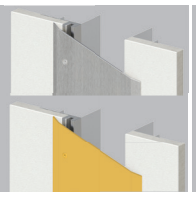

W.AP-LM
3W.AP-LM
page 44

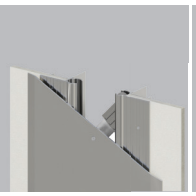

W.BP
W+P.BP
page 45

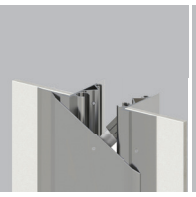

W.BP-LM
3W.BP-LM
page 46

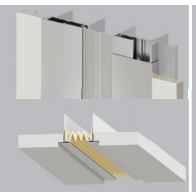

4W.AP-AL
2W.IF-AL
page 47

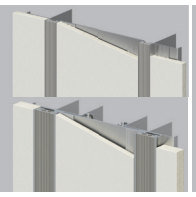

2W.IF-IN
2W.IF-BR
page 48

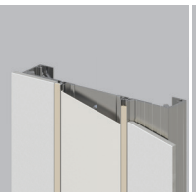

W.AP-IN
W.AP-BR
page 49

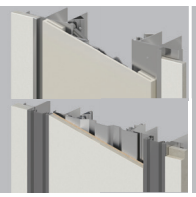

W.ELM-AL
W.ELM-IN
W.ELM-BR
page 50

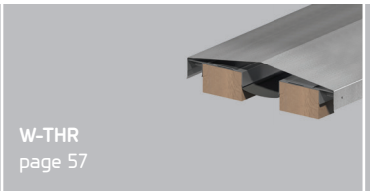

2W.ELM-AL
2W.ELM-IN
2W.ELM-BR
page 51

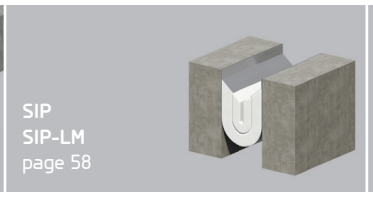

W-LM
W-SC
page 52


W.BRG
W.BRG-S
page 53


2W.BRG-AL
3W.BRG-AL
4W.BRG-AL
page 54-55


2W.CST
2W.SHD
page 56


W-THR
page 57


SIP
SIP-LM
page 58

2SIP-LM
3SIP-LM
page 59

F.PRK
2F.PRK
page 60

3F.PRK
page 61

R-WTS
R-WTS a
page 62

2R-WTS
3R-WTS
page 63

4R-WTS
5R-WTS
page 64

6R-WTS
page 65

FwB
page 66

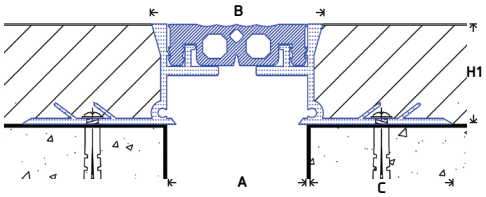
Type 3F-AM

Use: Expansion joint covers for installation on non-completed floors.

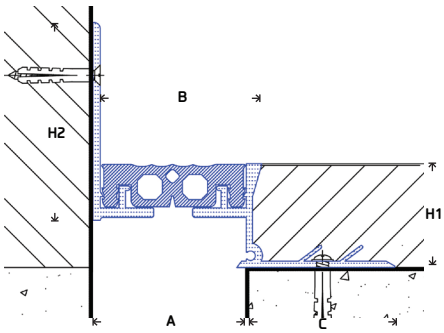
Material: - Side-frames made of mill finish or clear-anodized aluminium alloy 60.63-T5.
- Replaceable inserts made of UV-PVC or Santoprene TPV in black, grey or beige (other colors available upon request). PVC insert also available with anti-microbial composition upon request.

Load capacity: Pedestrian traffic. For joint widths up to 100mm assemblies are suitable for areas with slow-passing passenger cars traffic.

-> Separate compatible water- & fire-barriers available <-



3F-AM



3F-AM/C

TYPE	"A"	"B"	"C"	"H1"	"H2"	Total Movement*
3F-AM 20	20	20	44	12 , 17, 31	-	12
3F-AM 30	30	35	50	12, 31	-	20
3F-AM 50	50	56	50	18 , 33	-	30
3F-AM 60	60	69	62	35	-	30
3F-AM 75	75	84	62	35	-	36
3F-AM 100	100	115	65	33	-	34
3F-AM 125	125	140	61	33	-	64
3F-AM 150	150	165	61	33	-	90
3F-AM/C 20	20	18	44	12 ,31	40	12
3F-AM/C 30	30	28	50	12 , 31	63	20
3F-AM/C 50	50	51	50	18 , 33	63	30
3F-AM/C 60	60	61	62	35	68	30
3F-AM/C 75	75	76	62	35	68	36
3F-AM/C 100	100	104	65	33	83	34
3F-AM/C 125	125	129	61	33	83	64
3F-AM/C 150	150	157	61	33	83	90

Dimensions in mm

* Movements do not take into consideration PVC or Santoprene elongation at break (ISO R527)

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGE 42

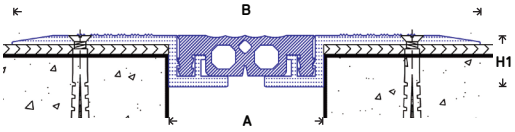
Type 3FAS-AM

Use: Expansion joint covers for completed floors.

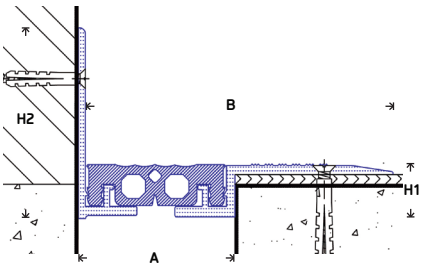
Material: -Side-frames made of mill finish or clear-anodized aluminium alloy 60.63-T5 with non-skid striated surface and chamfered edges.
- Replaceable inserts made of UV-PVC or Santoprene TPV in black, grey or beige (other colors available upon request). PVC insert also available with anti-microbial composition upon request.

Load capacity: Pedestrian traffic. For joint widths up to 100mm assemblies are suitable for areas with slow-passing passenger cars traffic.

-> Separate compatible water- & fire-barriers available <-



3FAS-AM



3FAS-AM/C

TYPE	"A"	"B"	"H1"	"H2"	Total Movement*
3FAS-AM 20	20	91	14	-	12
3FAS-AM 30	30	112	16	-	20
3FAS-AM 50	50	156	17	-	30
3FAS-AM 60	60	170	30	-	30
3FAS-AM 75	75	185	30	-	36
3FAS-AM 100	100	226	33	-	34
3FAS-AM 125	125	265	33	-	64
3FAS-AM 150	150	290	33	-	90
3FAS-AM/C 20	20	54	14	40	12
3FAS-AM/C 30	30	69	16	63	20
3FAS-AM/C 50	50	101	17	63	30
3FAS-AM/C 60	60	112	30	68	30
3FAS-AM/C 75	75	123	30	68	36
3FAS-AM/C 100	100	161	33	83	34
3FAS-AM/C 125	125	191	33	83	64
3FAS-AM/C 150	150	216	33	83	90

Dimensions in mm

* Movements do not take into consideration PVC or Santoprene elongation at break (ISO R527)

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGE 42

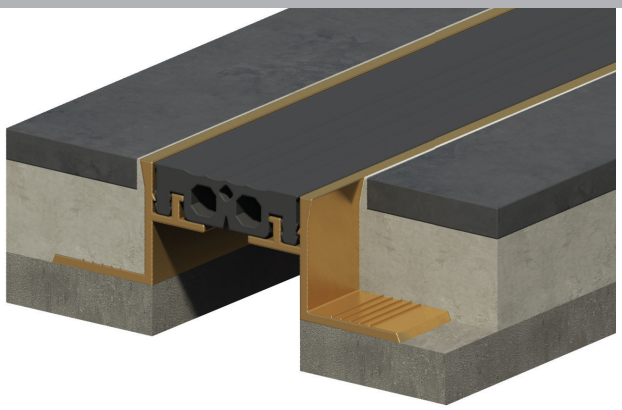
Type F-SB

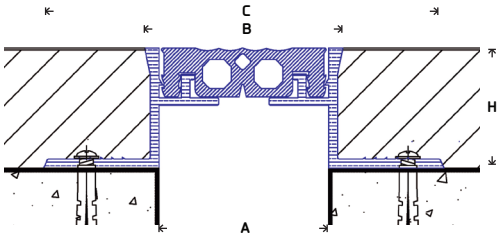
Use: Expansion joint covers for installation on non-completed floors.

Material: - Side-frames made of solid brass alloy OT63 in neutral colour.
- Replaceable inserts made of UV-PVC or Santoprene TPV in black, grey or beige (other colors available upon request). PVC insert also available with anti-microbial composition upon request.

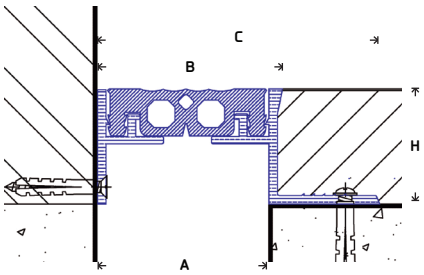
Load capacity: Pedestrian traffic.

-> Separate compatible water- & fire-barriers available <-





F-SB



F-SB/C

TYPE	"A"	"B"	"C"	"H"	Total Movement*
F-SB 30	30	35	90	31	15
F-SB 50	50	58	114	33	24
F-SB/C 30	30	33	63	31	15
F-SB/C 50	50	54	82	33	24

Dimensions in mm

* Movements do not take into consideration PVC or Santoprene elongation at break (ISO R527)

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGE 42

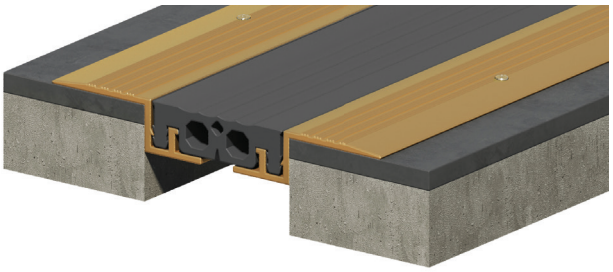
Type FAS-SB

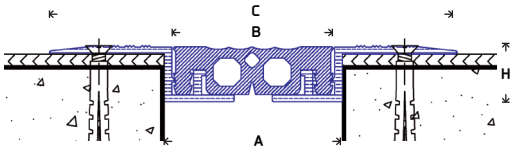
Use: Expansion joint covers for installation on completed floors.

Material: - Side-frames made of solid brass alloy OT63 in neutral colour.
- Replaceable inserts made of UV-PVC or Santoprene TPV in black, grey or beige (other colors available upon request). PVC insert also available with anti-microbial composition upon request.

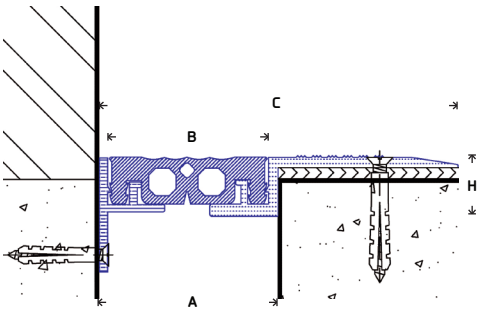
Load capacity: Pedestrian traffic.

-> Separate compatible water- & fire-barriers available <-





FAS-SB



FAS-SB/C

TYPE	"A"	"B"	"C"	"H"	Total Movement*
FAS-SB 30	30	25	91	16	15
FAS-SB 50	50	45	115	16	24
FAS-SB/C 30	30	28	61	16	15
FAS-SB/C 50	50	48	83	16	24

Dimensions in mm

* Movements do not take into consideration PVC or Santoprene elongation at break (ISO R527)

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGE 42

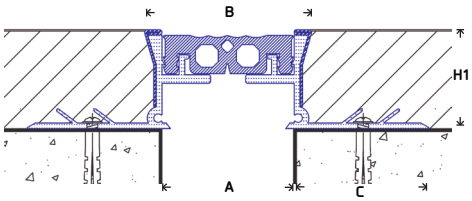
Type 3F-IN - Commercial and residential applications

Use: Expansion joint covers for installation on non-completed floors.

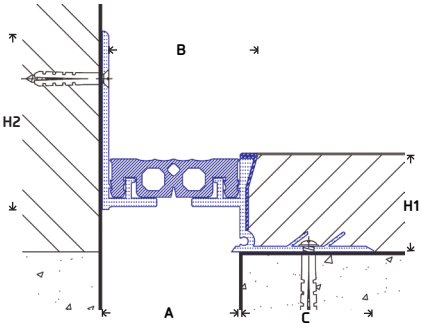
Material: - Non-visible side frames made of mill finish aluminium alloy 60.63-T5 covered with AISI 304 stainless steel profiles.
- Silver-anodised visible aluminium frames on floor to wall applications.
- Replaceable inserts made of UV-PVC or Santoprene TPV in black, grey or beige (other colors available upon request). PVC insert also available with anti-microbial composition upon request.

Load capacity: Pedestrian traffic. For joint widths up to 100mm assemblies are suitable for areas with slow-passing passenger cars traffic.

-> Separate compatible water- & fire-barriers available <-



3F-IN



3F-IN/C

TYPE	"A"	"B"	"C"	"H1"	"H2"	Total Movement*
3F-IN 20	20	20	44	12 , 17, 31	-	12
3F-IN 30	30	35	50	12, 31	-	20
3F-IN 50	50	56	50	18 , 33	-	30
3F-IN 60	60	69	62	35	-	30
3F-IN 75	75	84	62	35	-	36
3F-IN 100	100	115	65	33	-	34
3F-IN 125	125	140	61	33	-	64
3F-IN 150	150	165	61	33	-	90
3F-IN/C 20	20	18	44	12 ,31	40	12
3F-IN/C 30	30	28	50	12 , 31	63	20
3F-IN/C 50	50	51	50	18 , 33	63	30
3F-IN/C 60	60	61	62	35	68	30
3F-IN/C 75	75	76	62	35	68	36
3F-IN/C 100	100	104	65	33	83	34
3F-IN/C 125	125	129	61	33	83	64
3F-IN/C 150	150	157	61	33	83	90

Dimensions in mm

* Movements do not take into consideration PVC or Santoprene elongation at break (ISO R527)

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGE 42

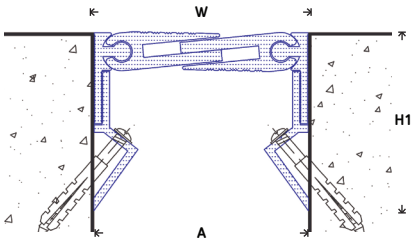
Type 2FAS-AL - Commercial and trafficable applications

Use: Expansion joint covers for completed floors. Design with visible surface equal to joint gap width and non-visible fixing screws.

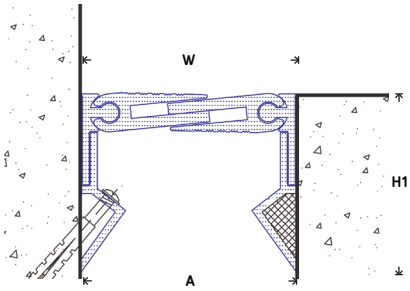
Material: Mill finish or clear-anodized aluminium alloy 60.63-T5 with non-skid striated surface.

Load capacity: Pedestrian & slow passing vehicular traffic.

-> Separate compatible water- & fire-barriers available <-



2FAS-AL



2FAS-AL/C

TYPE	"A"	"W"	"H1"	Total Movement
2FAS-AL 35	35	35	66	13
2FAS-AL 50	50	50	66	16
2FAS-AL 100	100	100	66	40
2FAS-AL 150	150	150	66	80
2FAS-AL/C 40	40	40	66	13
2FAS-AL/C 50	50	50	66	16
2FAS-AL/C 100	100	100	66	40
2FAS-AL/C 150	150	150	66	80

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGE 45

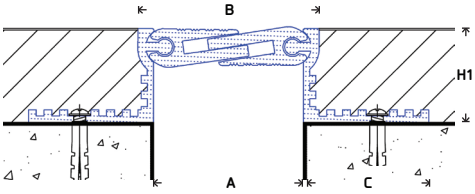
Type F

Use: Expansion joint covers for non-completed floors.
Material: Mill finish or clear-anodized aluminium alloy 60.63-T5 with non-skid striated surface.
Load capacity: Pedestrian and vehicular traffic.

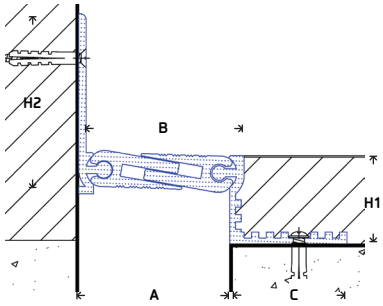
-> Separate compatible water- & fire-barriers available <-

LOAD CAPACITY TEST RESULTS FOR UNIFORM LOAD	
	F 35 -> 45kN
	F 50 -> 55kN
	F 100 -> 63kN
	F 150 -> 21kN

(Detailed third-party test report available)



F



F/C

TYPE	"A"	"B"	"C"	"H1"	"H2"	Total Movement
F 35	35	45	40	16 , 30	-	13
F 50	50	60	40	16 , 30	-	16
F 100	100	114	55	17 , 30	-	40
F 150	150	164	55	17 , 30	-	80
F/C 40	40	42	40	16 , 30	47	13
F/C 50	50	52	40	16 , 30	47	16
F/C 100	100	104	55	17 , 30	44	40
F/C 150	150	154	55	17 , 30	44	80

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGE 45

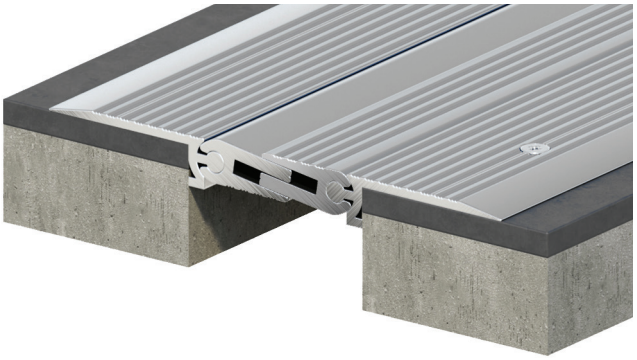
Type FAS

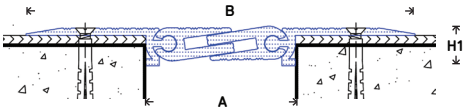
Use: Expansion joint on completed floors.

Material: Mill finish or clear-anodized aluminium alloy 60.63-T5 with non-skid striated surface and chamfered edges.

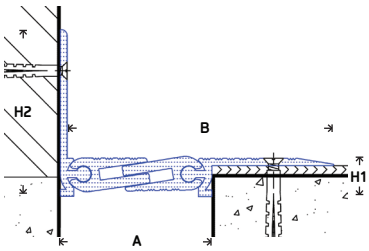
Load capacity: Pedestrian traffic.

-> Separate compatible water- & fire-barriers available <-





FAS



FAS/C

TYPE	"A"	"B"	"H1"	"H2"	Total Movement
FAS 45	45	135	14	-	13
FAS 60	60	150	14	-	16
FAS 100	100	212	16	-	40
FAS 150	150	262	16	-	80
FAS/C 45	45	88	14	47	13
FAS/C 60	60	100	14	47	16
FAS/C 100	100	151	16	44	40
FAS/C 150	150	203	16	44	80

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 43,47

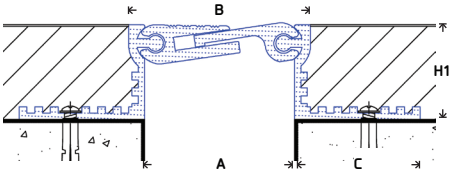
Type 4F

Use: Expansion joint covers for non-completed floors.

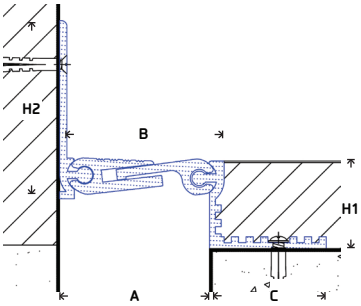
Material: Mill finish or clear-anodized aluminium alloy 60.63-T5 with non-skid striated surface.

Load capacity: Pedestrian traffic.

-> Separate compatible water- & fire-barriers available <-



4F



4F/C

TYPE	"A"	"B"	"C"	"H1"	"H2"	Total Movement
4F 35	35	45	40	16 , 30	-	13
4F 50	50	60	40	16 , 30	-	16
4F 100	100	114	55	17 , 30	-	40
4F 150	150	164	55	17 , 30	-	80
4F/C 40	40	42	40	16 , 30	47	13
4F/C 50	50	52	40	16 , 30	47	16
4F/C 100	100	104	55	17 , 30	44	40
4F/C 150	150	154	55	17 , 30	44	80

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGE 45

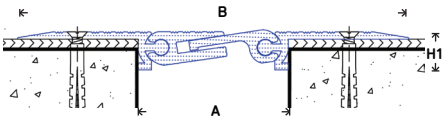
Type 4FAS

Use: Expansion joint on completed floors.

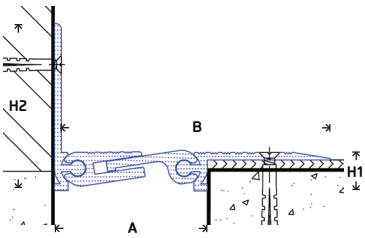
Material: Mill finish or clear-anodized aluminium alloy 60.63-T5 with non-skid striated surface and chamfered edges.

Load capacity: Pedestrian traffic.

-> Separate compatible water- & fire-barriers available <-



4FAS



4FAS/C

TYPE	"A"	"B"	"H1"	"H2"	Total Movement
4FAS 45	45	135	14	-	13
4FAS 60	60	150	14	-	16
4FAS 100	100	212	16	-	40
4FAS 150	150	262	16	-	80
4FAS/C 45	45	88	14	47	13
4FAS/C 60	60	100	14	47	16
4FAS/C 100	100	151	16	44	40
4FAS/C 150	150	203	16	44	80

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 43,47

FLOOR JOINT COVERS ☐ Type F.SW

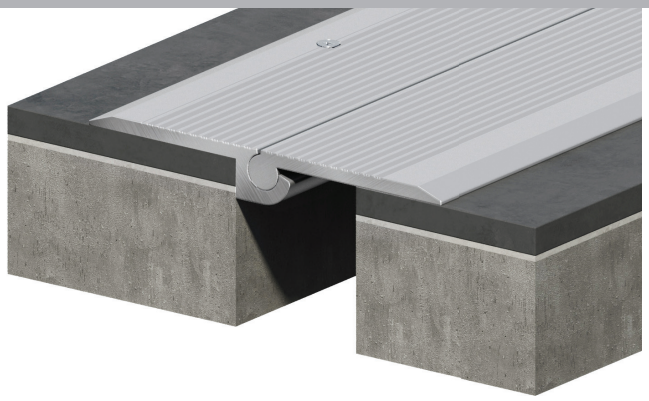
Commercial and Trafficable Applications

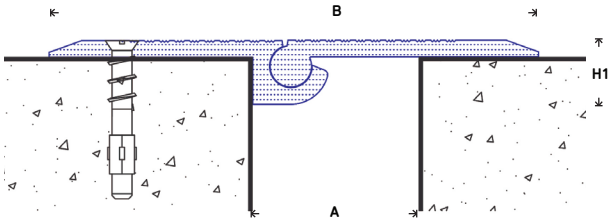
Use: Exterior & interior expansion joints on completed floors. Profile design with interlocking parts enables installation on joint gaps with uneven sides or temporary vertical displacement.

Material: Mill finish or clear-anodized aluminium alloy 60.63-T5 with non-skid striated surface and chamfered edges.

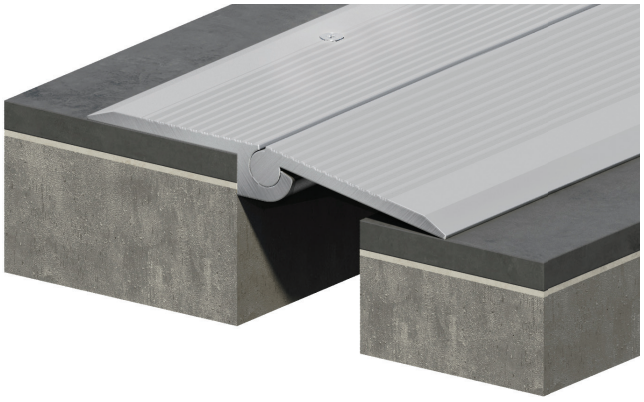
Load capacity: Pedestrian & vehicular traffic.

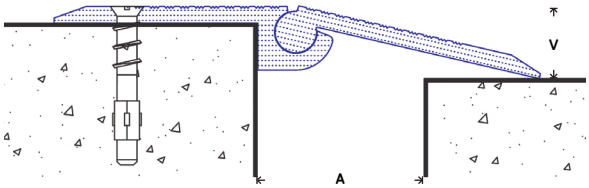
-> Separate compatible water- & fire-barriers available <-

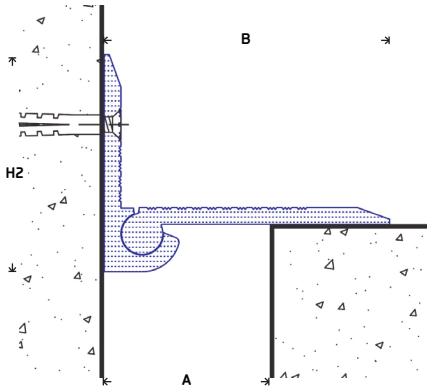




F.SW







F.SW/C

TYPE	"A"	"B"	"H1"	"H2"	"V"	Total Movement
F.SW 50	50	146	20	-	40	85
F.SW 75	75	187	20	-	60	114
F.SW 100	100	221	20	-	60	160
F.SW/C 50	50	85	-	65	40	85
F.SW/C 75	75	115	-	65	60	114
F.SW/C 100	100	160	-	65	60	160

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 43,47,50,52

FLOOR JOINT COVERS ☐ Type F.AL-PL

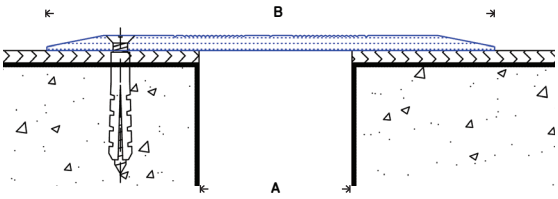
Commercial Applications - Large Movement

Use: Expansion joint covers with large movement capability for completed floors.

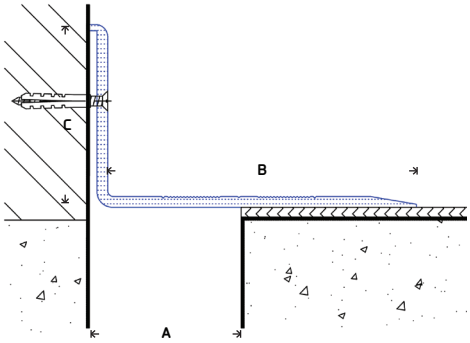
Material: - Mill finish or clear-anodized aluminium alloy 60.63-T5 with non-skid striated surface and chamfered edges.
- Other widths and thicknesses than those indicated below, also available.

Load capacity: Pedestrian traffic.

-> Separate compatible water- & fire-barriers available <-



F.AL-PL



F.AL-PL/C

TYPE	"A"	"B"	"C"	Cover plate thickness	Total Movement
F.AL-PL 25	25	67	-	3	45
F.AL-PL 50	50	117	-	4	67
F.AL-PL 75	75	167	-	4	117
F.AL-PL 100	100	167-219	-	4	117
F.AL-PL 125	125	219	-	4	169
F.AL-PL 150	150	219	-	4	169
F.AL-PL/C 25	25	64	50	3	45
F.AL-PL/C 50	50	102	60	3,5	108
F.AL-PL/C 75	75	102	60	3,5	107
F.AL-PL/C 100	100	152	60	3,5	158
F.AL-PL/C 125	125	152-210	60	3,5	158
F.AL-PL/C 150	150	210	60	3,5	208

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 43,47,50,52

FLOOR JOINT COVERS ☐ Types F.SS-PL, 2F.SS-PL, 3F.SS-PL, F.SS-GR

Stainless Steel - Commercial and Heavy Duty Applications

Use: Expansion joint covers for completed floors. Removable cover plates with excellent load capacity behaviour.

Material: Stainless steel AISI 304 or AISI 316 with satin finish and countersunk holes.
Other stainless-steel grades or finishes available upon request.
Custom sizes, other than those shown below, also available upon request.

Load capacity: Heavy pedestrian traffic, vehicular, trucks & forklift truck with solid tires traffic.

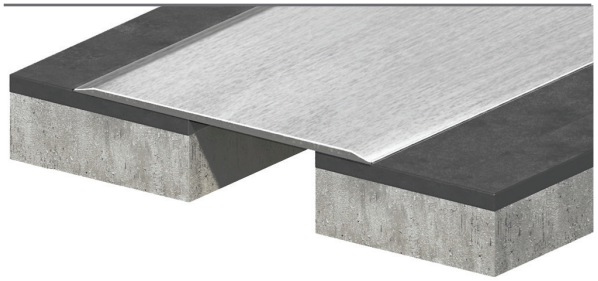
LOAD CAPACITY TEST RESULTS FOR CONTINUOUS LOAD	150mm wide x 4mm thick: 38,68kN 150mm wide x 5mm thick: 41,38kN

(Detailed third-party test reports available for F.SS-PL)

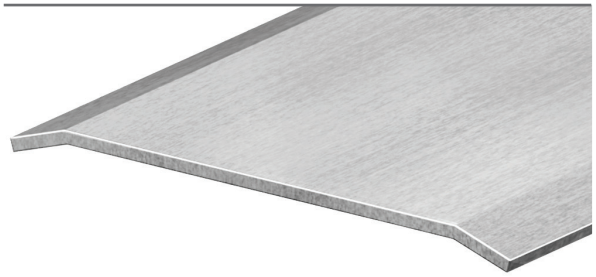
Additional features: 2F.SS-PL series: Suitable for joint gaps with uneven sides.
3F.SS-PL series: Joints wider than 50mm.
F.SS-GR series: Grooved surface for extra non-skid performance.

-> Separate compatible water- & fire-barriers available <-

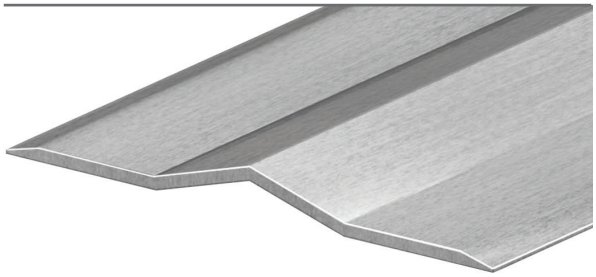
F.SS-PL



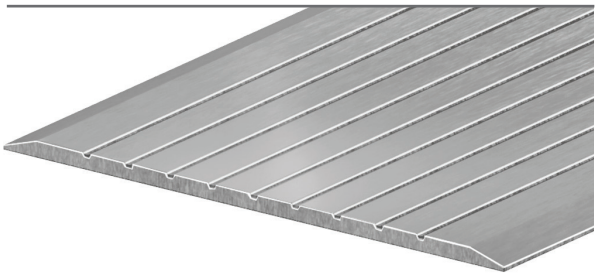
2F.SS-PL

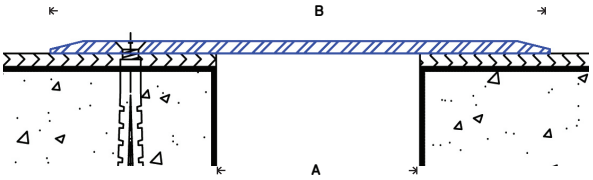


3F.SS-PL

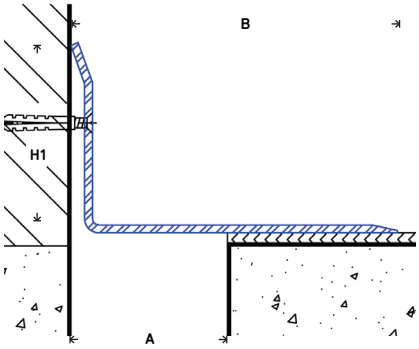


F.SS-GR

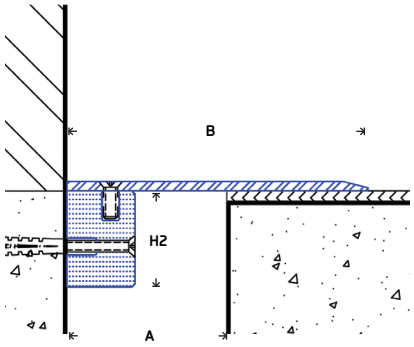




F.SS-PL



F.SS-PL/C1



F.SS-PL/C2

TYPE	"A"	"B"	"H1"	"H2"	Available thicknesses	Total Movement
F.SS-PL 50	50	120	-	-	3 up to 5mm	70
F.SS-PL 75	75	140	-	-	3 up to 5mm	90
F.SS-PL 100	100	180	-	-	3 up to 5mm	130
F.SS-PL 125	125	200	-	-	3 up to 5mm	150
F.SS-PL 150	150	240	-	-	3 up to 5mm	190
F.SS-PL 200	200	300	-	-	3 up to 5mm	240
F.SS-PL/C 50	50	80	60	30	1,5 up to 3mm	120
F.SS-PL/C 75	75	100	60	30	1,5 up to 3mm	140
F.SS-PL/C 100	100	140	60	30	1,5 up to 3mm	230
F.SS-PL/C 125	125	160	60	30	1,5 up to 3mm	200
F.SS-PL/C 150	150	200	60	30	1,5 up to 3mm	240
F.SS-PL/C 200	200	250	60	30	1,5 up to 3mm	300

Dimensions in mm

-> For 2F.SS-PL, 3F.SS-PL & F.SS-GR series apply the dimensions of F.SS-PL series

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 48,49,50

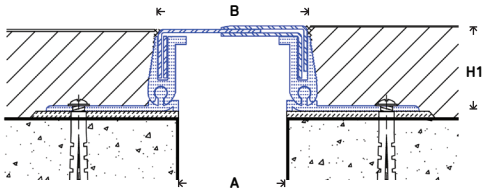
Type 5F-IN

Use: Expansion joint covers for non-completed floors. Design with visible surface almost equal to joint gap width thus making it ideal for residential applications.

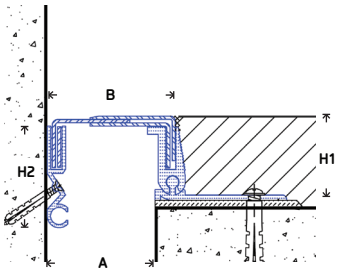
Material: - Non-visible frames made of mill finish aluminium alloy 60.63-T5.
- Visible angles made of stainless-steel AISI 304 with satin finish.
Other stainless-steel grades or finishes available upon request.

Load capacity: Pedestrian traffic.

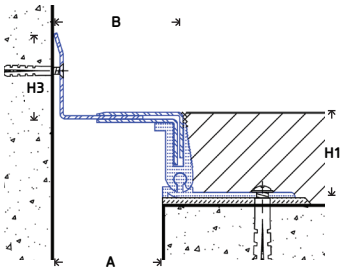
-> Separate compatible water- & fire-barriers available <-



5F-IN



5F-IN/C a



5F-IN/C b

TYPE	"A"	"B"	"C"	"H1"	"H2"	"H3"	Total Movement
5F-IN 30	30	40	61	38	-	-	20
5F-IN 50	50	60	61	40	-	-	35
5F-IN 75	75	85	61	42	-	-	50
5F-IN 100	100	110	61	42	-	-	60
5F-IN/C 30	30	30	61	38	60	47	20
5F-IN/C 50	50	50	61	40	60	47	35
5F-IN/C 75	75	75	61	42	60	47	50
5F-IN/C 100	100	100	61	42	60	47	60

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 45,47

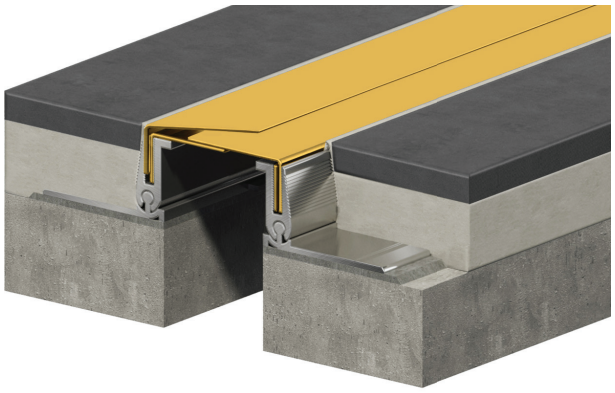
Type 5F-BR

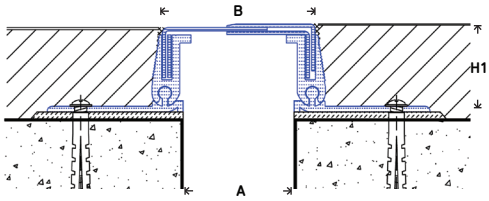
Use: Expansion joint covers for non-completed floors. Design with visible surface almost equal to joint gap width thus making it ideal for residential applications.

Material: - Non-visible frames made of mill finish aluminium alloy 60.63-T5.
- Visible angles made of brass alloy OT63 with neutral finish.
Other alloys or finishes available upon request.

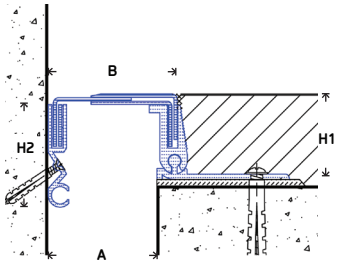
Load capacity: Pedestrian traffic.

-> Separate compatible water- & fire-barriers available <-

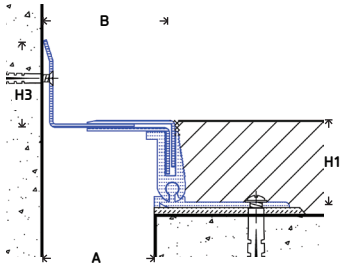




5F-BR



5F-BR/C a



5F-BR/C b

TYPE	"A"	"B"	"C"	"H1"	"H2"	"H3"	Total Movement
5F-BR 30	30	40	61	38	-	-	20
5F-BR 50	50	60	61	40	-	-	35
5F-BR 75	75	85	61	42	-	-	50
5F-BR 100	100	110	61	42	-	-	60
5F-BR/C 30	30	30	61	38	60	47	20
5F-BR/C 50	50	50	61	40	60	47	35
5F-BR/C 75	75	75	61	42	60	47	50
5F-BR/C 100	100	100	61	42	60	47	60

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 45,47

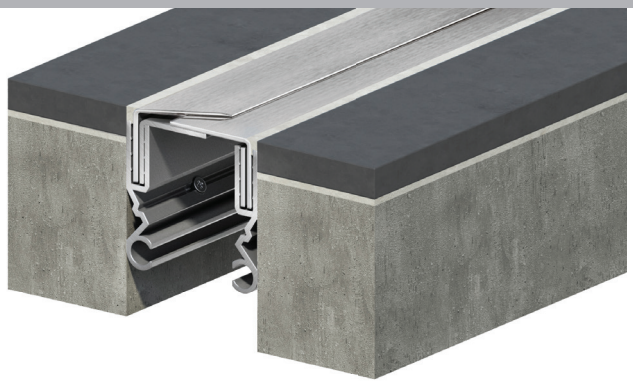
Type 5FAS-IN

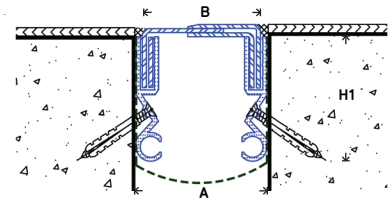
Use: Expansion joint covers for completed floors. Design with visible surface equal to joint gap width and non-visible fixing screws. Ideal for residential applications.

Material: - Non-visible frames made of mill finish aluminium alloy 60.63-T5.
- Visible angles made of stainless-steel AISI 304 with satin finish.
Other stainless-steel grades or finishes available upon request.

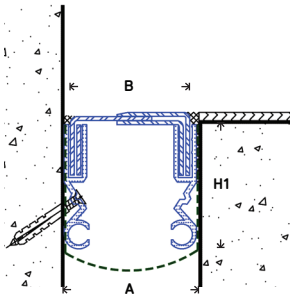
Load capacity: Pedestrian traffic.

-> Separate compatible water- & fire-barriers available <-

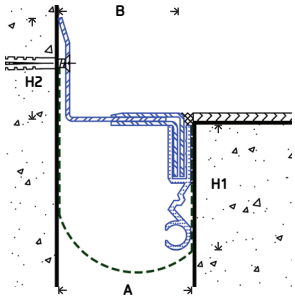




5FAS-IN



5FAS-IN C1



5FAS-IN C2

TYPE	"A"	"B"	"H1"	"H2"	Total Movement
5FAS-IN 30	30	30	52	-	20
5FAS-IN 50	50	50	52	-	35
5FAS-IN 75	75	75	52	-	50
5FAS-IN 100	100	100	52	-	60
5FAS-IN/C 30	30	30	52	60	20
5FAS-IN/C 50	50	50	52	60	35
5FAS-IN/C 75	75	75	52	60	50
5FAS-IN/C 100	100	100	52	60	60

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 45,47

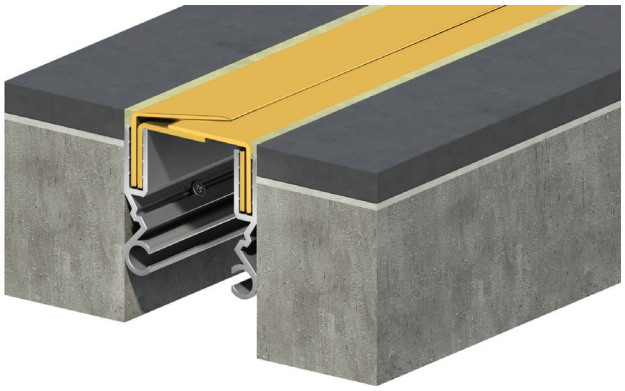
Type 5FAS-BR

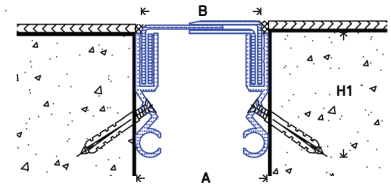
Use: Expansion joint covers for completed floors. Design with visible surface equal to joint gap width and non-visible fixing screws. Ideal for residential applications.

Material: - Non-visible frames made of mill finish aluminium alloy 60.63-T5.
- Visible angles made of brass alloy OT63 with neutral finish.
Other alloys or finishes available upon request.

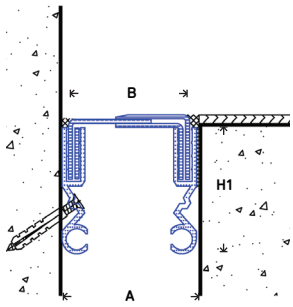
Load capacity: Pedestrian traffic.

-> Separate compatible water- & fire-barriers available <-

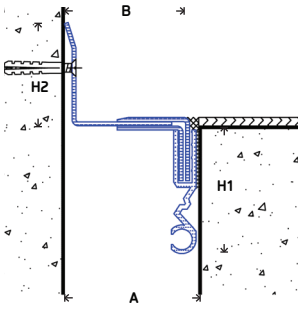




5FAS-BR



5FAS-BR C1



5FAS-BR C2

TYPE	"A"	"B"	"H1"	"H2"	Total Movement
5FAS-BR 30	30	30	52	-	20
5FAS-BR 50	50	50	52	-	35
5FAS-BR 75	75	75	52	-	50
5FAS-BR 100	100	100	52	-	60
5FAS-BR/C 30	30	30	52	60	20
5FAS-BR/C 50	50	50	52	60	35
5FAS-BR/C 75	75	75	52	60	50
5FAS-BR/C 100	100	100	52	60	60

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 45,47

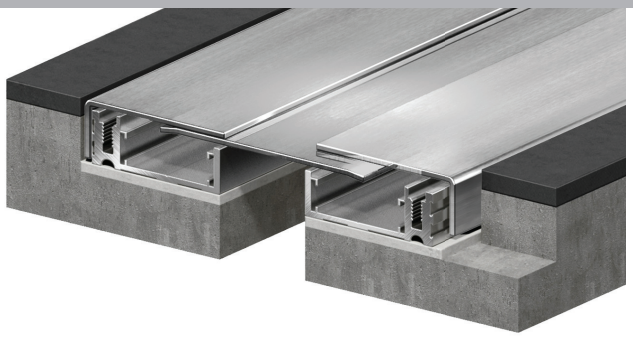
Type FSP-IN

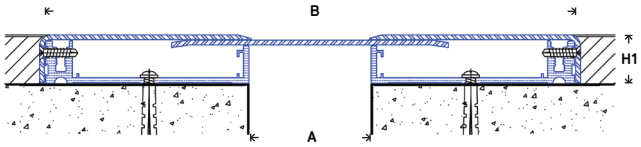
Use: Expansion joint covers for installation on non-completed floors. Assemblies can be also installed on completed floors (additional works on the floor will be required).

Material: Non-visible frames made of mill finish aluminium alloy 60.63-T5. Visible parts made of AISI 304 stainless steel with satin finish. Other stainless-steel grades or finishes available upon request.

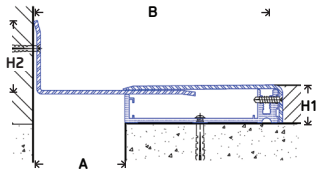
Load capacity: Pedestrian & vehicular traffic.

-> Separate compatible water- & fire-barriers available <-

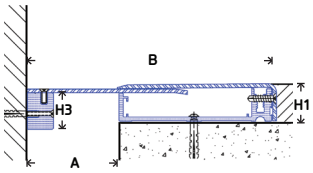




FSP-IN



FSP-INa/C



FSP-INb/C

TYPE	"A"	"B"	"H1"	"H2"	"H3"	Total Movement
FSP-IN 50	50	207	32	-	-	100
FSP-IN 75	75	332	32	-	-	150
FSP-IN 100	100	357	32	-	-	200
FSP-INa/C 50	50	174	32	60	-	100
FSP-INa/C 75	75	199	32	60	-	150
FSP-INa/C 100	100	224	32	60	-	200
FSP-INb/C 50	50	174	32	-	30	100
FSP-INb/C 75	75	199	32	-	30	150
FSP-INb/C 100	100	224	32	-	30	200

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 48,49,50

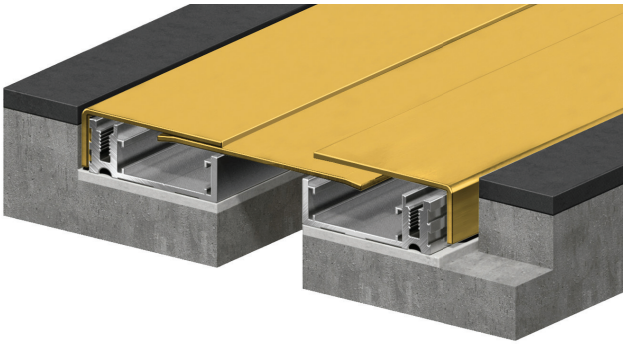
Type FSP-BR

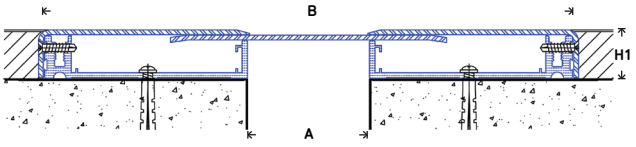
Use: Expansion joint covers for installation on non-completed floors. Assemblies can be also installed on completed floors (additional works on the floor will be required).

Material: Non-visible frames made of mill finish aluminium alloy 60.63-T5. Visible parts made of brass alloy OT63 with neutral finish.

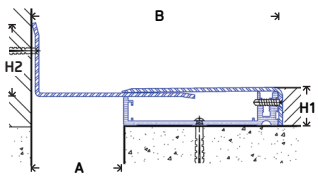
Load capacity: Pedestrian & vehicular traffic.

-> Separate compatible water- & fire-barriers available <-

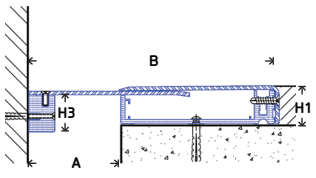




FSP-BR



FSP-BRa/C



FSP-BRb/C

TYPE	"A"	"B"	"H1"	"H2"	"H3"	Total Movement
FSP-BR 50	50	207	32	-	-	100
FSP-BR 75	75	332	32	-	-	150
FSP-BR 100	100	357	32	-	-	200
FSP-BRa/C 50	50	174	32	60	-	100
FSP-BRa/C 75	75	199	32	60	-	150
FSP-BRa/C 100	100	224	32	60	-	200
FSP-BRb/C 50	50	174	32	-	30	100
FSP-BRb/C 75	75	199	32	-	30	150
FSP-BRb/C 100	100	224	32	-	30	200

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 48,49,50

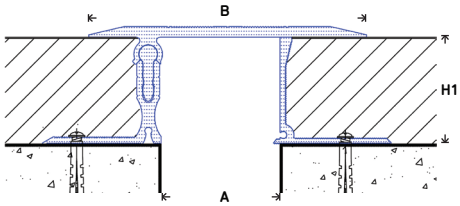
Type FIF-AL

Use: Expansion joint covers for non-completed floors.

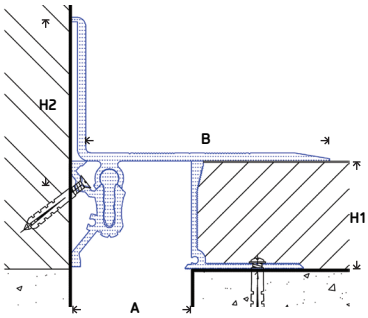
Material: Mill finish or clear-anodized aluminium alloy 60.63-T5. Visible cover plate with non-skid striated surface and chamfered edges.

Load capacity: Pedestrian traffic.

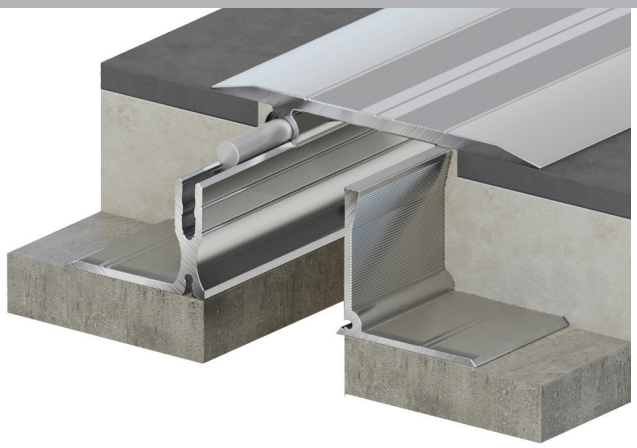
-> Separate compatible water- & fire-barriers available <-



FIF-AL



FIF-AL/C



TYPE	"A"	"B"	"H1"	"H2"	Total Movement
FIF-AL 50	50	117	45	-	85
FIF-AL 75	75	117 or 167	45	-	130
FIF-AL 100	100	167	45	-	135
FIF-AL 125	125	219	45	-	185
FIF-AL 150	150	219	45	-	185
FIF-AL/C 50	50	107	45	60	90
FIF-AL/C 75	75	107	45	60	90
FIF-AL/C 100	100	157	45	60	140
FIF-AL/C 125	125	210	45	60	195
FIF-AL/C 150	150	210	45	60	195

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 43,47,52

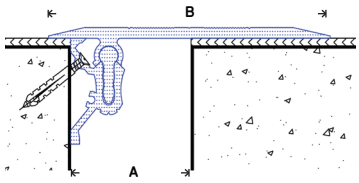
Type FAS.IF-AL

Use: Expansion joint covers for completed floors.

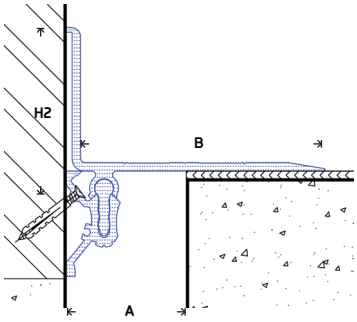
Material: Mill finish or clear-anodized aluminium alloy 60.63-T5. Visible cover plate with non-skid striated surface and chamfered edges.

Load capacity: Pedestrian traffic.

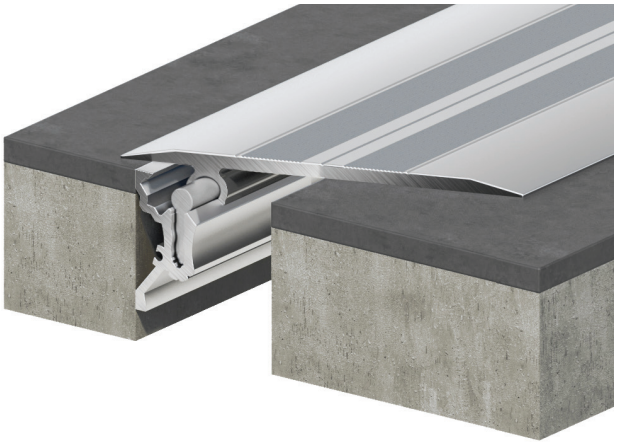
-> Separate compatible water- & fire-barriers available <-



FAS.IF-AL



FAS.IF-AL/C



TYPE	"A"	"B"	"H1"	Total Movement
FAS.IF-AL 50	50	117	-	85
FAS.IF-AL 75	75	117 or 167	-	85
FAS.IF-AL 100	100	167	-	135
FAS.IF-AL 125	125	219	-	185
FAS.IF-AL 150	150	219	-	140
FAS.IF-AL /C 50	50	107	60	90
FAS.IF-AL /C 75	75	107	60	90
FAS.IF-AL /C 100	100	157	60	140
FAS.IF-AL /C 125	125	210	60	195
FAS.IF-AL /C 150	150	210	60	195

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 43,47,52

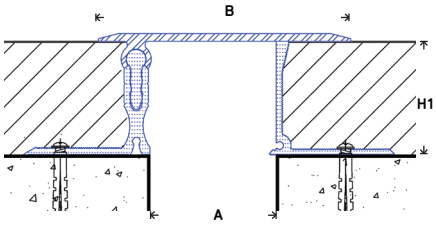
Type FIF-IN

Use: Expansion joint covers for non-completed floors.

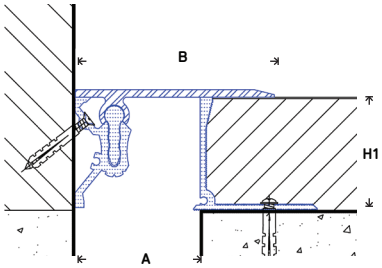
Material: - Non-visible frames made of mill finish or clear-anodized aluminium alloy 60.63-T5.
- Visible cover plate made of stainless-steel AISI 304 with satin finish. Other stainless-steel grades or finishes available upon request.

Load capacity: Heavy pedestrian traffic, vehicular, trucks & forklift truck with solid tires traffic.

-> Separate compatible water- & fire-barriers available <-



FIF-IN



FIF-IN/C

TYPE	"A"	"B"	"H1"	Cover plate thickness	Total Movement
FIF-IN 50	50	100	45	3	65
FIF-IN 75	75	120	45	3	115
FIF-IN 100	100	150	45	3	115
FIF-IN 125	125	180	45	3-4	165
FIF-IN 150	150	200	45	3-4	165
FIF-IN/C 50	50	80	45	3	70
FIF-IN/C 75	75	100	45	3	70
FIF-IN/C 100	100	120	45	3	115
FIF-IN/C 125	125	180	45	3	170
FIF-IN/C 150	150	200	45	3	165

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 48,49,50,51

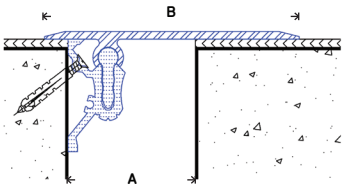
Type FAS.IF-IN

Use: Expansion joint covers for completed floors.

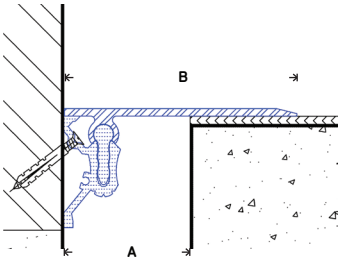
Material: - Non-visible frames made of mill finish or clear-anodized aluminium alloy 60.63-T5.
- Visible cover plate made of stainless-steel AISI 304 with satin finish. Other stainless-steel grades or finishes available upon request.

Load capacity: Heavy pedestrian traffic, vehicular, trucks & forklift truck with solid tires traffic.

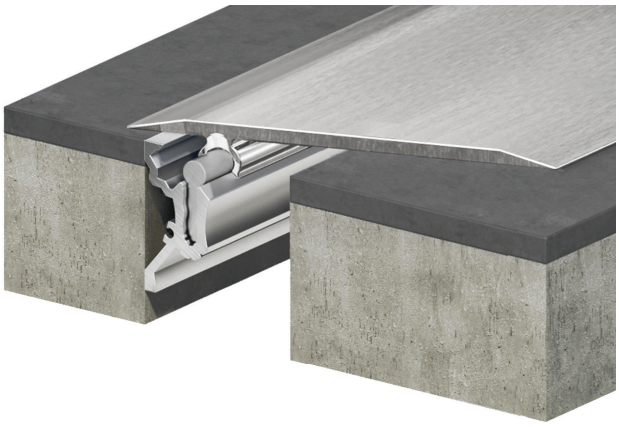
-> Separate compatible water- & fire-barriers available <-



FAS.IF-IN



FAS.IF-IN/C



TYPE	"A"	"B"	Cover plate thickness	Total Movement
FAS.IF-IN 50	50	100	3	60
FAS.IF-IN 75	75	120	3	70
FAS.IF-IN 100	100	150	3	120
FAS.IF-IN 125	125	180	3-4	170
FAS.IF-IN 150	150	200	3-4	120
FAS.IF-IN/C 50	50	80	3	70
FAS.IF-IN/C 75	75	120	3	70
FAS.IF-IN/C 100	100	150	3	130
FAS.IF-IN/C 125	125	180	3	180
FAS.IF-IN/C 150	150	200	3	135

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 48,49,50,51

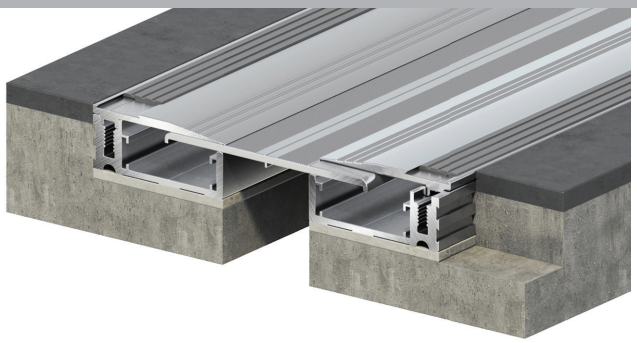
Type FSP

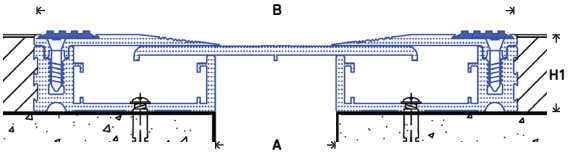
Use: Expansion joint covers for installation on non-completed floors. Assemblies can be also installed on completed floors (additional works on the floor will be required).

Material: - Profiles made of mill finish or clear-anodized aluminium alloy 60.63-T5. Visible parts bear striated, non-skid surface.
- Replaceable, non-skid strips of UV-PVC or Santoprene TPV in black, brown, grey or beige (other colors available upon request).

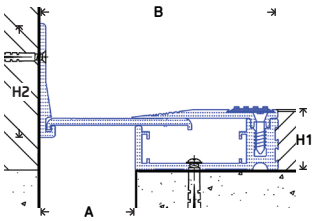
Load capacity: Pedestrian traffic.

-> Separate compatible water- & fire-barriers available <-

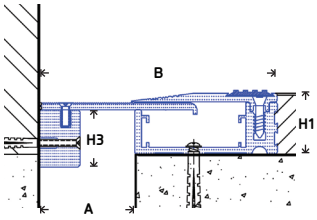




FSP



FSP a/C



FSP b/C

TYPE	"A"	"B"	"H1"	"H2"	"H3"	Total Movement
FSP 50	50	200	32	-	-	100
FSP 75	75	320	32	-	-	150
FSP 100	100	350	32	-	-	200
FSP a/C 50	50	186	32	50	-	95
FSP a/C 75	75	197	32	50	-	130
FSP a/C 100	100	222	32	50	-	195
FSP b/C 50	50	170	32	-	30	80
FSP b/C 75	75	200	32	-	30	130
FSP b/C 100	100	225	32	-	30	180

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 47,48,52

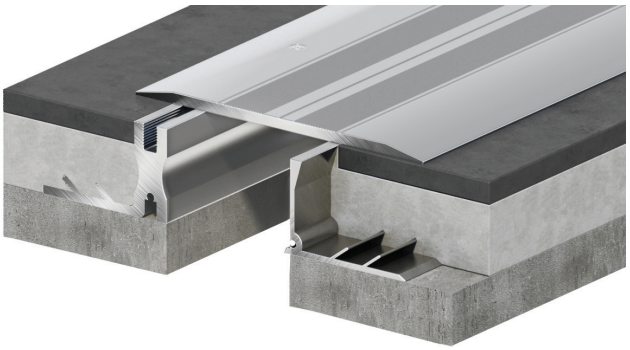
Type 2FSP-AL

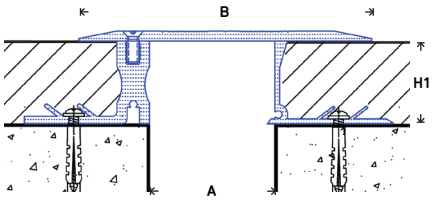
Use: Expansion joint covers for installation on non-completed floors.

Material: Profiles made of mill finish or clear-anodized aluminium alloy 60.63-T5. Replaceable visible cover plate bears striated, non-skid surface. Cover plate available with one or two chamfered edges.
Also available: stainless steel AISI 304 cover plate.
Product series 3FSP-IN.

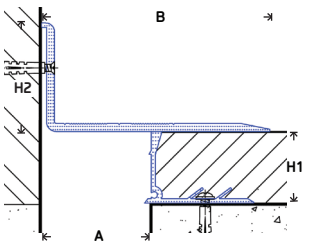
Load capacity: Pedestrian traffic.

-> Separate compatible water- & fire-barriers available <-

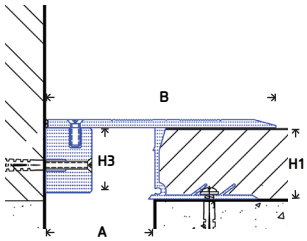




2FSP-AL



2FSP-AL/C1



2FSP-AL/C2

TYPE	"A"	"B"	"H1"	"H2"	"H3"	Total Movement
2FSP-AL 50	50	110	13,5 , 33 , 45	-	-	90
2FSP-AL 75	75	160	13,5 , 33 , 45	-	-	140
2FSP-AL 100	100	160	13,5 , 33 , 45	-	-	140
2FSP-AL 125	125	210	13,5 , 33 , 45	-	-	190
2FSP-AL 150	150	210	13,5 , 33 , 45	-	-	190
2FSP-AL/C 50	50	110	13,5 , 33 , 45	60	30	110
2FSP-AL/C 75	75	160	13,5 , 33 , 45	60	30	110
2FSP-AL/C 100	100	160	13,5 , 33 , 45	60	30	160
2FSP-AL/C 125	125	210	13,5 , 33 , 45	60	30	215
2FSP-AL/C 150	150	210	13,5 , 33 , 45	60	30	215

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 47,48,52

FLOOR JOINT PROFILES ☐ Type F.ELM-AL

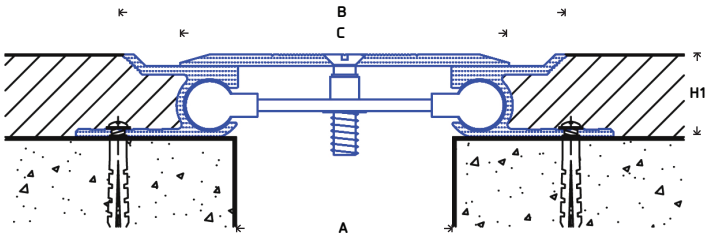
Seismic Movement

Use: Seismic profiles in areas with heavy pedestrian traffic.

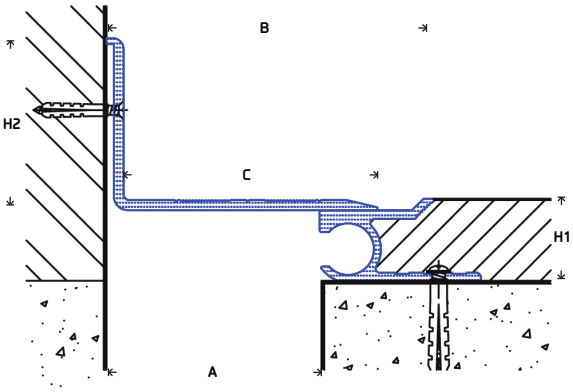
Material: - Bases and cover plates: Mill finish or clear-anodised aluminium alloy 60.63-T5 and nylon end balls.
- Centering bar: Stainless steel AISI 304.

Load capacity: Areas with pedestrian, slow-passing passenger cars and service equipment traffic.

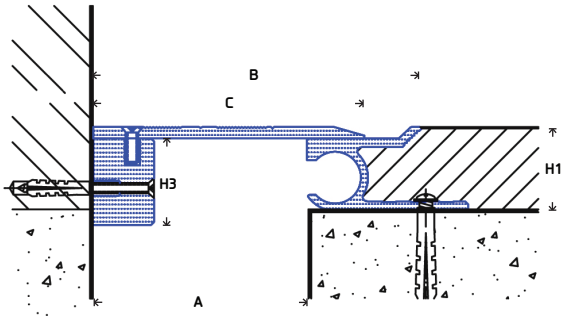
-> Separate compatible water- & fire-barriers available <-



F.ELM-AL



F.ELM-AL/C 1



F.ELM-AL/C 2

TYPE	"A"	"B"	"C"	"H1"	"H2"	"H3"	Total Movement
F.ELM-AL 30	30	110	67	30	-	-	75 [-40+35]
F.ELM-AL 50	50	129	80	30	-	-	64 [-33+31]
F.ELM-AL 75	75	154	100	30	-	-	61 [-38+23]
F.ELM-AL 100	100	179	150	30	-	-	64 [-13+51]
F.ELM-AL 125	125	204	170	30	-	-	64 [-18+46]
F.ELM-AL 150	150	229	200	30	-	-	64 [-13+51]
F.ELM-AL 175	175	254	225	30	-	-	64 [-13+51]
F.ELM-AL 200	200	279	250	30	-	-	64 [-13+51]
F.ELM-AL/C 30	30	63	40	30	50	30	30 [-15+15]
F.ELM-AL/C 50	50	90	65	30	50	30	32 [-17+15]
F.ELM-AL/C 75	75	115	88	30	50	30	30 [-19+11]
F.ELM-AL/C 100	100	140	125	30	50	30	32 [-7+25]
F.ELM-AL/C 125	125	165	148	30	50	30	32 [-9+23]
F.ELM-AL/C 150	150	190	175	30	50	30	32 [-7+25]
F.ELM-AL/C 175	175	215	200	30	50	30	32 [-7+25]
F.ELM-AL/C 200	200	240	225	30	50	30	32 [-7+25]

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 45,47,49,50,51,52

FLOOR JOINT PROFILES ☐ Type 2F.ELM-AL

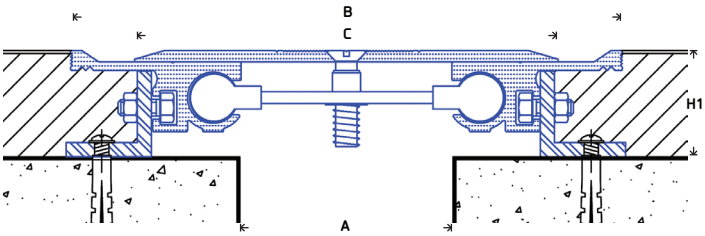
Seismic Movement - Suitable for various floor thicknesses up to 100mm

Use: Expansion joint covers for installation on non-completed floors. Side frame design enables installation on floor substrates & finishes up to 100mm thick.

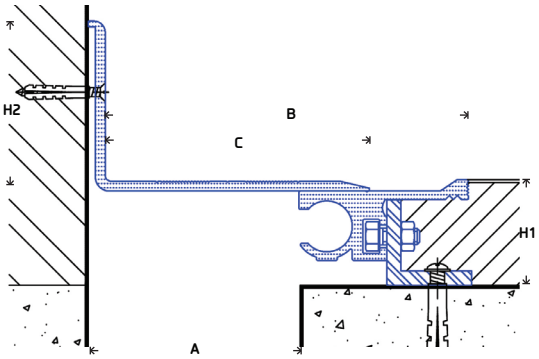
Material: - Profiles made of mill finish or clear-anodized aluminium alloy 60.63-T5. Center-plate available with striated or smooth surface.
- Centering bars made of steel or stainless-steel blades and nylon end balls.

Load capacity: Areas with pedestrian, slow-passing passenger cars and service equipment traffic.

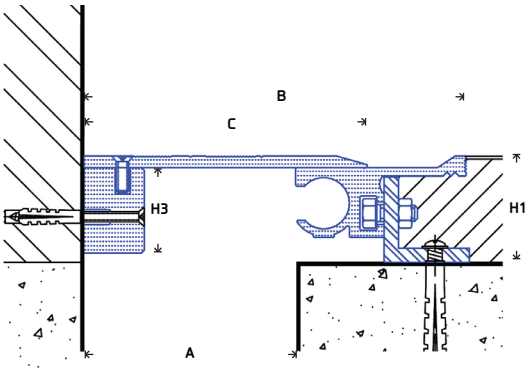
-> Separate compatible water- & fire-barriers available <-



2F.ELM-AL



2F.ELM-AL/C 1



2F.ELM-AL/C 2

TYPE	"A"	"B"	"C"	"H1"	"H2"	"H3"	Total Movement
2F.ELM-AL 50	50	170	100	30 up to 100	-	-	100 [-50+50]
2F.ELM-AL 75	75	195	125	30 up to 100	-	-	100 [-50+50]
2F.ELM-AL 100	100	220	150	30 up to 100	-	-	100 [-50+50]
2F.ELM-AL 125	125	245	175	30 up to 100	-	-	100 [-50+50]
2F.ELM-AL 150	150	270	200	30 up to 100	-	-	100 [-50+50]
2F.ELM-AL 175	175	295	225	30 up to 100	-	-	100 [-50+50]
2F.ELM-AL 200	200	320	250	30 up to 100	-	-	100 [-50+50]
2F.ELM-AL/C 50	50	95	70	30 up to 100	50	30	50 [-25+25]
2F.ELM-AL/C 75	75	130	95	30 up to 100	50	30	50 [-25+25]
2F.ELM-AL/C 100	100	155	120	30 up to 100	50	30	50 [-25+25]
2F.ELM-AL/C 125	125	185	145	30 up to 100	50	30	50 [-25+25]
2F.ELM-AL/C 150	150	205	170	30 up to 100	50	30	50 [-25+25]
2F.ELM-AL/C 175	175	230	195	30 up to 100	50	30	50 [-25+25]
2F.ELM-AL/C 200	200	255	220	30 up to 100	50	30	50 [-25+25]

Dimensions in mm

Various cover plate widths available to match movement requirements other than shown above

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 45,47,49,50,51,52

FLOOR JOINT PROFILES ☐ Type 3F.ELM-AL

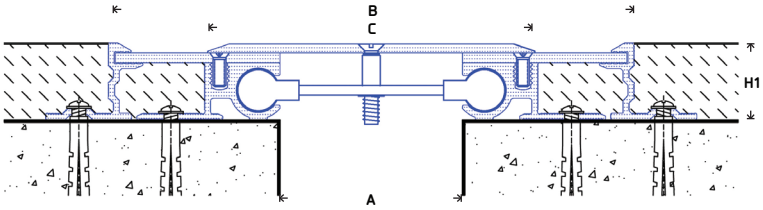
Up to ±100% movement capability – Variable visible width

Use: Expansion joint covers for installation on non-completed floors. Design with side plates enables variable exposed surface to meet movement requirements up to ±100% .

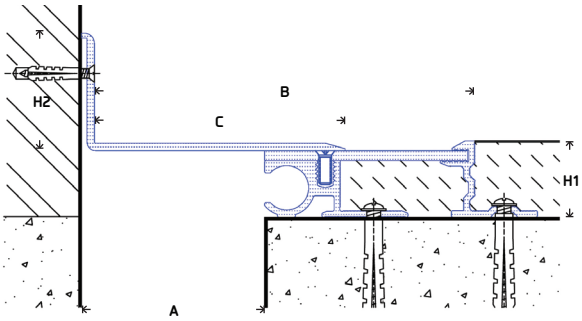
Material:
- Profiles made of mill finish or clear-anodized aluminium alloy 60.63-T5. Center-plate available with striated or smooth surface.
- Visible sides of aluminum edge frames with striated non-skip surface.
- Centering bars made of steel or stainless-steel blades and nylon end balls.

Load capacity: Areas with pedestrian, slow-passing passenger cars and service equipment traffic.

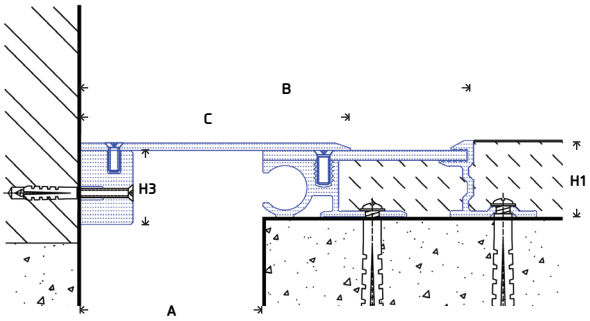
-> Separate compatible water- & fire-barriers available <-



3F.ELM-AL



3F.ELM-AL/C 1



3F.ELM-AL/C 2

TYPE	"A"	"B"	"C"	"H1"	"H2"	"H3"	Total Movement
3F.ELM-AL 75	75	212	130	31	-	-	76 [-38+38]
3F.ELM-AL 100	100	237	160	31	-	-	120 [-60+60]
3F.ELM-AL 125	125	267	200	31	-	-	124 [-62+62]
3F.ELM-AL 150	150	320	225	31	-	-	150 [-75+75]
3F.ELM-AL 175	175	369	250	31	-	-	176 [-88+88]
3F.ELM-AL 200	200	418	300	31	-	-	200 [-100+100]
3F.ELM-AL/C 75	75	160	110	31	50	30	76 [-38+38]
3F.ELM-AL/C 100	100	209	145	31	50	30	120 [-60+60]
3F.ELM-AL/C 125	125	256	180	31	50	30	124 [-62+62]
3F.ELM-AL/C 150	150	309	220	31	50	30	150 [-75+75]
3F.ELM-AL/C 175	175	360	260	31	50	30	176 [-88+88]
3F.ELM-AL/C 200	200	384	270	31	50	30	200 [-100+100]

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 45,47,49,50,51,52

FLOOR JOINT PROFILES ☐ Type F.ELM-IN

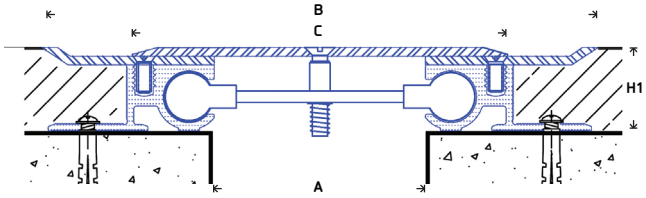
Stainless steel - Up to ±100% movement capability

Use: Expansion joint covers for installation on non-completed floors.

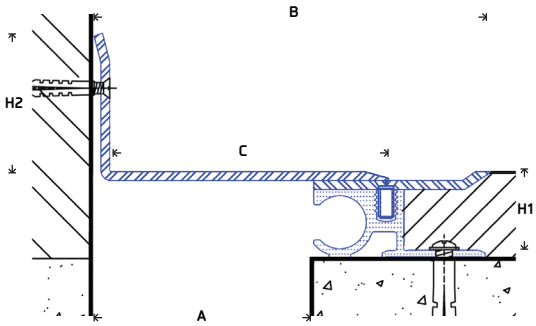
Material:
- Non-visible aluminium profiles made of mill finish aluminium alloy 60.63-T5.
- Visible center- and side-plates made of AISI 304 or AISI 316 stainless steel with satin finish. Other stainless-steel grades or finishes available upon request. Center-plate can be also manufactured with grooved surface for additional non-skid performance.
- Centering bars made of steel or stainless-steel blades and nylon end balls.

Load capacity: Areas with pedestrian, vehicular & service equipment traffic.

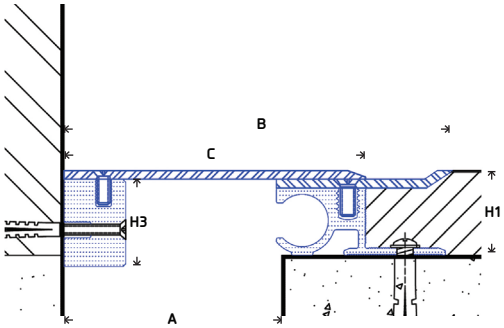
-> Separate compatible water- & fire-barriers available <-



F.ELM-IN



F.ELM-IN/C 1



F.ELM-IN/C 2

TYPE	"A"	"B"	"C"	"H1"	"H2"	"H3"	Cover plate thickness	Total Movement
F.ELM-IN 50	50	170	100	29	-	-	3	100 [-50+50]
F.ELM-IN 75	75	195	125	29	-	-	3	100 [-50+50]
F.ELM-IN 100	100	220	150	29	-	-	3	100 [-50+50]
F.ELM-IN 125	125	145	175	29	-	-	3 & 4	100 [-50+50]
F.ELM-IN 150	150	270	200	29	-	-	3 & 4	100 [-50+50]
F.ELM-IN 175	175	295	225	29	-	-	3 up to 5mm	100 [-50+50]
F.ELM-IN 200	200	320	250	29	-	-	3 up to 5mm	100 [-50+50]
F.ELM-IN/C 50	50	105	70	29	50	30	3	50 [-25+25]
F.ELM-IN/C 75	75	130	95	29	50	30	3	50 [-25+25]
F.ELM-IN/C 100	100	155	120	29	50	30	3	50 [-25+25]
F.ELM-IN/C 125	125	180	145	29	50	30	3	50 [-25+25]
F.ELM-IN/C 150	150	205	170	29	50	30	3	50 [-25+25]
F.ELM-IN/C 175	175	230	195	29	50	30	3	50 [-25+25]
F.ELM-IN/C 200	200	255	220	29	50	30	3	50 [-25+25]

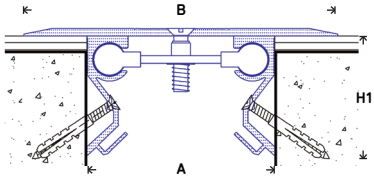
Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 48,49,50,51

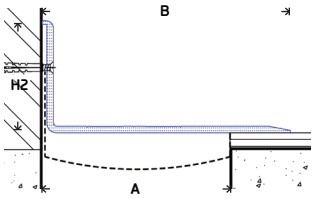
Type FAS.ELM-AL

Use: Expansion joint covers for installation on completed floors.
Material: - Profiles made of mill finish or clear-anodized aluminium alloy 60.63-T5. Center-plate with chamfered edges and with striated or smooth surface.
- Centering bars made of steel or stainless-steel blades and nylon end balls.
Load capacity: Pedestrian traffic.

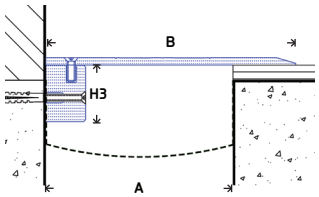
-> Separate compatible water- & fire-barriers available <-



FAS.ELM-AL



FAS.ELM-AL/C a



FAS.ELM-AL/C b

TYPE	"A"	"B"	"H1"	"H2"	Total Movement
FAS.ELM-AL 100	100	150	60	-	100 [-50+50]
FAS.ELM-AL 125	125	175	60	-	125 [-75+50]
FAS.ELM-AL 150	150	200	60	-	150 [-100+50]
FAS.ELM-AL 175	175	225	60	-	175 [-125+50]
FAS.ELM-AL 200	200	250	60	-	200 [-150+50]
FAS.ELM-AL/C 100	100	125	-	30	100 [-75+25]
FAS.ELM-AL/C 125	125	150	-	30	150 [-125+25]
FAS.ELM-AL/C 150	150	175	-	30	175 [-150+25]
FAS.ELM-AL/C 175	175	200	-	30	200 [-175+25]
FAS.ELM-AL/C 200	200	225	-	30	225 [-200+25]

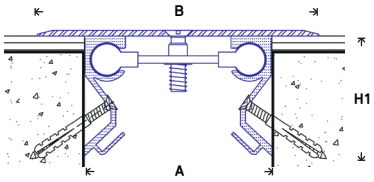
Dimensions in mm

Various cover plate widths available to match movement requirements other than shown above

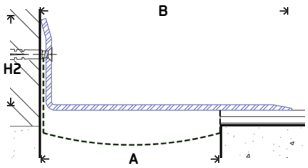
FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 47,49,50,51

Type FAS.ELM-IN

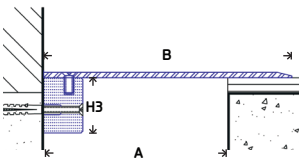
Use: Expansion joint covers for completed floors in areas with high load capacity requirements.
Material: - Non-visible profiles made of mill finish aluminium alloy 60.63-T5.
- Visible center-plate made of AISI 304 or AISI 316 stainless steel with satin finish. Other stainless-steel grades or finishes available upon request. Center-plate also available with grooved surface for additional non-skid performance.
- Centering bars made of steel or stainless-steel blades and nylon end balls.
Load capacity: Heavy duty traffic. Areas with forklift trucks (with solid or pneumatic tires) and trucks traffic.
Indicative load capacity values for non-moving load:
Joint width 100mm : 23,7kN with 3mm thick steel cover plate
: 38,6kN with 4mm thick steel cover plate
(Complete test report from independent laboratory available upon request.
Test reports for other sizes available upon request.)
-> Separate compatible water- & fire-barriers available <-



FAS.ELM-IN



FAS.ELM-IN/C a



FAS.ELM-IN/C b

TYPE	"A"	"B"	"H1"	"H2"	Plate thickness	Total Movement
FAS.ELM-IN 100	100	150	60	-	3&4	100 [-50+50]
FAS.ELM-IN 125	125	175	60	-	3&4	125 [-75+50]
FAS.ELM-IN 150	150	200	60	-	3&4	150 [-100+50]
FAS.ELM-IN 175	175	225	60	-	3&4	175 [-125+50]
FAS.ELM-IN 200	200	250	60	-	3&4	200 [-150+50]
FAS.ELM-IN/C 100	100	125	-	30	3&4	100 [-75+25]
FAS.ELM-IN/C 125	125	150	-	30	3&4	150 [-125+25]
FAS.ELM-IN/C 150	150	175	-	30	3&4	175 [-150+25]
FAS.ELM-IN/C 175	175	200	-	30	3&4	200 [-175+25]
FAS.ELM-IN/C 200	200	225	-	30	3&4	225 [-200+25]

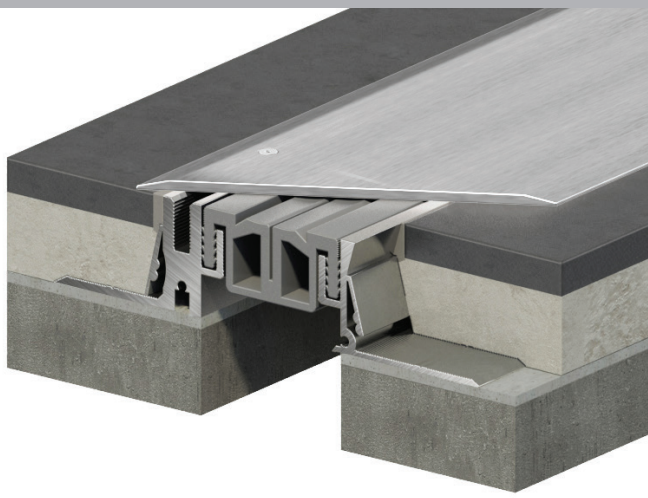
Dimensions in mm

Various cover plate widths available to match movement requirements other than shown above

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 47,49,50,51

FLOOR JOINT PROFILES ☐ Type 3FSP-IN-WT

Stainless steel – Watertight Application – High Load Capacity



Use: Expansion joint covers for non-completed floors in areas with special load capacity or waterproofing requirements.

Material:
- Non-visible frames made of mill finish aluminium alloy 60.63-T5.
- Replaceable, non-visible sealing inserts made of UV-PVC or Santoprene TPV.
- Non-reinforced EPDM membrane.
- Replaceable visible cover plates made of AISI 304 or AISI 316 stainless steel with satin finish. Other stainless-steel grades or finishes available upon request.

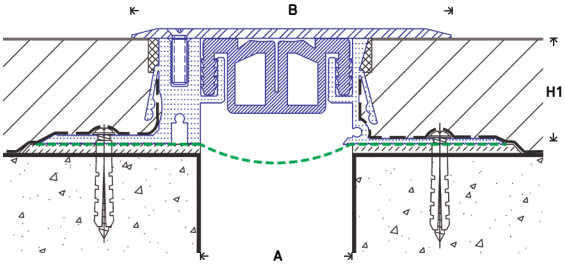
Load capacity: Heavy duty traffic. Very high load capacity & watertight assembly make it ideal option for areas with forklift trucks and truck traffic such as manufacturing units, special hygiene areas, swimming pools, laboratories etc.

Load capacity test results when non-moving load was applied:

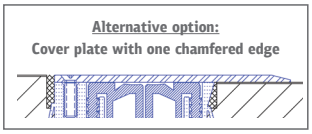
a) Joint width 50mm : 25kN with 3mm thick steel cover plate
: 46,59kN with 4mm thick steel cover plate
b) Joint width 100mm : 20,43kN with 4mm thick steel cover plate
: 41,38kN with 5mm thick steel cover plate

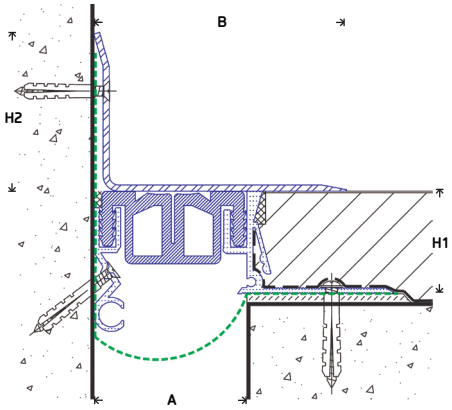
(Complete test report from independent laboratory available upon request. Test reports for other sizes available upon request.)

-> Separate compatible water- & fire-barriers available <-



3FSP-IN-WT





3FSP-IN-WT/C

TYPE	"A"	"B"	"H1"	"H2"	Cover plate thickness	Total Movement*
3FSP-IN-WT 50	50	100	33 & 45	-	3 up to 5mm	55
3FSP-IN-WT 75	75	120	33 & 45	-	3 up to 5mm	80
3FSP-IN-WT 100	100	150	33 & 45	-	3 up to 5mm	120
3FSP-IN-WT 125	125	180	33 & 45	-	3 up to 5mm	145
3FSP-IN-WT 150	150	200	33 & 45	-	3 up to 5mm	165
3FSP-IN-WT 175	175	220	33 & 45	-	3 up to 5mm	200
3FSP-IN-WT 200	200	250	33 & 45	-	3 up to 5mm	230
3FSP-IN-WT/C 50	50	80	33 & 45	60	2 up to 3mm	65
3FSP-IN-WT/C 75	75	100	33 & 45	60	2 up to 3mm	100
3FSP-IN-WT/ C100	100	130	33 & 45	60	2 up to 3mm	130
3FSP-IN-WT/C 125	125	160	33 & 45	60	2 up to 3mm	155
3FSP-IN-WT/C 150	150	180	33 & 45	60	2 up to 3mm	180
3FSP-IN-WT/C 175	175	200	33 & 45	60	2 up to 3mm	200
3FSP-IN-WT/C 200	200	230	33 & 45	60	2 up to 3mm	220

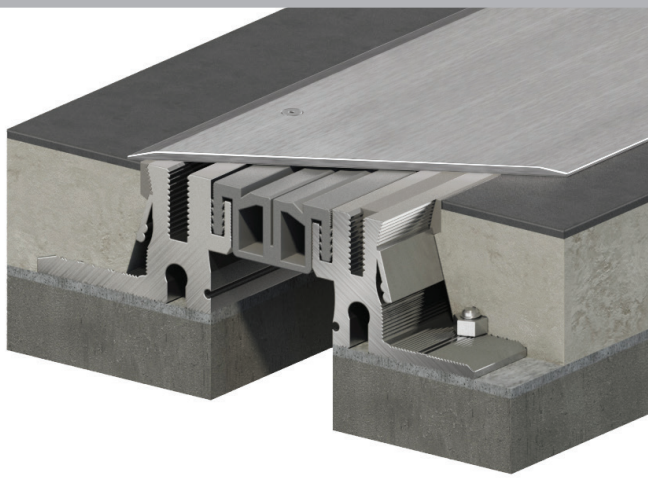
Dimensions in mm

* Movements do not take into consideration PVC or Santoprene elongation at break (ISO R527)

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 47,48,49,50

FLOOR JOINT PROFILES ☐ Type 3FSP-IN-EHD

Stainless steel – Watertight Application – Extra High Load Capacity



Use: Expansion joint covers for non-completed floors in areas with very high load capacity and waterproofing requirements.

Material:
- Non-visible heavy duty frames made of mill finish aluminium alloy 60.63-T5.
- Replaceable, non-visible sealing inserts made of UV-PVC or Santoprene TPV.
- Non-reinforced EPDM membrane.
- Replaceable visible cover plates made of AISI 304 or AISI 316 stainless steel with satin finish. Other stainless-steel grades or finishes available upon request.

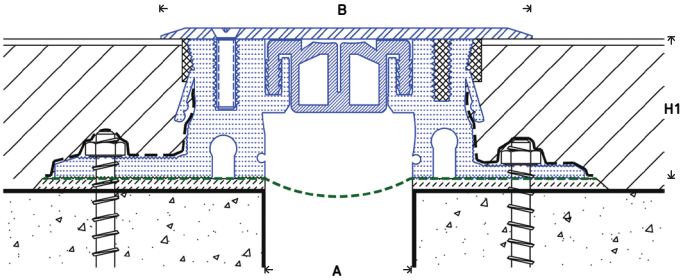
Load capacity: Heavy duty traffic. Very high load capacity & watertight assembly suitable for installation in areas with forklift trucks (with solid or pneumatic tires) and trucks such as storage areas, manufacturing units and logistics warehouses.

Load capacity tests performed at independent third-party laboratory gave the following results:

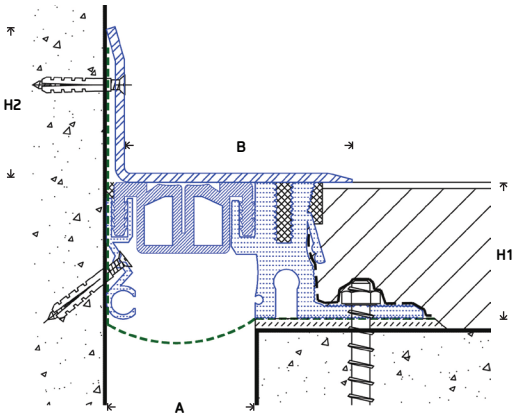
Joint width 100mm : 23,7kN with 3mm thick steel cover plate
: 38,6kN with 4mm thick steel cover plate

(Complete test report from independent laboratory available upon request. Test reports for other sizes available upon request.)

-> Separate compatible water- & fire-barriers available <-



3FSP-IN-EHD



3FSP-IN-EHD/C

TYPE	"A"	"B"	"H1"	"H2"	Cover plate thickness	Total Movement*
3FSP-IN-EHD 50	50	120	45	-	3 & 4mm	65
3FSP-IN-EHD 75	75	150	45	-	3 & 4mm	95
3FSP-IN-EHD 100	100	180	45	-	4 & 5mm	115
3FSP-IN-EHD 125	125	220	45	-	4 & 5mm	140
3FSP-IN-EHD 150	150	250	45	-	4 & 5mm	165
3FSP-IN-EHD 175	175	275	45	-	4 & 5mm	190
3FSP-IN-EHD 200	200	300	45	-	4 & 5mm	215
3FSP-IN-EHD/C 50	50	100	45	60	2 & 3mm	80
3FSP-IN-EHD/C 75	75	130	45	60	2 & 3mm	105
3FSP-IN-EHD/C 100	100	160	45	60	2 & 3mm	130
3FSP-IN-EHD/C 125	125	195	45	60	2 & 3mm	155
3FSP-IN-EHD/C 150	150	230	45	60	2 & 3mm	180
3FSP-IN-EHD/C 175	175	250	45	60	2 & 3mm	205
3FSP-IN-EHD/C 200	200	270	45	60	2 & 3mm	230

Dimensions in mm

* Movements do not take into consideration PVC or Santoprene elongation at break (ISO R527)

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 47,48,49,50

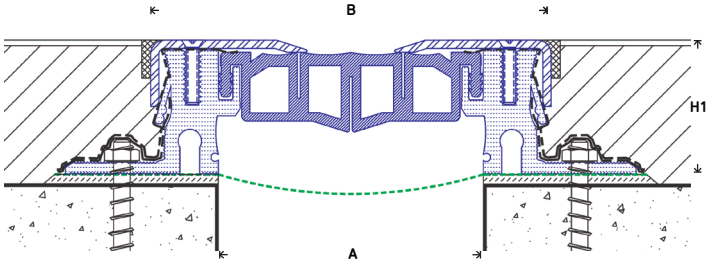
FLOOR JOINT PROFILES ☐ Type F.EHD-WT

Stainless steel

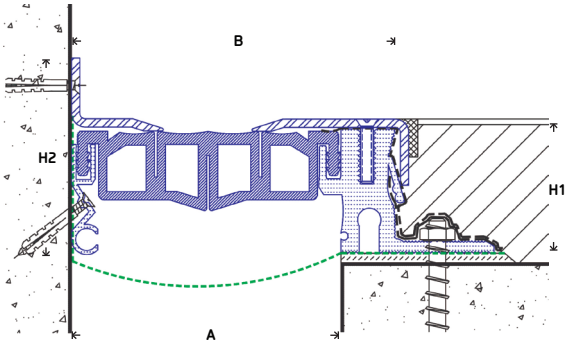
Use: Expansion joint covers for non-completed floors in areas with special load capacity and waterproofing requirements such as exterior or interior car-parks.

Material:
- Non-visible heavy duty frames made of mill finish aluminium alloy 60.63-T5.
- Replaceable visible sealing insert made of Santoprene TPV.
- Non-reinforced EPDM membrane.
- Replaceable visible angles made of AISI 304 or AISI 316 stainless steel with satin finish. Other stainless-steel grades or finishes available upon request.

Load capacity: Heavy duty traffic. Very high load capacity & watertight assembly suitable for areas with vehicular, forklift trucks and truck traffic such as manufacturing units, special hygiene areas, swimming pools, laboratories etc.



F.EHD-WT



F.EHD-WT/C

TYPE	"A"	"B"	"H1"	"H2"	Cover plate thickness	Total Movement
F.EHD-WT 50	50	100	45	45	3 up to 5mm	60
F.EHD-WT 75	75	120	45	45	3 up to 5mm	80
F.EHD-WT 100	100	150	45	45	3 up to 5mm	110
F.EHD-WT 150	150	200	45	45	3 up to 5mm	160
F.EHD-WT 200	200	250	45	45	3 up to 5mm	180
F.EHD-WT/C 50	50	80	45	70	3 up to 5mm	90
F.EHD-WT/C 75	75	100	45	70	3 up to 5mm	120
F.EHD-WT/C 100	100	120	45	70	3 up to 5mm	190
F.EHD-WT/C 150	150	175	45	70	3 up to 5mm	290
F.EHD-WT/C 200	200	230	45	70	3 up to 5mm	390

Dimensions in mm

-> Floor to wall applications available

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 44,46,47,48,49,50

FLOOR JOINT COVERS ☐ Type FAS.HD-IN

Stainless steel – High Load capacity - Seismic movement

Use: Expansion joint covers for completed floors in areas with very high load capacity requirements.

Material: - Non-visible frames made of mill finish aluminium alloy 60.63-T5.
- Non-reinforced EPDM membrane.
- Side- and center-plates made of AISI 304 or AISI 316 stainless steel with satin finish and chamfered edges. Other stainless-steel grades or finishes available upon request.
- Centering bars made of steel or stainless-steel blades and nylon end balls.

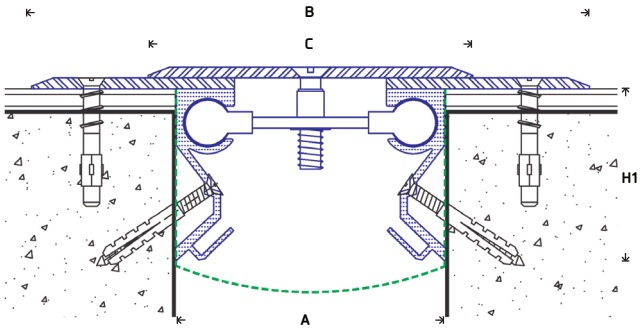
Load capacity: Heavy duty traffic. Assembly with very high load capacity assembly suitable for installation in areas with forklift trucks (with solid or pneumatic tires) and trucks such as storage areas, manufacturing units and logistics warehouses etc.

LOAD CAPACITY TEST RESULTS FOR CONTINUOUS LOAD:

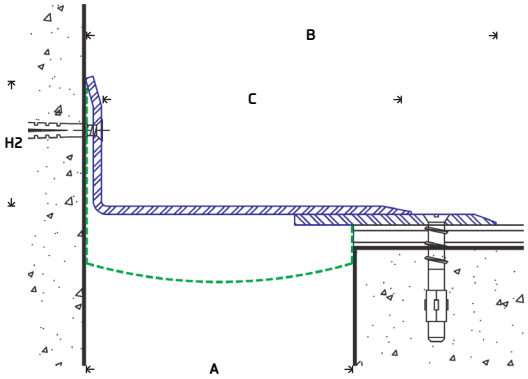
FAS.HD-IN 200 with 5mm thick plates: 48,56kN

(Detailed third-party test available)

-> Separate compatible water- & fire-barriers available <-



FAS.HD-IN



FAS.HD-IN/C

TYPE	"A"	"B"	"C"	"H1"	"H2"	Plate thickness	Total Movement
FAS.HD-IN 100	100	206	120	62	-	4-6	110 [-50+60]
FAS.HD-IN 125	125	231	145	62	-	4-6	125 [-65+60]
FAS.HD-IN 150	150	306	200	62	-	4-6	190 [-100+90]
FAS.HD-IN 175	175	331	225	62	-	4-6	220[-120+100]
FAS.HD-IN 200	200	396	300	62	-	4-6	300[-150+150]
FAS.HD-IN/C 100	100	150	120	-	60	4-6	80 [-40+40]
FAS.HD-IN/C 125	125	185	140	-	60	4-6	115 [-55+60]
FAS.HD-IN/C 150	150	210	160	-	60	4-6	145 [-70+75]
FAS.HD-IN/C 175	175	235	180	-	60	4-6	180 [-90+90]
FAS.HD-IN/C 200	200	275	205	-	60	4-6	210[-110+100]

Dimensions in mm

Various cover plate widths available to match movement requirements other than shown above

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 48,49,50,51

FLOOR JOINT COVERS ☐ Type 2FAS.HD-IN

Stainless steel – High Load capacity - Seismic movement

Use: Expansion joint covers for completed floors in areas with very high load capacity requirements.

Material: - Non-visible frames made of mill finish aluminium alloy 60.63-T5.
- Non-reinforced EPDM membrane.
- Side- and center-plates made of AISI 304 or AISI 316 stainless steel with satin finish and chamfered edges. Other stainless-steel grades or finishes available upon request. Side-plates design enables even surfaces across visible parts.
- Centering bars made of steel or stainless-steel blades and nylon end balls.

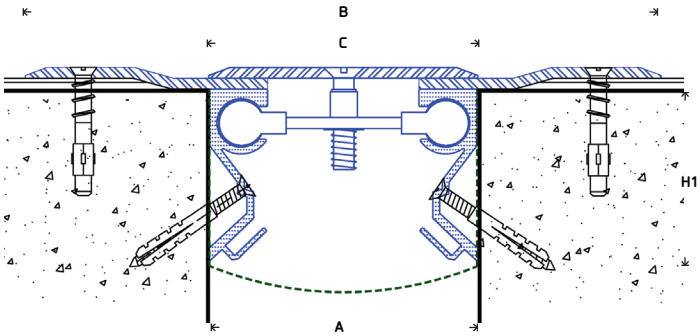
Load capacity: Heavy duty traffic. Assembly with very high load capacity assembly suitable for installation in areas with forklift trucks (with solid or pneumatic tires) and trucks such as storage areas, manufacturing units and logistics warehouses etc.

LOAD CAPACITY TEST RESULTS FOR CONTINUOUS LOAD:

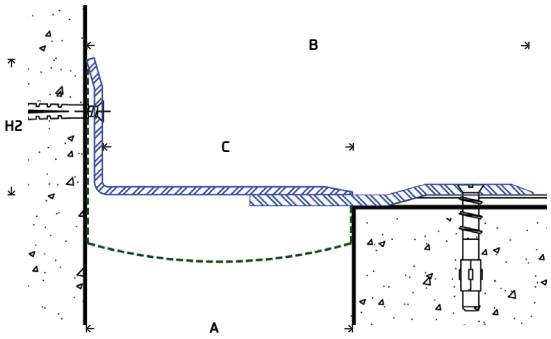
2FAS.HD-IN 200 with 5mm thick plates: 48,56kN

(Detailed third-party test available)

-> Separate compatible water- & fire-barriers available <-



2FAS.HD-IN



2FAS.HD-IN/C

TYPE	"A"	"B"	"C"	"H1"	"H2"	Plate thickness	Total Movement
2FAS.HD-IN 100	100	250	100	62	-	4-6	100 [-50+50]
2FAS.HD-IN 125	125	273	130	62	-	4-6	90 [-40+50]
2FAS.HD-IN 150	150	360	180	62	-	4-6	160 [-80+80]
2FAS.HD-IN 175	175	384	180	62	-	4-6	150 [-50+100]
2FAS.HD-IN 200	200	450	250	62	-	4-6	200[-100+100]
2FAS.HD-IN/C 100	100	174	95	-	60	4-6	50 [-25+25]
2FAS.HD-IN/C 125	125	200	120	-	60	4-6	75 [-25+50]
2FAS.HD-IN/C 150	150	224	130	-	60	4-6	120 [-40+80]
2FAS.HD-IN/C 175	175	250	145	-	60	4-6	130 [-50+70]
2FAS.HD-IN/C 200	200	274	170	-	60	4-6	150 [-50+100]

Dimensions in mm

Various cover plate widths available to match movement requirements other than shown above

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 48,49,50,51

Type F-HD 20

Use: Expansion joint covers for non-completed floors in areas with high load capacity requirements.

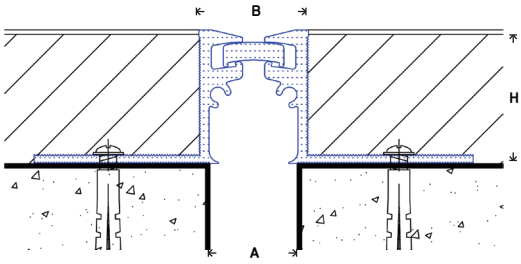
Material: Mill finish or clear-anodized aluminium alloy 60.63-T5 with non-skid striated visible surface.

Load capacity: Pedestrian & vehicular traffic. Suitable for installation in areas with forklift trucks (with solid or pneumatic tires).

Load capacity test results: **- For uniform load: 1,2kN**
- For concentrated load: 6kN

(Complete test report from independent laboratory available upon request).

-> Separate compatible water- & fire-barriers available <-



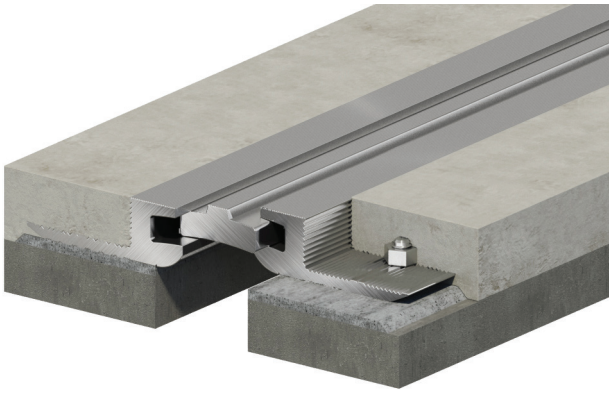
F-HD 20

TYPE	"A"	"B"	"H"	Total Movement
F-HD 20/20	20	25	20	10
F-HD 20/30	20	25	30	10
F-HD 20/45	20	25	45	10

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 43,45,47,52

Type F-HD



Use: Expansion joint covers for non-completed floors in areas with very high load capacity requirements. Product type F-HD 40 can be installed on completed floors when an extra groove is formed on the joint (2nd drawing.)

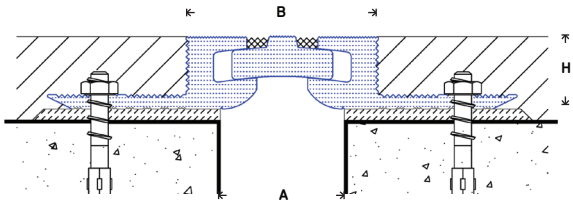
Material: Mill finish or clear-anodized aluminium alloy 60.63-T5 with non-skid striated visible surface.

Load capacity: Heavy duty traffic. Very high load capacity assembly suitable for installation in areas with forklift trucks (with solid or pneumatic tires) and trucks such as storage areas, manufacturing units and logistics warehouses etc.

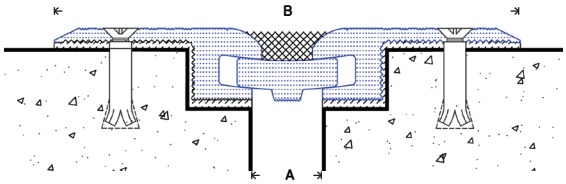
Load capacity test results for F-HD 40: **For uniform load: 174kN**

(Complete test report from independent laboratory available upon request. Test reports for other sizes available upon request).

-> Separate compatible water- & fire-barriers available <-



F-HD



F-HD (with groove)

TYPE	"A"	"B"	"H"	Total Movement
F-HD 40	40/50	65	25	20
F-HD 75	75	111	30	32
F-HD 100	100	136	30	32
FAS-HD 65	40/50	155	25	20

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 43,45,47,52

Type 2F-HD

Use: Expansion joint covers for non-completed floors in areas with very high load capacity requirements.

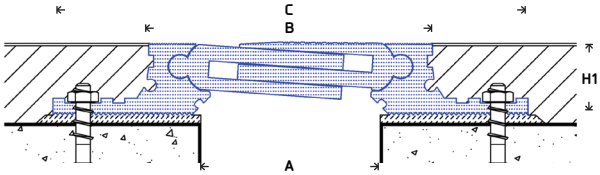
Material: Mill finish or clear-anodized aluminium alloy 60.63-T5 with non-skid striated visible surface.

Load capacity: Heavy duty traffic. Very high load capacity assembly suitable for installation in areas with forklift trucks (with solid or pneumatic tires) and trucks such as storage areas, manufacturing units and logistics warehouses etc.

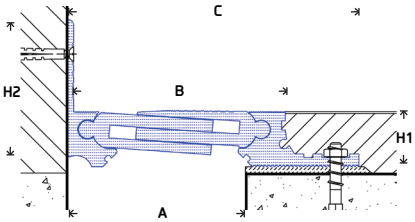
-> Separate compatible water- & fire-barriers available <-

LOAD CAPACITY TEST RESULTS FOR UNIFORM LOAD	2F-HD 50: 113kN 2F-HD 75: 110kN 2F-HD 100: 101kN

(Detailed third-party test report available)



2F-HD



2F-HD/C

TYPE	"A"	"B"	"C"	"D"	"H"	Total Movement
2F-HD 50	50	84	160	28	-	30
2F-HD 75	75	130	210	30	-	50
2F-HD 100	100	150	240	30	-	50
2F-HD 150	150	164	275	30	-	60
2F-HD/C 50	50	78	115	28	75	20
2F-HD/C 75	75	115	158	30	75	35
2F-HD/C 100	100	138	194	30	75	50
2F-HD/C 150	150	156	258	30	75	60

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 43,45,47,52

Type 2FAS-HD

Use: Expansion joint covers for completed floors in areas with very high load capacity requirements.

Material: Mill finish or clear-anodized aluminium alloy 60.63-T5 with non-skid striated visible surface and beveled edges for smooth rolling.

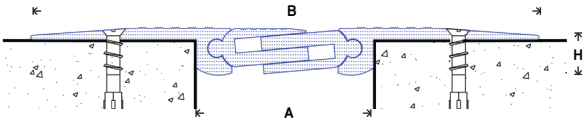
Load capacity: Heavy duty traffic. Very high load capacity assembly suitable for installation in areas with forklift trucks (with solid or pneumatic tires) and trucks such as storage areas, manufacturing units and logistics warehouses etc.

<u>Load capacity of type 2FAS-HD 150 under non-moving load:</u> **44,8kN**

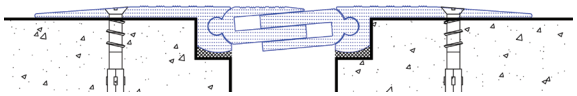
(Complete load capacity test from independent third-party laboratory available upon request).

When 2FAS-HD products are installed into recess (as shown on the second drawing) their load capacity values are equal to those of 2F-HD series.

-> Separate compatible water- & fire-barriers available <-



2FAS-HD



2FAS-HD

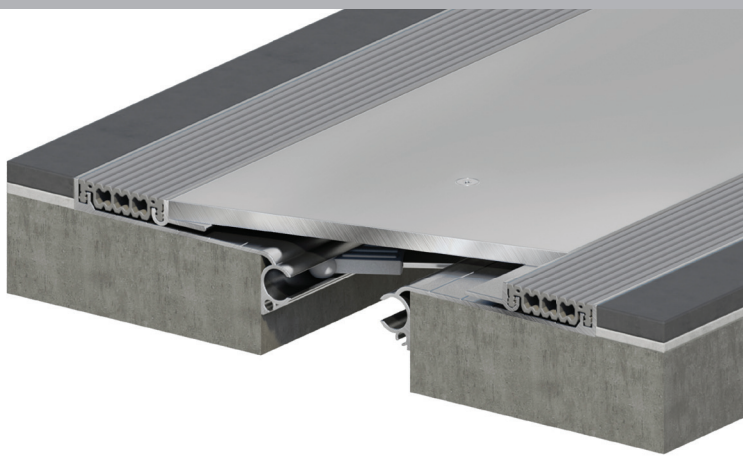
TYPE	"A"	"B"	"H"	Total Movement
2FAS-HD 80	80	230	21	32
2FAS-HD 100	100	260	21	55
2FAS-HD 125	125	268	23	55
2FAS-HD 150	150	308	27	72

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 43,45,47,52

FLOOR JOINT PROFILES ☐ Type F.CGP

Seismic movement up to ±50% – Installation on completed floors

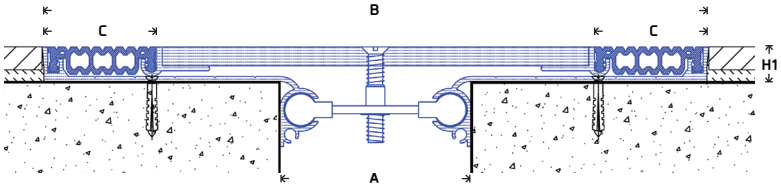


Use: Expansion joint covers for floors. Suitable for wide joints with recess-type design allowing installation on completed floors with small repair works. Aluminium center-plate can be left exposed or covered with the floor finish.

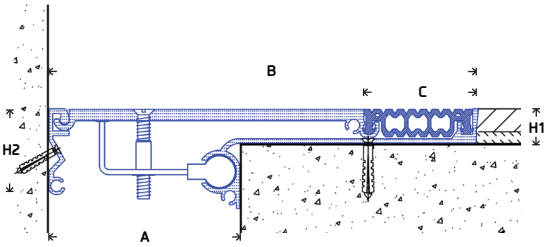
Material:
- Frames made of mill-finish aluminium alloy 60.63-T5. Aluminium center-plate available in thickness of 6, 8 & 10mm.
- Centering bars made of steel or stainless-steel blades and nylon end balls.
- Replaceable inserts made of UV-PVC or Santoprene TPV in black, grey or beige (other colors available upon request). PVC insert also available with anti-microbial composition upon request.

Load capacity: Pedestrian and service equipment traffic. Complete load capacity test reports from independent third-party laboratory available upon request.

-> Separate compatible water- & fire-barriers available <-



F.CGP



F.CGP/C

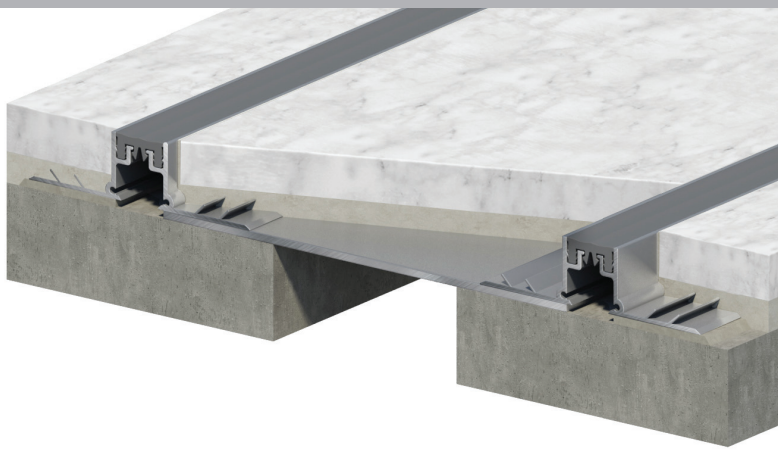
TYPE	"A"	"B"	"C"	"H1"	"H2"	Total Movement
F.CGP 100	100	288	57	18	-	±50%
F.CGP 150	150	332	57	18	-	±50%
F.CGP 200	200	410	57	18	-	±50%
F.CGP 250	250	490	57	18	-	±50%
F.CGP 300	300	564	57	18	-	±50%
F.CGP 350	350	648	57	18	-	±50%
F.CGP 400	400	722	57	18	-	±50%
F.CGP 450	450	780	57	18	-	±50%
F.CGP 500	500	872	57	18	-	±50%
F.CGP/C 100	100	256	57	18	44	±35%
F.CGP/C 150	150	275	57	18	44	±35%
F.CGP/C 200	200	306	57	18	44	±35%
F.CGP/C 250	250	375	57	18	44	±35%
F.CGP/C 300	300	428	57	18	44	±35%
F.CGP/C 350	350	500	57	18	44	±35%
F.CGP/C 400	400	572	57	18	44	±35%
F.CGP/C 450	450	640	57	18	44	±35%
F.CGP/C 500	500	712	57	18	44	±35%

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 53,56

FLOOR JOINT PROFILES ☐ Type F.BRG

Joints up to 500mm – Narrow visible surface

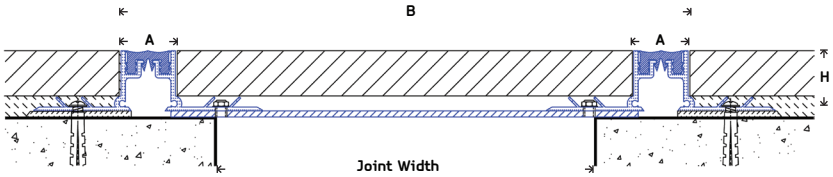


Use: Expansion joint covers for installation on non-completed floors. Suitable for joint gaps up to 500mm offering minimum visible profile widths.

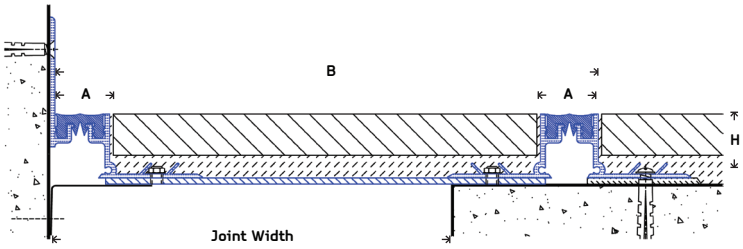
Material:
- Frames made of mill-finish aluminium alloy 60.63-T5.
- Replaceable inserts made of UV-PVC or Santoprene TPV in black, grey or beige (other colors available upon request). PVC insert also available with anti-microbial composition upon request.
- Bridging plate made of aluminium or zinc-coated steel.

Load capacity: Pedestrian traffic.

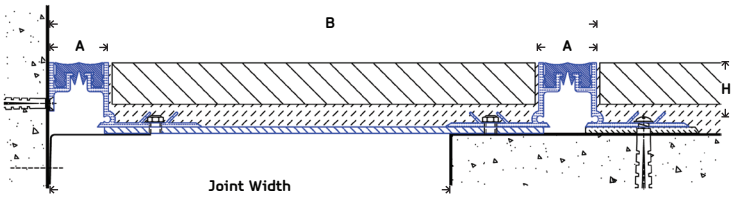
-> Separate compatible water- & fire-barriers available <-



F.BRG



F.BRG/C1



F.BRG/C2

TYPE	"Joint Width"	"A"	"B"	"H"	Total Movement
F.BRG 20	50-500	20	Depends on joint gap width and architectural requirements	12, 17, 30	24
F.BRG 30	50-500	30		12, 17, 31	40
F.BRG 50	50-500	56		18, 33	60
F.BRG 60	50-500	64		35	60
F.BRG 75	50-500	75		35	72
F.BRG 100	50-500	115		35	68

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 53,56

FLOOR JOINT PROFILES ☐ Type F.BRG-AL

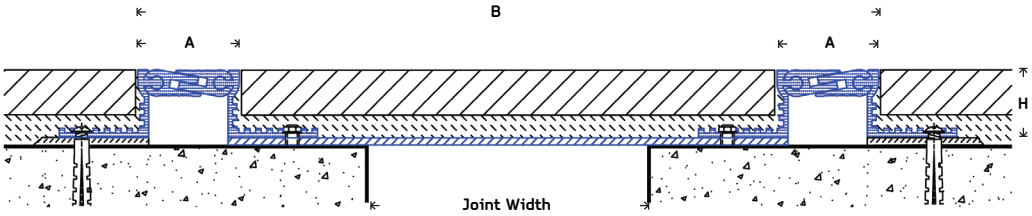
Joints up to 500mm – Narrow visible surface

Use: Expansion joint covers for installation on non-completed floors. Suitable for joint gaps up to 500mm offering minimum visible profile widths.

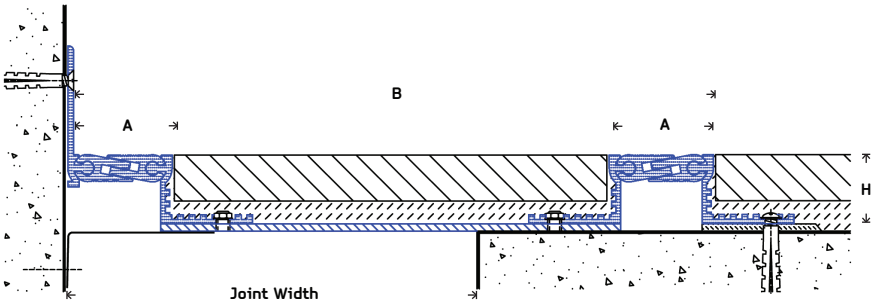
Material: - Frames made of mill-finish aluminium alloy 60.63-T5.
- Bridging plate made of aluminium or zinc-coated steel.

Load capacity: Pedestrian traffic.

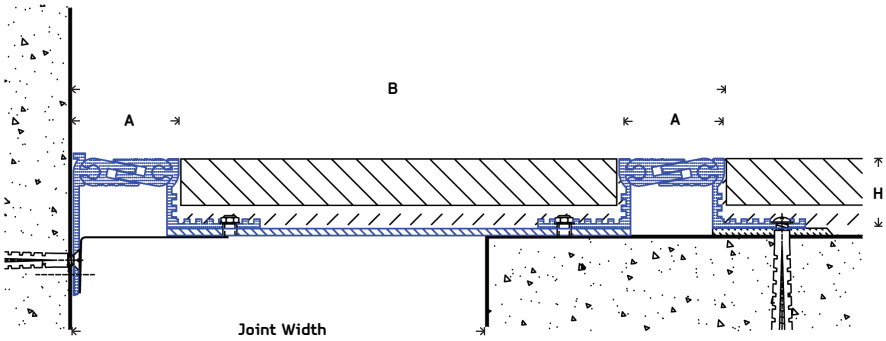
-> Separate compatible water- & fire-barriers available <-



F.BRG-AL



F.BRG-AL/C1



F.BRG-AL/C2

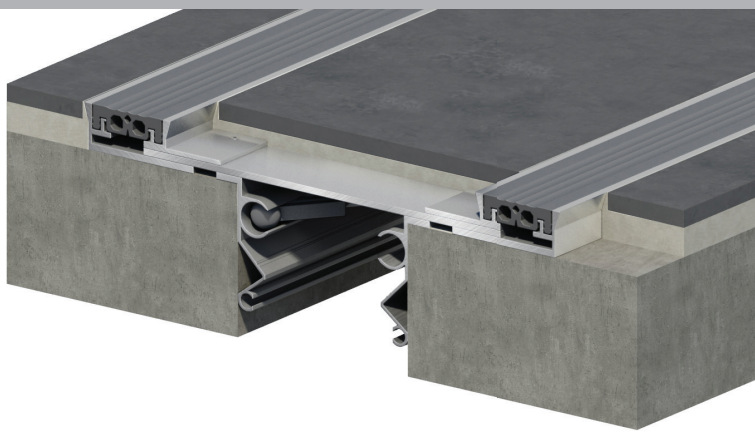
TYPE	"Joint Width"	"A"	"B"	"H"	Total Movement
F.BRG-AL 35	50-500	45	Depends on joint gap width and architectural requirements	16, 30	26
F.BRG-AL 50	50-500	60		16, 30	32
F.BRG-AL 100	50-500	114		17, 30	80
F.BRG-AL 150	50-500	164		17, 30	160

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 53,56

FLOOR JOINT PROFILES ☐ Type F.BRG-S

Seismic movement – Narrow visible surface – Installation on completed floors

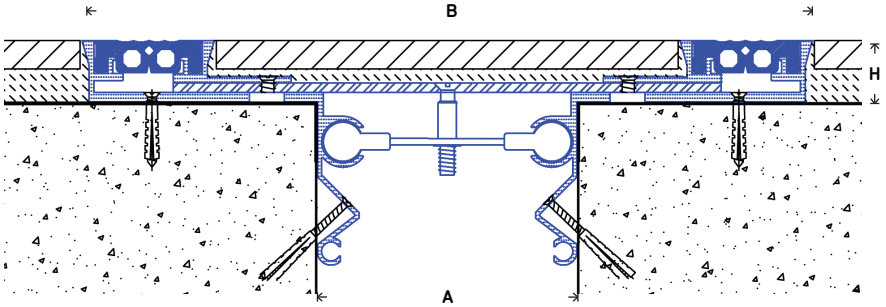


Use: Expansion joint covers for floors. Suitable for structures where wider joints with limited visible profile widths are required. Recess-type design allows installation on completed floors with small repair works.

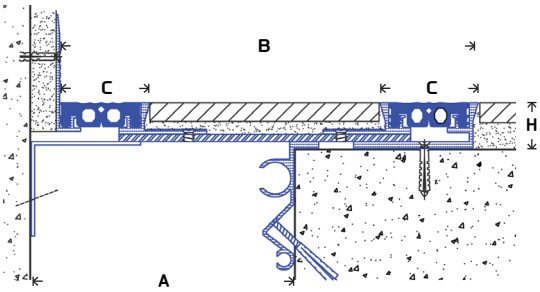
Material:
- Frames made of mill-finish aluminium alloy 60.63-T5.
- Centering bars made of steel or stainless-steel blades and nylon end balls.
- Replaceable inserts made of UV-PVC or Santoprene TPV in black, grey or beige (other colors available upon request). PVC insert also available with anti-microbial composition upon request.

Load capacity: Pedestrian and service equipment traffic.

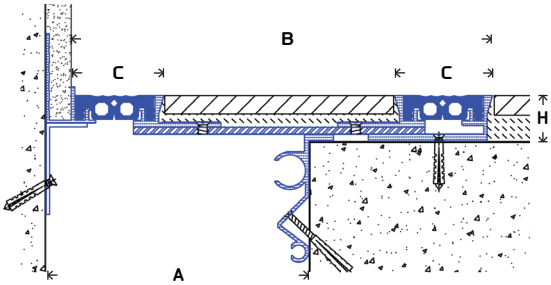
-> Separate compatible water- & fire-barriers available <-



F.BRG-S



F.BRG-S/C1



F.BRG-S/C2

TYPE	"A"	"B"	"C"	"H"	Total Movement
F.BRG-S 100	100	310	56	26	170 [-40+130]
F.BRG-S 150	150	360	56	26	170 [-40+130]
F.BRG-S 200	200	410	56	26	170 [-40+130]
F.BRG-S 250	250	460	56	26	170 [-40+130]
F.BRG-S 300	300	510	56	26	170 [-40+130]
F.BRG-S 350	350	560	56	26	170 [-40+130]
F.BRG-S 400	400	610	56	26	170 [-40+130]
F.BRG-S 450	450	660	56	26	170 [-40+130]
F.BRG-S/C 100	100	191	56	26	105 [-40+65]
F.BRG-S/C 150	150	241	56	26	105 [-40+65]
F.BRG-S/C 200	200	291	56	26	105 [-40+65]
F.BRG-S/C 250	250	341	56	26	105 [-40+65]
F.BRG-S/C 300	300	391	56	26	105 [-40+65]
F.BRG-S/C 350	350	441	56	26	105 [-40+65]
F.BRG-S/C 400	400	491	56	26	105 [-40+65]
F.BRG-S/C 450	450	541	56	26	105 [-40+65]

Dimensions in mm

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 53,56

FLOOR JOINT PROFILES ☐ Type 2F.BRG-AL

Seismic movement - Excellent Appearance – Narrow visible surface

Use: Expansion joint covers for installation on non-completed floors. Suitable for applications where architectural requirements call for minimum visible profile widths. Design of frames allows floor finishes up to 45mm thick.

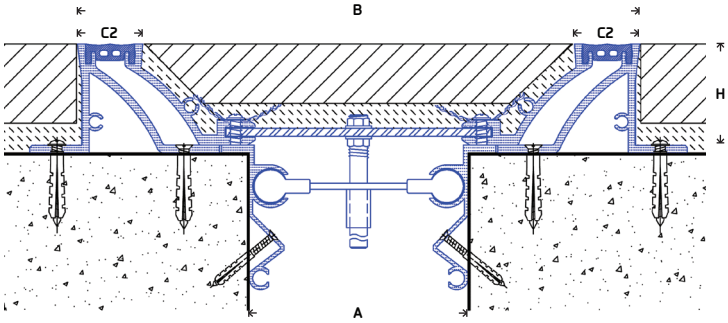
Material:
- Frames made of mill-finish aluminium alloy 60.63-T5.
- Centering bars made of steel or stainless-steel blades and nylon end balls.
- Replaceable inserts made of UV-PVC or Santoprene TPV in black, grey or beige (other colors available upon request). PVC insert also available with anti-microbial composition upon request. Inserts can be replaced with mastic sealant with backing rod upon request.

Load capacity: Pedestrian and service equipment traffic. Complete load capacity test reports from independent third-party laboratory available upon request.

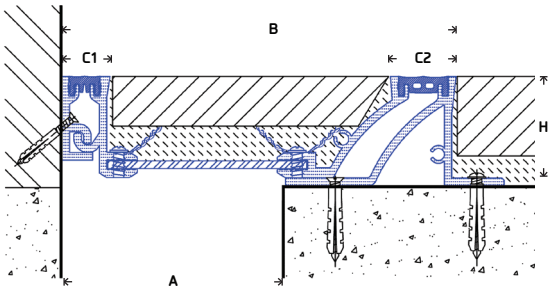
LOAD CAPACITY TEST RESULTS FOR CONTINUOUS LOAD	
- 2F.BRG-AL 150:	50kN
- 2F.BRG-AL 300:	58,80kN

(Detailed third-party test report available).

-> Separate compatible water- & fire-barriers available <-



2F.BRG-AL



2F.BRG-AL/C

TYPE	"A"	"B"	"C1"	"C2"	"H"	Total Movement*
2F.BRG-AL 100	100	254	15	25	35 & 55	150 [-50+100]
2F.BRG-AL 125	125	272	15	25	35 & 55	165 [-85+80]
2F.BRG-AL 150	150	309	15	25	35 & 55	210[-110+100]
2F.BRG-AL 175	175	329	15	25	35 & 55	235[-135+100]
2F.BRG-AL 200	200	354	15	25	35 & 55	260[-160+100]
2F.BRG-AL 250	250	405	15	25	35 & 55	290 [-210+80]
2F.BRG-AL 300	300	454	15	25	35 & 55	340 [-260+80]
2F.BRG-AL/C 100	100	162	15	25	35 & 55	100 [-50+50]
2F.BRG-AL/C 125	125	187	15	25	35 & 55	100 [-75+25]
2F.BRG-AL/C 150	150	212	15	25	35 & 55	125 [-100+25]
2F.BRG-AL/C 175	175	237	15	25	35 & 55	150 [-125+25]
2F.BRG-AL/C 200	200	262	15	25	35 & 55	175 [-150+25]
2F.BRG-AL/C 250	250	312	15	25	35 & 55	225 [-200+25]
2F.BRG-AL/C 300	300	362	15	25	35 & 55	275 [-250+25]

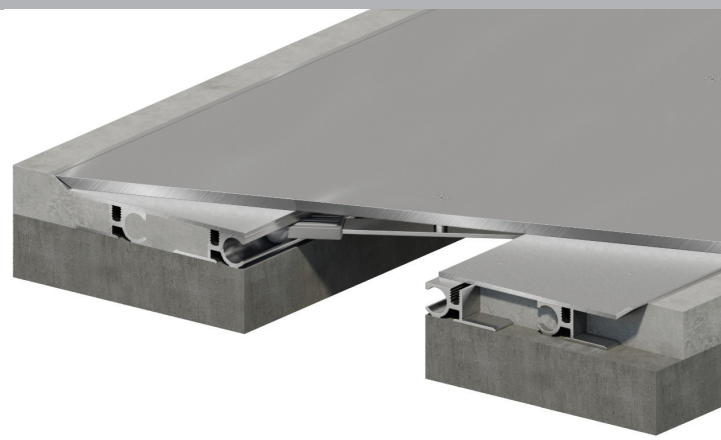
Dimensions in mm

*Stated movement values apply for given total visible widths. Custom movements available upon request

FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 53,54,56

FLOOR JOINT PROFILES ☐ Type F.SHD

Seismic movement up to ±50% – for joints up to 500mm – Narrow visible width

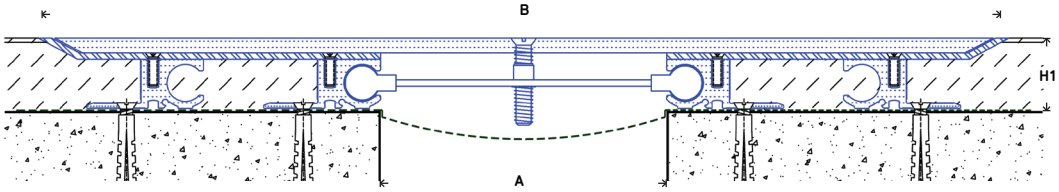


Use: Expansion joint covers for floors. Depending on the type of area, various flooring materials (ceramic tiles, wood panels, etc.) can be used to cover or replace the center-plate hence making this assembly almost non-visible. Suitable for very wide joints. Center-bars assembly allows accommodation of seismic movement.

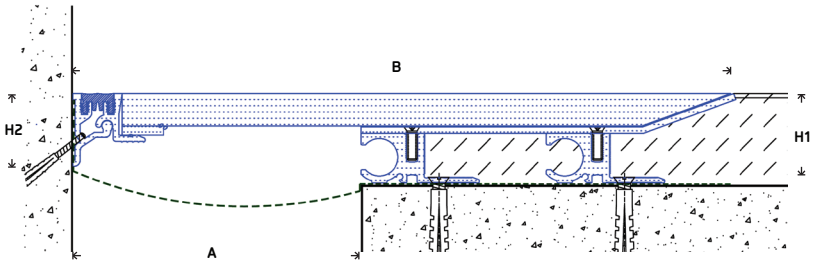
Material:
- Frames made of mill-finish aluminium alloy 60.63-T5.
- Side plates made of stainless steel or aluminium.
- Center plate made of stainless steel or aluminium with various thicknesses. Depending on project requirements center-plates can be covered with floor finish material.
- Centering bars made of steel or stainless-steel blades and nylon end balls.

Load capacity: Pedestrian, light vehicles and service equipment traffic.

-> Separate compatible water- & fire-barriers available <-



F.SHD



F.SHD/C

TYPE	"A"	"B"	"H1"	"H2"	Total Movement
F.SHD 200	200	580	30-38	-	±50%
F.SHD 250	250	645	30-38	-	±50%
F.SHD 300	300	708	30-38	-	±50%
F.SHD 350	350	780	30-38	-	±50%
F.SHD 400	400	812	30-38	-	±50%
F.SHD 450	450	880	30-38	-	±50%
F.SHD 500	500	939	30-38	-	±50%
F.SHD/C 200	200	380	30-38	35	±50%
F.SHD/C 250	250	447	30-38	35	±50%
F.SHD/C 300	300	506	30-38	35	±50%
F.SHD/C 350	350	577	30-38	35	±50%
F.SHD/C 400	400	613	30-38	35	±50%
F.SHD/C 450	450	676	30-38	35	±50%
F.SHD/C 500	500	733	30-38	35	±50%

Dimensions in mm

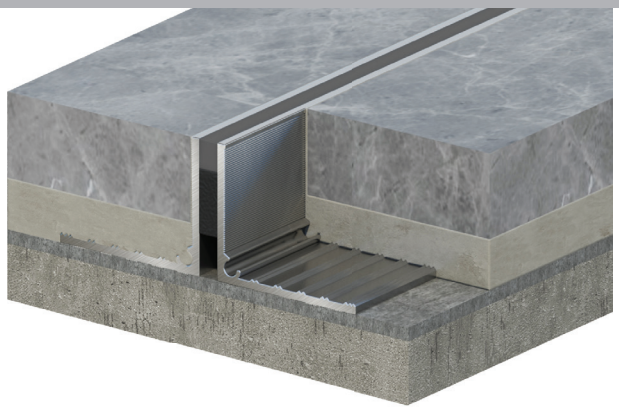
FOR MATCHING WALL & CEILING EXPANSION JOINT COVERS PLEASE SEE PAGES 49,50,54

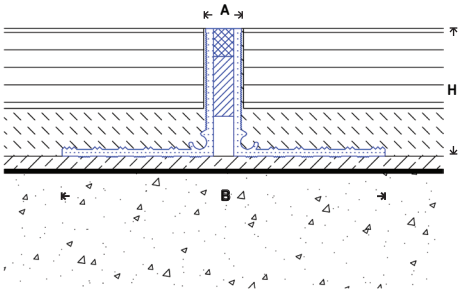
Type FCT-AL

Use: Control joints for installation on non-completed floors. Suitable for all kinds of tiles, natural or resin-agglomerated (stone, marble, granite etc.).
NOTE: Movement joint frequency and spacing depend on tile material and performance conditions. The standard and most common bay size is 36sq.m though it is recommended that the tile manufacturer should be asked for more information.

Material: - Frames made of mill-finish aluminium alloy 60.63-T5. For heavy duty applications stainless steel side-angles are also available.
- Infill made of high-performance, one-component with high elasticity in grey, black, brown and beige (other colors available upon request). Depending on product height non-visible EPDM foam tape may be required.

Load capacity: Pedestrian traffic and vehicular traffic.





FCT-AL

TYPE	"A"	"B"	"H"	Total Movement
FCT 14	9-10	38	14	6 [-4+2]
FCT 32	9-10	38	32	6 [-4+2]
FCT 42	9-10	42	42	6 [-4+2]

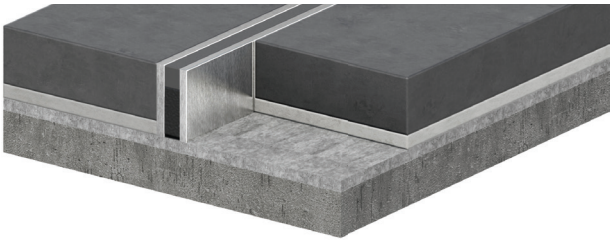
Dimensions in mm

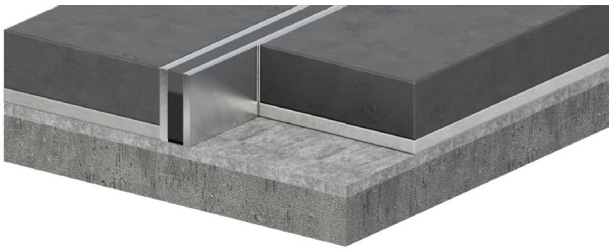
Type 2FCT-AL, 2FCT-IN, 2FCT-BR

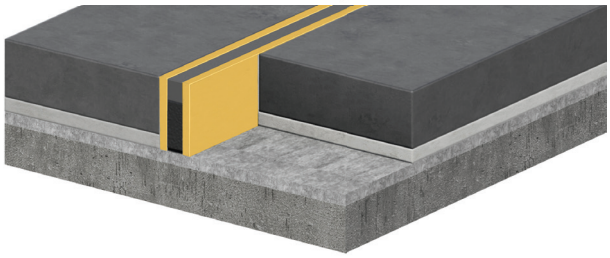
Use: Control joints for installation on completed floors. Suitable for all kinds of tiles, natural or resin-agglomerated (stone, marble, granite etc.).
NOTE: Movement joint frequency and spacing depend on tile material and performance conditions. The standard and most common bay size is 36sq.m though it is recommended that the tile manufacturer should be asked for more information.

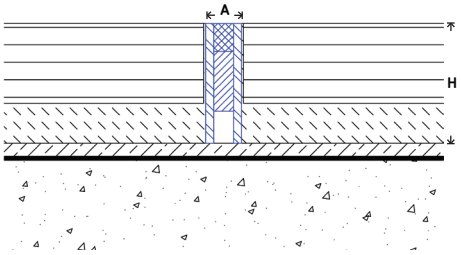
Material: - Side frames available in various materials:
2FCT-AL: aluminium alloy 60.63-T5
2FCT-IN: stainless steel AISI 304
2FCT-BR: brass OT63
- Infill made of high-performance, one-component with high elasticity in grey, black, brown and beige (other colors available upon request). Depending on product height non-visible EPDM foam tape may be required.

Load capacity: Pedestrian traffic & vehicular traffic.









2FCT-AL

TYPE	"A"	"H"	Side plate thickness	Total Movement
2FCT-AL 10	9-10	10	2-4	6 [-4+2]
2FCT-AL 12	9-10	12	2-4	6 [-4+2]
2FCT-AL 15	9-10	15	2-4	6 [-4+2]
2FCT-AL 20	9-10	20	2-4	6 [-4+2]
2FCT-AL 30	9-10	30	2-4	6 [-4+2]
2FCT-AL 40	9-10	40	2-4	6 [-4+2]

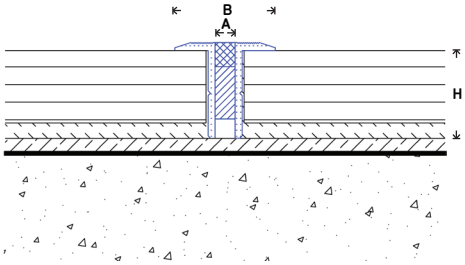
Dimensions in mm

Type 3FCT-AL

Use: Control joints for installation on completed floors. Suitable for all kinds of tiles, natural or resin-agglomerated (stone, marble, granite etc.). The T-shape design allows it to be used as a diving strip between different floor finish materials.
NOTE: Movement joint frequency and spacing depend on tile material and performance conditions. The standard and most common bay size is 36sq.m though it is recommended that the tile manufacturer should be asked for more information.

Material: - Frames made of mill-finish or clear-anodised aluminium alloy 60.63-T5.
- Infill made of high-performance, one-component with high elasticity in grey, black, brown and beige (other colors available upon request).
Depending on product height non-visible EPDM foam tape may be required.

Load capacity: Pedestrian traffic.

