

# Technical data-sheet for welding-pincer SZ-2005

Manufacture:

**KombiTec GmbH**

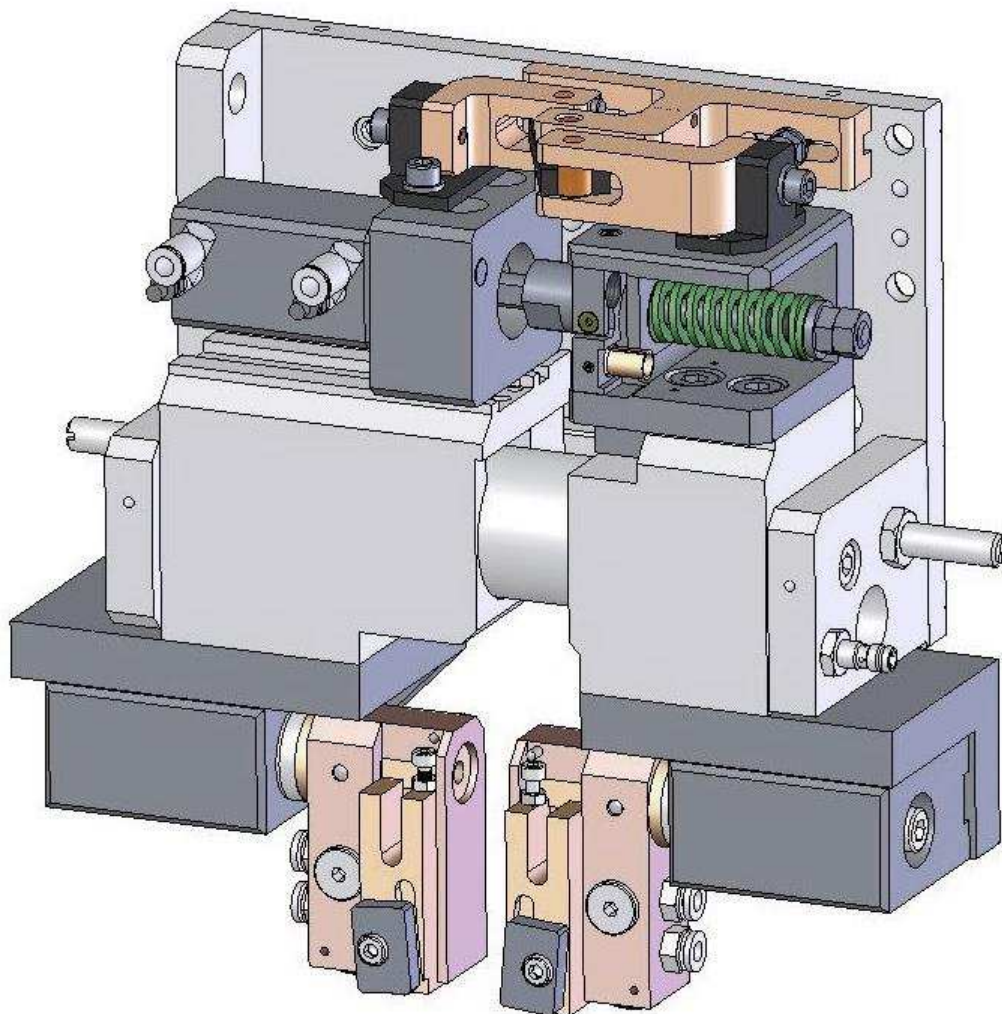
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### Benefits:

- Welding-pincer with welding-forces up to 300N
- Due to modular principle highest compatibility to other KombiTec products
- Compact, but highly flexible construction with lowest possible weight
- Precise positioning-accuracy, stability and robustness due to pre-stressed roller-bearings
- Best reproducibility by plunging scenes
- compatibility to competitor's products
- Due to loaded springs fastest response while welding
- easy adjustment of sensors, damping and stroke
- simple upgrade-opportunity for displacement-sensors
- swim-mechanisms available (to "orientate" plier to product)
- mass-levelling for vertical mounting
- parallel-movement-unit for electrode-holder available

### Application areas:

Suitable for weldings especially in sub-optimal reachable positions. Typical applications for these high-performance-pliers are:

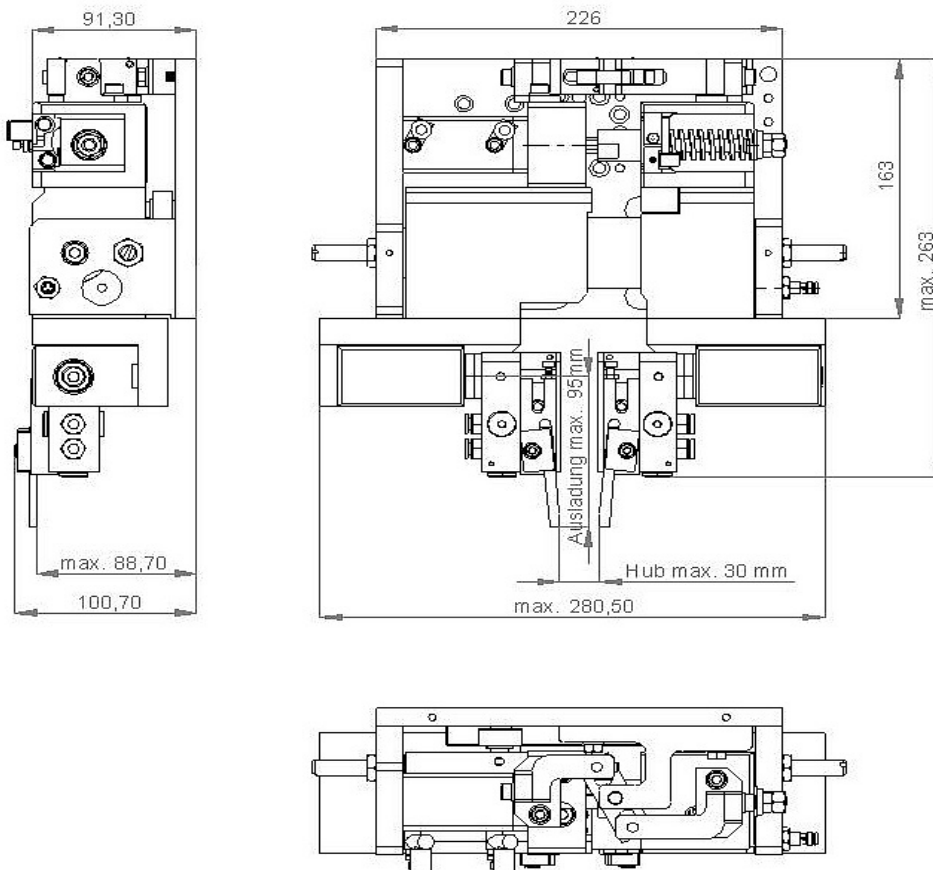
- Light industry: Tungsten-filaments welded to molybdenum pins
- Automotive: moulded stamped parts welded with sensors
- Electric / Electronical: elements and wires to circuit boards or substrates
- Energy technique: contacts for solar power generators and equipment
- Production of sensors: micro-, small- and medium-size applications
- Consumer goods production: small size spot welding applications

### Technical changes:

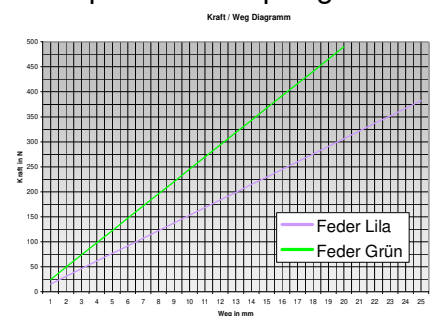
Technical modification and price changes without notices. All dimensions are in „mm“. No liability can be accepted for printing errors.

## Technical data:

Cylinder-diameter working stroke:	Ø 32mm / Ø 20mm
Working pressure:	3 – 7 bar
Pressing force between electrodes:	up to max. 300N
Medium pressed air:	filtered 5µm, free of water / dried, oiled or un-oiled
Pneumatic hose:	Ø 6 mm
Working temperature:	0°C – 60°C
Repeatability:	± 0,10mm
Working temperature:	0°C – 60°C
Max. stroke of electrodes:	30,0mm
Max. displacement-stroke:	6,0mm
Air-consumption per cycle:	approx. 0,15 ltr (at 5,0 bar and max. stroke)
Total weight:	ca. 10,0 kg (net)



## Displacement-spring:



Picture: Dimension welding-pincer SZ-2005 with pneumatic drive, without mounted attachments

## Welding-pincer SZ-2005

Option of configuration:

