



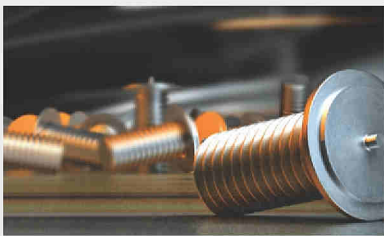
The Leader in Metal Working Technologies

WELDING STUDS | FASTENERS | STUD WELDING SYSTEMS



Welcome to Keystone Fastening Technologies For Uncompromising Fastening Results

With an extensive range of Stud Welding and related Metalworking products, Keystone is the expert when precision, reliability and efficiency is expected. Keystone delivers the extremely precise fastening tolerances that are required in the most demanding applications. Whether it's our Weld Studs or Stud Welding Systems, our products exhibit uniformly precise welding, durability and long term reliability.



Welding Studs and Equipment

Capacitor Discharge Stud Welding & Drawn Arc Stud Welding Products

Welding Studs
Stud Welding Systems

Stud Welding Consumables
Automation



Specialty Fasteners

Wire Tie Clips
(Work with Welding Studs)
Cap Nuts
Acorn Nuts
Grounding Studs

Cable Management Products
Tagging Products
Custom Cold Headed Parts
Custom Screw Machine Parts



Accessories

Welder Carts
Welding Consumables
Tool Balancers
Torque Tools



Service & Support

Application Engineering
R&D Assistance
Complete Repair Service
Parts Support
Contract Stud Welding

Contact sales or visit our website for specific size and material requirements.

keystonefastening.com • Ph. 800-659-5972

Welding Studs

Productivity Requires Both Quality and Performance

Keystone offers the most comprehensive inventory of welding studs and specialty fasteners in the industry. English, metric and custom sizes are always available. Quality is standard.

Capacitor Discharge		Drawn Arc	
Weldable Materials	Mild Steel, Stainless Steel, Aluminum, Brass, Copper, Titanium & other alloys	Weldable Materials	Mild Steel, Stainless Steel, Aluminum, & other alloys
Weldable Stud Range	2-56 thru 3/8" (M2 - M10)	Weldable Stud Range	1/8" thru 1" (M3 - M25)
<ul style="list-style-type: none"> ▶ Flanged and Non Flanged <ul style="list-style-type: none"> - External Thread - Internal Thread ▶ Pin Studs - Unthreaded ▶ Insulation Pins ▶ Annular Pin Studs ▶ Collar Studs ▶ Keyhole Studs ▶ Knock off Studs ▶ Ground Space Terminal Studs ▶ Cable Management Accessories ▶ Material Tagging Systems 	<ul style="list-style-type: none"> ▶ External Thread <ul style="list-style-type: none"> - Full, Partial ▶ Reduced Base ▶ Internal Thread - Tap Pads ▶ Pin Studs -Unthreaded ▶ Collar Studs ▶ Shoulder Studs ▶ Annular Pin Studs ▶ Cable Hangers 	<ul style="list-style-type: none"> ▶ Deformed Bars ▶ Headed Concrete Anchors ▶ Shear Connectors ▶ Rectangular Studs ▶ Refractory Anchors ▶ Fir Tree Studs ▶ Grounding Studs ▶ Short Cycle 	








Contact sales or visit our website for specific size and material requirements.

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Capacitor Discharge Stud Welding Systems

Keystone Capacitor Discharge Stud Welding Systems are Precision Engineered for Long Term Durability and Performance. Our Unique Technology allows operators to achieve Exceptional Weld Quality and Unparalleled Consistency. Units feature Pre Programmed Voltage Adjustability with a Digital Readout, Fault Protection Circuitry and Dual Grounds to ensure optimal results. Most units are Fully Compatible and Combinable with Keystone Automated Systems.

	TS 306	TS 308	TS 318	BS 308	BS 318
					
Weldable Materials	Mild Steel, Stainless Steel, Aluminum, Brass, Copper, Titanium & other alloys				
Weldable Stud Range	2-56 thru 1/4" (M2.5 thru M6)	2-56 thru 5/16 - 18 (M2.5 thru M8)	2-56 thru 3/8 - 16 (M2.5 thru M10)	2-56 thru 5/16 - 18 (M2.5 thru M8)	2-56 thru M10 (M2.5 thru M10)
Weld Rate	Up to 30 studs per min	Up to 30 studs per min	Up to 30 studs per min	Up to 30 studs per min	Up to 30 studs per min
Input Power	100 VAC to 250 VAC, 50/60Hz, 3A	100 VAC to 250 VAC, 50/60Hz, 3A	100 VAC to 250 VAC 50/60Hz, 3A	100 VAC to 250 VAC 50/60Hz, 3A	100 VAC to 250 VAC 50/60Hz, 3A
Compatible Guns	HP-TSK 310, HP-TSK 150	HP-TSK 310, HP-TSG 310, AH-TSG 310 Automatic, SIK-2 Automatic			

Capacitor Discharge Guns

TSK 310



TSK 310 with Standard Footpiece



TSK 310 with Tripod option



TSK 310 with 30 mm Template Adapter option

Using Genuine Keystone parts and accessories will ensure performance and long term durability.

CD Accessories *(Contact us for full range of Accessories)*

English & Metric Sizes

Tapered Base Chucks
B-Collets



B-Collet Stops & Inserts
Adapters & Foot pieces



Consumables for other Industry Equipment Brands also Available

Drawn Arc Stud Welding Systems

Developed for professional use, Keystone Stud Welding Systems effortlessly respond to the toughest workplace demands. Our Proprietary Microprocessor and Current Regulation Technology allows operators to achieve Exceptional Weld Quality and Unparalleled Consistency. Our D Series Systems feature a Digital Interface that offers Programmable Voltage and Time Parameters allowing for repeatable operator performance and weld quality. All of our ARC systems are shielding gas capable.

	DA 312 D	DA 314 D	DA 322	DA 625
				
Weldable Stud Range: (with ceramic ferrule)	1/8" thru 1/2" (M3 thru M14)	1/8" thru 5/8" (M3 thru M16)	1/8" thru 1" (M3 thru M25)	1/4" thru 1" (M6 thru M25)
Weldable Stud Range: (with short-cycle mode)	1/8" thru 5/16" (M6 thru M8)	1/8" thru 3/8" (M3 thru M10)	1/8" thru 3/8" (M3 thru M10)	1/4" thru 1/2" (M6 thru M14)
Maximum Current (A)	800	1100	2300	3500
Maximum Duty Cycle:	1/8" = unlimited; 1/2" = 3 per minute	1/8" = unlimited; 9/16" = 4 per minute	1/8" = unlimited; 7/8" = 3 per minute	1/4" = 50/minute; 1" = 6/minute
Primary Input:	208/230/400/460 VAC, 3-phase 50/60 Hz	208/230/400/460 VAC 3-phase 50/60 Hz	208/230/400/460 VAC 3-phase 50/60 Hz	208/230/400/460 VAC 3-phase 50/60 Hz
Compatible Guns:	HP 314, HP 319	HP 314, HP 319	HP 319, HP 1022	HP 319, HP 1022

Drawn Arc Guns

	HP 314	HP 319 with Dampening	HP 1022 - Heavy Duty
			
Weldable Stud Range using ceramic ferrules	1/8" - 1/2" (3 - 14 mm)	1/8" - 3/4" (3 - 19 mm)	3/8" - 1" (10 mm - 25 mm)
Weldable Stud Range using short-cycle	1/8" - 3/8" (3 - 10 mm)	1/8" - 3/8" (3 - 10 mm)	N/A
Weldable Stud Range using shielding gas	1/8" - 3/8" (3 - 10 mm)	1/8" - 5/8" (3 - 16 mm)	N/A
		<i>With Dampening</i>	<i>Heavy Duty</i>

Drawn Arc Accessories *(Contact us for full range of Accessories)*

English & Metric Sizes

Headed Anchor Chucks
Tapered Base Chucks
Thru-deck Accessories



Ferrule Grips
& Shielding Gas Kits



Refractory Anchor
Chucks & Accessories



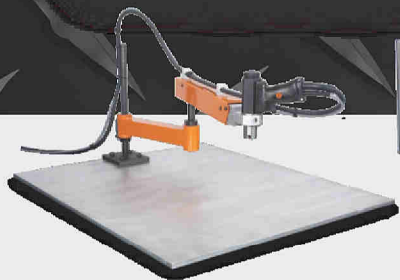
Consumables for other Industry Equipment Brands also Available

Stud Welding Automation

Efficiency through Automation

Keystone offers a wide range of semi and fully automated stud welding solutions customized for your specific application. Our welding automation provides competitive advantages such as higher quality and repeatability increased capacity and higher productivity all of which help reduce your manufacturing costs.

- ▶ Time Savings - Welds up to 40 studs per minute
- ▶ Accurate, Precise and Repeatable
- ▶ Capacitor Discharge & Drawn Arc Stud Welding Systems
- ▶ Durable and Dependable
- ▶ Keystones Auto Feed Quality Studs Ensure Weld Quality & Feeding Consistency



Parallel Positioning



CNC Gantry Systems



Semi Automated

EUROPER
UNIENDO SOLUCIONES

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