INSTALLATION GUIDE
CONTUR PLUS

KNAUFDANOLINE

CONTUR PLUS (D+)
- Demountable acoustical ceiling
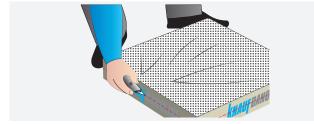- Installation in concealed T-grid
- Edge D+

CONDITIONS OF USE
- For internal fitout of buildings
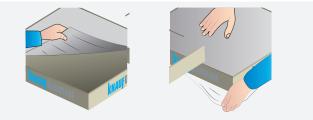- To be installed in a closed-off building

STORAGE
The products must be:
- stored indoors clean and dry
- positioned on a level base
- protected from direct moisture
- stored at humidities of less than 70% RH and temperatures of less than 50°C
- protected from impact and shock
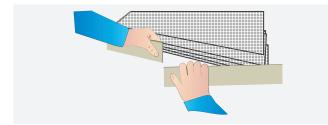- stacked max. 2 pallets on top of each other
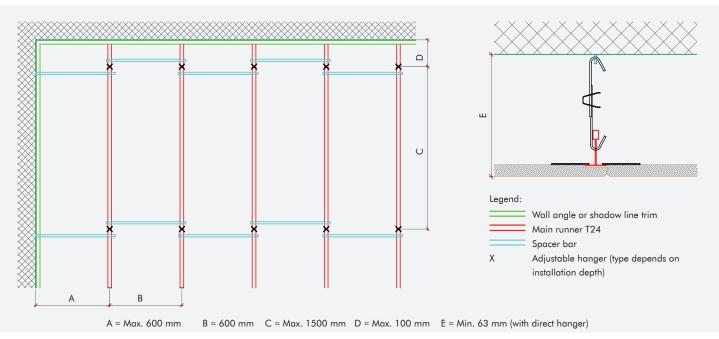
PACKAGING OPENING

- Cut the plastic wrapping by running a knife along the sides of the package. Do not cut the plactic on top of the package.

- Remove the plastic wrapping.

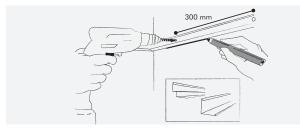- Remove the cardboard liner around the ceiling tiles.

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CEILING LAYOUT

Legend:

———	Wall angle or shadow line trim
———	Main runner T24
———	Spacer bar
X	Adjustable hanger (type depends on installation depth)

A = Max. 600 mm   B = 600 mm   C = Max. 1500 mm   D = Max. 100 mm   E = Min. 63 mm (with direct hanger)

RECOMMENDED ACCESSORIES

Below accessories are tested and approved for use in connection with Contur Plus.

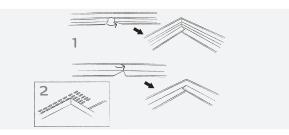|	PRODUCT NAME	SAP NO.	W x L x H (mm)
T-grid	Main runner T24	467385	24 x 3700 x 38
	Spacer bar	510647	600
	Adjustable hanger The size specification indicates the min. and max. range	469861 469868 469872 469876 469878 469880 469881	165 - 280 315 - 580 510 - 970 630 - 1210 755 - 1460 900 - 1750 1020 - 1990
	Direct hanger	431912 316304 316302	50 80 100
	Wall angle type MIE2024	434023	20 x 3000 x 24
	Shadow line trim type MS10	316330	19+11 x 3000 / 13+19
Extra	Outside corner for wall angle	109100	
	Inside corner for wall angle	109102	
	DANOpor - Extra sound absorption and reduction as backing. Mineral wool backing sealed in plastic bags. No risk of dust particles.		600 x 600 x 25 mm 600 x 600 x 50 mm
	Hold down clip	113734	-
	Repair kit White paint for prepainted tiles	198956	100 ml NCS 0700 (RAL 9003)

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INSTALLATION

Before installation, please ensure that fixtures to primary construction can withstand the load of the ceiling.
Best Practice: Use of clean cotton gloves when handling product tiles will ensure a good result and a ceiling without fingermarks.
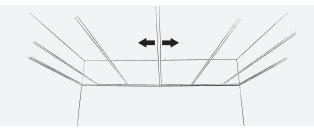

WALL ANGLES

- Mark the location of the wall angles on the walls and columns in relation to the required ceiling height.
- Fix the wall angles at max. 300 mm c/c. Choose the fixings in accordance with the substrate.

