



MODULAR CEILING SYSTEM

for architectural
metal fabrics

The new modular ceiling system

Benefits at a glance

- ◆ Easy push-fit system for fast pre-assembly
- ◆ Great flexibility for individual adjustments on site
- ◆ Outstanding creative design scope for architects
- ◆ Can be combined with many GKD architectural metal fabrics
- ◆ Can be combined with acoustic fleece
- ◆ Cost saving over prefabricated systems
- ◆ Suitable for both small and large rooms



Greater flexibility for suspended ceilings

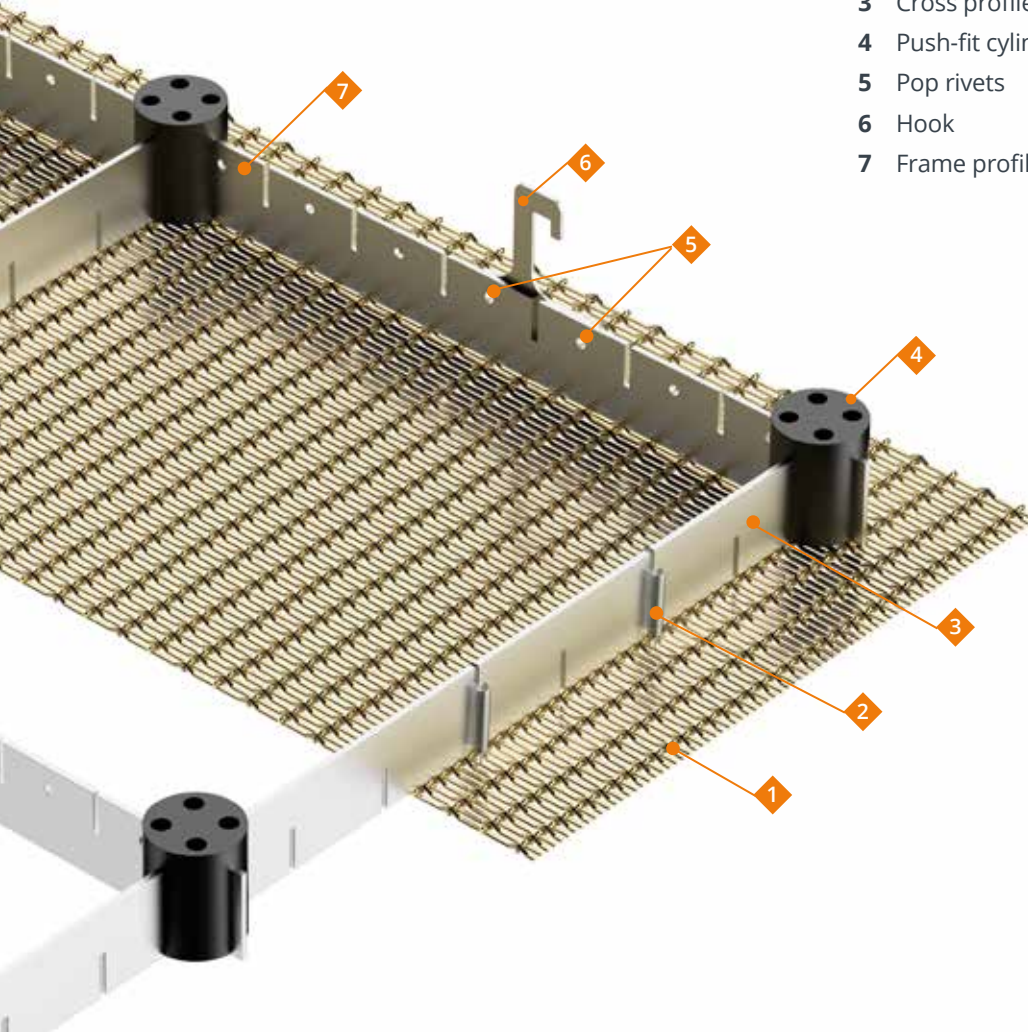
With its modular ceiling system, GKD offers architects and installers completely new ceiling design and construction options. For the first time ever, architectural metal fabrics for suspended indoor ceilings can now be assembled and fitted in a company's own workshop or directly on site. Planners and interior designers no longer have to rely on pre-assembled mesh panels and frames. This increases flexibility, for example making it possible to react to any spatial characteristics at short notice. The modular ceiling system also cuts purchasing costs, while the pre-assembly can be invoiced separately as an additional service.

The modular ceiling system also offers impressive new aesthetic possibilities. In combination with the popular PC-ALU 6020 architectural metal fabric from GKD, the substructure remains invisible. This draws attention to the surface texture of the fabric panels while ensuring a distinct and clean interior ceiling design.

Frame and components

The modular ceiling system and its components

- 1 PC-Alu 6020 fabric panel
- 2 Stainless steel spring
- 3 Cross profile
- 4 Push-fit cylinders
- 5 Pop rivets
- 6 Hook
- 7 Frame profile



Easy installation

Frame grid

The supporting frame profiles (7) are connected to the cross profiles (3) to create a grid. Push-fit cylinders (4) are then attached at the intersections to ensure that the profiles are aligned correctly at right angles.

Metal ceiling fabric

The PC-Alu 6020 ceiling fabric (1) is held in place on the frame structure using fine stainless steel springs (2). The springs are attached to the corrugated wire at intervals of approximately 350 mm and hooked over the cross profile (3). 350 mm is also the maximum spacing that the profiles in the grid should have. Otherwise, the fabric can potentially sag.

Substructure

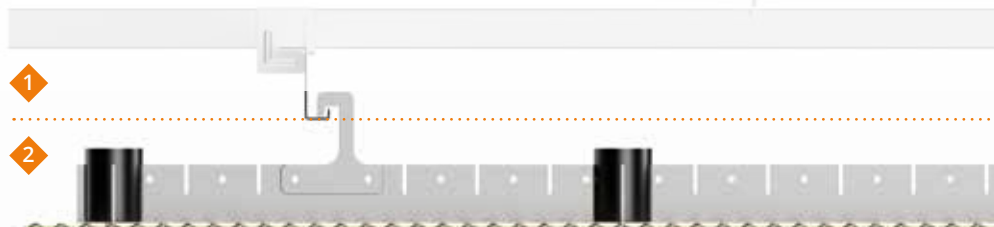
To connect the hanging system to a standard commercial suspended ceiling, hooks (6) are attached to the frame profile (7) with pop rivets (5) at the requisite spacing with a grid of 50 mm and then hooked into a profile of the substructure provided on site. Each hook (6) has a load capacity of 400 N. The ceiling element weighs approximately 7.5 kg/m². The individual ceiling elements should be installed with a gap of at least 20 mm to ensure smooth fitting and removal.

Our recommendation

- ◆ Order the metal fabric already trimmed to size
- ◆ For improved room acoustics, use the PC-ALU 6020 metal ceiling fabric
If desired, also available with an additional acoustic fleece

Scope of delivery

- 1 On-site hanging system 2 GKD scope of delivery



Materials and fire safety

The modular ceiling system is produced from non-flammable materials such as aluminum for the profiles, hooks, and pop rivets. The springs are produced from stainless steel. The non-supporting push-fit cylinders are produced from PC/ABS with UL94 V-0. UL94 is a standard of the US-based Underwriters Laboratories for testing the burning characteristics and fire safety of synthetic materials. The „V“ refers to the standard's most demanding test procedure, during which the fire behavior of the sample is tested vertically. The number „0“ is awarded to those products that meet the requirements of the best class.

Range of colors

Thanks to special finishing processes, architectural metal fabrics from GKD are available in a wide range of color shades. The anodized PC-ALU 6020 fabric provides architects and planners with creative options for individual room designs.

GKD Silver	GKD Dark Bronze
GKD Champagne	GKD Black Brown
GKD Gold	GKD Light Copper
GKD Silver Bronze	GKD Medium Copper
GKD Light Bronze	GKD Dark Copper
GKD Medium Bronze	GKD Grey



GKD – Gebr. Kufferath AG
Technical Weavers for Industry and Architecture

metalfabrics@gkd-group.com

gkd-group.com
