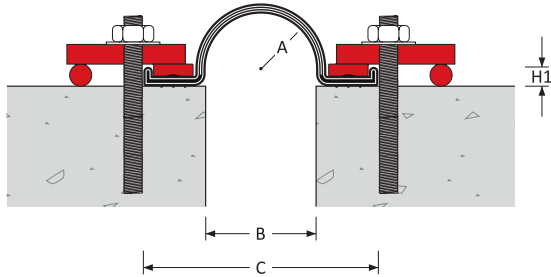


## SEAL EXPANSION JOINT

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<br>B (mm) | Movement Capacity (mm) |         | Water Pressure         |                          | Product Dimensions |                     |                  |                 | Product Number |
|------------------------------------|---------------------|------------------------|---------|------------------------|--------------------------|--------------------|---------------------|------------------|-----------------|----------------|
|                                    |                     | ±                      | [Total] | Seal Fully Open<br>Mpa | Seal Fully Closed<br>Mpa | Height<br>H1 (mm)  | Stud Fixing<br>(mm) | Radius<br>A (mm) | Width<br>C (mm) |                |
| Concrete-Concrete<br>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                     | 18                 | M30                 | 100              | 360             | 1300-A01-200   |
|                                    | 250                 | ± 100                  | [200]   | 0.25                   | 0.75                     |                    |                     | 120              | 410             | 1300-A01-250   |

## 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

|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  |  |  |  |  |
| -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                 |

## 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                  |

## SEAL EXPANSION JOINT

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## Omegatec 1300 : A01



## APPLICATIONS

Immersed Tunnels  
Bored Tunnels  
Aqueducts  
Roads & Bridges  
Submersed Structures

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