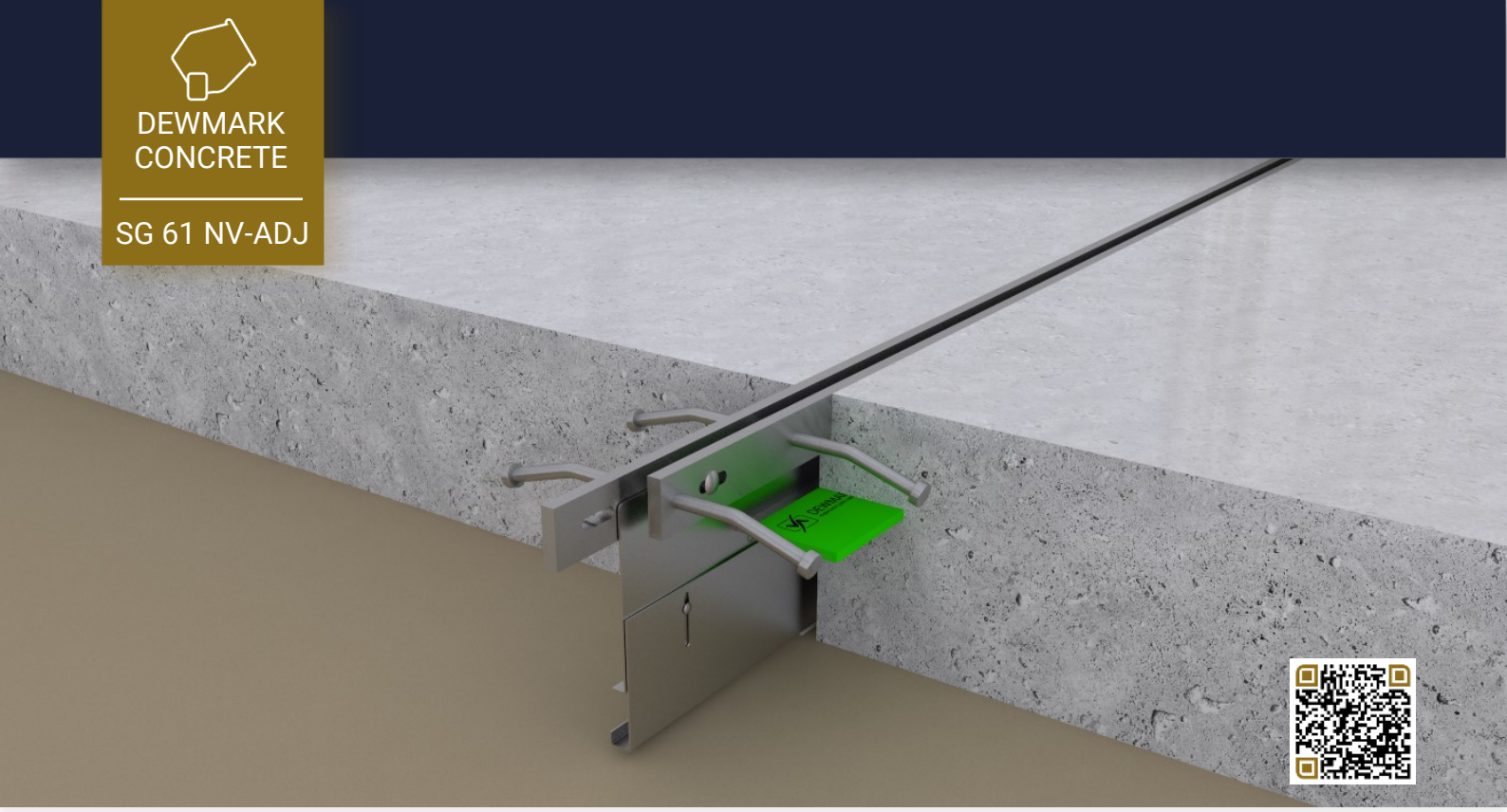
DEWMARK CONCRETE

SG 61 NV-ADJ



Description

Adjustable version of the modernized profile SG 61 NV.