CORNERS

- Inside corners (1): cut the corners in a false mitre letting the ends overlap each other, unless anything to the contrary is specified. Finish with a corner cover, if necessary.
- Outside corners (2): must always be mitred. Finish with a corner cover if necessary.
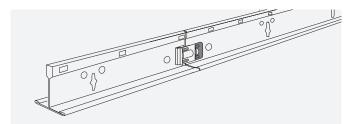

CEILING LAYOUT

- Divide the ceiling surface from the centre of the room or in accordance with the existing ceiling plans.
- The location of light fittings and ventilation units will have an influence on ceiling layout.
- Install the first main runner at max. 600 mm from the wall. The other main runners should be installed at 600 mm c/c (based on module 600).
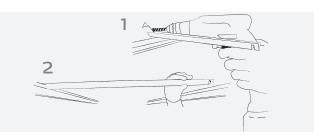

HANGERS

- Fix adjustable hangers (1) with eye screws or similar securely fastened to the primary construction.
- Direct hangers (2) are secured to the ceiling using appropriate fixings in accordance with the substrate.
- Install the first hanger at max.100 mm from the wall. The other hangers should be installed at max. 1500 mm c/c.
- If loads from light fittings etc. are to be borne by the ceiling, install additional hangers.
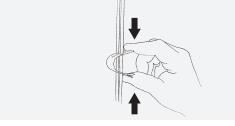- Refer to distances in the ceiling layout drawing.

MAIN RUNNERS

- Install the main runners parallel to each other so that the slots are directly opposite each other.
- Join the main runners longitudinally by clicking them together.
- Adjust the lengths of the profiles with plate shears, a hacksaw or a cross-cut saw with a special blade.
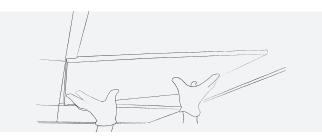- Make sure there is a hanger between the end joints of the main runners and the fire break.

SPACER BARS

- Align the first main runner along one of the walls and secure it with the help of adjusted spacer bars screwed into the wall (1).
- Install the other spacer bars (2).
- NB! When using 50 mm direct hangers, the spacer bars must be installed at the same time as the main runners (or it will not be possible to install the spacer bars).

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ADJUSTMENT

- Check that all profiles are correctly aligned when the entire suspension grid has been installed.
- Adjust the hangers so that they are tant and the ceiling surface is level.
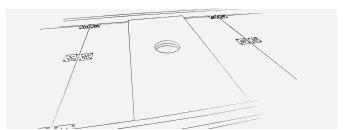

INSTALLATION

- Always wear clean cotton gloves when handling ceiling tiles.
- Install the tiles by lifting the "male" side up across the one main runner, then push the "female" side into position on the opposing main runner and lower the "male" side on the first main runner.
- Check that all metal clips are resting on the main runner.

CUTTING

- Cut the tiles to size from the front with a fine-toothed saw.
- If metal clips are installed in the place where the tile is to be cut, they must be removed first.
- Grip the metal with a pair of pliers and twist it off gently.
- A new metal clip can be pressed into position with a clip mouting tool available from Knauf Danoline.

FIXTURES AND FITTINGSS

- With smaller units (of up to 3kg) a reinforcement tile of sufficient strength can be installed behind the Contur Plus tile.
- The reinforcement tile must extend all the way into the main runners, so that the weight is transferred to them.
- The total weight should not be greater than 3kg for each m^2 of ceiling. Where loads are greater than 3kg/m^2, additional hangers must be used.
- Units over 3kg must be installed independently, so that they do not place any load on the ceiling.