



DEWMARK
METALL

SG 81



Joint width
20-150 mm



Recess
mounted



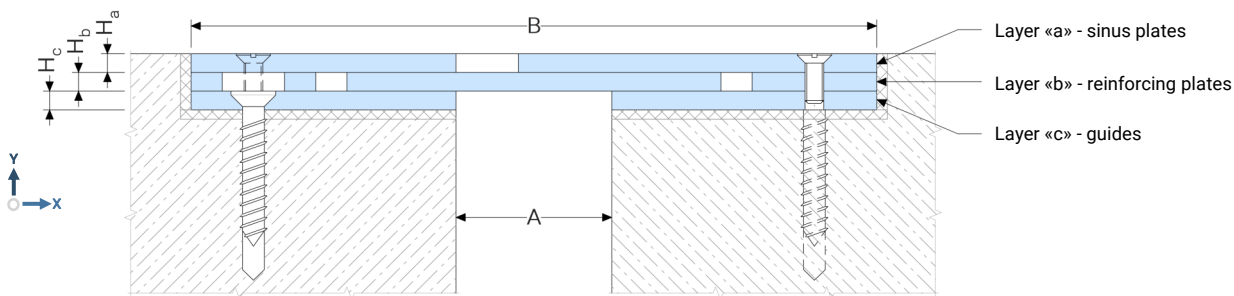
Max load
600 kN



Movements in 2
directions



Indoor/
outdoor



Profile	Standard options ¹	A (mm)	B (mm)	Layer thickness ² (mm)			Movements ³		Permissible loads (kN)		
				H _a	H _b	H _c	M _x (mm)	M _y ⁴ (mm)			
SG 81/20-190/15		20	190	5	5	5	30 (+15/-15)	—	600	300	150
SG 81/30-200/15		30	200	5	5	5	30 (+15/-15)	—	600	300	150
SG 81/50-220/15	BBB /	50	220	5	5	5	30 (+15/-15)	—	600	300	150
SG 81/80-260/19	HBB / HHB / HHH / 4BB / 44B / 444 /	80	260	5	6	8	30 (+15/-15)	—	600	300	150
SG 81/100-280/21	3BB / 33B / 333	100	280	5	8	8	30 (+15/-15)	—	600	300	150
SG 81/120-320/23		120	320	5	8	10	30 (+15/-15)	—	600	300	150
SG 81/150-350/25		150	350	5	10	10	30 (+15/-15)	—	600	300	150

¹ The profile is made to order from different materials of the components of the profile layers a, b and c (see technical data):

- B – Steel S235 with powder coating⁷;
- H – Steel S235 with hot dip galvanized⁸;
- 4 – Stainless steel 1.4016;
- 3 – Stainless steel 1.4301;

² Standard layer thicknesses are indicated. On request, the layers can be made in other thicknesses.

³ Standard movements limits are given. On request, the profile is produced with other movements limits - ask for data.

Technical data

PROFILE SECTIONS ¹			
Material	S235 (1.0038)	AISI 430 (1.4016)	AISI 304 (1.4301)
Strength, MPa	$\sigma_B=360-510$	$\sigma_B=450$	$\sigma_B=515$
Length, m	3,0 ⁵		
Tooling	Mounting holes		
Fasteners	The profile is supplied assembled with fasteners ⁶		
Surface coat	<ul style="list-style-type: none"> • Powder⁷ • Galvanized⁸ 	Without coating	

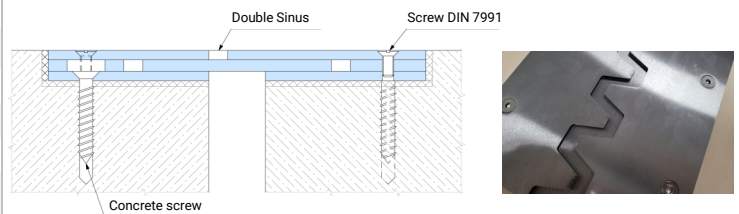
⁵ Profile length can be changed upon request.

⁶ Профиль The profile is supplied assembled, using mounting brackets, to the required width of the expansion joint. Kit includes RAWLPLUG R-LX high strength concrete screws and DIN 7991 A2 stainless steel mounting screws.

⁷ Powder coated in any RAL color⁹

⁸ Hot dip galvanizing according to EN 1461.

MODEL



BENEFITS: Unlike the standard sinus profile, the SG 81 profile has a double sinus configuration (Double sinus), which allows it to work in the full range of both transverse and longitudinal movements.

Pay attention

⁴ Vertical movements are not allowed.

⁷ The warranty does not cover powder coating.

! For continuous operation, periodic profile cleaning is recommended. The accumulation of dirt leads to the breakdown of the profile.