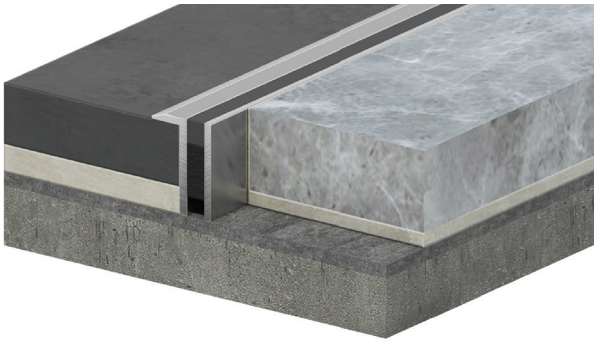


3FCT-AL

TYPE	"A"	"B"	"H"	Total Movement
3FCT-AL 11	9-10	30	11	6 [-4+2]
3FCT-AL 22	9-10	30	22	6 [-4+2]
3FCT-AL 33	9-10	30	33	6 [-4+2]
3FCT-AL 38	9-10	30	38	6 [-4+2]

Dimensions in mm

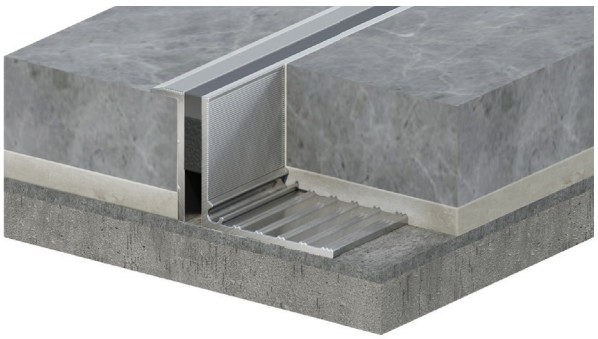
Type 4FCT-AL, 4FCT-AL a

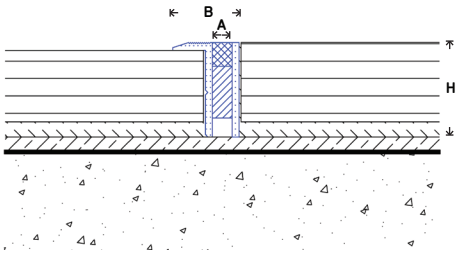


Use: Control joints for installation on completed (type 4FCT-AL) or non-completed (type 4FCT-ALa) floors. Suitable for all kinds of tiles, natural or resin-agglomerated (stone, marble, granite etc.). Type 4FCT-AL can be used as a diving strip between different floor finish materials or to cover damaged tile edges.
NOTE: Movement joint frequency and spacing depend on tile material and performance conditions. The standard and most common bay size is 36sq.m though it is recommended that the tile manufacturer should be asked for more information.

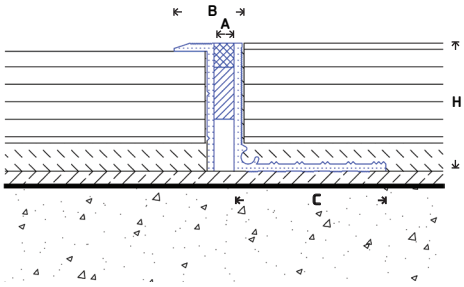
Material: - Frames made of mill-finish or clear-anodised aluminium alloy 60.63-T5.
- Infill made of high-performance, one-component with high elasticity in grey, black, brown and beige (other colors available upon request).
Depending on product height non-visible EPDM foam tape may be required.

Load capacity: Pedestrian traffic.





4FCT-AL



4FCT-AL a

TYPE	"A"	"B"	"C"	"H"	Total Movement
4FCT-AL 10, 4FCT-ALa 10	9-10	22	38	10	6 [-4+2]
4FCT-AL 15, 4FCT-ALa 15	9-10	22	38	15	6 [-4+2]
4FCT-AL 20, 4FCT-ALa 20	9-10	22	38	20	6 [-4+2]
4FCT-AL 25, 4FCT-ALa 25	9-10	22	38	25	6 [-4+2]
4FCT-AL 35, 4FCT-ALa 35	9-10	22	38	35	6 [-4+2]
4FCT-AL 40, 4FCT-ALa 40	9-10	22	38	40	6 [-4+2]

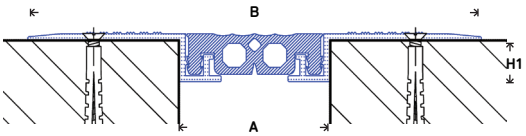
Dimensions in mm

Type 2W.AP – Installation on completed surfaces

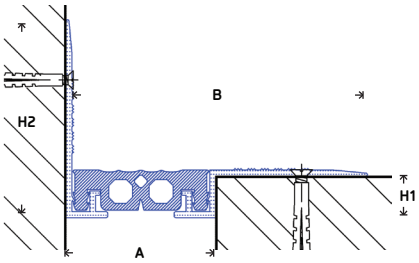
Use: Interior joints on completed walls and ceilings. Suitable for most common types of finish materials (plaster, tiles, gypsum board etc.). All products of this series match 3FAS-AM floor covers offering uniform appearance along the joint.

Material: - Side-frames made of mill finish or clear-anodized aluminium alloy 60.63-T5.
- Replaceable inserts made of UV-PVC or Santoprene TPV in grey or beige (other colors available upon request).

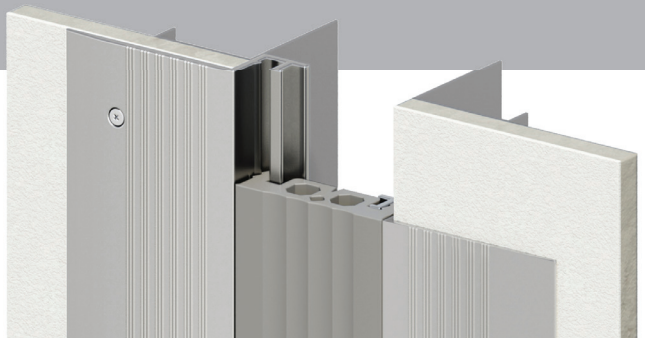
-> Separate compatible fire-barrier available <-



2W.AP



2W.AP/C



TYPE	"A"	"B"	"H1"	"H2"	Total Movement*
2W.AP 20	20	93	16	-	12
2W.AP 30	30	111	16	-	20
2W.AP 50	50	152	17	-	30
2W.AP 60	60	172	19	-	30
2W.AP 75	75	187	19	-	36
2W.AP 100	100	227	33	-	34
2W.AP 125	125	225	17	-	64
2W.AP 150	150	250	17	-	90
2W.AP/C 20	20	55	16	37	12
2W.AP/C 30	30	69	16	63	20
2W.AP/C 50	50	99	17	69	30
2W.AP/C 60	60	114	30	68	30
2W.AP/C 75	75	121	30	68	36
2W.AP/C 100	100	161	33	87	34
2W.AP/C 125	125	171	17	69	64
2W.AP/C 150	150	196	17	69	90

Dimensions in mm

* Movements do not take into consideration PVC or Santoprene elongation at break (ISO R527)

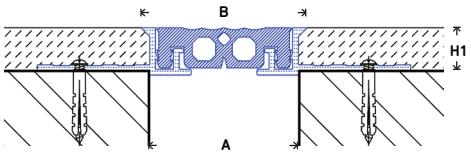
FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGE 8

Type 2W.BP – Flush Installation

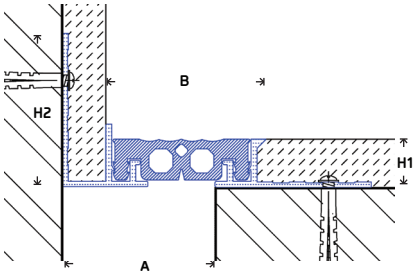
Use: Interior joints on walls and ceilings with 13mm thick drywalls gypsum boards or for installation before plastering. All products of this series match 3F-AM floor covers offering uniform appearance along the joint.

Material: - Side-frames made of mill finish or clear-anodized aluminium alloy 60.63-T5.
- Replaceable inserts made of UV-PVC or Santoprene TPV in grey or beige (other colors available upon request).

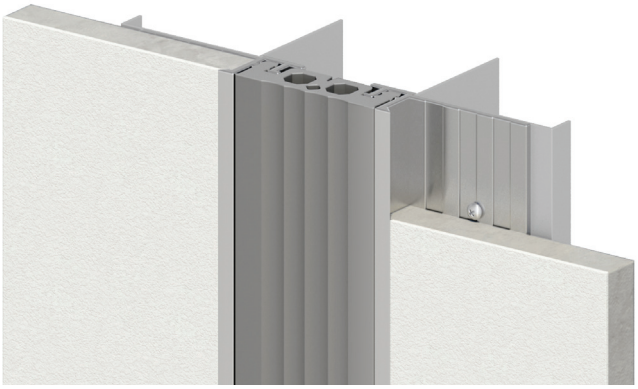
-> Separate compatible fire-barrier available <-



2W.BP



2W.BP/C



TYPE	"A"	"B"	"C"	"H1"	"H2"	Total Movement*
2W.BP 20	20	25	37	12	-	15
2W.BP 30	30	35	37	13	-	20
2W.BP 50	50	56	35	13	-	30
2W.BP 60	60	69	35	13	-	30
2W.BP 75	75	84	35	13	-	36
2W.BP 100	100	111	32	13	-	34
2W.BP 125	125	140	35	13	-	64
2W.BP 150	150	165	35	13	-	90
2W.BP/C 20	20	22	37	10	40	15
2W.BP/C 30	30	32	37	13	51	20
2W.BP/C 50	50	53	35	13	51	30
2W.BP/C 60	60	61	35	13	51	30
2W.BP/C 75	75	78	35	13	51	36
2W.BP/C 100	100	105	32	13	40	34
2W.BP/C 125	125	130	35	13	51	64
2W.BP/C 150	150	155	35	13	51	90

Dimensions in mm

* Movements do not take into consideration PVC or Santoprene elongation at break (ISO R527)

FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGE 8

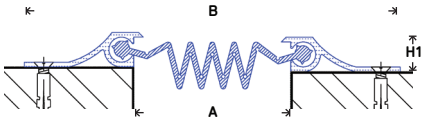
Type W.AP

Use: Exterior and interior joints on completed walls and ceilings. Suitable for most common types of finish materials (plaster, tiles, gypsum board etc.).

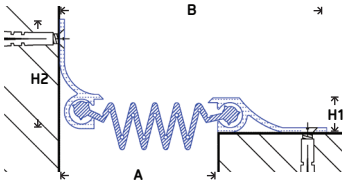
Assembly can be used on suspended ceilings applications with product name W.AP/CC. The same dimensions with W.AP/C apply.

Material: - Side-frames made of mill finish or clear-anodized aluminium alloy 60.63-T5.
- Replaceable inserts made of UV-PVC or Santoprene TPV in grey or beige (other colors available upon request).

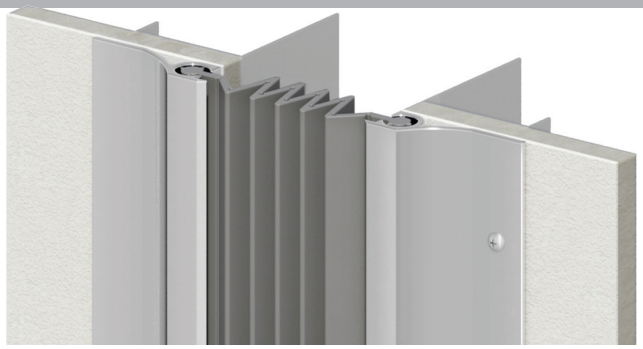
-> Separate compatible fire-barrier available <-



W.AP



W.AP/C



TYPE	"A"	"B"	"H1"	"H2"	Total Movement*
W.AP 25	25	95	11	-	55
W.AP 50	50	120	11	-	100
W.AP 75	75	145	11	-	150
W.AP 100	100	170	11	-	200
W.AP 125	125	195	11	-	250
W.AP 150	150	220	11	-	300
W.AP/C 25	25	70	11	35	150
W.AP/C 50	50	85	11	35	200
W.AP/C 75	75	110	11	35	250
W.AP/C 100	100	135	11	35	300
W.AP/C 125	125	160	11	35	350
W.AP/C 150	150	185	11	35	400

Dimensions in mm

* Movements do not take into consideration PVC or Santoprene elongation at break (ISO R527)

FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGES 11,12,13,14

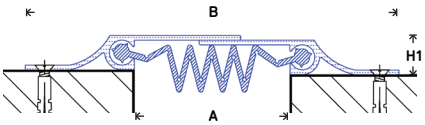
Type W+P.AP

Use: Exterior and interior joints on completed walls and ceilings. Suitable for most common types of finish materials (plaster, tiles, gypsum board etc.).

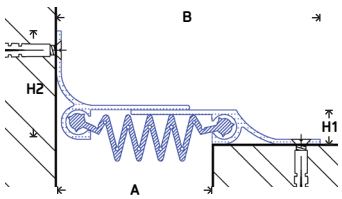
Assembly can be used without moisture barrier with product name W.AP-AL. The same dimensions with W+P.AP apply.

Material: - Side-frames made of mill finish or clear-anodized aluminium alloy 60.63-T5.
- Non-visible moisture barrier made of UV-PVC or Santoprene TPV in grey or beige (other colors available upon request).

-> Separate compatible fire-barrier available <-



W+P.AP



W+P.AP/C

TYPE	"A"	"B"	"H1"	"H2"	Total Movement*
W+P.AP 25	25	95	11	-	50
W+P.AP 50	50	120	11	-	60
W+P.AP 75	75	145	11	-	95
W+P.AP 100	100	170	11	-	152
W+P.AP 125	125	195	11	-	185
W+P.AP 150	150	220	11	-	170
W+P.AP 175	175	245	11	-	160
W+P.AP 200	200	270	11	-	160
W+P.AP/C 25	25	70	11	35	50
W+P.AP/C 50	50	85	11	35	60
W+P.AP/C 75	75	120	11	35	95
W+P.AP/C 100	100	135	11	35	152
W+P.AP/C 125	125	160	11	35	185
W+P.AP/C 150	150	185	11	35	170
W+P.AP/C 175	175	210	11	35	150
W+P.AP/C 200	200	235	11	35	150

Dimensions in mm

* Movements do not take into consideration PVC or Santoprene elongation at break (ISO R527)

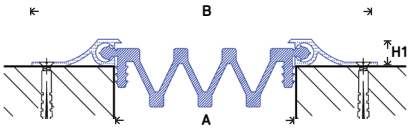
FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGES 11,12,13,14

Type W.AP-LM

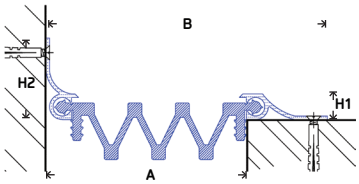
Use: Exterior and interior joints on completed walls and ceilings.
Suitable for most common types of finish materials (plaster, tiles, gypsum board etc.).

Material: - Side-frames made of mill finish or clear-anodized aluminium alloy 60.63-T5.
- Replaceable inserts made of UV-PVC or Santoprene TPV in grey or beige (other colors available upon request).

-> Separate compatible fire-barrier available <-



W.AP-LM



W.AP-LM/C

TYPE	"A"	"B"	"H1"	"H2"	Total Movement*
W.AP-LM 50	50	120	11	-	100
W.AP-LM 75	75	150	11	-	150
W.AP-LM 100	100	175	11	-	200
W.AP-LM 150	150	220	11	-	300
W.AP-LM 200	200	270	11	-	400
W.AP-LM/C 50	50	85	11	35	100
W.AP-LM/C 75	75	115	11	35	150
W.AP-LM/C 100	100	135	11	35	200
W.AP-LM/C 150	150	185	11	35	300
W.AP-LM/C 200	200	235	11	35	400

Dimensions in mm

* Movements do not take into consideration PVC or Santoprene elongation at break (ISO R527)

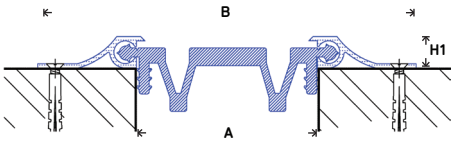
FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGES 11,12,13,15

Type 3W.AP-LM

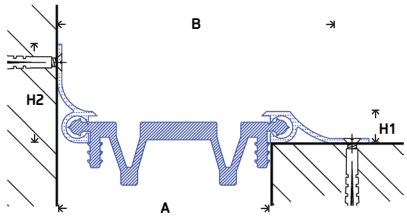
Use: Exterior and interior joints on completed walls and ceilings.
Suitable for most common types of finish materials (plaster, tiles, gypsum board etc.).

Material: - Side-frames made of mill finish or clear-anodized aluminium alloy 60.63-T5.
- Replaceable inserts made of UV-PVC or Santoprene TPV in grey or beige (other colors available upon request).

-> Separate compatible fire-barrier available <-



3W.AP-LM



3W.AP-LM/C

TYPE	"A"	"B"	"H1"	"H2"	Total Movement*
3W.AP-LM 50	50	120	11	-	100
3W.AP-LM 75	75	150	11	-	150
3W.AP-LM 100	100	175	11	-	200
3W.AP-LM 150	150	220	11	-	300
3W.AP-LM 200	200	270	11	-	400
3W.AP-LM/C 50	50	85	11	35	100
3W.AP-LM/C 75	75	115	11	35	150
3W.AP-LM/C 100	100	135	11	35	200
3W.AP-LM/C 150	150	185	11	35	300
3W.AP-LM/C 200	200	235	11	35	400

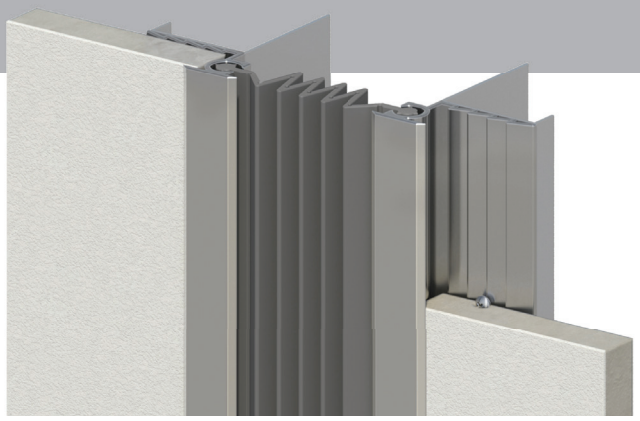
Dimensions in mm

* Movements do not take into consideration PVC or Santoprene elongation at break (ISO R527)

FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGES 11,12,13,15

WALL JOINT COVERS ◺ Types W.BP & W+P.BP

Exterior & interior applications – Flush installation

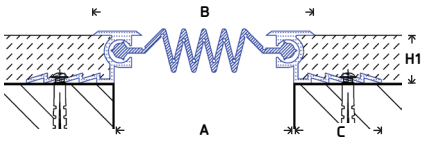


Type W.BP

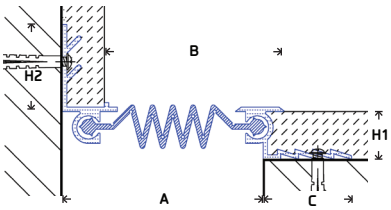
Use: Exterior and interior joints on walls and ceilings with 13mm thick drywalls gypsum boards or for installation before plastering.

Material: - Side-frames made of mill finish or clear-anodized aluminium alloy 60.63-T5. Frames bear zigzag side-flap design for better plaster adherence or gypsum board steadiness.
- Replaceable inserts made of UV-PVC or Santoprene TPV in grey or beige (other colors available upon request).

-> Separate compatible fire-barrier available <-



W.BP



W.BP/C

TYPE	"A"	"B"	"C"	"H1"	"H2"	Total Movement*
W.BP 25	25	52	30	13	-	55
W.BP 50	50	65	30	13	-	75
W.BP 75	75	90	30	13	-	120
W.BP 100	100	115	30	13	-	200
W.BP 125	125	150	30	13	-	245
W.BP 150	150	175	30	13	-	245
W.BP/C 25	25	37	30	13	41	55
W.BP/C 50	50	49	30	13	41	75
W.BP/C 75	75	68	30	13	41	120
W.BP/C 100	100	93	30	13	41	200
W.BP/C 125	125	118	30	13	41	245
W.BP/C 150	150	143	30	13	41	245

Dimensions in mm

* Movements do not take into consideration PVC or Santoprene elongation at break (ISO R527)

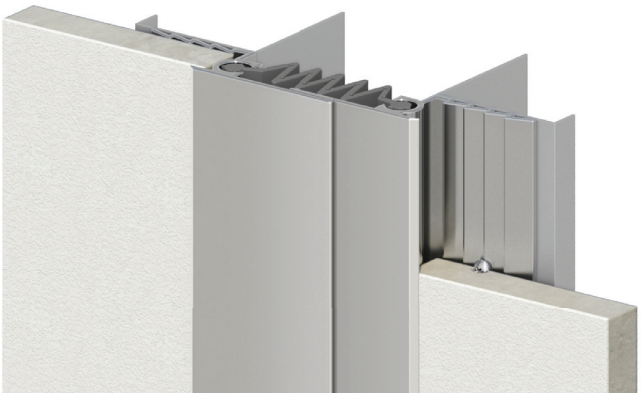
FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGES 16,17,22,23,24

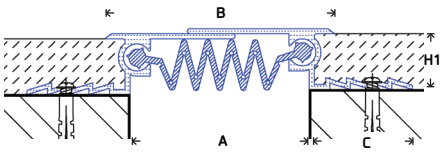
Type W+P.BP

Use: Exterior and interior joints on walls and ceilings with 13mm thick drywalls gypsum boards or for installation before plastering.
Assembly can be used without moisture barrier with product name W.BP-AL. The same dimensions with W+P.BP apply.

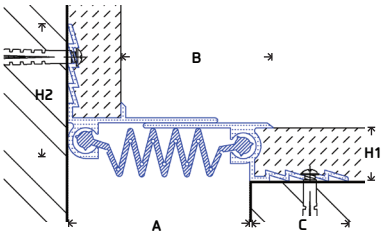
Material: - Side-frames made of mill finish or clear-anodized aluminium alloy 60.63-T5. Frames bear zigzag side-flap design for better plaster adherence or gypsum board steadiness.
- Replaceable inserts made of UV-PVC or Santoprene TPV in grey or beige (other colors available upon request).

-> Separate compatible fire-barrier available <-





W+P.BP



W+P.BP/C

TYPE	"A"	"B"	"C"	"H1"	"H2"	Total Movement*
W+P.BP 25	25	43	30	13	-	50
W+P.BP 50	50	64	30	13	-	60
W+P.BP 75	75	90	30	13	-	95
W+P.BP 100	100	114	30	13	-	152
W+P.BP 125	125	140	30	13	-	185
W+P.BP 150	150	165	30	13	-	170
W+P.BP 175	175	190	30	13	-	160
W+P.BP 200	200	215	30	13	-	160
W+P.BP/C 25	25	30	30	13	41	50
W+P.BP/C 50	50	47	30	13	41	60
W+P.BP/C 75	75	66	30	13	41	95
W+P.BP/C 100	100	91	30	13	41	152
W+P.BP/C 125	125	116	30	13	41	185
W+P.BP/C 150	150	141	30	13	41	170
W+P.BP/C 175	175	175	30	13	41	150
W+P.BP/C 200	200	200	30	13	41	150

Dimensions in mm

* Movements do not take into consideration PVC or Santoprene elongation at break (ISO R527)

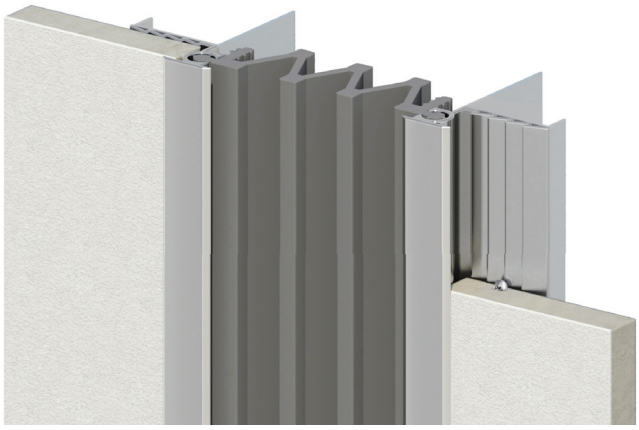
FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGES 16,17,22,23,24

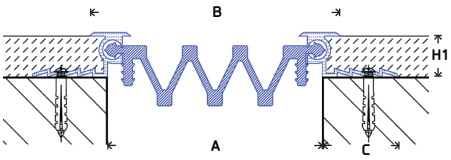
Type W.BP-LM

Use: Exterior and interior joints on walls and ceilings with 13mm thick drywalls gypsum boards or for installation before plastering.

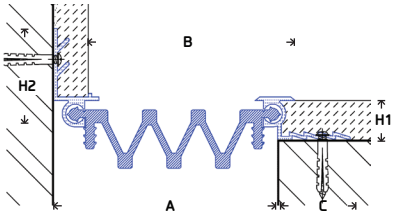
Material: - Side-frames made of mill finish or clear-anodized aluminium alloy 60.63-T5. Frames bear zigzag side-flap design for better plaster adherence or gypsum board steadiness.
- Replaceable inserts made of UV-PVC or Santoprene TPV in grey, beige and black (other colors available upon request).

-> Separate compatible fire-barrier available <-





W.BP-LM



W.BP-LM/C

TYPE	"A"	"B"	"C"	"H1"	"H2"	Total Movement*
W.BP-LM 50	50	120	35	13	-	100
W.BP-LM 75	75	150	35	13	-	150
W.BP-LM 100	100	175	35	13	-	200
W.BP-LM 150	150	220	35	13	-	300
W.BP-LM 200	200	270	35	13	-	400
W.BP-LM/C 50	50	85	35	13	35	100
W.BP-LM/C 75	75	115	35	13	35	150
W.BP-LM/C 100	100	135	35	13	35	200
W.BP-LM/C 150	150	185	35	13	35	300
W.BP-LM/C 200	200	235	35	13	35	400

Dimensions in mm

* Movements do not take into consideration PVC or Santoprene elongation at break (ISO R527)

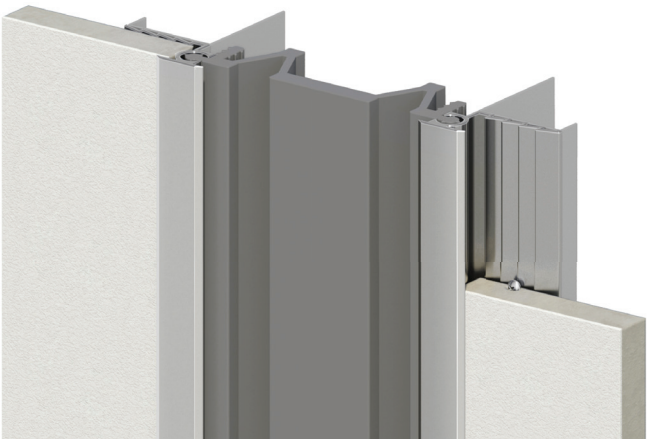
FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGES 16,17,22,23,24

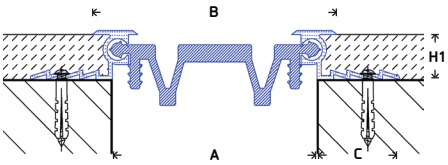
Type 3W.BP-LM

Use: Exterior and interior joints on walls and ceilings with 13mm thick drywalls gypsum boards or for installation before plastering.

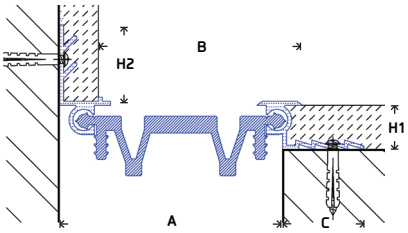
Material: - Side-frames made of mill finish or clear-anodized aluminium alloy 60.63-T5. Frames bear zigzag side-flap design for better plaster adherence or gypsum board steadiness.
- Replaceable inserts made of UV-PVC or Santoprene TPV in grey, beige and black (other colors available upon request).

-> Separate compatible fire-barrier available <-





3W.BP-LM



3W.BP-LM/C

TYPE	"A"	"B"	"C"	"H1"	"H2"	Total Movement*
3W.BP-LM 50	50	65	30	13	-	100
3W.BP-LM 75	75	90	30	13	-	150
3W.BP-LM 100	100	115	30	13	-	200
3W.BP-LM 150	150	175	30	13	-	300
3W.BP-LM 200	200	215	30	13	-	400
3W.BP-LM/C 50	50	49	30	13	41	100
3W.BP-LM/C 75	75	74	30	13	41	150
3W.BP-LM/C 100	100	93	30	13	41	200
3W.BP-LM/C 150	150	143	30	13	41	300
3W.BP-LM/C 200	200	193	30	13	41	400

Dimensions in mm

* Movements do not take into consideration PVC or Santoprene elongation at break (ISO R527)

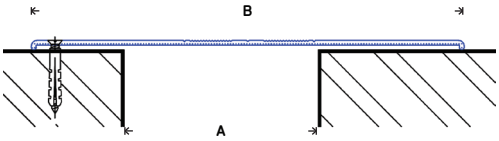
FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGES 16,17,22,23,24

Type 4W.AP-AL

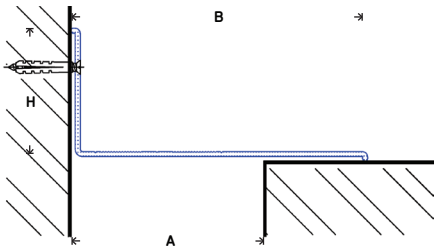
Use: Exterior and interior joints on completed walls and ceilings. Suitable for most common types of finish materials (plaster, tiles, gypsum board etc.).

Material: Cover plate with striated surface made of aluminium alloy 60.63.T5 with mill- or clear-anodised finish.

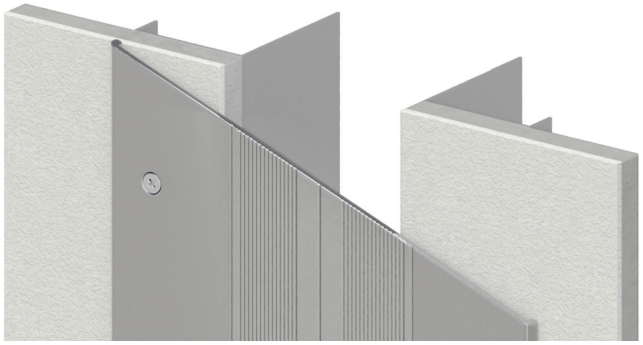
-> Separate compatible fire-barrier available <-



4W.AP-AL



4W.AP-AL/C



TYPE	"A"	"B"	"H"	Total Movement
4W.AP-AL 25	25	67	-	35
4W.AP-AL 50	50	117	-	70
4W.AP-AL 75	75	167	-	100
4W.AP-AL 100	100	167	-	130
4W.AP-AL 125	125	219	-	180
4W.AP-AL 150	150	219	-	195
4W.AP-AL/C 25	25	67	50	50
4W.AP-AL/C 50	50	67	50	67
4W.AP-AL/C 75	75	117	50	117
4W.AP-AL/C 100	100	167	50	117
4W.AP-AL/C 125	125	219	50	158
4W.AP-AL/C 150	150	219	50	172

Dimensions in mm

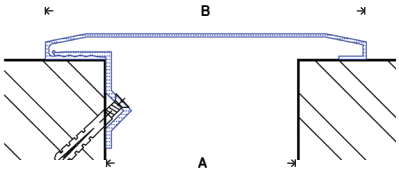
FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGES 19,21-24,26-29,32,33

Type 2W.IF-AL

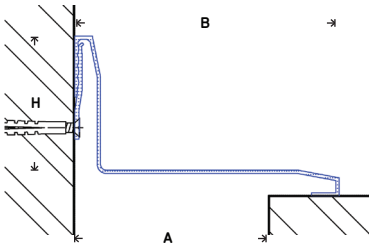
Use: Exterior and interior joints on completed walls and ceilings. Suitable for most common types of finish materials (plaster, tiles, gypsum board etc.).
Assembly with non-visible fixing screws. Two types of retainers are available to match various installation cases.

Material: Mill finish or clear-anodized aluminium alloy 60.63-T5.

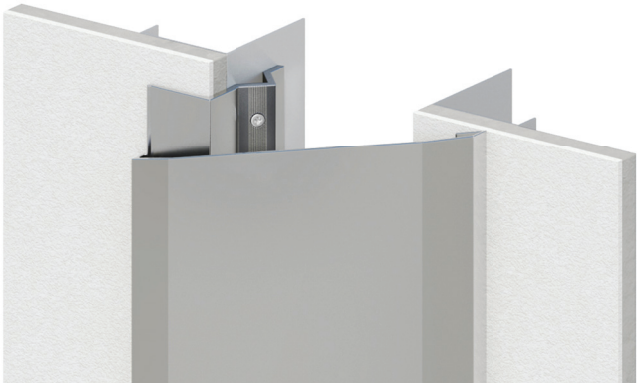
-> Separate compatible fire-barrier available <-



2W.IF-AL



2W.IF-AL/C



TYPE	"A"	"B"	"H"	Total Movement
2W.IF-AL 25	25	67	-	36 [-16+20]
2W.IF-AL 50	50	117	-	84 [-41+43]
2W.IF-AL 75	75	117	-	84 [-66+18]
2W.IF-AL 100	100	167	-	134 [-91+43]
2W.IF-AL 125	125	219	-	186 [-116+70]
2W.IF-AL 150	150	219	-	186 [-141+45]
2W.IF-AL 200	200	280	-	130 [-75+55]
2W.IF-AL 250	250	330	-	150 [-70+80]
2W.IF-AL 300	300	380	-	180 [-115+65]
2W.IF-AL/C 25	25	53	50	62 [-25+37]
2W.IF-AL/C 50	50	95	50	95 [-50+45]
2W.IF-AL/C 75	75	95	50	95 [-75+20]
2W.IF-AL/C 100	100	160	50	160 [-100+60]
2W.IF-AL/C 125	125	205	50	205 [-125+80]
2W.IF-AL/C 150	150	205	50	205 [-150+55]
2W.IF-AL/C 200	200	240	50	120 [-60+60]
2W.IF-AL/C 250	250	300	50	160 [-80+80]
2W.IF-AL/C 300	300	380	50	220 [-120+100]

Dimensions in mm

FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGES 19,21-24,26-29,32,33

Retainer 1:
Suitable for installation on same-level joint sides

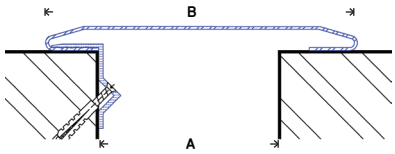
Retainer 2:
Suitable for installation on same-level or uneven joint sides

Type 2W.IF-IN

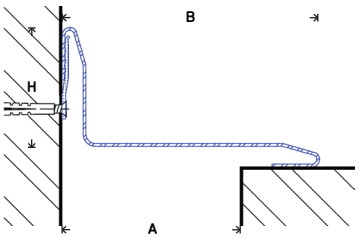
Use: Exterior and interior joints on completed walls and ceilings. Suitable for most common types of finish materials (plaster, tiles, gypsum board etc.).
Assembly with non-visible fixing screws. Two types of retainers are available to match various installation cases.

Material: - Non-visible retainer made of mill finish aluminium alloy 60.63-T5.
- Visible cover plate made of stainless-steel AISI 304 with satin finish. Other stainless-steel grades or finishes available upon request.

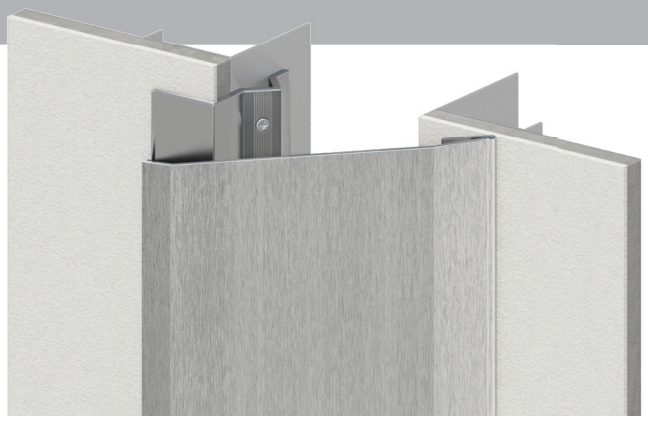
-> Separate compatible fire-barrier available <-



2W.IF-IN



2W.IF-IN/C



TYPE	"A"	"B"	"H"	Total Movement
2W.IF-IN 25	25	55	-	40 [-25+15]
2W.IF-IN 50	50	95	-	70 [-50+20]
2W.IF-IN 75	75	120	-	95 [-75+20]
2W.IF-IN 100	100	150	-	125 [-100+25]
2W.IF-IN 125	125	200	-	175 [-125+50]
2W.IF-IN 150	150	250	-	225 [-150+75]
2W.IF-IN 200	200	300	-	275 [-200+75]
2W.IF-IN/C 25	25	45	50	35 [-25+10]
2W.IF-IN/C 50	50	70	50	70 [-50+20]
2W.IF-IN/C 75	75	95	50	95 [-75+20]
2W.IF-IN/C 100	100	125	50	160 [-100+60]
2W.IF-IN/C 125	125	175	50	175 [-125+50]
2W.IF-IN/C 150	150	225	50	225 [-150+75]
2W.IF-IN/C 200	200	275	50	275 [-200+75]

Dimensions in mm

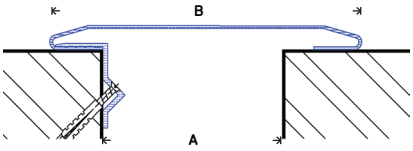
FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGES 15,18,25,24-31

Type 2W.IF-BR

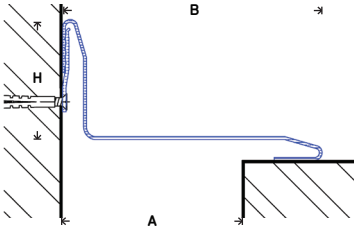
Use: Exterior and interior joints on completed walls and ceilings. Suitable for most common types of finish materials (plaster, tiles, gypsum board etc.).
Assembly with non-visible fixing screws. Two types of retainers are available to match various installation cases.

Material: - Non-visible retainer made of mill finish aluminium alloy 60.63-T5.
- Visible cover plate made of brass alloy OT63 with neutral finish. Other alloys or finishes available upon request.

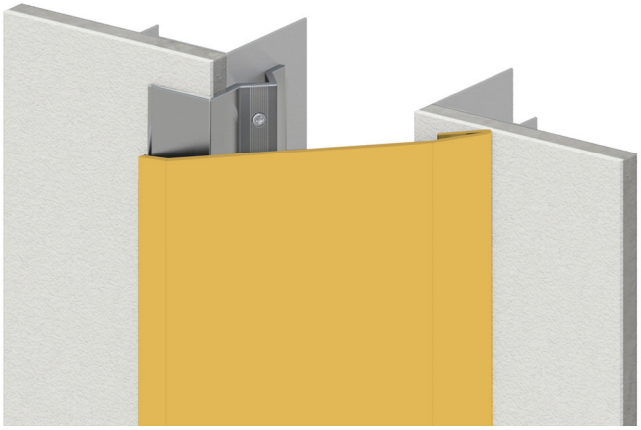
-> Separate compatible water- & fire-barriers available <-



2W.IF-BR



2W.IF-BR/C



TYPE	"A"	"B"	"H"	Total Movement
2W.IF-BR 25	25	55	-	40 [-25+15]
2W.IF-BR 50	50	95	-	70 [-50+20]
2W.IF-BR 75	75	120	-	95 [-75+20]
2W.IF-BR 100	100	150	-	125 [-100+25]
2W.IF-BR 125	125	200	-	175 [-125+50]
2W.IF-BR 150	150	250	-	225 [-150+75]
2W.IF-BR 200	200	300	-	275 [-200+75]
2W.IF-BR/C 25	25	45	50	35 [-25+10]
2W.IF-BR/C 50	50	70	50	70 [-50+20]
2W.IF-BR/C 75	75	95	50	95 [-75+20]
2W.IF-BR/C 100	100	125	50	160 [-100+60]
2W.IF-BR/C 125	125	175	50	175 [-125+50]
2W.IF-BR/C 150	150	225	50	225 [-150+75]
2W.IF-BR/C 200	200	275	50	275 [-200+75]

Dimensions in mm

FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGES 15,18,25,24-31

Retainer 1:
Suitable for installation on same-level joint sides

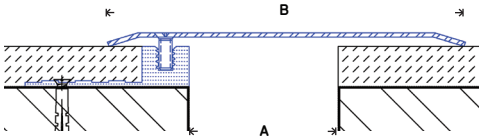
Retainer 2:
Suitable for installation on same-level or uneven joint sides

Type W.AP-IN

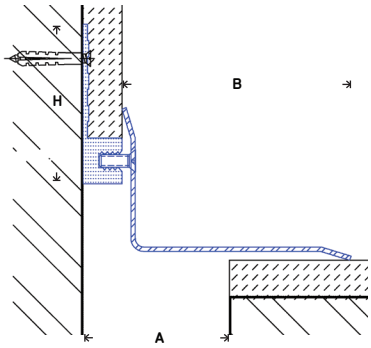
Use: Exterior and interior joints on completed walls and ceilings. Suitable for most common types of finish materials (plaster, tiles, gypsum board etc.).

Material: Visible cover plate made of stainless-steel AISI 304 with satin finish, 1-1,5mm thick. Other stainless-steel grades or finishes available upon request.
Optional, non-visible retainer made of aluminium alloy 60.63-T5.

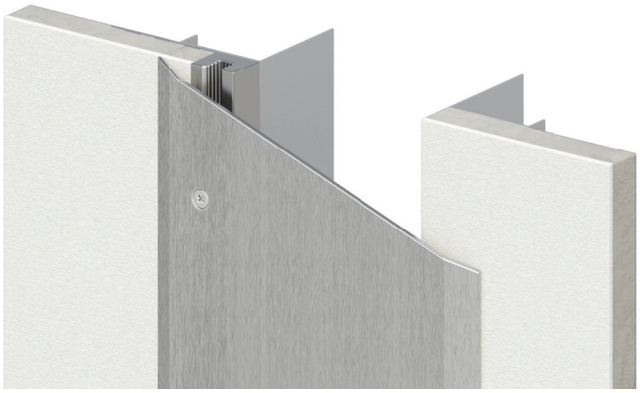
-> Separate compatible fire-barrier available <-



W.AP-IN



W.AP-IN/C



TYPE	"A"	"B"	"H"	Total Movement
W.AP-IN 30	30	60	-	40
W.AP-IN 50	50	100	-	70
W.AP-IN 75	75	120	-	90
W.AP-IN 100	100	180	-	110
W.AP-IN 125	125	200	-	160
W.AP-IN 150	150	240	-	180
W.AP-IN 200	200	300	-	250
W.AP-IN/C 30	30	60	60	50
W.AP-IN/C 50	50	80	60	80
W.AP-IN/C 75	75	100	60	120
W.AP-IN/C 100	100	140	60	150
W.AP-IN/C 125	125	160	60	180
W.AP-IN/C 150	150	200	60	200
W.AP-IN/C 200	200	250	60	250

Dimensions in mm

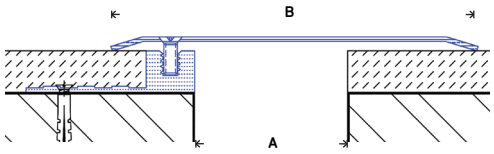
FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGES 15, 18, 20,21, 27-31

Type W.AP-BR

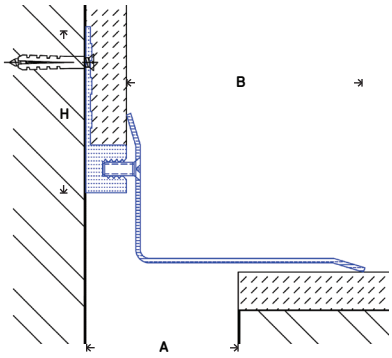
Use: Exterior and interior joints on completed walls and ceilings. Suitable for most common types of finish materials (plaster, tiles, gypsum board etc.).

Material: Visible cover plate made of brass alloy OT63 with neutral finish. Other alloys or finishes available upon request.
Optional, non-visible retainer made of aluminium alloy 60.63-T5.

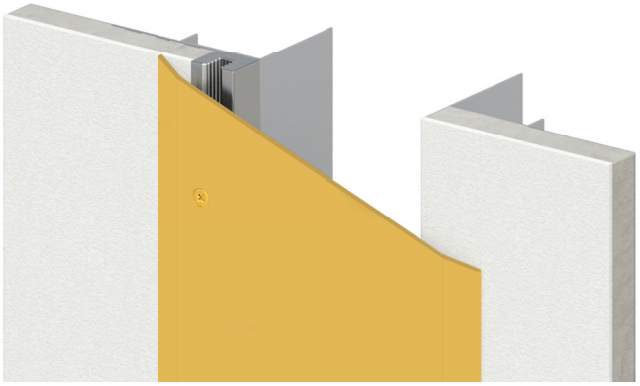
-> Separate compatible fire-barrier available <-



W.AP-BR



W.AP-BR/C



TYPE	"A"	"B"	"H"	Total Movement
W.AP-BR 30	30	60	-	40
W.AP-BR 50	50	100	-	70
W.AP-BR 75	75	120	-	90
W.AP-BR 100	100	180	-	110
W.AP-BR 125	125	200	-	160
W.AP-BR 150	150	240	-	180
W.AP-BR 200	200	300	-	250
W.AP-BR/C 30	30	60	60	50
W.AP-BR/C 50	50	80	60	80
W.AP-BR/C 75	75	100	60	120
W.AP-BR/C 100	100	140	60	150
W.AP-BR/C 125	125	160	60	180
W.AP-BR/C 150	150	200	60	200
W.AP-BR/C 200	200	250	60	250

Dimensions in mm

FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGES 15, 18, 20,21, 27-31

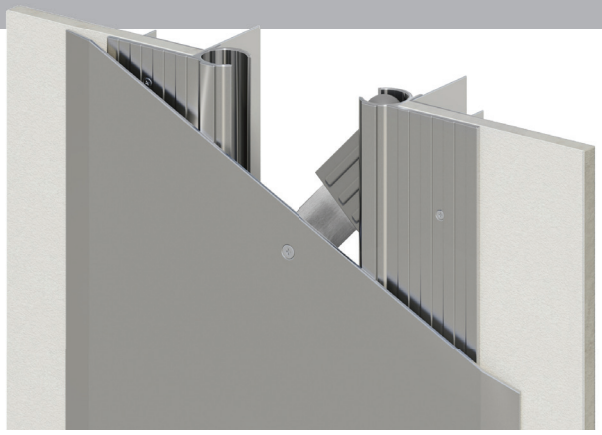
WALL JOINT COVERS ◺ Types W.ELM-AL, W.ELM-IN, W.ELM-BR

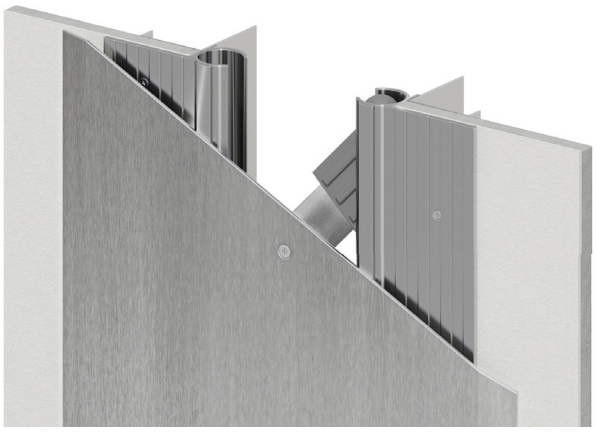
Exterior & interior applications – Seismic movement up to ±100%

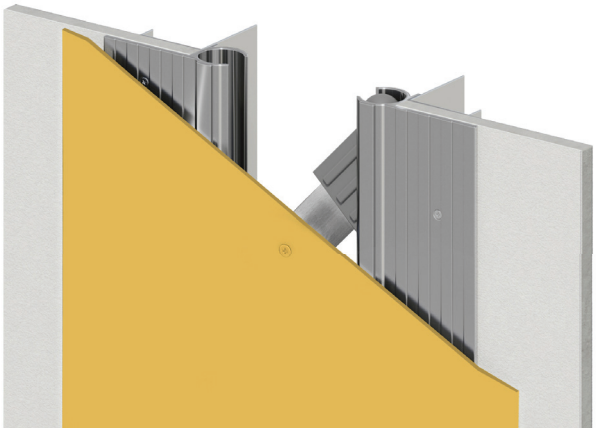
Use: Exterior and interior joints on completed surfaces. Frames suitable for installation on most wall finish materials. Exposed center-plate available in several materials to cover diverse architectural requirements.

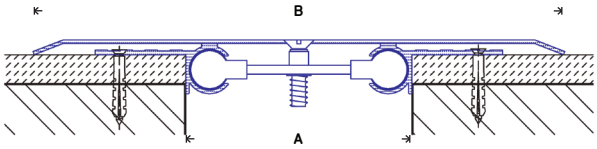
Material: - Non-visible frames made of mill finish aluminium alloy 60.63-T5.
- Center-plate made of:
- • Mill-finish or clear anodized aluminium alloy 60.63-T5 with striated or smooth surface for type W.ELM-AL.
- • AISI 304 stainless steel with satin finish for type W.ELM-IN (Other stainless-steel grades or finishes available upon request).
- • Brass alloy OT63 with neutral finish for type W.ELM-BR. (Other stainless-steel grades or finishes available upon request).
- Centering bars made of steel or stainless-steel blades and nylon end balls.

-> Separate compatible fire-barrier available <-

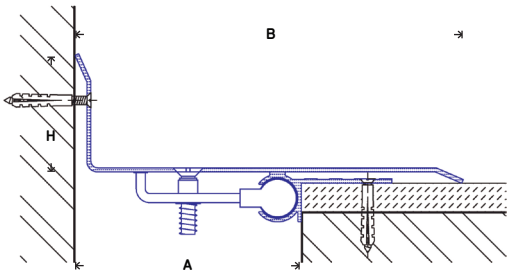




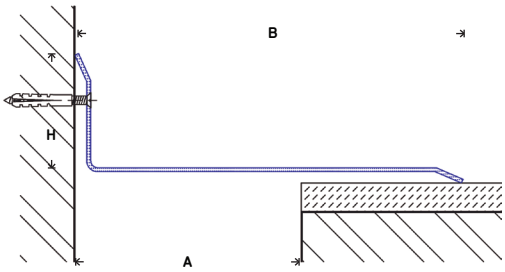




W.ELM-AL



W.ELM-AL/C1



W.ELM-AL/C2

> Below dimensions also apply for W.ELM-IN & W.ELM-BR series <

TYPE	"A"	"B"	"H"	Total Movement
W.ELM-AL 50	50	170	-	75 [-25+50]
W.ELM-AL 75	75	195	-	75 [-25+50]
W.ELM-AL 100	100	220	-	100 [-50+50]
W.ELM-AL 125	125	245	-	100 [-50+50]
W.ELM-AL 150	150	270	-	100 [-50+50]
W.ELM-AL 175	175	295	-	100 [-50+50]
W.ELM-AL 200	200	320	-	100 [-50+50]
W.ELM-AL/C 50	50	110	50	75 [-50+25]
W.ELM-AL/C 75	75	135	50	75 [-50+25]
W.ELM-AL/C 100	100	160	50	100 [-50+50]
W.ELM-AL/C 125	125	185	50	100 [-50+50]
W.ELM-AL/C 150	150	210	50	100 [-50+50]
W.ELM-AL/C 175	175	235	50	100 [-50+50]
W.ELM-AL/C 200	200	260	50	100 [-50+50]

Dimensions in mm

Various cover plate widths available to match movement requirements other than shown above

FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGES 13,15-18,20,22-31

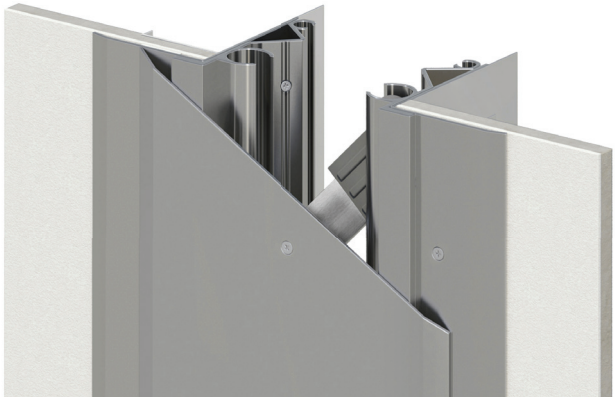
WALL JOINT COVERS ◺ Types 2W.ELM-AL, 2W.ELM-IN, 2W.ELM-BR

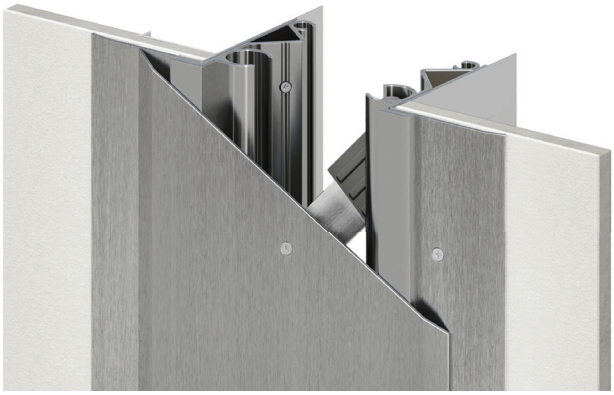
Exterior & interior applications – Joint gaps up to 400mm - Seismic movement up to ±100%

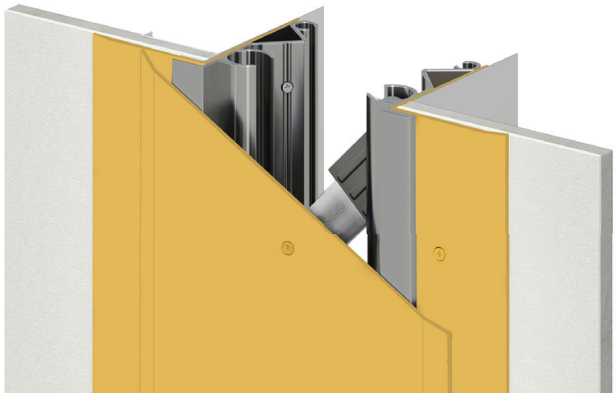
Use: Exterior and interior joints on completed surfaces. Frames suitable for installation on most wall finish materials. Exposed plates available in several materials to cover diverse architectural requirements.
These series match FAS-HD.IN product series offering uniform appearance along the joint.

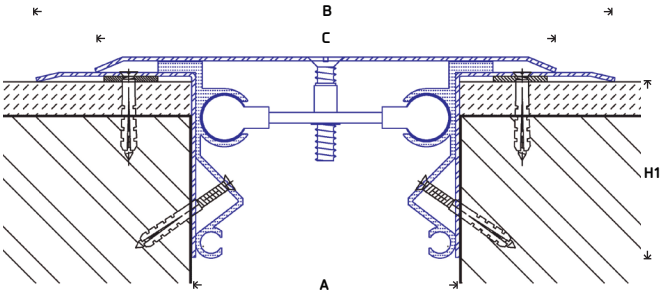
Material: - Non-visible frames made of mill finish aluminium alloy 60.63-T5.
- Center- and side-plates made of:
- • Mill-finish or clear anodized aluminium alloy 60.63-T5 with striated or smooth surface for type 2W.ELM-AL.
- • AISI 304 stainless steel with satin finish for type 2W.ELM-IN (Other stainless-steel grades or finishes available upon request).
- • Brass alloy OT63 with neutral finish for type 2W.ELM-BR. (Other stainless-steel grades or finishes available upon request).
- - Centering bars made of steel or stainless-steel blades and nylon end balls.

-> Separate compatible fire-barrier available <-

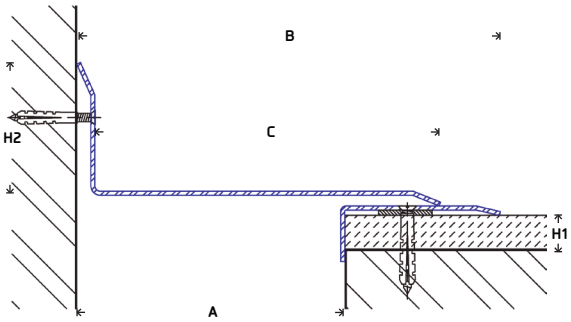








2W.ELM-AL



2W.ELM-AL/C

> Below dimensions also apply for 2W.ELM-IN & 2W.ELM-BR series <

TYPE	"A"	"B"	"C"	"H1"	"H2"	Total Movement
2W.ELM-AL 100	100	206	120	64	-	±50%
2W.ELM-AL 150	150	306	200	64	-	±50%
2W.ELM-AL 200	200	396	300	64	-	±50%
2W.ELM-AL 250	250	460	350	64	-	±50%
2W.ELM-AL 300	300	570	410	64	-	±50%
2W.ELM-AL 350	350	680	470	64	-	±50%
2W.ELM-AL 400	400	790	550	64	-	±50%
2W.ELM-AL/C 100	100	150	120	30	60	±50%
2W.ELM-AL/C 150	150	210	140	30	60	±50%
2W.ELM-AL/C 200	200	275	205	30	60	±50%
2W.ELM-AL/C 250	250	355	300	30	60	±50%
2W.ELM-AL/C 300	300	435	370	30	60	±50%
2W.ELM-AL/C 350	350	460	400	30	60	±50%
2W.ELM-AL/C 400	400	550	450	30	60	±50%

Dimensions in mm

Various cover plate widths available to match movement requirements other than shown above

FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGES 20,22-26,30-31

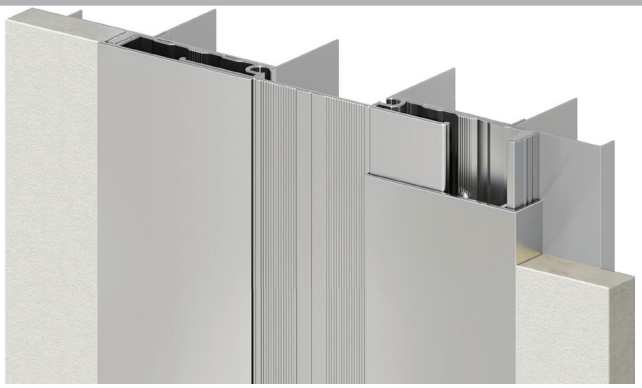
WALL JOINT COVERS ◺ Type W-LM

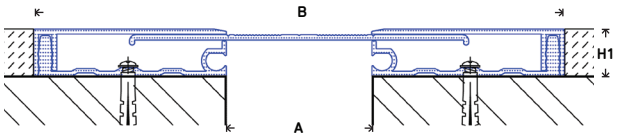
Exterior & interior applications - ±50% movement capability

Use: Exterior and interior joints on walls and ceilings. Frame design allows flush installation on 13mm thick drywalls gypsum boards or on completed surfaces.

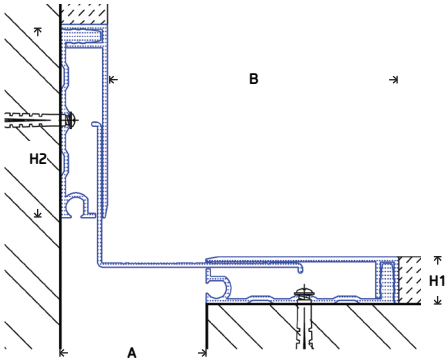
Material: - Side-frames made of mill finish or clear-anodized aluminium alloy 60.63-T5. Center-plate with or without striated surface.
- Optional moisture barrier made of UV-PVC.

-> Separate compatible fire-barrier available <-





W-LM



W-LM/C

TYPE	"A"	"B"	"H1"	"H2"	Total Movement
W-LM 30	30	104	16	-	50
W-LM 50	50	182	16	-	110
W-LM 75	75	207 , 297	16	-	110 , 160
W-LM 100	100	232 , 322	16	-	110 , 200
W-LM 125	125	347 , 449	16	-	195 , 300
W-LM 150	150	372 , 474	16	-	195 , 300
W-LM 175	175	499	16	-	300
W-LM 200	200	524	16	-	300
W-LM/C 30	30	47	16	37	26
W-LM/C 50	50	100	16	66	55
W-LM/C 75	75	125 , 170	16	66 , 111	54 , 100
W-LM/C 100	100	150 ,195	16	66 , 111	54 , 100
W-LM/C 125	125	221 , 271	16	111 , 162	100 , 150
W-LM/C 150	150	245 , 296	16	111 , 162	100 , 150
W-LM/C 175	175	321	16	162	150
W-LM/C 200	200	346	16	162	150

Dimensions in mm

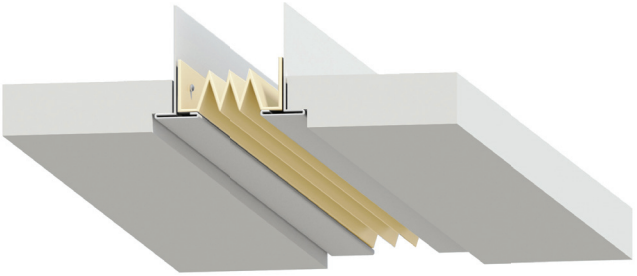
FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGES 13,14,19,21-24,32-33

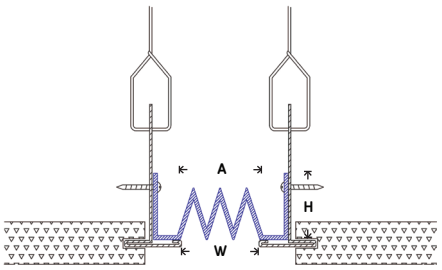
CEILING JOINT COVERS ⊓ Type W-SC

Interior applications

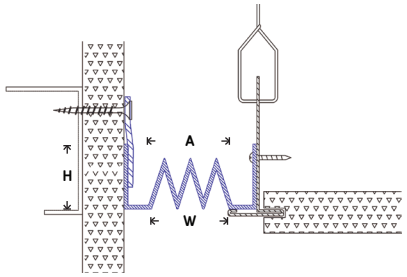
Use: One-piece profile suitable for Interior joints on suspended ceilings.

Material: Hard PVC in standard white or beige (other colours available upon request).





W-SC



W-SC/C

TYPE	"A"	"W"	"H"	Total Movement
W-SC 25	25	25	25	50
W-SC 50	50	50	25	100
W-SC 75	75	75	25	150

Dimensions in mm

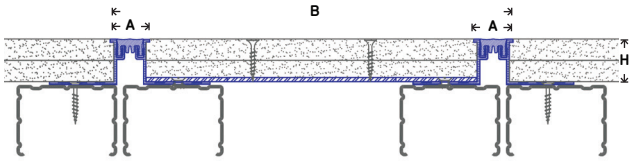
Note: The same product names / dimensions apply for corner options (as shown on drawing detail)

Type W.BRG – Minimum exposed surface

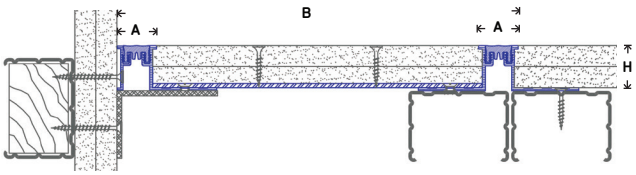
Use: Suitable for vertical joint gaps up to 500mm on interior applications. Frames available in various heights and elastic inserts available in various widths to match with floor joint series F.BRG.

Material: - Side-frames made of mill finish or clear-anodized aluminium alloy 60.63-T5.
- Replaceable inserts made of UV-PVC or Santoprene TPV in grey or beige (other colors available upon request).

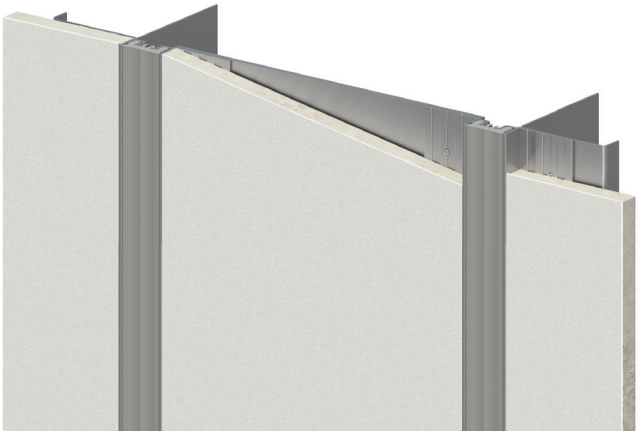
-> Separate compatible fire-barrier available <-



W.BRG



W.BRG/C



TYPE	Joint width	"A"	"B"	"H"	Total Movement
W.BRG 20	50-500	20	Depends on joint gap width and architectural requirements	12, 17, 30	24
W.BRG 30	50-500	30		12, 17, 31	40
W.BRG 50	50-500	56		18, 33	60
W.BRG 60	50-500	64		35	60
W.BRG 75	50-500	75		35	72
W.BRG 100	50-500	115		35	68

Dimensions in mm

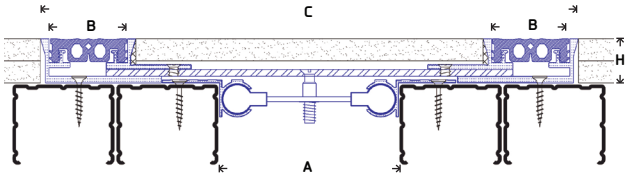
FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGE 34

Type W.BRG-S – Seismic movement

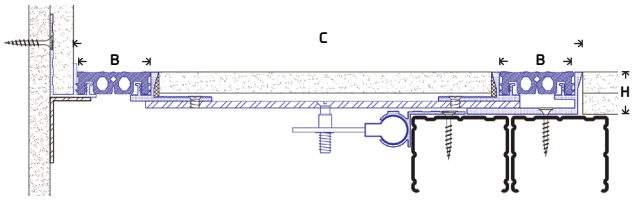
Use: Suitable for vertical joint gaps up to 500mm on interior applications. Frames suitable for installation on walls with double gypsum boards or any other finishes up to 33mm thick. Center-pan assembly is filled with the same finish material.

Material: - Side-frames made of mill finish or clear-anodized aluminium alloy 60.63-T5.
- Replaceable inserts made of UV-PVC or Santoprene TPV in grey or beige (other colors available upon request).
- Centering bar: Stainless steel AISI 304 with nylon end balls.

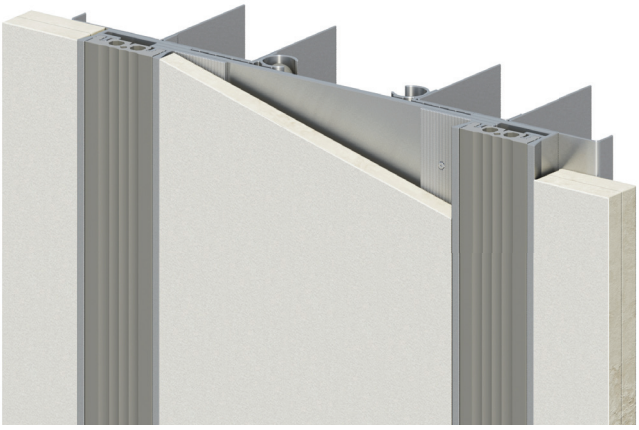
-> Separate compatible fire-barrier available <-



W.BRG-S



W.BRG-S/C



TYPE	"A"	"B"	"C"	"H"	Total Movement
W.BRG-S 100	100	56	310	26	100 [+50]
W.BRG-S 150	150	56	360	26	150 [+75]
W.BRG-S 200	200	56	410	26	200 [+100]
W.BRG-S 250	250	56	460	26	250 [+125]
W.BRG-S 300	300	56	510	26	300 [+150]
W.BRG-S 350	350	56	560	26	350 [+125]
W.BRG-S 400	400	56	610	26	400 [+200]
W.BRG-S 450	450	56	660	26	450 [+225]
W.BRG-S 500	500	56	710	26	500 [+250]

Dimensions in mm

> Wall to wall corner options also available. <

FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGE 36

WALL JOINT COVERS ◺ Types 2W.BRG-AL, 3W.BRG-AL, 4W.BRG-AL

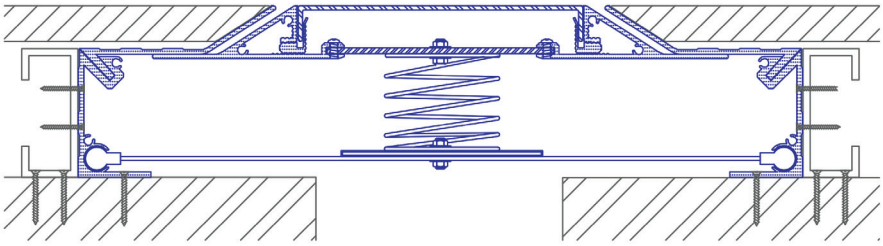
Invisible joint cover assembly – Up to ±100% movement capability

PATENT PENDING

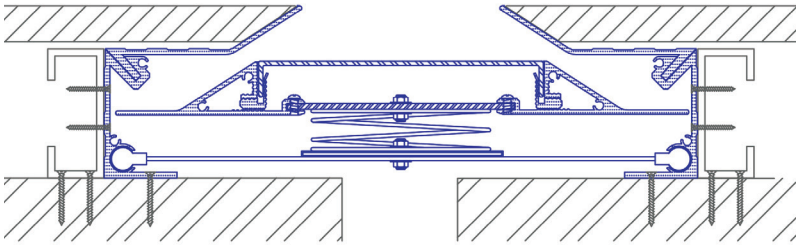
Use: Exterior and interior vertical joints. Suitable for high rise structures joints and wide gaps with seismic movement capability. Installation on non-completed surfaces. Center-pan assembly can be filled with various wall finish materials or aluminium composite panels with matching colour / texture.

Material:
- Side-frames made of mill finish or clear-anodized aluminium alloy 60.63-T5.
- Special composition PVC or Santoprene inset in black, grey and beige (other RAL colors available upon request) for series 2W.BRG-AL & 4W.BRG-AL.
- Centering bars made of steel or stainless-steel blades and nylon end balls.

