

Stud Welding Equipment - Automatic Components

KAH 412 LA AUTOMATIC STUD WELDING HEAD WITH LENGTH COMPENSATION

KAH 412 LA

Automatic Stud Welding Head with length compensation for CD or Arc stud welding with automatic stud feeding according to current standards

Technical Data	
Welding range	#4 to 5/16", dia. #4 to 5/16" (M3 to M8, dia. 3 to 8 mm); dia. 3/8" to 1/2" (dia. 10 to 12.7 mm) with modification only
Stud length	0.31" to 1.57" (8 to 40 mm) other lengths on request
Stud material	Mild steel, Stainless steel, Aluminum, Brass
Total stroke of piston	0.28"
Spring pressure	Arresting
IP-Code	IP 20
Workplace noise level	> 90 dB (A) may occur during welding
Dimension L x W x H	14.76" x 2.60" x 5.71" (375 x 66 x 145 mm) with chuck and quick change system
Weight	7.50 lbs (3.4 kg)
Order No	94-37-412 (with length compensation)

General Information	
Application	<ul style="list-style-type: none">• Especially suitable for thin sheets (at least 0.5 mm)• Automatic compensation of length tolerance of welding elements and height tolerance of the work piece through integrated length adjustment
Process variants	<ul style="list-style-type: none">• Gap welding• Short cycle drawn arc welding• Drawn arc welding (optional)
Advantages	
Structure	<ul style="list-style-type: none">• Rigid casing made of metal• Torsion-resistant aluminum-casing to accommodate all function elements and accessories• Zero-play ball linear bearing for guiding the welding piston, to ensure maximum precision and reproducibility for welds• Sealed welding piston guidance• Compact dimensions• Integrated lift and spring-loaded adjustment• Stud length is freely adjustable (up to 40 mm; other lengths available on request)• Infinitely adjustable spring-loaded adjustment can be read off the scale directly• Prisma clamping system for fast exchange of the complete stud welding head• Pushbutton detent system to facilitate changing the feeding tube• Mechanical structure tested in production

