

Technical data-sheet for welding-pincer SZ-2035

Manufacture:

KombiTec GmbH

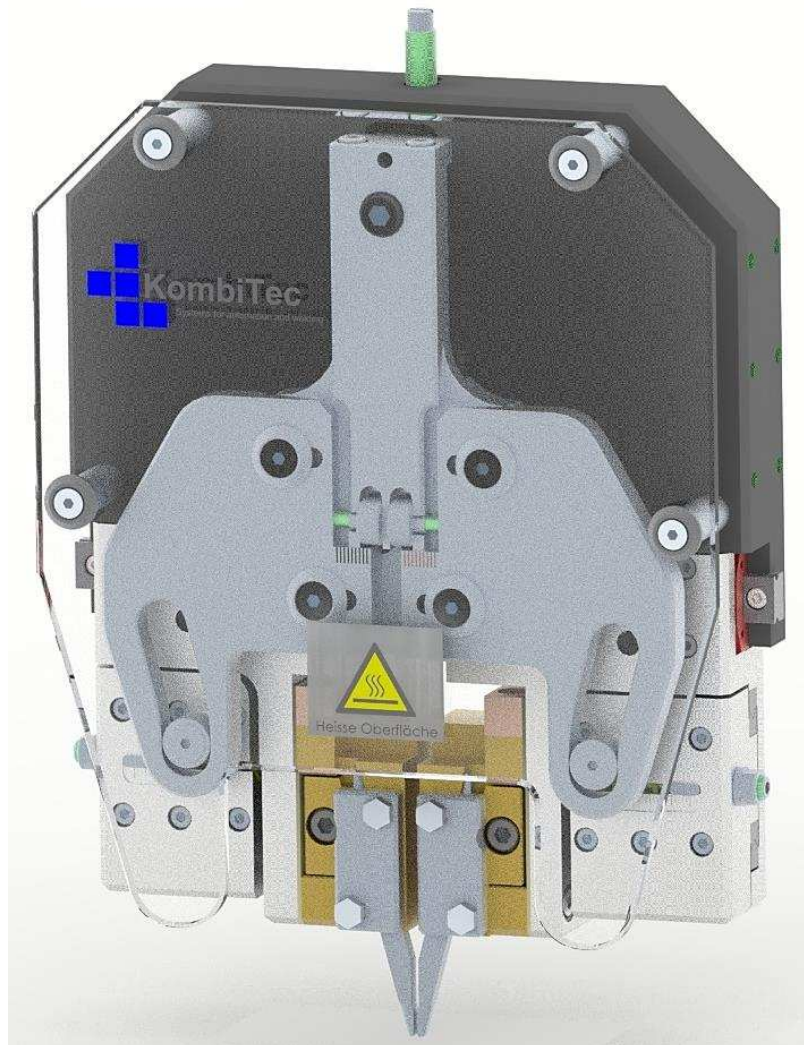
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Benefits:

- Welding-pincer with welding-forces between 20 and 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
- Due to loaded springs fastest response while welding
- simple upgrade-opportunity for displacement-sensors

Application areas:

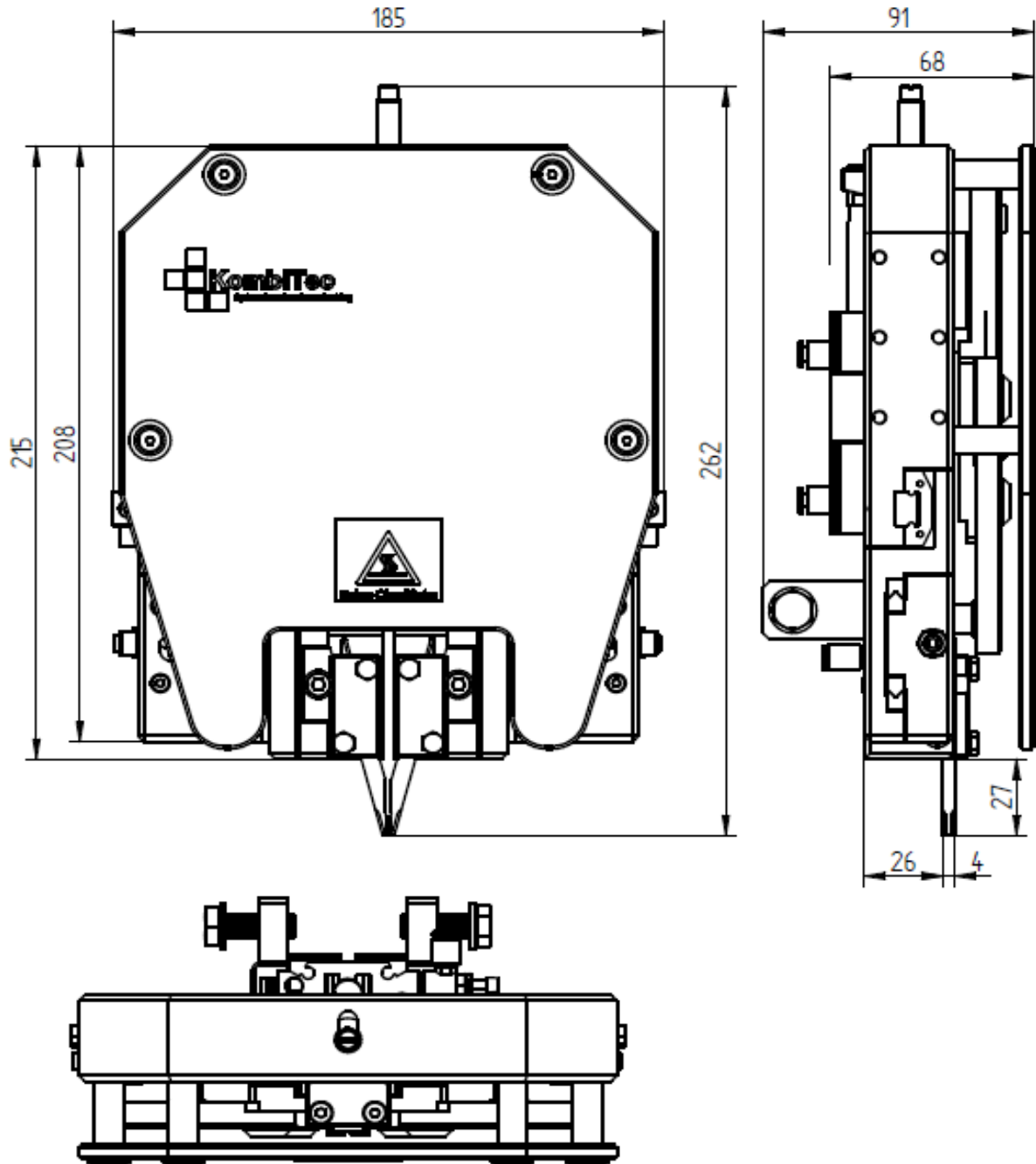
This for these high-performance-pliers is suitable for weldings with sub-optimal reachable positions. Typical applications are:

- “Hot-staking”-applications, like welding of lacquered copper-wires for coils
- Light industry: welding of molybdenum-reflectors to -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

Optional available:

- „Swimming“-positioning-unit
- “Swivel”-unit
- Digital displacement-sensors (resolution 1,0µm)
- Portal to mount plier horizontal (e.g. for manual working stations)

Dimension:



Technical changes:

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

Technical data:

Working pressure:	3,0bar (max. 7,0bar)
Pressing force between electrodes:	30N 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. working-stroke:	6,0mm (each electrode, dep. to curve-geometry)
Max. displacement-stroke:	2,0mm (each electrode)
Air-consumption per cycle:	approx. 0,05dm ³ (at 3,0bar)
Total weight:	ca. 6,2kg (without attachments)

Welding-pincer SZ-2035

Application-specific options for configuration:

