

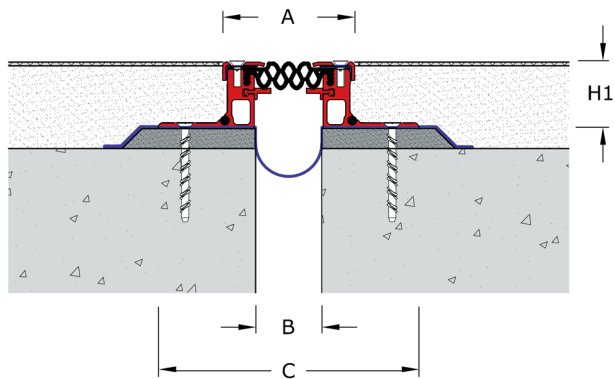
MECHANICAL EXPANSION JOINT

Floor to Floor | Floor to Wall

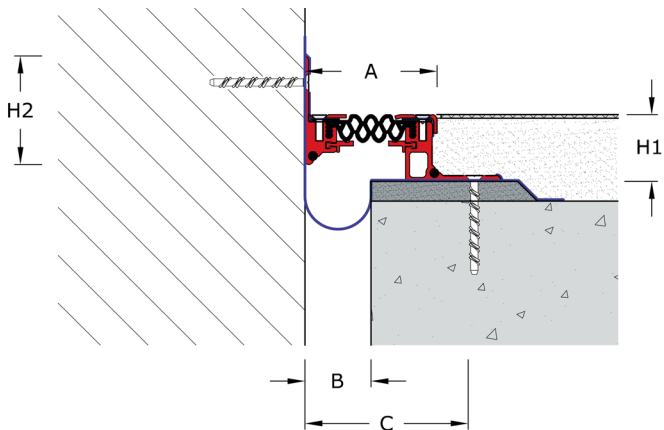
25 -100 mm (1 - 4") Expansion Gaps

TransAtec 1106 : S01-S02

TransAtec 1106 : S01



TransAtec 1106 : S02



Expansion Joint Selection Criteria

Load Rating

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Rating				Product Dimensions Height		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]					H1 (mm)	H2 (mm)			
Floor - Floor	25	± 10	[20]	5 kN	31 kN	30 kN	630 kN	28: 35: 50: 75	-	75	173	1106-S01-025-(H1)
	50	± 20	[40]							100	198	1106-S01-050-(H1)
	75	± 30	[60]							125	223	1106-S01-075-(H1)
	100	± 40	[80]							150	248	1106-S01-100-(H1)
Floor - Wall	25	± 10	[20]	5 kN	31 kN	30 kN	630 kN	28: 35: 50: 75	82	75	124	1106-S02-025-(H1)
	50	± 20	[40]							100	149	1106-S02-050-(H1)
	75	± 30	[60]							125	174	1106-S02-075-(H1)
	100	± 40	[80]							150	199	1106-S02-100-(H1)

Secondary membrane or structural waterproofing bonded to the substrate.

316-grade stainless-steel capping

Optional Aquatec 1500 secondary membrane epoxy bonded to the substrate either side of the expansion gap. This membrane is looped into the expansion gap to accommodate movement.

HTB-180 High Temperature-rated Butyl membrane bonds to both the frame and underside of the stainless steel capping to create a waterproof seal at the surface of the expansion joint.

Central seal

Grade 6063 T6 aluminium frame

Features

Surface

Americans with Disabilities Act (ADA) compliant across the entire movement cycle

Central seal has a ribbed surface for improved slip resistance.

Movement

Good movement capacity

ASTM E-1399 Class I: Thermal
Class II: Wind

Traffic Frequency per day

				
> 25,000	≤ 100	≤ 100	> 25,000	≤ 10

System Options

Gap width(s)	25, 50, 75, 100 mm
Height(s)	28, 35, 50, 75 mm
Metal type(s):	Aluminium 316 - Grade stainless steel cappings
Seal colour(s)	Black, Grey
Fire barrier	120-240 minutes
Waterproofing	Waterproofing membrane
Pre-assembly in factory	Contact Vexcolt

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APPLICATIONS

Airport Terminals | Educational | Exhibition Centres
Department Stores | Distribution & Retail Warehouses
Factories | Hospitals | Museums | Offices & Hotels
Parking | Places of Worship | Residential Buildings
Rail, Metros & Elevated Rail Stations | Roads & Bridges
Shopping Centres | Sports Stadiums | Supermarkets