

## Single Welding Head EK 250-P with C-Shape

Modular Welding Head with a Compressive Force of 100 / 250 N for Capacitor Discharge and Medium Frequency Welding

A C-shaped arm has been developed in order to supplement the model EK250, with the lower electrode integrated in the same unit.

There are two projections available. Special sizes according to customer requirements may be worked out.



### Characteristic Features

- Pneumatic single welding head
- Maximum compressive force 100 N / 250 N , depending on model
- C-shaped arm with a stroke length of 29 mm, so that the welding head may be positioned in existing workpiece holders Projection 180 and 250 mm, special sizes may be supplied
- Rugged, uncomplicated design in order to achieve a high lifetime and a high welding rate
- Vernier adjustment of the compressive force from 0 – 100%
- Maximum stroke 27 mm
- Adjustable stroke length
- Uncomplicated head adjustment
- Adjustable spring-loaded cut-back delay
- All bearings are high-accuracy ball bearings
- Actuation by way of pneumatic cylinder
- Integrated axial travel measuring feature with a high-accuracy incremental probe (presence of the components) and of the depth of penetration (melting stroke)
- Measurement resolution down to 0.5  $\mu$ m
- Integrated inductive switches for activating the welding process (adjustable)
- 44 mm wide. Other dimensions same as DK 250 P / P2
- May be fitted with water-cooled electrode holders
- Electrode holders with anti-twist protection
- Weight 6 kg