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

Perfectly reinforces the edges of concrete on both sides of the shrink joint, as well as serves as a reliable system for transferring loads during storage and when equipment passes through the joint.

The unique centering system of the upper strips, along with the load transfer system, allows two adjacent slabs to be in the same plane with a shrink joint opening up to 30 mm.

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

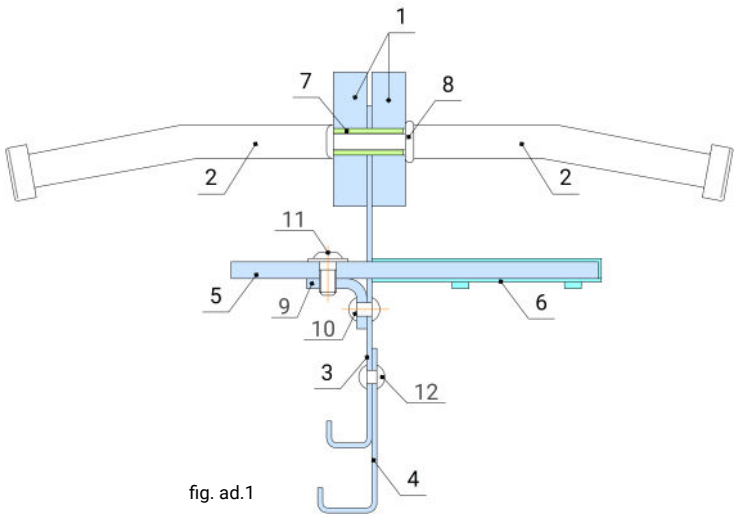


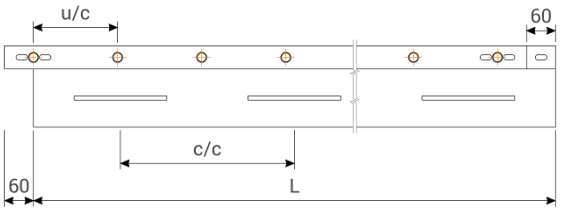
fig. ad.1

Accessories		Tab. ad.1
1	Cold rolled steel strips 10x40 mm[1]	
2	Anchor stud SD (Nelson)	
3	Profile body	
4	Adjustable height	
5	Load transfer dowel (3 types)[2]	
6	Dowel steel casing	
7	Steel pin	
8	Rivet fasteners	
9	Dowel mounting bracket	
10	Steel rivet	
11	Fixing screw	
12	Steel rivet	

[1] On request, hot-dip galvanized strips and strips made of AISI 304 stainless steel.

[2] The thickness of the dowels, depending on the loads, 5 or 8 mm (see Calculation of loads).

