

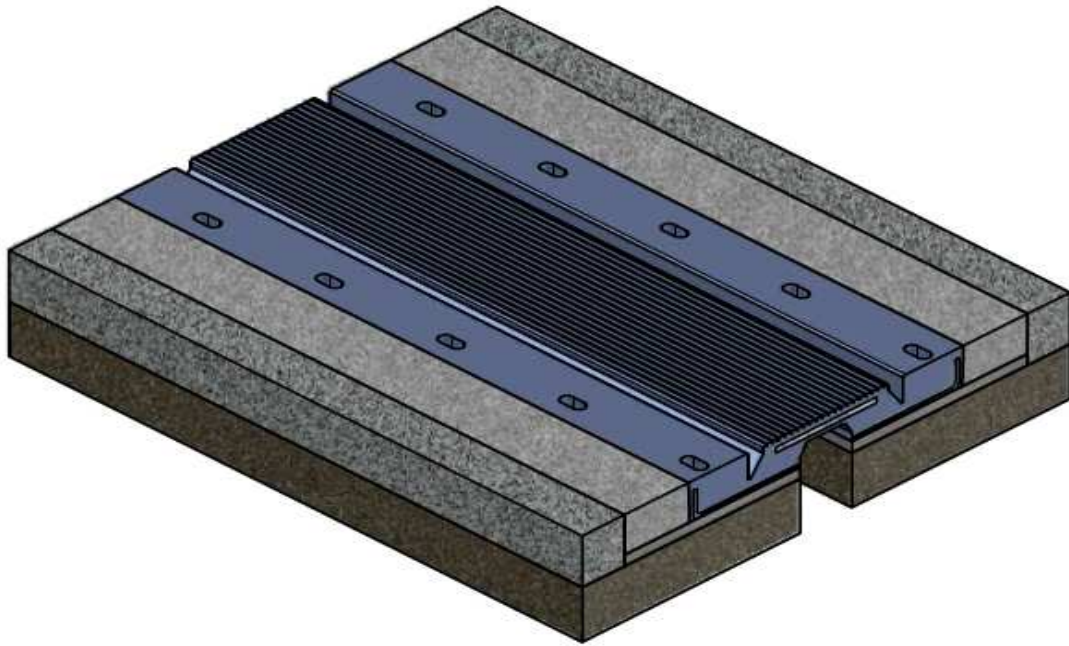
HERFLEX SC42 - SC80



Bridge Expansion Joints

Herflex system allows the absorption of large movements due to its multidirectional deformation elastic element. Effective sealing, low maintenance and easy replacement are guaranteed.

HERFLEX HF models cover a movement range that goes from 42mm to 80mm.



Models	Main Dimensions							Anchor
	Allow movement (mm)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	
SC-42	42(±21)	1835	35	245	188	334	35	M-14x120
SC-52	52(±26)	1830	40	270	220	305	48	M-14x120
SC-70	70(±35)	1835	45	360	280	305	70	M-16x150
SC-80	80(±40)	1840	54	448	342	305	80	M-18x160

A- Length

B- Height

C- Width

D- Transverse distance between anchors

E- Longitudinal distance between anchors

F- Maximum opening at the moment of installation at average temperature

G- Bolt diameter

Main applications:

- Bridges with a movement range lower than 180mm
- Medium size structures
- Parkings
- Pedestrian bridges

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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