

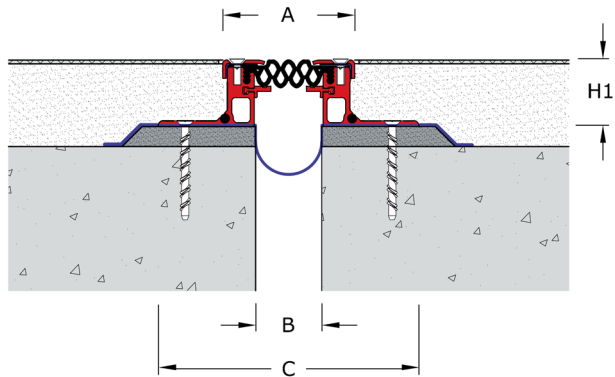
MECHANICAL EXPANSION JOINT

Floor to Floor | Floor to Wall

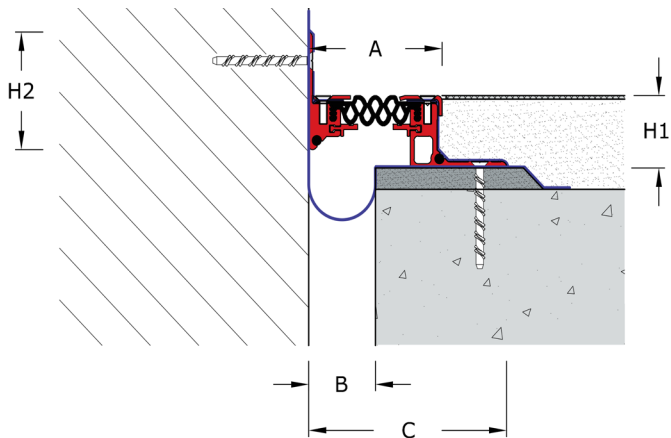
25 -100 mm (1 - 4") Expansion Gaps

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		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: 100	-	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: 100	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.

Grade 6063 T6 aluminium frame

Central seal

TransAtec 1106 : S01-S02

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, 100 mm
Metal type(s):	6063 T5 & T6 Aluminium 316 - Grade stainless steel cappings
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038)
Fire barrier	120 minutes
Waterproofing	Waterproofing membrane
Pre-assembly in factory	Contact Vexcolt



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