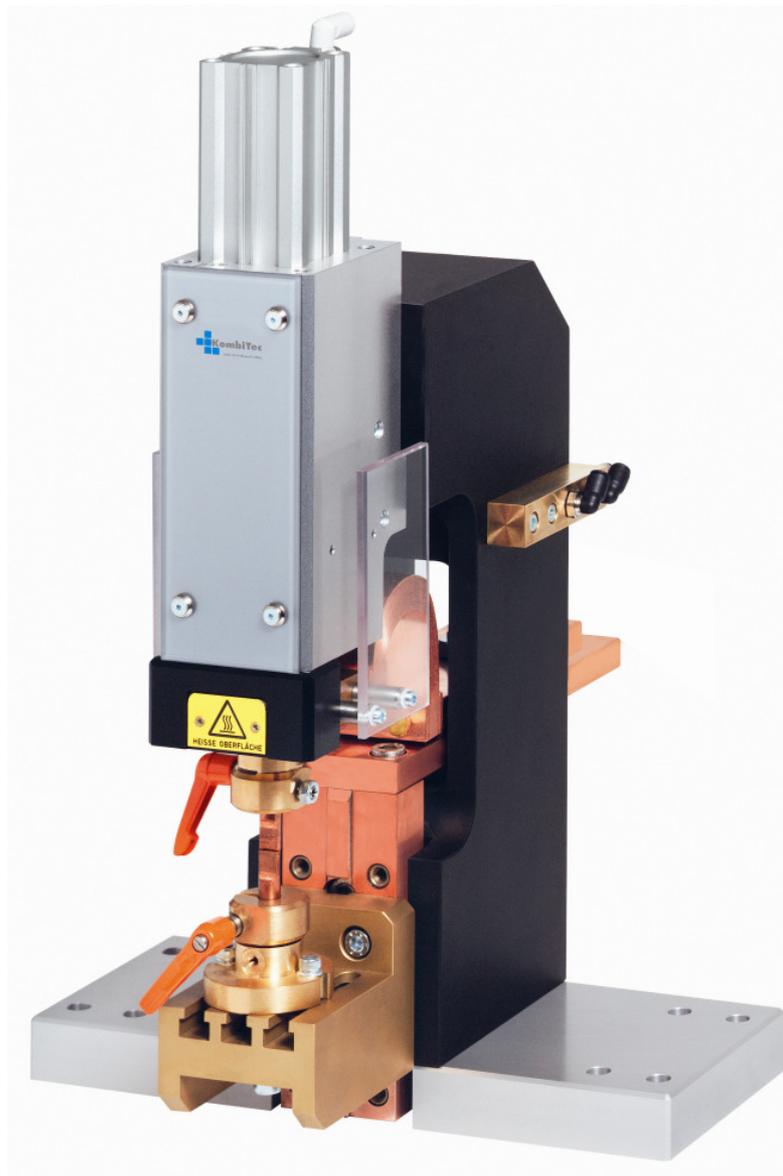


Technical data-sheet **Welding-head SK-2110**

Name and address of manufacturer: **KombiTec GmbH**
Westendstraße 5
D-87488 Betzigau / Germany

Tel: +49 (0) 831 / 960 398 - 0
Fax: +49 (0) 831 / 960 398 - 10



Benefits:

- Welding-head for up to max. 1.500 N welding force
- Due to modular principle highest compatibility to other KombiTec products
- Compact, but highly flexible constructed with lowest possible weight
- Precise positioning-accuracy, stability and robustness due to pre-stressed ball-bearings
- Highest reproducibility through shape-connection
- Outstanding repositioning behaviour due to unstressed anti-torsion units
- Simple adjusting of sensors and stroke
- Infinitely variable damping force
- Direct force monitoring at electrodes with electronical force measuring
- Simple upgrading opportunities of distance-control and force measuring devices

Application areas:

Suitable for all standard weldings, like:

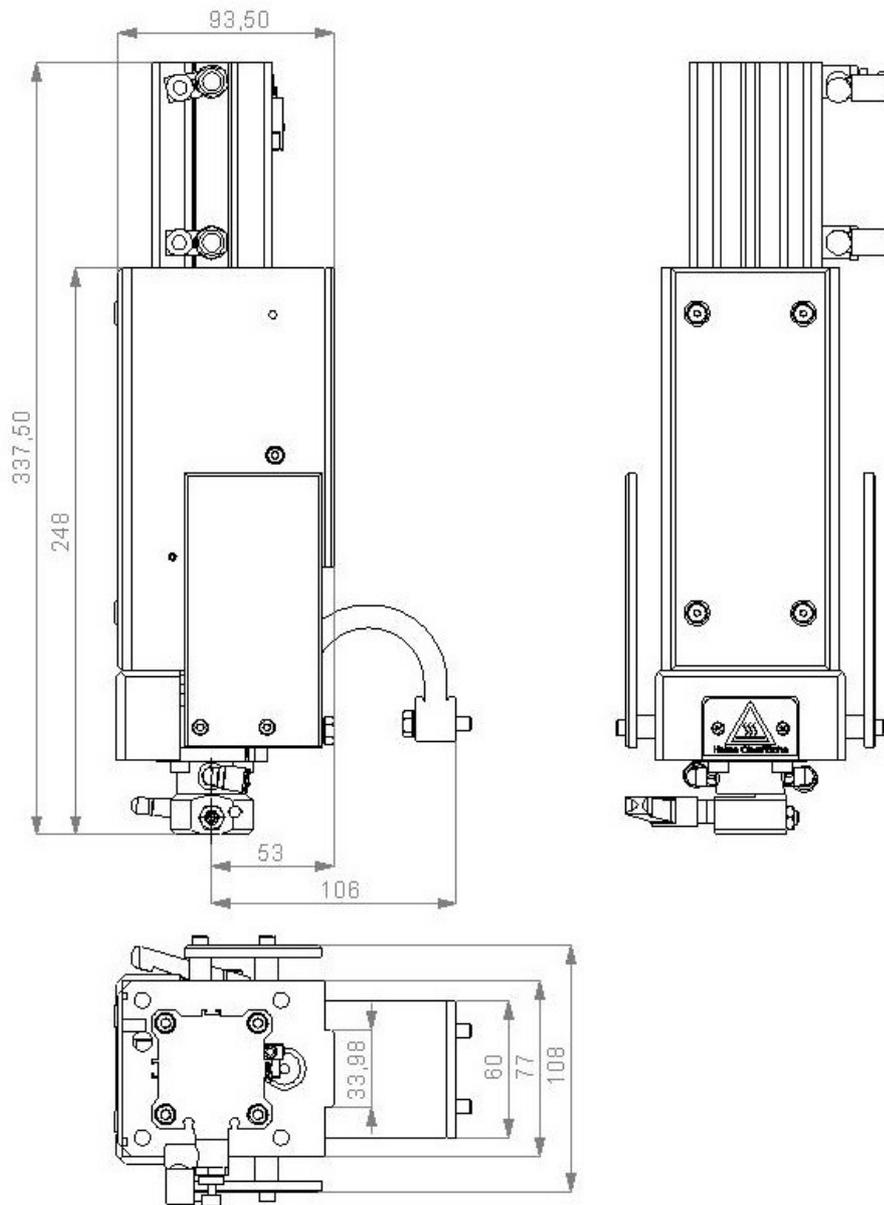
- Automotive: welding of steel-sheets
- Industry / Mechanical engineering: Welding of thicker parts
- Energy technique: thicker contacts for solar power generators and equipment
- Production of consumption goods: Heaters, cooking-pots,

Technical changes:

Technical modification and price changes without notices. All dimensions are in „mm“. No liability can be accepted for printing errors.

Technical data:

Infeed unit:	pneumatically driven cylinder with \varnothing 40 mm or \varnothing 63 mm
Theoretical force (at 5 bar):	out driving 1.500 N
Medium pressed air:	filtered 5 μ m, free of water / dried, oiled or un-oiled
Pneumatic fittings:	G1/4"
Pneumatic hose:	\varnothing 6 mm
Working pressure:	3 – 5 bar
Working temperature:	0° C – 60° C
Repeatability:	\pm 0,01 mm
Max. weight of electrode holders:	< 1,0 kg
Max. stroke:	50 mm
Air consumption per cycle:	0,20 L (at 5 bar and max. stroke)
Total weight:	11,0 kg



Picture: Dimension welding head SK-2110 without fixing / mountings

Welding-head SK-2110

Options for configuration:

**Pneumatic-cylinder Ø 40 or Ø 63
SK-2110-RZ-000 / -050**

**Welding-head pillar
SK-2110-RG-xxx / SG-xxx**

**Displacement-sensors
SK-2110-WS-xxx**

**Displacement-spring unit
SK-2110-RR-xxx**

**Copper-connection
SK-2110-KB-000**

**Electrode-base-holder, top, with /
without Cooling SK-2110-RO-xxx**

**Electrode-holder, top
SK-2110-EO-xxx**

**Electrode-holder, below
SK-2110-EU-xxx**

**Console, long, for special pillar
SK-2110-RK-100**

