



Description

Reinforced profile with flat sine meshing of the upper strips for impact-free passage of the formed shrinkage joint.

Allows you to adjust the height of the profile over a wide range and is especially convenient when pouring concrete slabs of different thicknesses in the same room.

The profiles are designed for loads according to TR 34 4th edition and Eurocode 2: EN 1992-1-1.

Perfectly reinforces the edges of the concrete on both sides of the shrinkage joint and serves as a reliable system for transferring loads during storage and when machinery passes through the joints.

Together with the load distribution system, this allows two adjacent plates to be in the same plane even with a gap of 25 mm.

Suitable for all types of vehicle wheels.

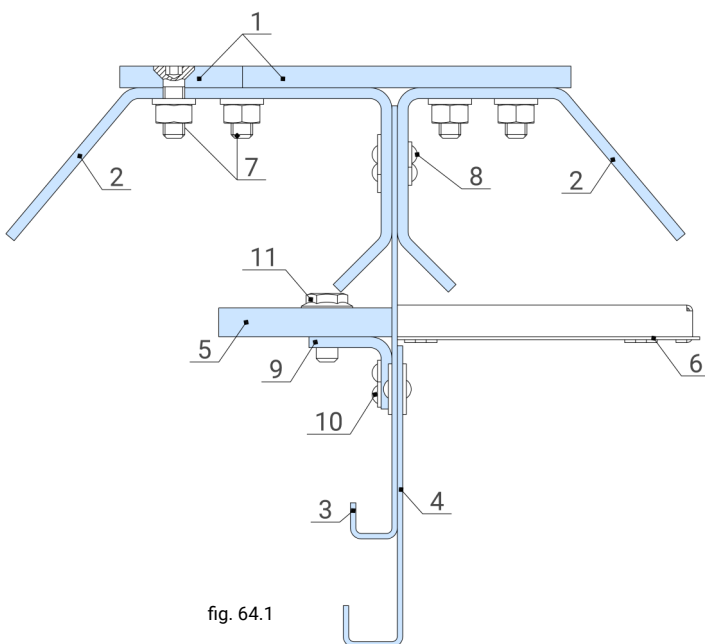


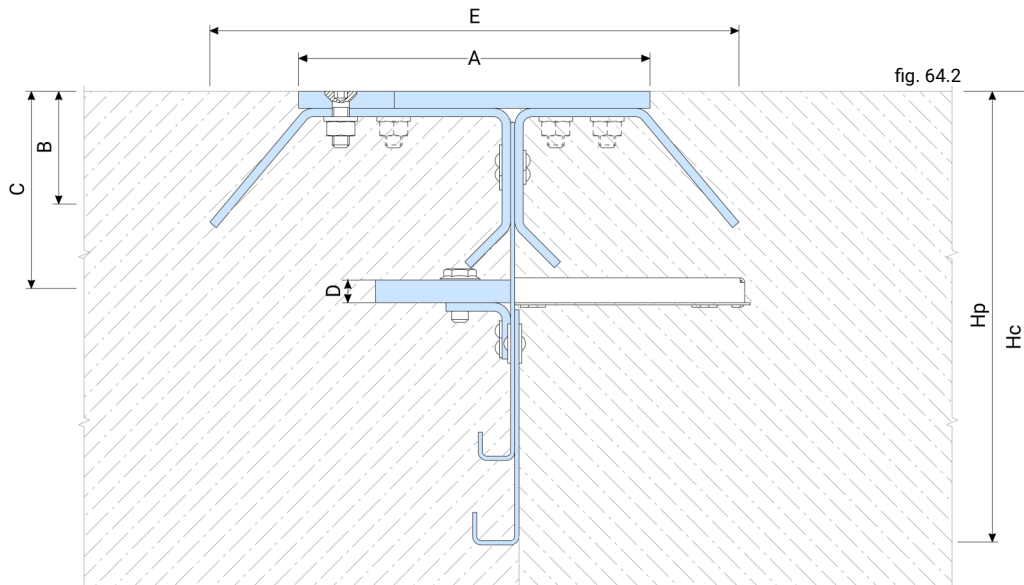
fig. 64.1

Components (specification)

Tab. 64.1

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|----|--|
| 1 | Steel flat sinus plates |
| 2 | Steel guide anchor brackets |
| 3 | Profile body |
| 4 | Adjustable height |
| 5 | Load transfer dowel (3 types) ³ |
| 6 | Dowel steel casing |
| 7 | Screw connection |
| 8 | Riveted fasteners |
| 9 | Dowel mounting bracket |
| 10 | Steel rivet |
| 11 | Fixing screw |

¹ The type of the dowels, depending on the loads, 5 or 8 mm (see Calculation of loads).



Tab. 64.2

Profile	Hp ³ (mm)	Hc (mm)	A (mm)	B (mm)	C ⁴ (mm)	D ¹ (mm)	E (mm)	c/c ² (mm)	L (mm)
SG 64/145(185)-... ¹ /ADJ	145-185	150-200	125	220	75	5 / 8 / 8XL	190	600 / 500	3000
SG 64/160(200)-... ¹ /ADJ	160-200	165-220	125	220	85	5 / 8 / 8XL	190	600 / 500	3000
SG 64/200(265)-... ¹ /ADJ	200-265	220-280	125	220	110	5 / 8 / 8XL	190	600 / 500	3000
SG 64/290(450)-... ¹ /ADJ	290-350	300-370	125	220	150	5 / 8 / 8XL	190	600 / 500	3000

¹ ... — Dowel thickness and type. Selected depending on the loads (see Calculation of loads).

² c/c — Distance between dowel centers (600 mm for 60/OP-5 and 60/OP8, 500 mm for 60/OP8XL— see Calculation of loads).

³ — Profiles can be produced to any height on request.

⁴ — **NOTE!** When calculating loads, keep in mind that the dowel is always at the same distance "C" from the concrete surface.

PARTS MATERIALS AND MANUFACTURING METHODS (as per specification)

Tab. 64.3

Profile	Nº	Component	Steel	EN	Manufacturing method
		Steel sinus strip (6 mm)	S355J0	10025-2	Laser cutting
	1	+ hot-dip galvanized HDG*	S355J0	10025-2	+ galvanized according EN 1461
		+ steel strips AISI 304*	1.4016	10088-2	Laser cutting
	2	Steel anchor angle	S235J0	13918:2017	Stamping, bending
	3/4	Profile base + height	DC01	10130:2006	Stamping, bending
		Dowel	S355J0	10025-2	Laser cutting
	5	+ hot-dip galvanized HDG*	S355J0	10025-2	+ galvanized according EN 1461
		+ steel strips AISI 304*	1.4016	10088-2	Laser cutting
	6	Dowel casing	DC01	10130:2006	Stamping, bending

fig. 64.3

* — On request, the profiles can be fully or partially produced from corrosion-resistant steels: hot-dip galvanized (HDG) structural steels or stainless (AISI 304) steels. In this case, special designations are added to the profiles:

For HDG

HDG — the upper strips are galvanized;
 HDDG — the upper strips with anchors + dowels are galvanized;
 FHDG — the profile is fully galvanized.

For AISI 304

SS — upper strips made of AISI 304 steel;
 HSS — upper strips + dowels made of AISI 304 steel;
 FSS — profile made entirely of AISI 304 steel.

MANUFACTURING TOLERANCES

Tab. 64.4

Length	±0,1 mm	Height	±1 mm	Straightness	±0,5 mm/m	Curl	<0,5 ⁰ /m
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