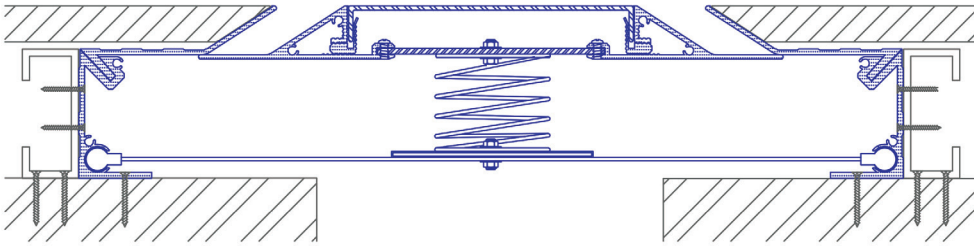
-> Separate compatible fire-barriers available <-



Expansion joint cover assembly at nominal joint width



Expansion joint cover assembly during contraction



Expansion joint cover assembly during expansion

> Below dimensions also apply for 3W.BRG-AL & 4W.BRG-AL series <

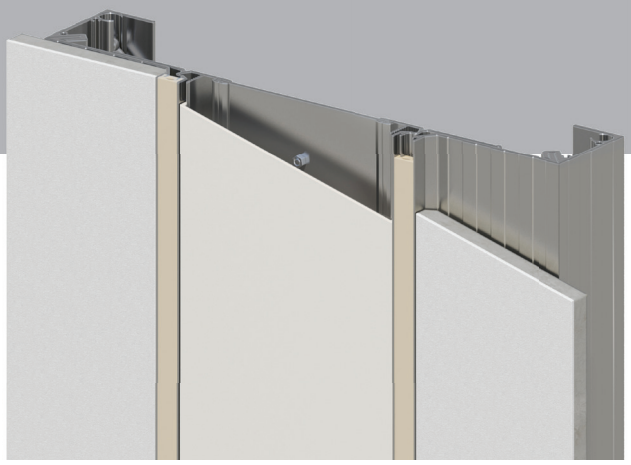
TYPE	"A"	"B"	Total Movement
2W.BRG-AL 100	100	275	180 [-90+90]
2W.BRG-AL 150	150	325	180 [-90+90]
2W.BRG-AL 200	200	375	180 [-90+90]
2W.BRG-AL 250	250	405	180 [-90+90]
2W.BRG-AL 300	300	430	180 [-90+90]
2W.BRG-AL 350	350	410	180 [-90+90]
2W.BRG-AL 400	400	505	180 [-90+90]
2W.BRG-AL 450	450	605	180 [-90+90]
2W.BRG-AL 500	500	720	180 [-90+90]

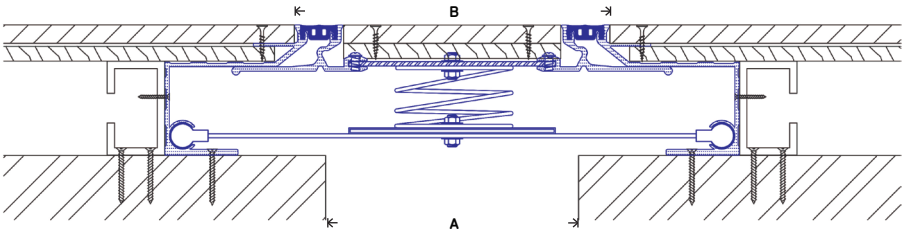
Dimensions in mm

> Corner options also available <

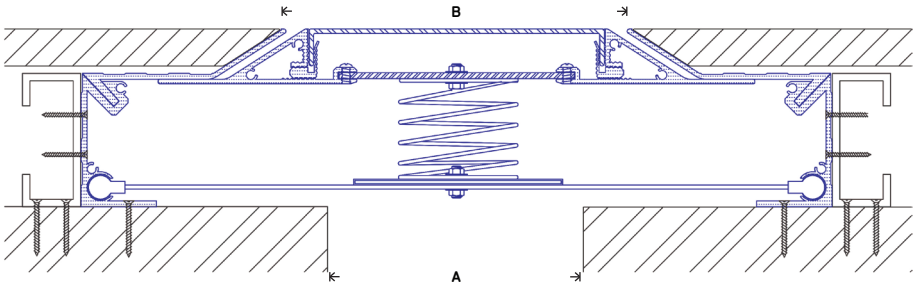
Various cover plate widths available to match movement requirements other than shown above

FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGES 38,39

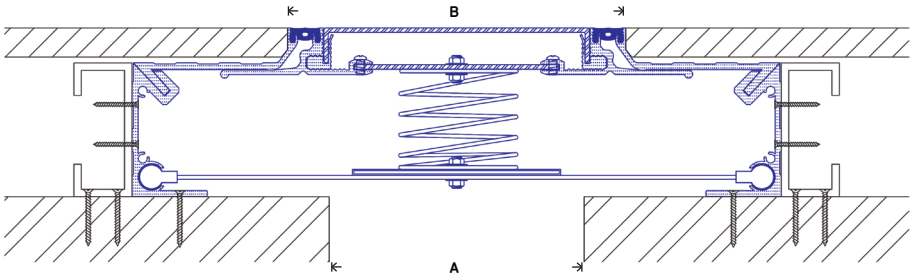




2W.BRG-AL

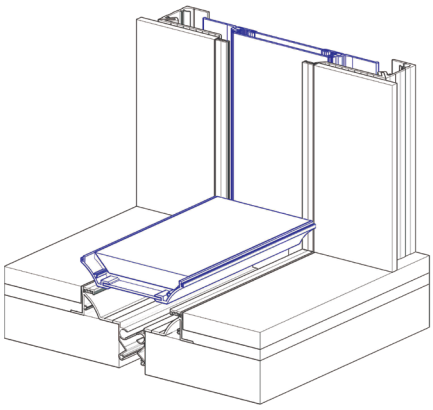


3W.BRG-AL



4W.BRG-AL

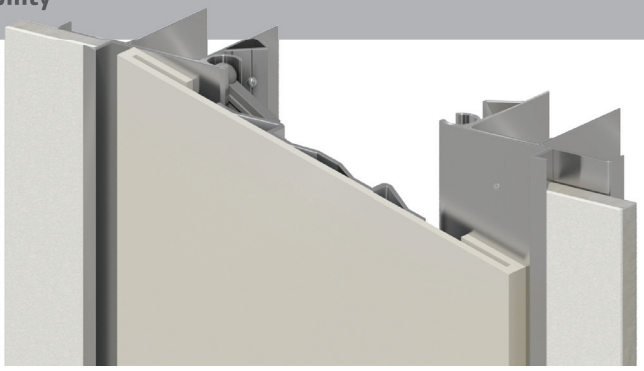
Drawings without scale for graphic purposes only. Please contact us to send you complete shop drawings.



During seismic movement center-pan moves inwards
eliminating the possibility of damages in surrounding structures.

WALL JOINT COVERS ◺ Types 2W.SCT & 2W.SHD

Invisible joint cover assembly – Up to ±100% movement capability

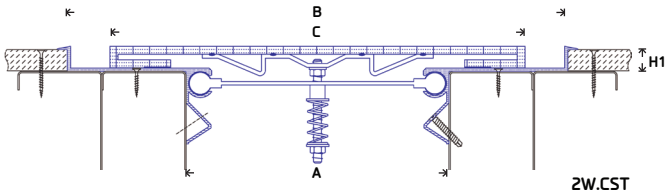


Type 2W.SCT

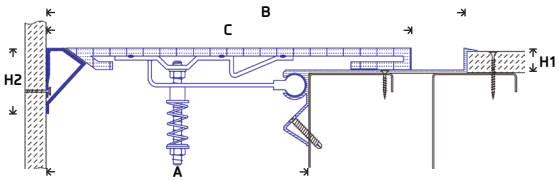
Use: Exterior and interior vertical joints. Suitable for high rise structures joints and wide gaps with seismic movement capability. Installation on non-completed surfaces. Assembly fully integrated with wall surface because center-plate can be coloured with the same colour of adjacent surfaces.

Material: - Side-frames made of mill finish or clear-anodized aluminium alloy 60.63-T5.
- Center-plate made of aluminium composite panel.
- Centering bars made of steel or stainless-steel blades and nylon end balls.

-> Separate compatible fire-barrier available <-



2W.CST



2W.CST/C

TYPE	"A"	"B"	"C"	"H1"	"H2"	Total Movement
2W.CST 100	100	356	256	16-20	-	130 [-50+80]
2W.CST 150	150	406	306	16-20	-	150 [-70+80]
2W.CST 200	200	456	356	16-20	-	198 [-100+98]
2W.CST 250	250	506	406	16-20	-	245[-120+125]
2W.CST 300	300	556	456	16-20	-	361[-195+166]
2W.CST 350	350	606	506	16-20	-	444[-224+220]
2W.CST 400	400	656	556	16-20	-	500[-250+250]
2W.CST 450	450	706	606	16-20	-	651[-321+330]
2W.CST 500	500	756	656	16-20	-	810[-400+410]
2W.CST/C 100	100	356	256	16-20	40	75 [-40+35]
2W.CST/C 150	150	406	306	16-20	40	85 [-45+40]
2W.CST/C 200	200	456	356	16-20	40	180 [-70+110]
2W.CST/C 250	250	506	406	16-20	40	223 [-88+135]
2W.CST/C 300	300	556	456	16-20	40	245[-110+135]
2W.CST/C 350	350	606	506	16-20	40	320[-140+180]
2W.CST/C 400	400	656	556	16-20	40	374[-174+200]
2W.CST/C 450	450	706	606	16-20	40	618[-190+428]
2W.CST/C 500	500	756	656	16-20	40	634[-190+444]

Dimensions in mm

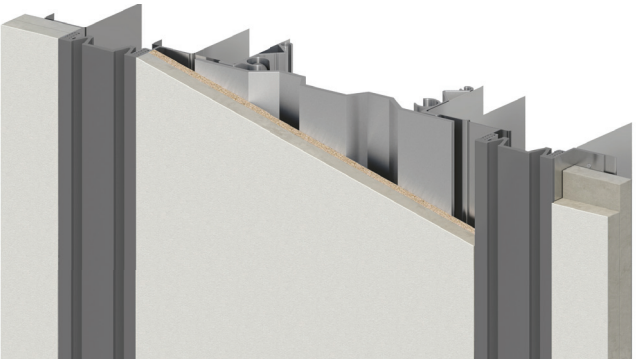
FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGES 34-38

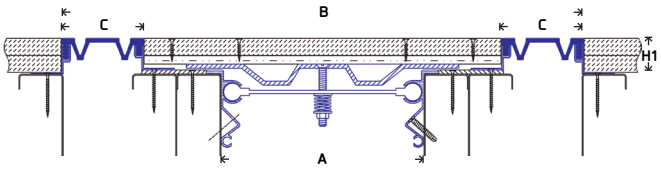
Type 2W.SHD – Joint gaps up to 500mm

Use: Suitable for vertical joint gaps up to 500mm on interior applications. Frames suitable for installation on finish materials up to 20mm thick. Center-pan assembly can be filled with the same finish material.

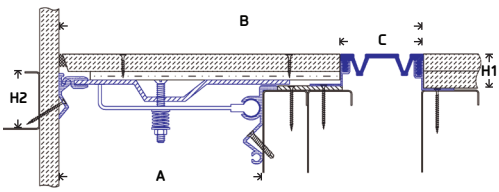
Material: - Side-frames made of mill finish or clear-anodized aluminium alloy 60.63-T5.
- Replaceable inserts made of UV-PVC or Santoprene TPV in grey or beige (other colors available upon request). Various insert types (SIP-LM, 2SIP-LM, 3SIP-LM) can be used.
- Centering bars made of steel or stainless-steel blades and nylon end balls.

-> Separate compatible fire-barrier available <-





2W.SHD



2W.SHD/C

TYPE	"A"	"B"	"C"	"H1"	"H2"	Total Movement
2W.SHD 150	150	460	100	16-20	-	150 [-70+80]
2W.SHD 200	200	530	100	16-20	-	198 [-100+98]
2W.SHD 250	250	580	100	16-20	-	245[-120+125]
2W.SHD 300	300	750	150	16-20	-	361[-195+166]
2W.SHD 350	350	830	150	16-20	-	444[-224+220]
2W.SHD 400	400	910	150	16-20	-	500[-250+250]
2W.SHD 450	450	970	150	16-20	-	651[-321+330]
2W.SHD 500	500	1020	150	16-20	-	810[-400+410]
2W.SHD/C 150	150	305	100	16-20	30	85 [-45+40]
2W.SHD/C 200	200	365	100	16-20	30	180 [-70+110]
2W.SHD/C 250	250	415	100	16-20	30	223 [-88+135]
2W.SHD/C 300	300	525	150	16-20	30	245[-110+135]
2W.SHD/C 350	350	590	150	16-20	30	320[-140+180]
2W.SHD/C 400	400	655	150	16-20	30	374[-174+200]
2W.SHD/C 450	450	710	150	16-20	30	618[-190+428]
2W.SHD/C 500	500	760	150	16-20	30	634[-190+444]

Dimensions in mm

FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGES 34-38

WALL JOINT COVERS ◺ Type W-THR

Exterior Insulation Finishing System – Installation on completed surfaces

Use: Vertical joints on EIFS (exterior insulation finishing system). W-THR system includes one of the following joint waterproofing systems SIP, SIP-LM, 2SIP-LM or 3SIP-LM covered with metallic angles. System is flush with final wall surface and is installed after completing EIFS works.

Material: - Visible angles made of clear-anodized aluminium alloy 60.63-T5, or stainless-steel AISI 304 with satin finish or brass alloy OT63 with neutral finish.

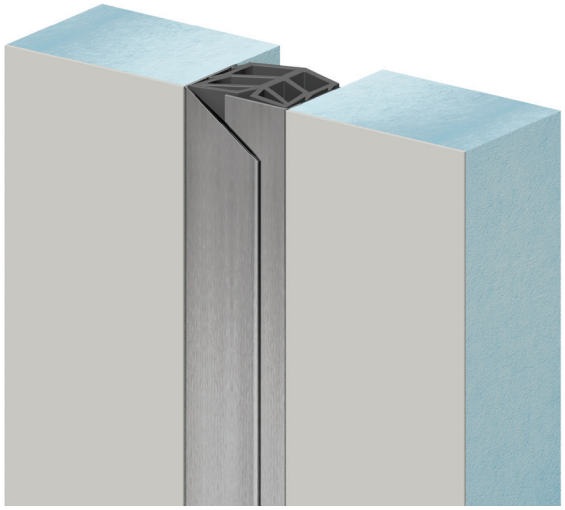
- Sealing system:

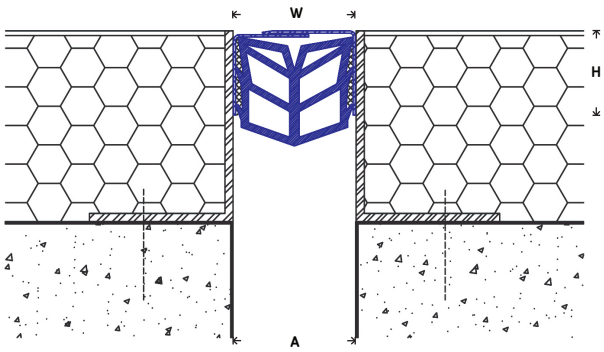
Joint gaps up to 50mm: SIP series - Special composition PVC with UV resistance or TPV Santoprene.

Joint gaps up 50-200mm: SIP-LM, 2SIP-LM, 3SIP-LM series consisting of non-visible aluminium side-frames & insert made of UV-PVC or Santoprene TPV.

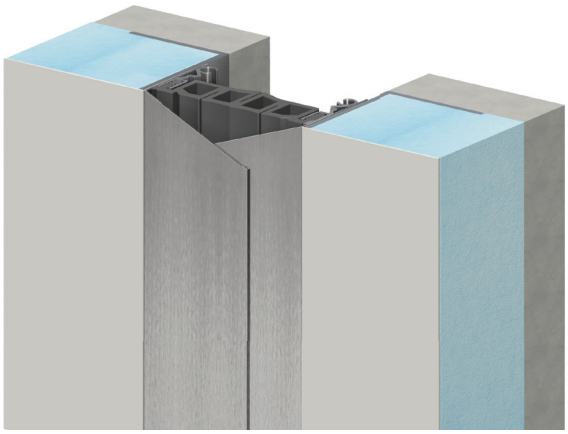
-> Separate compatible fire-barrier available <-

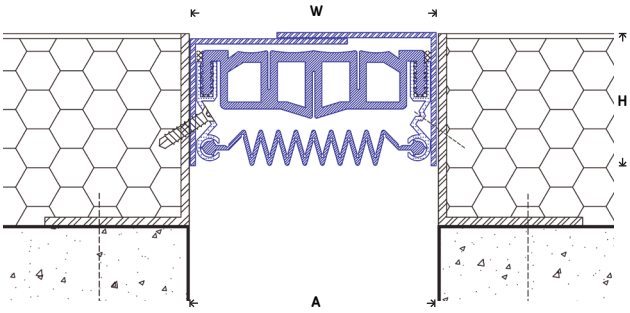
W-THR system available for the following joint gap widths:
30, 50, 75, 100, 125, 150, 175 & 200mm.
Custom sizes available upon request.





W.THR for joint gaps up to 50mm





W.THR for joint gaps over 50mm

TYPE	"A"	"W"	"H"	Total Movement
W.THR 30	30	30	35-55	Varies depending to selected water-proofing assembly
W.THR 50	50	50	35-55	
W.THR 75	75	75	35-55	
W.THR 100	100	100	35-55	
W.THR 125	125	125	35-55	
W.THR 150	150	150	35-55	
W.THR 175	175	175	35-55	
W.THR 200	200	200	35-55	

Dimensions in mm

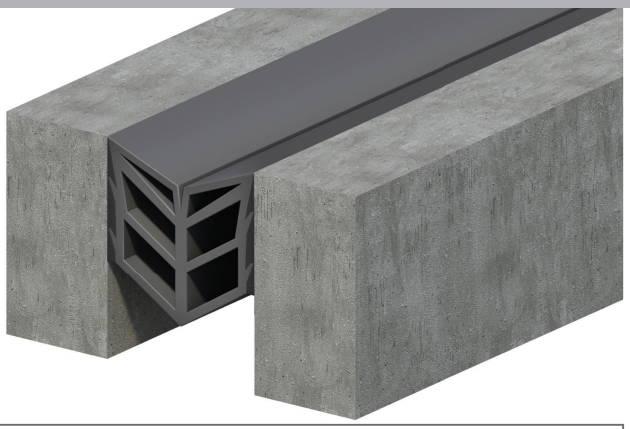
FOR MATCHING FLOOR EXPANSION JOINT COVERS PLEASE SEE PAGES 16,17

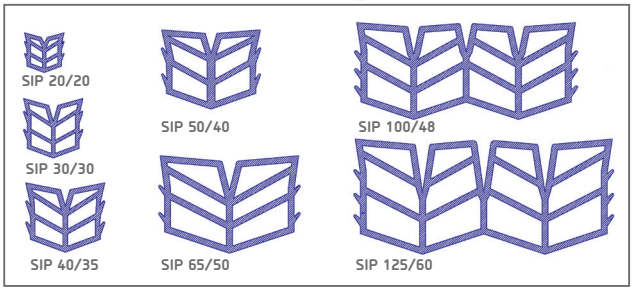
Type SIP - Simple to install compression seal

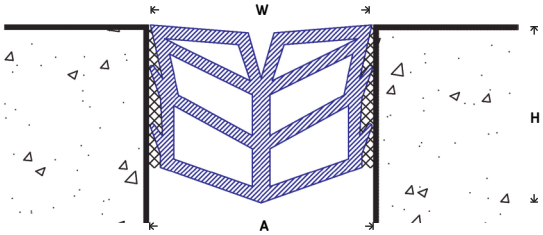
Use: Cost effective compression seal for horizontal and vertical joints. Suitable for exterior and interior applications. Design which allows very easy and quick installation with minimum mastic sealant quantity and follows joint transitions or changes or direction without affecting its performance. Compatible with all our expansion joint covers.

Material: Special composition PVC with UV resistance or Santoprene TPV in black, grey or beige (other RAL colors available upon request).
Note: For product selection according to movement take into consideration the nominal profile shape at rest i.e for a 50mm joint and required movement ±50mm the suitable profile is SIP 100/48, not SIP 65/50 with movement capability of +15-50mm.

Load capacity: Pedestrian traffic; for joint gaps over 50mm SIP seals must be covered with metallic joint cover.







SIP

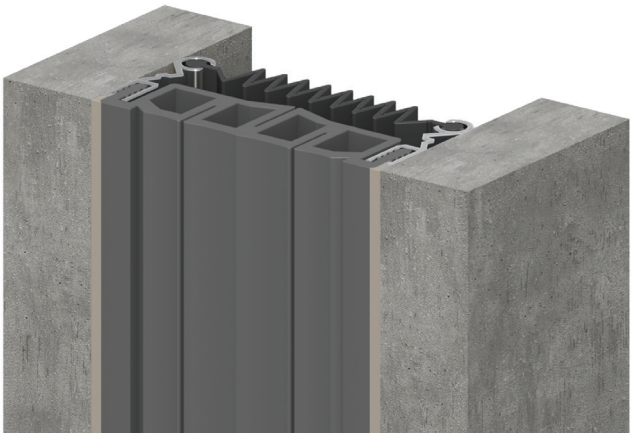
TYPE	"A"	"W"	"H"	Total Movement
SIP 20/20	10-15	20	20	20
SIP 30/30	15-20	30	30	30
SIP 40/35	25-30	40	35	40
SIP 50/40	30-40	50	40	50
SIP 65/50	40-50	65	50	65
SIP 100/48	50-80	100	48	100
SIP 125/60	80-100	130	60	120

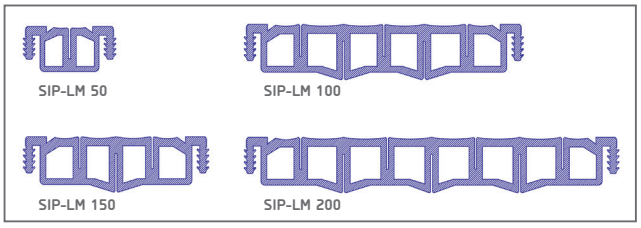
Dimensions in mm

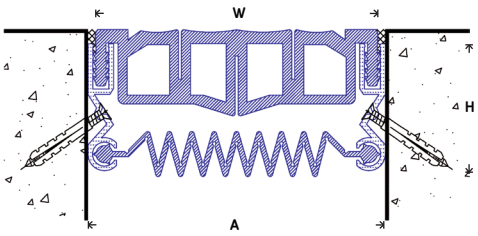
Type SIP-LM - Up to 200mm joint gaps

Use: Sealing assembly for horizontal and vertical joints. Suitable for exterior and interior applications. Suitable for gaps up to 200mm. Mechanical fixing of non-visible, aluminium retainers ensures secure, long-lasting fixing avoiding weathering of mastic sealant. Design which follows joint transitions or changes or direction without affecting its performance. Can be installed exposed or incorporated in compatible expansion joint cover systems.

Material: - Non-visible side-frames made of mill finish aluminium alloy 60.63-T5.
- Main seal and optional moisture barrier made of special composition PVC with UV resistance or Santoprene TPV in black, grey or beige (other RAL colors available upon request).







SIP-LM

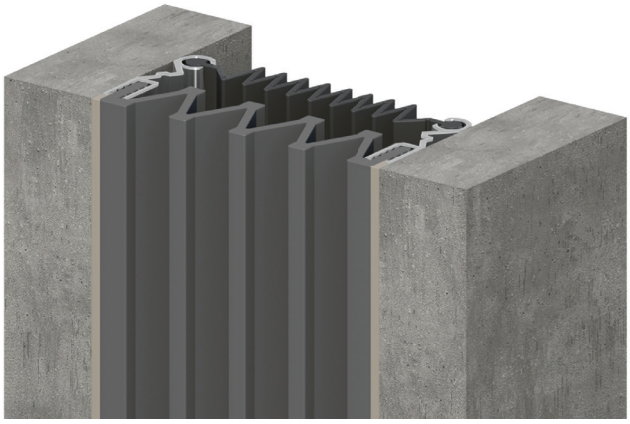
TYPE	"A"	"W"	"H"	Total Movement
SIP-LM 50	50	50	42	90
SIP-LM 100	100	100	42	190
SIP-LM 150	150	150	42	290
SIP-LM 200	200	200	42	390

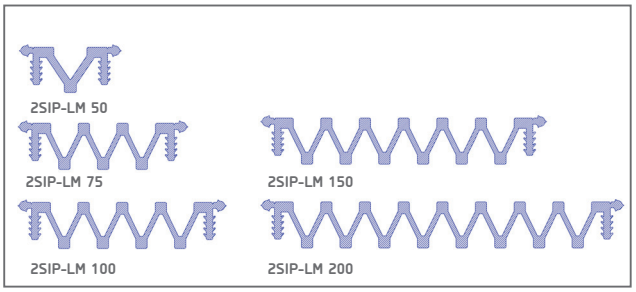
Dimensions in mm

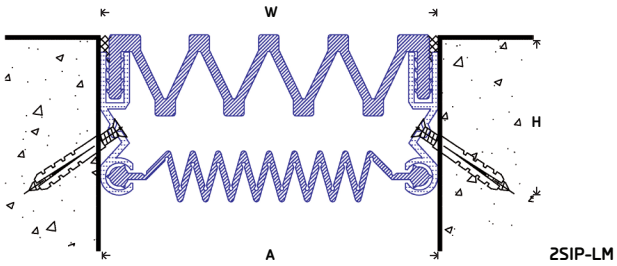
Type 2SIP-LM

Use: Sealing assembly for horizontal and vertical joints. Suitable for exterior and interior applications. Suitable for gaps up to 200mm. Mechanical fixing of non-visible, aluminium retainers ensures secure, long-lasting fixing avoiding weathering of mastic sealant. Accordion-shape design follows non-uniform joint openings, joint transitions or changes or direction without affecting its performance. Can be installed exposed or incorporated in compatible expansion joint cover systems.

Material: - Non-visible side-frames made of mill finish aluminium alloy 60.63-T5.
- Main seal and optional moisture barrier made of special composition PVC with UV resistance or Santoprene TPV in black, grey or beige (other RAL colors available upon request).







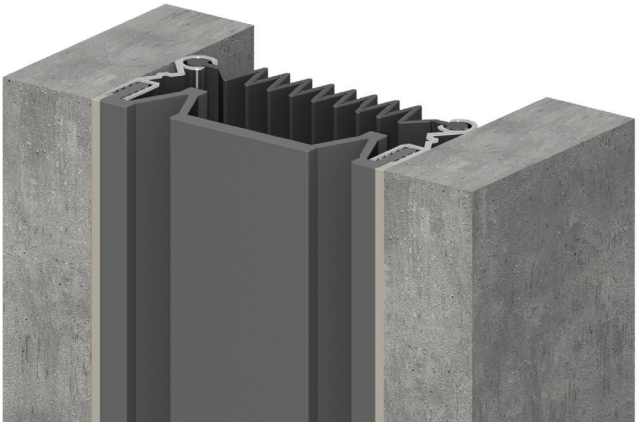
TYPE	"A"	"W"	"H"	Total Movement
2SIP-LM 50	50	50	42	90
2SIP-LM 75	75	75	42	140
2SIP-LM 100	100	100	42	190
2SIP-LM 150	150	150	42	290
2SIP-LM 200	200	200	42	390

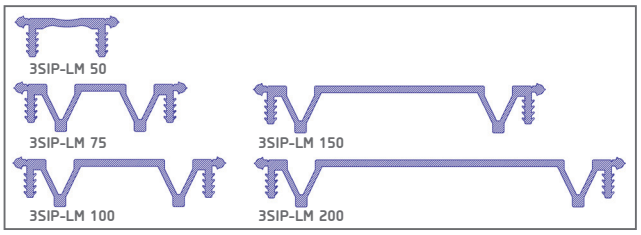
Dimensions in mm

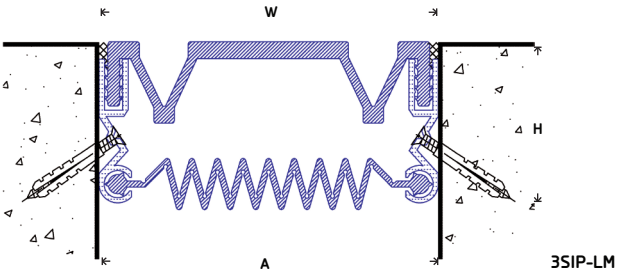
Type 3SIP-LM

Use: Sealing assembly for horizontal and vertical joints. Suitable for exterior and interior applications. Suitable for gaps up to 200mm. Mechanical fixing of non-visible, aluminium retainers ensures secure, long-lasting fixing avoiding weathering of mastic sealant. Design which follows joint transitions or changes or direction without affecting its performance. Can be installed exposed or incorporated in compatible expansion joint cover systems.

Material: - Non-visible side-frames made of mill finish aluminium alloy 60.63-T5.
- Main seal and optional moisture barrier made of special composition PVC with UV resistance or Santoprene TPV in black, grey or beige (other RAL colors available upon request).







TYPE	"A"	"W"	"H"	Total Movement
3SIP-LM 50	50	50	42	90
3SIP-LM 75	75	75	42	140
3SIP-LM 100	100	100	42	190
3SIP-LM 150	150	150	42	290
3SIP-LM 200	200	200	42	390

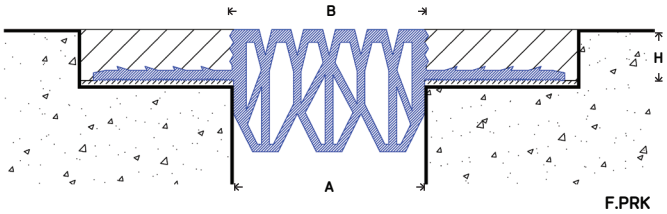
Dimensions in mm

Type F.PRK

Use: One-piece seal suitable for floors with high vehicular or pedestrian traffic. Profile with absolute water-tightness and special cell-design which ensures smooth bump-free passing and large movement capability without losing its shape. Optional use of UPN profiles during installation enhance durability along the joint area.

Material: Santoprene TPV in standard black color (other colors available upon request).

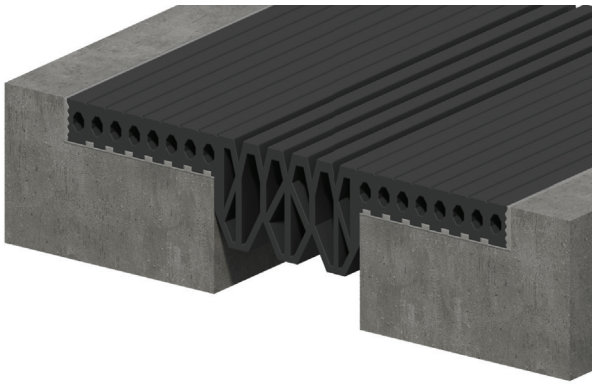
Load capacity: Pedestrian & vehicular traffic.



TYPE	"A"	"B"	"H"	Total Movement
F.PRK 50	50	160	20	50 (+25)
F.PRK 75	75	185	20	76 (+38)
F.PRK 100	100	210	20	100 (+50)

Dimensions in mm

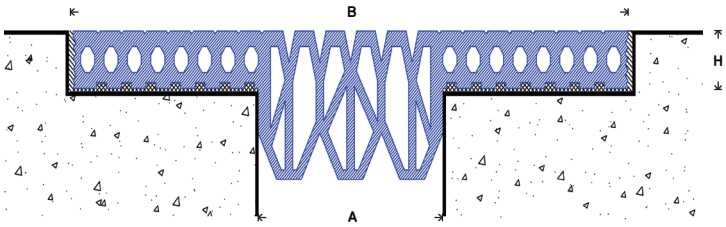
Type 2F.PRK



Use: One-piece seal suitable for floors with high vehicular or pedestrian traffic. Visible flaps design makes it an optimal & cost-effective solution for repairing existing joints. Perfectly water-tight seal which ensures smooth bump-free passing and large movement capability without losing its shape.

Material: Santoprene TPV in standard black color (other colors available upon request).

Load capacity: Pedestrian & vehicular traffic.



2F.PRK

TYPE	"A"	"B"	"H"	Total Movement
2F.PRK 30	30	195	16	30 (+15)
2F.PRK 50	50	195	16	50 (+25)
2F.PRK 75	75	225	18	76 (+38)
2F.PRK 100	100	295	18	100 (+50)

Dimensions in mm

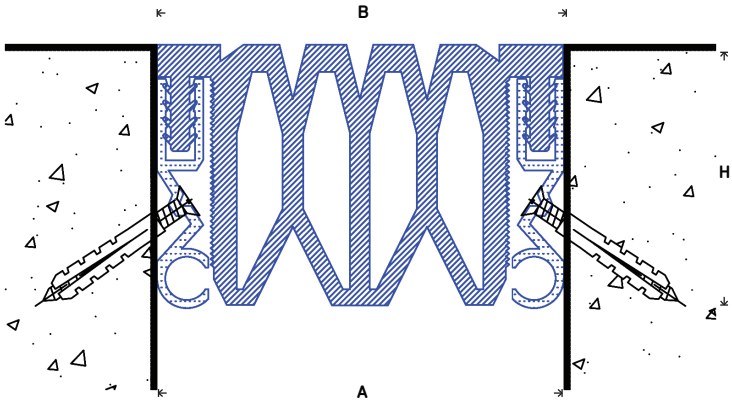
CAR PARK SEALS Types 3F.PRK

Watertight applications – High load capacity seal

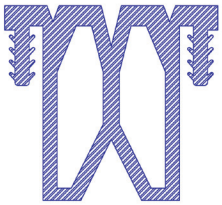
Use: Assembly suitable for floors with high vehicular or pedestrian traffic. Mechanical fixing of non-visible, aluminium retainers ensures secure, long-lasting fixing avoiding weathering of mastic sealant. Perfectly water-tight seal which ensures smooth bump-free passing and large movement capability without losing its shape.

Material:
- Non-visible side-frames made of mill finish aluminium alloy 60.63-T5.
- Main seal made of Santoprene TPV in standard black color (other colors available upon request).

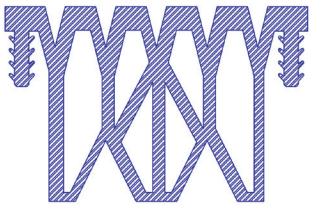
Load capacity: Pedestrian & vehicular traffic.



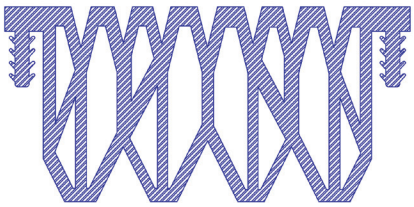
3F.PRK



3F.PRK 50



3F.PRK 75



3F.PRK 100

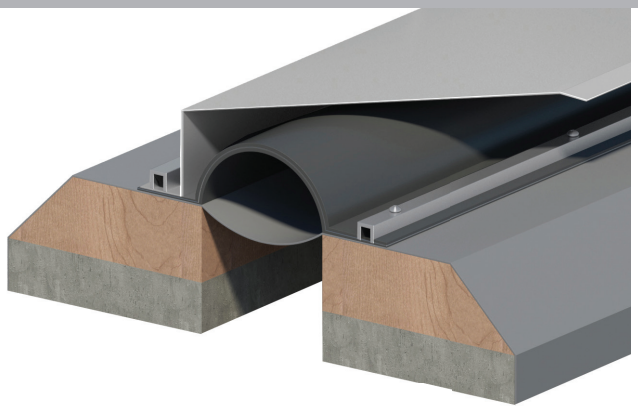
TYPE	"A"	"B"	"H"	Total Movement
3F.PRK 50	50	50	42	50 (+25)
3F.PRK 75	75	75	42	76 (+38)
3F.PRK 100	100	100	42	100 (+50)

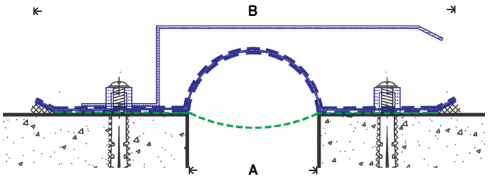
Dimensions in mm

Type R-WTS

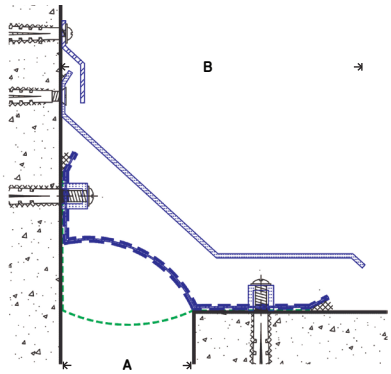
Use: Roof cover system for installation on completed roof surfaces. Remains functional and impermeable during whole weather cycle without losing its thermal or seismic movement capability. Can be incorporated with slab sealing membrane. Available with additional metallic cover.