Dimensions and Technical data



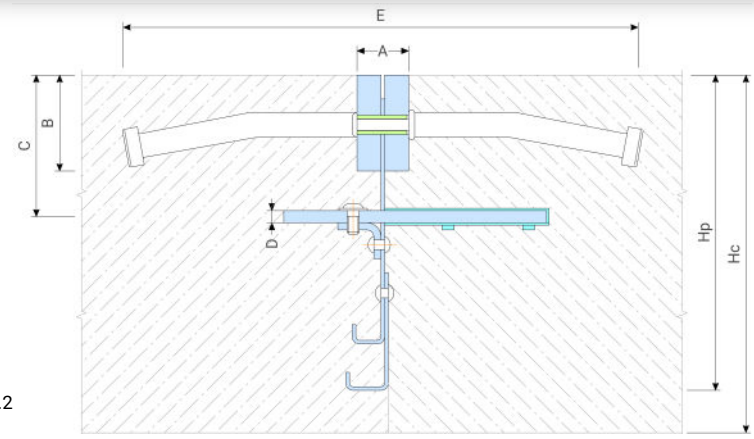


fig. ad.2

Dimensions Tab. ad.2

Profile	H_p (mm)	H_c (mm)	A (mm)	B (mm)	C[5] (mm)	D[1] (mm)	E (mm)	u/c[2] (mm)	c/c[3] (mm)	L (mm)
SG 61-20/90(115)-...[1]/NV-ADJ	90-115	95-130	21,5	40	50	5 / 8 / 8XL	220	230	600 / 500	3000
SG 61-20/145(185)-...[1]/NV-ADJ	145-185	150-200	21,5	40	75	5 / 8 / 8XL	220	230	600 / 500	3000
SG 61-20/200(265)-...[1]/NV -ADJ	200-265	220-280	21,5	40	100	5 / 8 / 8XL	220	230	600 / 500	3000
SG 61-20/290(350)-...[1]/NV-ADJ	290-350	300-370	21,5	40	140	5 / 8 / 8XL	220	230	600 / 500	3000

[1] ... — Dowel thickness and type. Selected depending on the loads (see Calculation of loads).
[2] u/c — Distance between anchor studs.
[3] c/c — Distance between dowel centers (600 mm for 60/OP-5 and 60/OP8, 500 mm for 60/OP8XL— see Calculation of loads).
[4] — Profiles can be produced to any height on request.
[5] — **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. ad.3

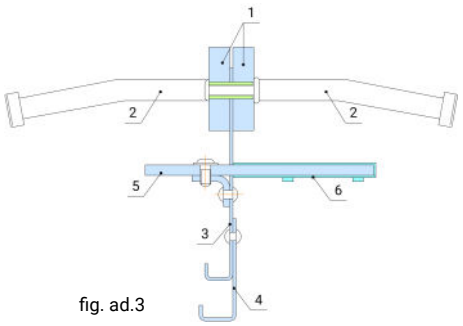


fig. ad.3

Profile	№	Component	Steel	EN	Manufacturing method
		Steel strips 10x40	S235J0	10051	Laser cutting, rolling
	1	+ hot-dip galvanized HDG*	S235J0	10051	+ galvanized according EN 1461
		+ steel strips AISI 304*	1.4016	10088-2	
	2	Anchor studs SD	S235J0	13918:2017	Cold heading
	3	Profile body	DC01	10130:2006	Stamping, bending
		Dowel	S355J0	10025-2	Laser cutting
	4	+ hot-dip galvanized HDG*	S355J0	10025-2	+ galvanized according EN 1461
		+ steel strips AISI 304*	1.4016	10088-2	Laser cutting
	5	Dowel casing	DC01	10130:2006	Stamping, bending

* — 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**	For **AISI 304**
HDG — the upper strips with anchors are galvanized; HHDG — the upper strips with anchors + dowels are galvanized; FHDG — the profile is fully galvanized.	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 (including anchors).

MANUFACTURING TOLERANCES Tab. ad.4

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

Connectors

L– connector (SG 61-L/h[1]-ADJ)

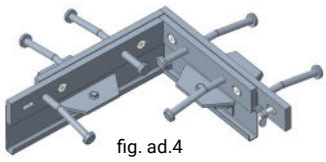


fig. ad.4

T– connector (SG 61-T/h[1]-ADJ)

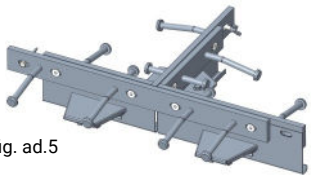


fig. ad.5

X–connector (SG 61-X/h[1]-ADJ)

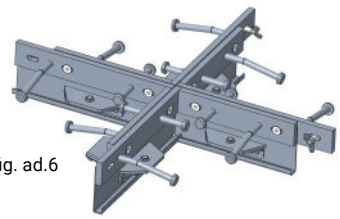


fig. ad.6

[1] — h—height of profile.
[2] — There are also connectors for intersections between profiles SG 61 and SG 62 (ask for details).