

## SEAL EXPANSION JOINT

Concrete to Concrete | Steel to Steel  
50 - 250 mm ( 2 - 10" ) Expansion Gaps

# Omegatec 1300 : A01

## Features

### Surface

Omega-type seal

### Movement

High movement capacity

ASTM E-1399 Class I: Thermal

Class II: Wind

Class III: Seismic

## Traffic Frequency per day



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## System Options

Gap width(s)	50, 80, 100, 140, 200, 250 mm
Height(s)	13, 18 mm
Metal type(s)	Galvanised Steel clamping system
Colour(s)	Black
Fire barrier	120-240 minutes
Waterproofing	Max. water pressure 1.75 MPa
Pre-assembly in factory	Contact Vexcolt

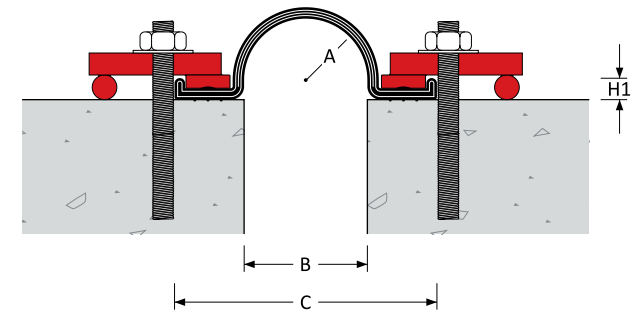


## APPLICATIONS

Immersed Tunnels  
Bored Tunnels  
Aqueducts  
Roads & Bridges  
Submersed Structures

**SEAL EXPANSION JOINT**Concrete to Concrete | Steel to Steel  
50 - 250 mm ( 2 - 10" ) Expansion Gaps**Omegatec 1300 : A01****Expansion Joint Selection Criteria****Load Rating****Product Details**

Joint Location	Gap Width B(mm)	Movement Capacity (mm)		Water Pressure		Product Dimensions				Product Number
		±	[Total]	Seal Fully Open Mpa	Seal Fully Closed Mpa	Height H1 (mm)	Stud Fixing (mm)	Radius A (mm)	Width C (mm)	
Concrete-Concrete Steel - Steel	50	+40/-30	[70]	0.75	1.75	13	M24	25	210	1300-A01-050
	80	+60/-40	[100]					40	240	1300-A01-080
	100	+70/-50	[120]	0.50	1.20			50	260	1300-A01-100
	140	± 70	[140]					70	300	1300-A01-140
	200	± 90	[180]	0.30	0.80		M30	100	360	1300-A01-200
	250	± 100	[200]	0.25	0.75			18	120	410

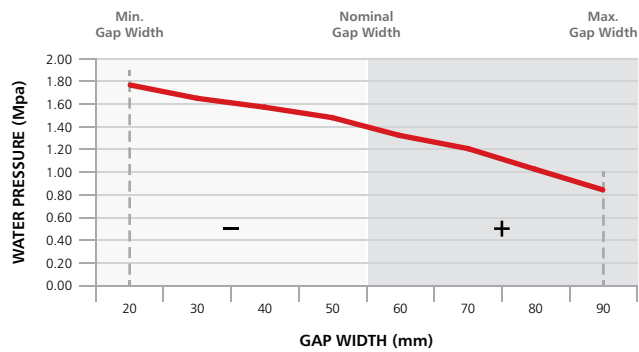


# Omegatec 1300 : A01

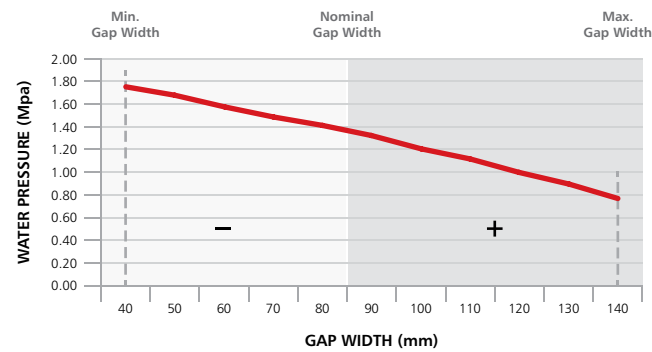
## Water Pressure Capacity vs Seal Movement Range

All **Omegatec 1300 : A01** seals are formed with three layers of nylon reinforcement as standard.  
 The minimum water pressure Factor of Safety is 3.0.

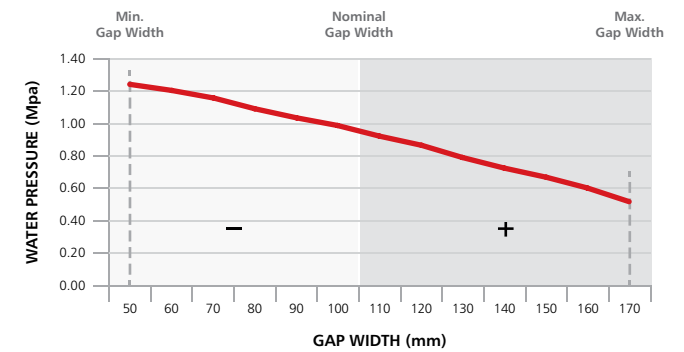
**Omegatec 1300 : A01-050**



**Omegatec 1300 : A01-080**



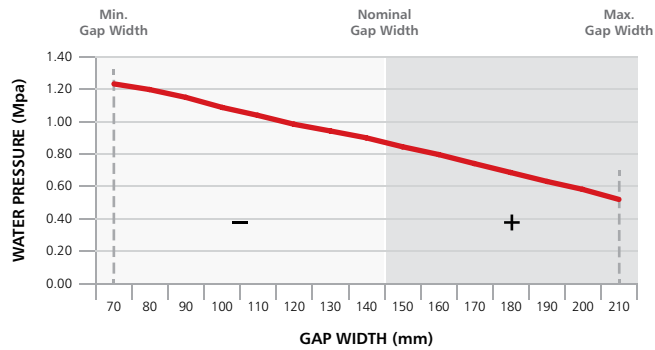
**Omegatec 1300 : A01-100**



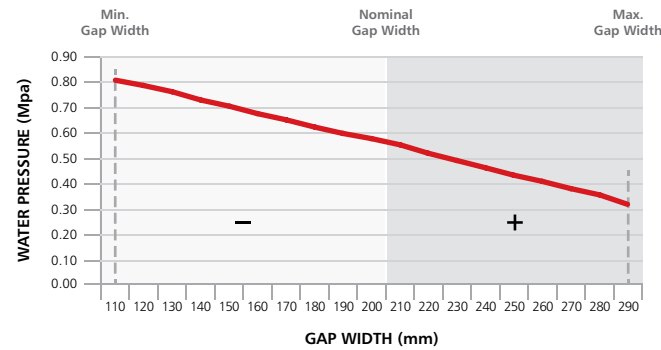
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# Omegatec 1300 : A01

**Omegatec 1300 : A01-140**



**Omegatec 1300 : A01-200**



**Omegatec 1300 : A01-250**