Material: - 0,8mm thick aluminium foil sandwiched between bitumen membranes.
- Optional cover made of clear-anodised aluminium or zinc-coated steel.
- Ancillary materials required for correct installation (Π-profiles, edge covers etc.) included.





R-WTS



R-WTS/C

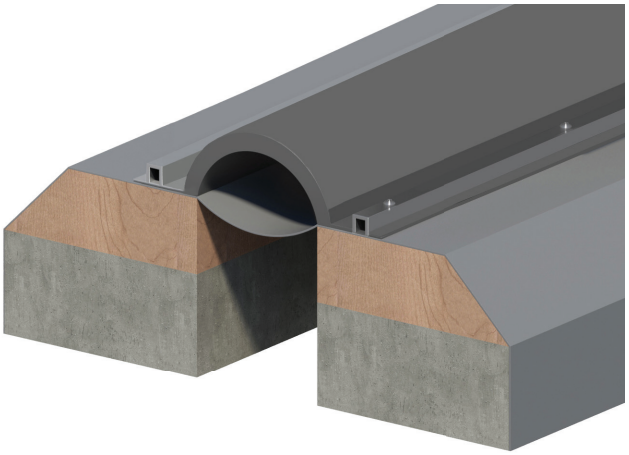
TYPE	"A"	"B"	Total Movement
R-WTS 50	50	150	100
R-WTS 100	100	200	200
R-WTS 150	150	250	300
R-WTS 200	200	300	400
R-WTS/C 50	50	100	100
R-WTS/C 100	100	150	200
R-WTS/C 150	150	200	300
R-WTS/C 200	200	250	400

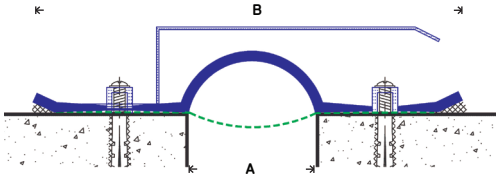
Dimensions in mm

Type R-WTS a

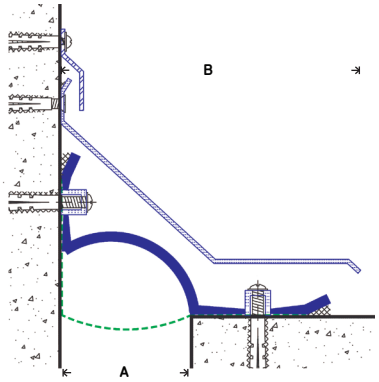
Use: Roof cover system for installation on completed roof surfaces. Remains functional and impermeable during whole weather cycle without losing its thermal or seismic movement capability. Can be incorporated with slab sealing membrane. Available with additional metallic cover.

Material: - Flexible membrane made of 5-10mm thick foam EPDM.
- Optional cover made of clear-anodised aluminium or zinc-coated steel.
- Ancillary materials required for correct installation (Π-profiles, edge covers etc.) included.





R-WTS a



R-WTS/C a

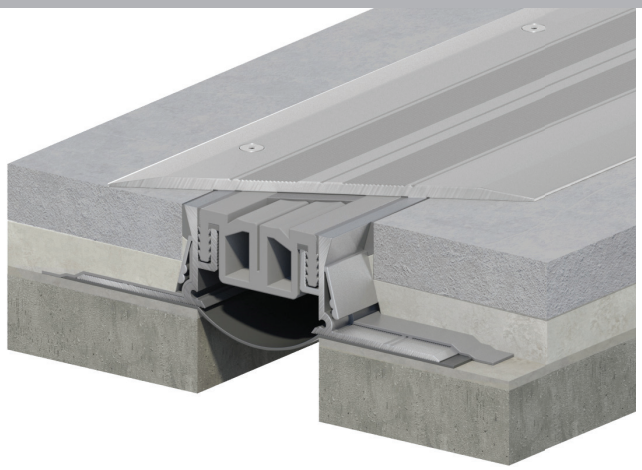
TYPE	"A"	"B"	Total Movement
R-WTS a 50	50	150	100
R-WTS a 100	100	200	200
R-WTS a 150	150	250	300
R-WTS a 200	200	300	400
R-WTS/C a 50	50	100	100
R-WTS/C a 100	100	150	200
R-WTS/C a 150	150	200	300
R-WTS/C a 200	200	250	400

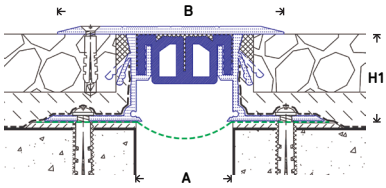
Dimensions in mm

Type 2R-WTS

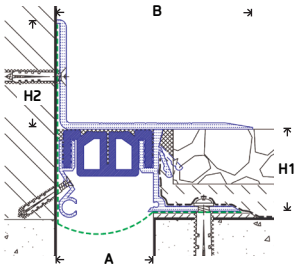
Use: Roof cover system for installation on accessible roofs before finish materials. Assembly bears sealing insert (SIP-LM) that can be continuous from vertical joint and EPDM membrane that can be incorporated with slab sealing membrane ensuring perfect waterproofing. Removable aluminium cover-plate protects insert from mechanical wear.

Material: - Non-visible frames made of mill finish aluminium alloy 60.63-T5. Replaceable visible cover plates made of clear-anodised aluminium alloy 60.63-T5, available with striated of smooth surface.
- Replaceable, non-visible sealing inserts made of UV-PVC or Santoprene TPV.
- Non-reinforced EPDM membrane.





2R-WTS



2R-WTS/C

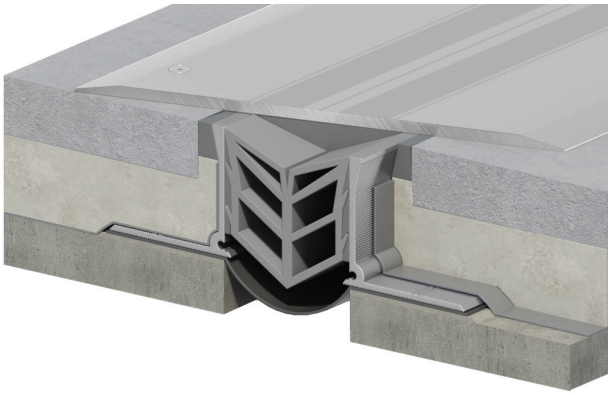
TYPE	"A"	"B"	"H1"	"H2"	Total Movement
2R-WTS 50	50	117	33 , 45	-	70
2R-WTS 100	100	167 , 219	33 , 45	-	125 , 175
2R-WTS 150	150	219	33 , 45	-	180
2R-WTS 200	200	250	33 , 45	-	230
2R-WTS/C 50	50	67	33 , 45	50	60
2R-WTS/C 100	100	117 , 169	33 , 45	50	120 , 170
2R-WTS/C 150	150	219	33 , 45	50	200
2R-WTS/C 200	200	253	33 , 45	50	320

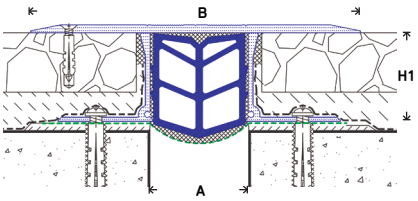
Dimensions in mm

Type 3R-WTS

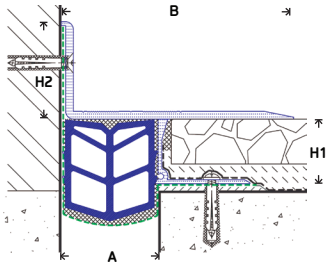
Use: Roof cover system for installation on accessible roofs before finish materials. Assembly bears sealing insert (SIP) that can be continuous from vertical joint and EPDM membrane that can be incorporated with slab sealing membrane ensuring perfect waterproofing. Removable aluminium cover-plate protects insert from mechanical wear.

Material: - Non-visible frames made of mill finish aluminium alloy 60.63-T5. Replaceable visible cover plates made of clear-anodised aluminium alloy 60.63-T5, available with striated of smooth surface.
- Replaceable, non-visible sealing inserts made of UV-PVC or Santoprene TPV.
- Non-reinforced EPDM membrane.





3R-WTS



3R-WTS/C

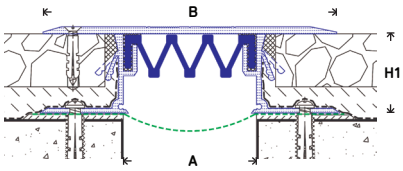
TYPE	"A"	"B"	"H1"	"H2"	Total Movement
3R-WTS 10/15	10-15	117	33 , 45	-	20
3R-WTS 15/20	15-20	117	33 , 45	-	30
3R-WTS 25/30	25-30	117	33 , 45	-	40
3R-WTS 30/40	30-40	117	33 , 45	-	50
3R-WTS 40/50	40-50	167	33 , 45	-	65
3R-WTS 60/80	60-80	167	33 , 45	-	100
3R-WTS 80/100	80-100	219	33 , 45	-	120
3R-WTS/C 10/15	10-15	67	33 , 45	50	20
3R-WTS/C 15/20	15-20	67	33 , 45	50	30
3R-WTS/C 25/30	25-30	67	33 , 45	50	40
3R-WTS/C 30/40	30-40	67	33 , 45	50	50
3R-WTS/C 40/50	40-50	117	33 , 45	50	65
3R-WTS/C 60/80	60-80	117	33 , 45	50	100
3R-WTS/C 80/100	80-100	169	33 , 45	50	120

Dimensions in mm

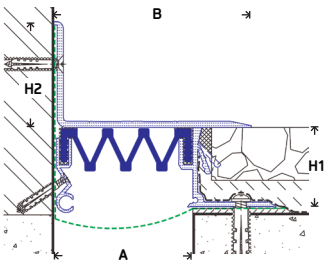
Type 4R-WTS - Accessible roofs

Use: Roof cover system for installation on accessible roofs before finish materials. Assembly bears sealing insert (2SIP-LM) that can be continuous from vertical joint and EPDM membrane that can be incorporated with slab sealing membrane ensuring perfect waterproofing. Removable aluminium cover-plate protects insert from mechanical wear.

Material: - Non-visible frames made of mill finish aluminium alloy 60.63-T5. Replaceable visible cover plates made of clear-anodised aluminium alloy 60.63-T5, available with striated of smooth surface.
- Replaceable, non-visible sealing inserts made of UV-PVC or Santoprene TPV.
- Non-reinforced EPDM membrane.



4R-WTS



4R-WTS/C

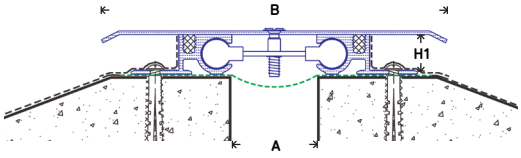
TYPE	"A"	"B"	"H1"	"H2"	Total Movement
4R-WTS 50	50	117	33 , 45	-	75
4R-WTS 75	75	167	33 , 45	-	100
4R-WTS 100	100	167 , 219	33 , 45	-	125 , 150
4R-WTS 150	150	219	33 , 45	-	180
4R-WTS 200	200	250	33 , 45	-	230
4R-WTS/C 50	50	67	33 , 45	60	120
4R-WTS/C 75	75	117	33 , 45	60	150
4R-WTS/C 100	100	117 , 169	33 , 45	60	120 , 170
4R-WTS/C 150	150	286	33 , 45	60	200
4R-WTS/C 200	200	286	33 , 45	60	320

Dimensions in mm

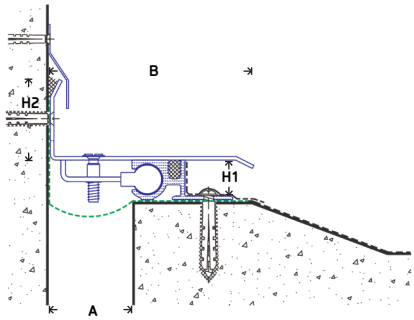
Type 5R-WTS - Seismic movement – Joint gaps up to 300mm

Use: Covers and seals joints in inaccessible roofs. Easy installation on completed surfaces. Cost-effective solution for joint widths up to 300mm with seismic movement requirements. Remains functional and impermeable during whole weather cycle without losing its thermal or seismic movement capability. EPDM membrane can be incorporated with slab sealing membrane ensuring uninterrupted waterproofing.

Material: - Bases and cover-plate of clear anodised aluminium alloy 60.63-T5
- Centering bars made of steel or stainless-steel blades and nylon end balls.



5R-WTS



5R-WTS/C

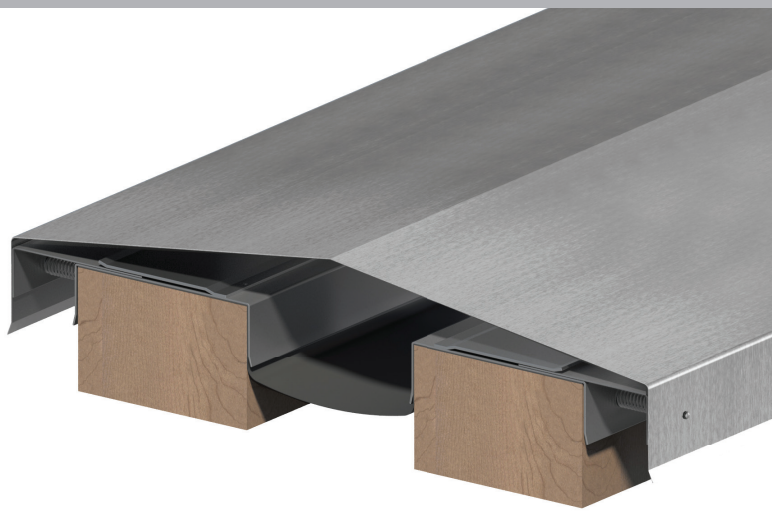
TYPE	"A"	"B"	"H1"	"H2"	Total Movement
5R-WTS 50	50	200	23	-	110 [-30+80]
5R-WTS 100	100	250	23	-	160 [-80+80]
5R-WTS 150	150	300	23	-	210 [-130+80]
5R-WTS 200	200	350	23	-	260 [-180+80]
5R-WTS 250	250	400	23	-	350 [-230+120]
5R-WTS 300	300	450	23	-	420 [-280+140]
5R-WTS/C 50	50	120	23	50	70 [-30+40]
5R-WTS/C 100	100	170	23	50	110 [-70+40]
5R-WTS/C 150	150	220	23	50	160 [-120+40]
5R-WTS/C 200	200	270	23	50	210 [-170+40]
5R-WTS/C 250	250	340	23	50	310 [-220+90]
5R-WTS/C 300	300	410	23	50	370 [-270+100]

Dimensions in mm

ROOF JOINT COVERS Type 6R-WTS

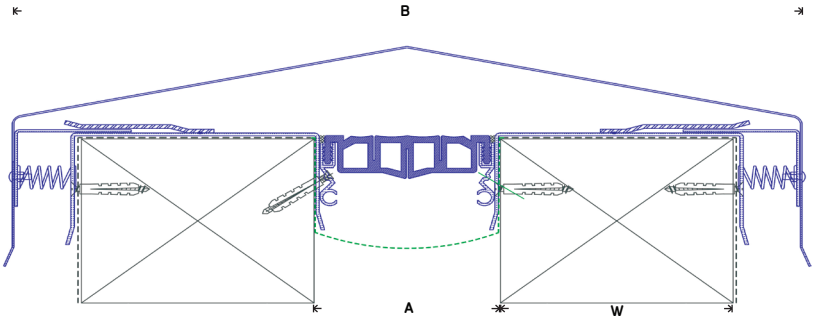
Joint gaps up to 500mm - Multi-directional movement up to ±50%

PATENT PENDING

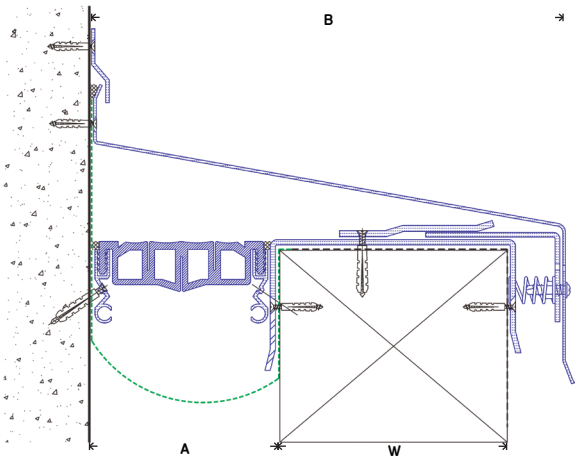


Use: Covers and seals joints in inaccessible roofs. Assembly bears separate sealing system which that can be continuous from vertical joint and be incorporated with slab sealing membrane offering multilayered sealing. Compression springs retain main cover in place during whole weather cycle without losing its thermal or seismic movement capability.

Material: - Visible cover made of AISI 304 stainless steel, clear-anodised aluminium or zinc-coated steel.
- Parapet covers made of stainless steel or zinc-coated steel.
- Sealing system:
> For joint gaps up to 200mm: types SIP-LM or 2SIP-LM or 3SIP-LM consisting of aluminium side-framess and Santoprene TPV Shore 38 insert.
> For joint gaps over 200mm: non-reinforced EPDM membrane



6R-WTS



6R-WTS/C

TYPE	"A"	"B" "W"	Total Movement
6R-WTS 200	200	Custom dimensions according to width of parapets and required movement	200 [-100+100]
6R-WTS 300	300		300 [-150+150]
6R-WTS 400	400		400 [-200+200]
6R-WTS 500	500		500 [-250+250]
6R-WTS/C 200	200		200 [-100+100]
6R-WTS/C 300	300		300 [-150+150]
6R-WTS/C 400	400		400 [-200+200]
6R-WTS/C 500	500		500 [-250+250]

Dimensions in mm

FIRE BARRIER ⚠ Type Pyrobarrier FwB

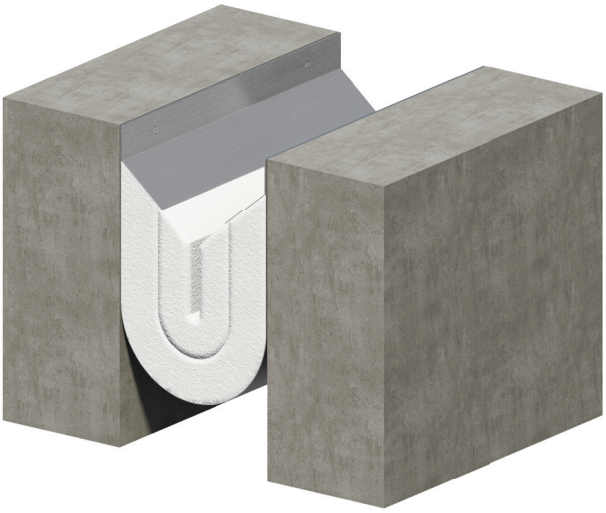
4-hour rated fire-barrier for horizontal & vertical applications - Movement capability up to ±100%

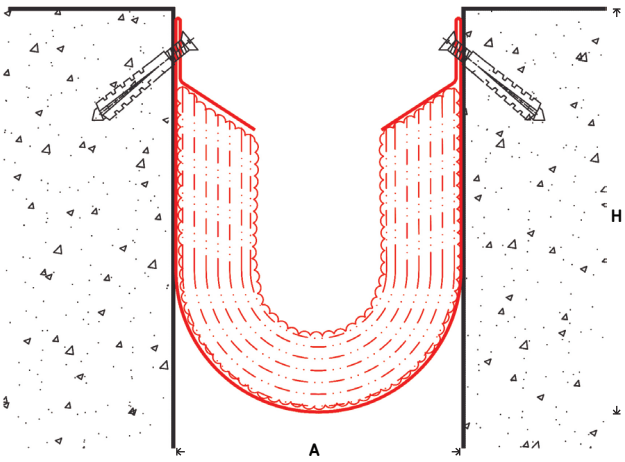
Use: Blanket type fire-barrier to prevent transmission of smoke and flame through horizontal and vertical expansion joint gaps. Easy on-site installation without additional splicing accessories..

Material: Fire-proof core material encapsulated in stainless steel foil.
System available with following designs to match various joint conditions and installation environment:

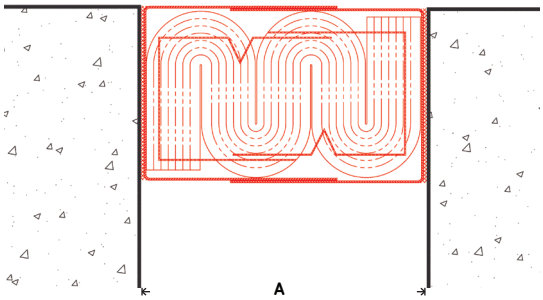
i. Standard option: with side-flanges for mechanical fixing,
ii. Self-retaining design: assembly that expands in the joint gap and follows joint movement.
iii. Block-shape assembly with incorporated compression spring. This type is recommended for joints with limited installation depth.
Fire-proof mastic sealants may be used per case.

CERTIFICATIONS: Systems classified as A1 (non-combustible) under EN 13501-1:2018.
Seismic movement for self-retaining assembly verified under ASTM E1399/E1399M - 97(2017).
Core-material tested under EN 13501-1/2018, EN ISO 1716, EN ISO 1182 & EN ISO 15117.
Various intumescent mastic sealants tested under ASTM E 814, BS 476: Part 20, UL 2079 & EN 1366-4 can be recommended.

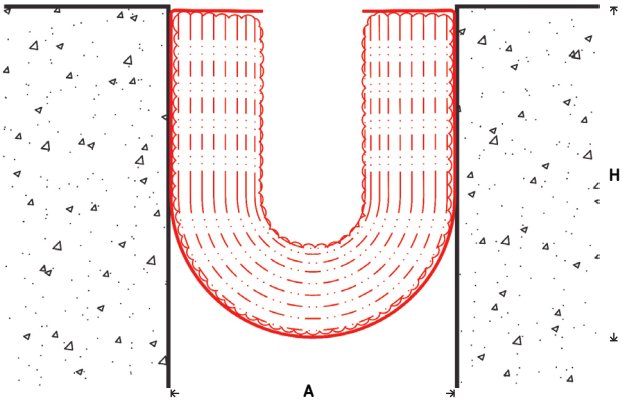




FwB standard option



FwB BLOCK



FwB self-retaining system

Custom-sizes to meet specific dimension requirements available upon request

TYPE	"A"	"H"	Total Movement
FwB 30	30	50	up to ±100%
FwB 50	50	75	up to ±100%
FwB 75	75	85	up to ±100%
FwB 100	100	100	up to ±100%
FwB 150	150	125	up to ±100%
FwB 200	200	150	up to ±100%
FwB 250	250	175	up to ±100%
FwB 300	300	200	up to ±100%

Dimensions in mm

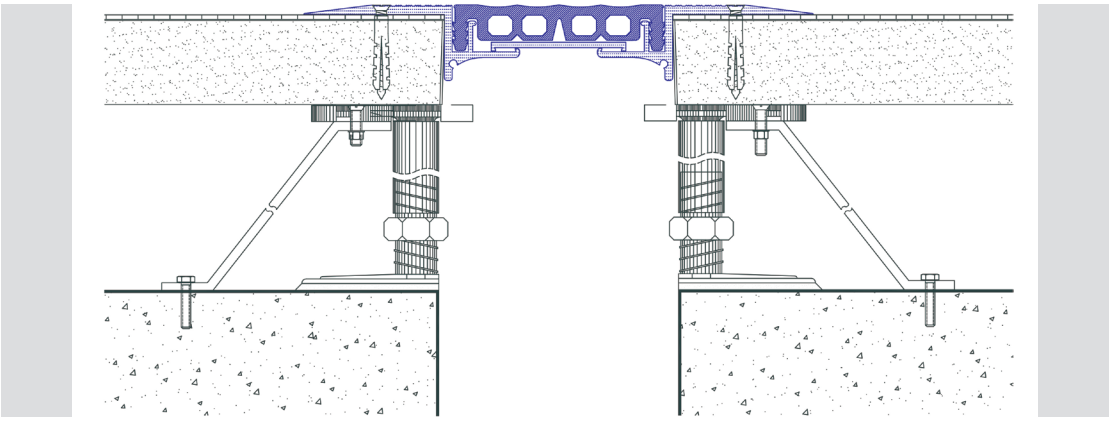
> Corner options also available <

expansion joint covers
ON RAISED FLOORS

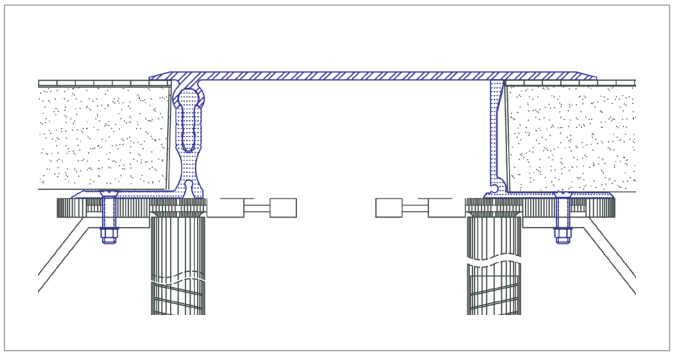
-> Most of our floor joint covers can be installed on raised floors.

-> Below are a few indicative examples of expansion joint covers on raised floors.
Depending on the rising floor specifications additional supporting assemblies may be required.

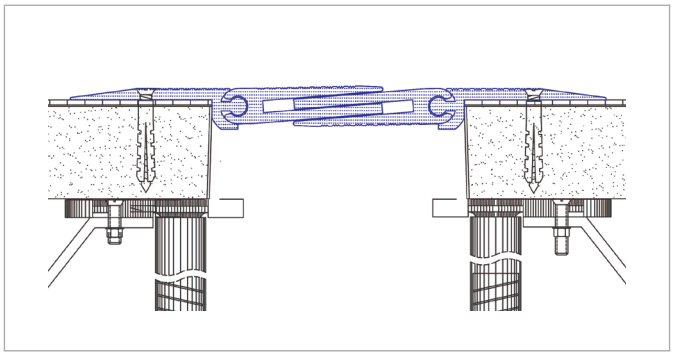
-> For specific application guidelines feel free to contact us.



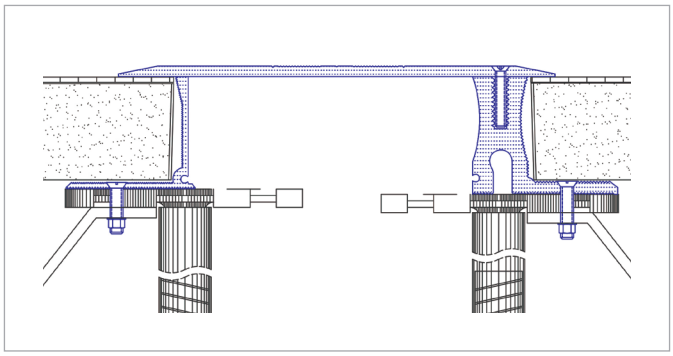
3FAS-AM



F.IF-AL & F.IF-IN



FAS & 4FAS



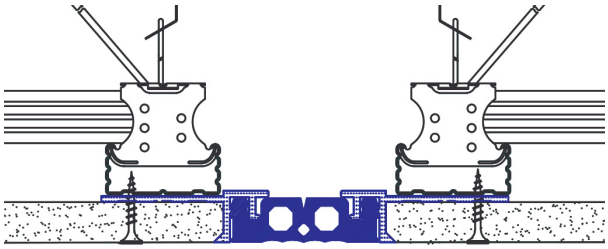
2FSP-AL & 3FSP-IN

expansion joint covers
ON SUSPENDED CEILINGS

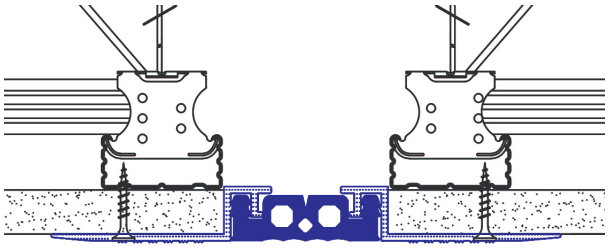
-> All our wall joint covers can be installed on suspended ceilings applications.

-> Below are a few indicative examples of expansion joint covers on ceilings with mineral fiber boards or gypsum boards.

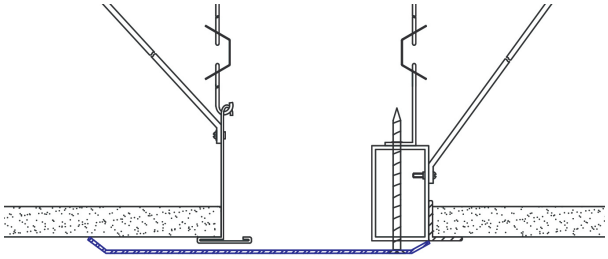
-> For any technical inquiries feel free to contact us.



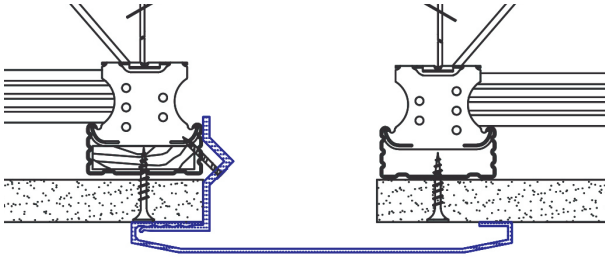
2W.BP



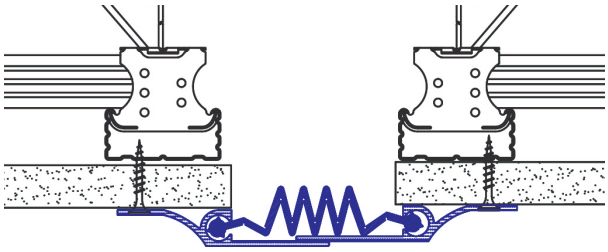
2W.AP



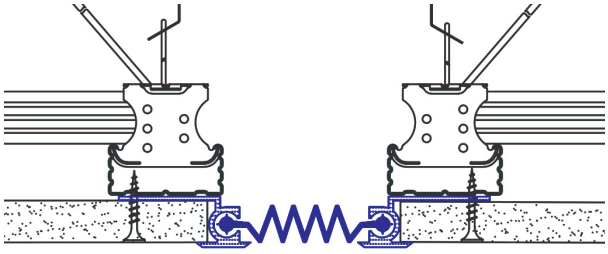
W.AP-IN



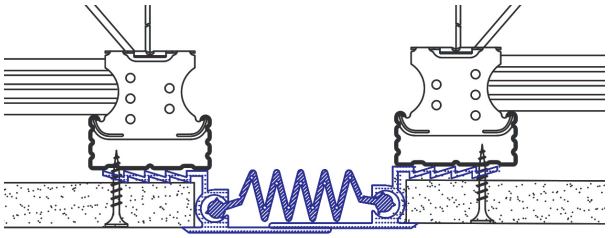
2W.IF-AL



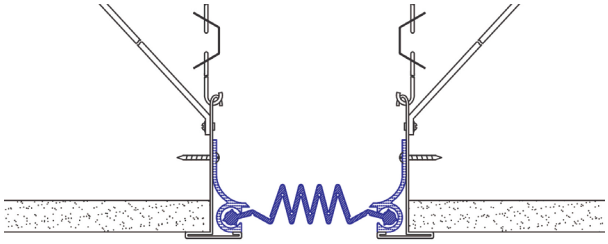
W+P.AP



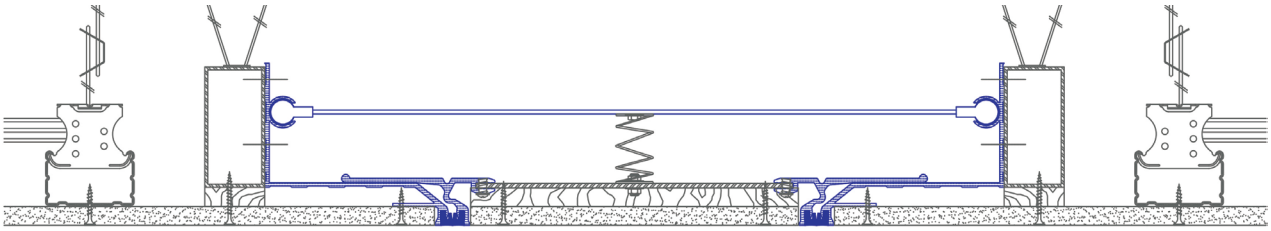
D.W



W+P.BP



W.AP/CC



2W.BRG-AL

materials
SPECIFICATION OVERVIEW

-> Extruded aluminium alloy **6063T5, ASTM B221.**

-> Aluminium sheet alloy **6061-T6, ASTM B 209.**

-> Cold-rolled stainless steel **AISI 304 & AISI 316, EN 10088-2, ASTM A276, ASTM A240.**

-> UV-PVC **Shore A 39-67. ASTM D2240, ASTM D792, ASTM D412-C, ASTM D624-C & ASTM D395-B.**

-> TPV santoprene **Shore A 39-67, ASTM D2240, ASTM D792, D412-C.**

-> EPDM membrane **EN 1928, EN 12311-2, EN 12730, EN 12310.**

Available anodization colours* at QUALANOD-licensed anodizing plants:

Natural aluminium:

Clear/matte	OX-01
Glossy (silver)	GL-01

Stainless steel:

Clear/matte	OX-02
Glossy (silver)	GL-02
Brushed	KL-01

Black:

Clear/matte	OX-07
Glossy	GL-05
Brushed	KL-02

Gold:

Matte	BX2
Glossy	GL-06

Bronze:

Light	BX1
Dark	BX3

Brown:

Dark matte	OX-06
Chocolate brown matte	OX-05
Light matte	OX-04

Champagne:

Matte	OX-03
Glossy	GL-03

PVC & Santoprene standard colours:

Black (similar to RAL 9011)	Grey (similar to RAL 7032)	Beige (similar to RAL 1015)

Product part -> Production length

Aluminium profiles: 3 & 4m long pieces

Stainless steel & brass: 3m long pieces

UV-PVC & santoprene inserts: 20 & 50m long rolls

Fire-barrier: 3m long pieces

* Due to media limitations above colours may vary.
Please contact us to send you the aluminium colour chart with exact colour shades.

The accurate and complete information and data included in previous pages cannot be absolutely guaranteed.
Although provided information is, to the best of our knowledge, accurate, and has been organized with great caution, errors may occur.
We reserve the right to modify technical specifications of our products without any obligation of previous notice. The production of our products bases on extensive surveys of global market, up-to-date quality and performance standards. However, in case of selection of our products, the customer or third parties are not released from the obligation of controls on the suitability for the intended use.

All texts, drawings and images are property of ACP HELLAS and protected by intellectual property laws and may be used only with written permission.

our presence
WORLDWIDE

Olympic Venues, Greece

Pacific Center & hospital, Panama

Hospital Dr. Carlos Cisternas, Chile

*GREECE: SNFCC: ID 76453651 © Milan Gonda | Dreamstime.com
*PANAMA: Pacific Center & hospital: ID 140270089 © Amaiquez | Dreamstime.com
*ABU DHABI: Yas Marina Hotel: ID 104940039 © Elizabeth Coughlan | Dreamstime.com
*HONG KONG: Central government office: ID 39616569 © Leung Cho Pan | Dreamstime.com

Haramain High Speed railway, Jeddah Station, KSA

Central government complex, Hong Kong

SNFCC complex, Greece

Yas Marina Hotel, Abu Dhabi, UAE

Design Manufacture Trade of
Architectural Construction Joints

ACP HELLAS LTD
24 Mylopotamou str.
115 26 Athens, GREECE

tel: +30 210 6928309
+30 210 6917665
fax: +30 210 6928310

email: info@acp-hellas.com
www.acp-hellas.com

ACP hellas ltd
movement joints technology