

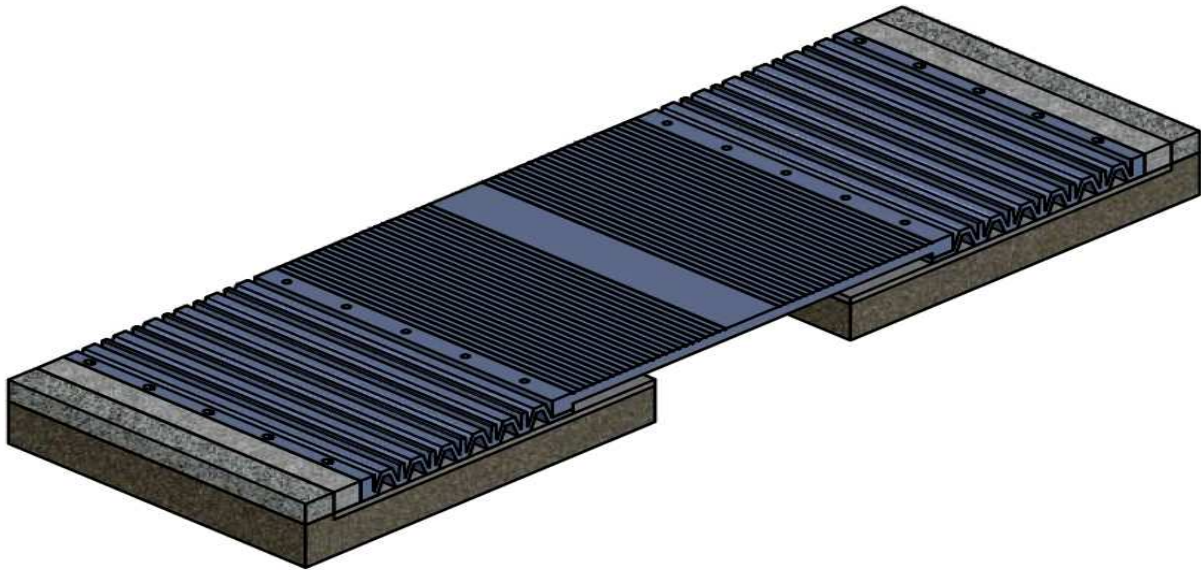
HERFLEX SCM 900-1600



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 900-1600 cover a wide range of movements that go from 900mm to 1600mm.



Models	Allow movement (mm)	Main dimensions							Anchor	
		A(mm)	B(mm)	C(mm)	C ₁ (mm)	C ₂ (mm)		D(mm)		E(mm)
						C ₂ (a)	C ₂ (b)			
SCM 900	900(±450)	1000	80	2460	1090	675	815	200	470	M-20x200
SCM 1000	1000(±500)	1000	80	2700	1190	815	815	200	520	M-20x200
SCM 1100	1100(±550)	1000	80	2940	1290	815	955	200	570	M-20x200
SCM 1200	1200(±600)	1000	80	3180	1390	955	955	200	620	M-20x200
SCM 1300	1300(±650)	1000	80	3420	1490	955	1095	200	670	M-20x200
SCM 1400	1400(±700)	1000	80	3660	1590	1095	1095	200	720	M-20x200
SCM 1500	1500(±750)	1000	80	3900	1690	1095	1235	200	770	M-20x200
SCM 1600	1600(±800)	1000	80	4140	1790	1235	1235	200	820	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 900mm and 1600mm.
- 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:

Information on this technical sheet is merely indicative and is based on laboratory experimental results. HERFLEX SYSTEMS does not accept any responsibility if any of the data supplied suffers any variations or if is not correct. In the same way, any recommendation or product use suggestions are provided without any guarantee as the mode of use cannot be controlled by HERFLEX SYSTEMS. Therefore, it is the responsibility of the customer to make sure that the product is appropriate for the required application, as well as its correct usage.

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