



MICRO PRECISION SPOT WELDING HEAD

SKF-1000

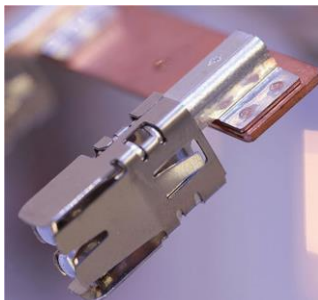


The universal spot welding heads to solve your joining and soldering task in small part welding



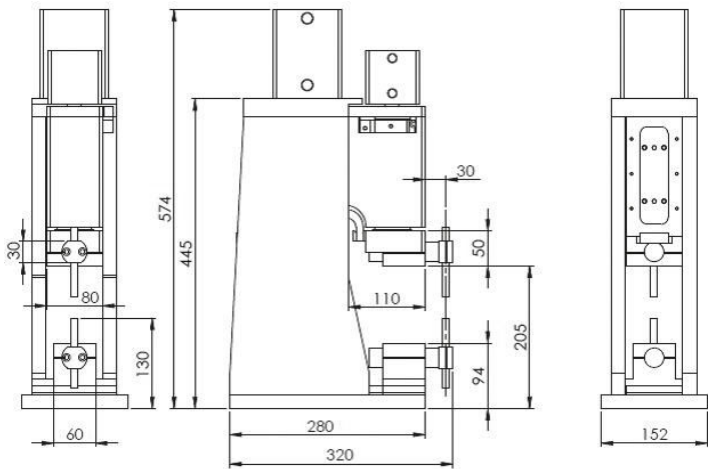
PERFORMANCE

The SKF series welding heads guarantee you a safe and trouble-free welding process. The flexible systems can be used in both manual workstations and automated systems. The heads offer a wide range of applications in the area of small part welding.



CHARACTERISTICS

- Suitable for manual workstations and automation solutions
- Use with weld materials with good or poor weldability
- Compact design
- Distance measuring system can be easily upgraded
- Quick replacement of the power-springs/follow up units
- High quality requirements
- Implementation and replacement in existing systems possible
- numerous applications
... and much more



APPLICATION

- Spot welding
- Projection welding
- Cross wire welding
- Contact welding
- Resistance soldering

BENEFITS

- Effective manufacturing processes
- High flexibility
- Maximum security
- High weld quality
- Fast integration
- Safe manufacturing processes
- Ease of maintainability

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TECHNICAL DATA

Features	SKF-1000
In general	
Style	Rack Version with secondary connections and water distributor
Options	<ul style="list-style-type: none"> – Head for integration into machines – without rack – without lower fitting (electrode holder) – Power actuating cylinder or scale house with up to 2 different power springs
Electrical data	
Secondary connection	Secondary cable or secondary profiles to the transformer 150 mm ² – 500 mm ²
Signaler	Upper end position - proximity switch type IFRM 06P17A3/S35L PNP / Baumer head spring-loaded - proximity switch type IFRM 08P17A3/S35L PNP / Baumer
Maximum welding current	approx. 20 kA at 50% E.D.
Mechanical data	
Welding force	approx. 200 N – 1500 N depending on the power cylinder
Force introduction (actuation)	pneumatic
Force adjustment	manually with scale house and knurled screw or pneumatically with power cylinder
Compressed air connection	min. 6 bar to max. 7 bar network pressure
Electrode holding	Electrodes Ø 10 mm
Arm projection / Arm distance	approx. 140 mm / approx. 110 mm, mechanically adjustable
Electrode stroke in mm	0 – 40, mechanically adjustable
Dimensions in mm	564 (574) x 152 x 320 (H x W x D)
Weight	approx. 37 kg
Operating data	
Ambient temperature	0 – 40° C
Cooling	Water-cooled electrode arm holders and electrode arms