

The new **reGO** - X-ray slip on grid

The use of grids in digital radiology (DR) necessitated a reconsideration of our well-known and approved type of slip-on (frame of stainless steel with carbon fibre front). The determining aim was to develop a lightweight slip-on-grid as the weight just of a digital detector 35x43 cm (outside dimensions 459 x 383 x 16 mm) is up to 5 kg – depending on the manufacturer.

Our solution:

The slip-on grid 35 x 43 cm completely made of carbon fibre

Advantages:

- suitable for grids of any specification
- high class material
- steady construction
- one single pieced frame
- higher permeability of radiation compared to a similar slip-on grid of plastic material
- to be used
 - for digital detector (DR) 35x43
 - for cassettes with imaging screens (CR) 35x43
 - for cassettes with film/screen system 35x43
- lower weight
 - without grid just 0,65 kg
 - appr. 10 % reduction of weight compared to a slip-on of stainless steel
 - appr. 28% reduction of weight compared to a slip-on of plastic material



Abb.: Rasterbrücke mit teils eingeschobener Kassette

Construction:

- Carbon fibre frame with two guiding rails and stop
- mounting of grid from the inside
- mounting of a protection cover of Carbon fibre or transparent Makrolon on the backside of the grid



The dimensions of the digital detectors can differ from the size mentioned above – depending on the manufacturer. This is why the customer has to verify the sizes to be correct. We can offer slip-ons of any other size as „made to order“. In case the slip-n is intended to be used for cassettes containing imaging screens (CR) or film-screen system we are going to adapt the light inner height to the thickness of the cassette.



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