

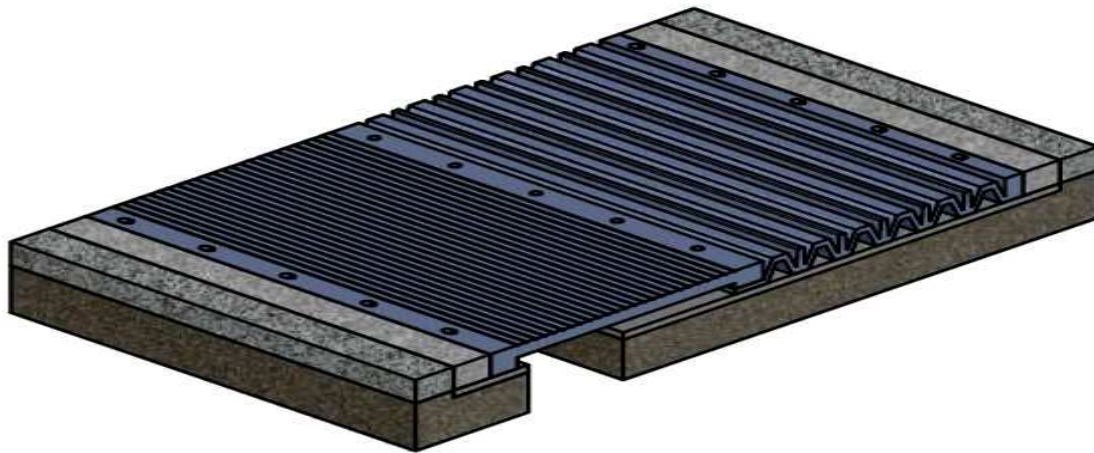
HERFLEX SCM 400 -800



Bridge Expansion Joints (large movements)

Herflex system SCM is designed for large movements. It is formed by a movement module and a bridge module. The movement module is the mobile part formed by rubber and steel, adjusting the planned movements. The metallic module (bridge module) is in charge of bridging the structural gap.

Models HERFLEX SCM 400-800 cover a wide range of movements that go from 400mm to 800mm.



| Models | Main dimensions | | | | | | | | Anchor |
|---------|--------------------|-------|-------|-------|---------------------|---------------------|-------|-------|----------|
| | Allow movement(mm) | A(mm) | B(mm) | C(mm) | C ₁ (mm) | C ₂ (mm) | D(mm) | E(mm) | |
| SCM 400 | 400(±200) | 1000 | 80 | 1280 | 675 | 675 | 200 | 220 | M-20x200 |
| SCM 500 | 500(±250) | 1000 | 80 | 1520 | 765 | 815 | 200 | 270 | M-20x200 |
| SCM 600 | 600(±300) | 1000 | 80 | 1760 | 875 | 955 | 200 | 320 | M-20x200 |
| SCM 700 | 700(±350) | 1000 | 80 | 2000 | 965 | 1095 | 200 | 370 | M-20x200 |
| SCM 800 | 800(±400) | 1000 | 80 | 2240 | 1065 | 1235 | 200 | 420 | M-20x200 |

A- Length

B- Height

C- Width

C1- Width of bridge module (standard dimension subject to variations depending on gap)

C2- Width of movement module

D- Transverse distance between anchors

E- Longitudinal distance between anchors

M- Bolt diameter

These joints offer an excellent sealing, low maintenance and easy replacement.

Main applications:

- Structures with movement range between 400mm and 800mm.
- Large structures
- Viaducts and bridges in elevated areas

Technical information:

| Elastomer properties | Value | Test method |
|---|---|---------------------------------------|
| Hardness | 62±5 Shore A | ASTM D2240 |
| Elongation at break | >450 % | ASTM D412. Muestra C |
| Tensile strength | >15 Mpa | ASTM D412. Muestra C |
| Rubber-steel adhesion | >8 N/mm | ASTM D429 Método B |
| Low temperature strength | Uncrystallized | ASTM D746 (1hour at -40º) |
| Ozone resistance | No cracks | ASTM D1171 (48 hours at 38ºC;25 PPHM) |
| Compression set | <20% | ASTM D395 MétodoB(24 hours at 70ºC) |
| Thermal aging | Tensile strength Max -20% Elongatio at break máx.-25%,min+10% Hardness máx. ±5 Sh.A | Aging ASTM D573 (168 HOURS AT 70ºC) |
| Metal component: Steel fabricated acc. EN10025 Type SC235 | | |

Notes:

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