

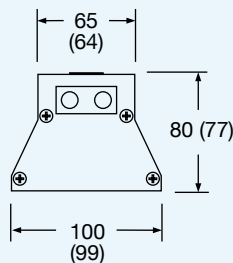
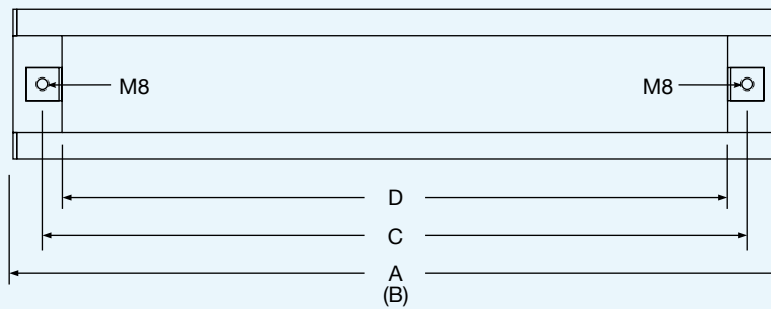
Figure 75: Elstein EBF equipped with radiators of the HTS series

Elstein EBF construction elements are assembled in our factory. They can be equipped with Elstein ceramic panel radiators FSM, FSR, HFS/1, HSR/1, HTS/1, SHTS/1 and FSM/2, FSR/2, HFS/2, HSR/2, HTS/2, SHTS/2, whereby it is also possible to combine different radiator designs and wattages of the same types of radiators.

The ceramic infrared radiators mounted in stainless steel reflectors are inserted in the lower part of an extruded, anodised aluminium section with an H-shaped cross-section. Aluminium capping sections close the wiring space in the upper part of the section and die cast end pieces close the end faces.

The user only has to do the wiring, mount the EBF elements in a steel section frame to be made on site and connect up with the electricity mains.

Elstein EBF construction elements are available in five lengths and can be fitted together to form radiation panels in any installed position as well as geometry.



When exchanging EBF against EBI varying dimensions of housing and installation must be considered.

	A	B	C	D
EBF/25	260	255	217	190
EBF/50	510	505	467	440
EBF/75	760	755	717	690
EBF/100	1010	1005	967	940
EBF/125	1260	1255	1217	1190

Other lengths available on request
 (from 125 mm to 2500 mm and longer)

Figure 76: Mounting dimensions and EBF dimensions () in mm

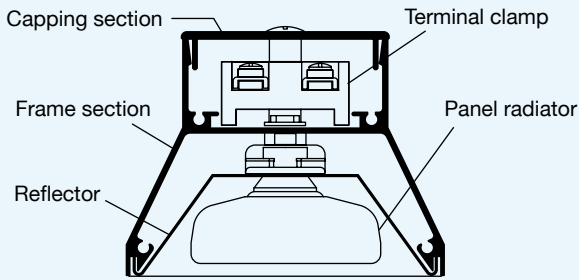


Fig. 77: Cross-section through an EBF construction element



Fig. 78: Wiring space of an EBF construction element



Fig. 79: Four examples of radiator equipment for an EBF/100 construction element



Fig. 80: EBF construction element, screwed onto a steel section frame

Standard scope of delivery (variants and other lengths are available on request)

Ceramic infrared radiators, fitted, selectable heater types:

FSM, FSR, HSR/1, HTS/1, SHTS/1, FSM/2, FSR/2, HSR/2, HTS/2, SHTS/2

The maximum radiator power level available is 1200 W. Mixed radiator wattages and dimensions can be fitted.

Thermocouple radiators for temperature control are installed in the EBF construction element at the request of the customer. Accessories for controlling the temperature, such as the TRD 1 temperature controller and TSE thyristor switching units are included in the Elstein range of products.

REO reflectors for the radiator dimensions 245 mm x 60 mm and 122 mm x 60 mm, fitted

The REO reflectors are made from polished stainless steel. They are used for holding and fixing the radiators as well as reflecting the IR radiation in the direction of the material to be heated. On request, the reflectors fitted with ceramic infrared radiators are also available separately under the type designations REF/250 and REF/125.

Extruded frame and capping sections and end pieces made from aluminium, fitted

For surrounding the ceramic infrared radiators fixed to the REO reflectors. Each EBF construction element includes a capping section and two end pieces. The end pieces have an M8 thread for screwing the EBF construction element with a steel section frame. The end pieces also include a ceramic bushing for the electricity cables and a labelled safety earth terminal.

AK bipolar terminal clamps, fitted and connected with radiator power leads

For wiring the ceramic infrared radiators. The Elstein range of products includes accessories for the wiring.

Our instructions for mounting, operation and safety must be observed.