

RoHS Compliant

ERON®

No.E-472

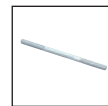
## Pla Clamping Kits

- World's first engineering plastic (PBT resin) clamping set.
- The material used offers excellent strength and rigidity, and has the highest level elasticity among engineering plastics.
- Lightweight at 1/10 of steel. Easy to carry and able to reduce set-up time.
- Does not rust, making it ideal for clamping in locations and for workpieces where rust is a problem, and allowing it to be used while constantly clean.
- Capable of soft clamping without scratching the workpiece. Useful for clamping of soft materials and finished products.
- Ideal for clamping the item to be measured such as with a coordinate measuring machine and will not damage tables or workpieces or cause injuries if dropped.
- Can also be used as a clamp for electrical discharge machines. Can be used with both synthetic and mineral machining liquids.
- Can also be used as a clamp for light work such as engraving.
- Employs aluminum (A5056) stud bolts for increased strength and rigidity. Rust resistant with alumite treatment.
- Innovative design that gives full consideration to functionality.

### Content of Set



Step Blocks  
28.8H, 45.3H, 94.8H  
4 pieces of each  
(Engineering plastic)



Stud Bolts  
M8 × 100, 125, 150, 175, 200  
4 pieces of each  
(Aluminum A5056 with alumite surface treatment)



Step Clamps  
63.5L, 101.6L, 152.4L  
2 pieces of each  
(Engineering plastic)



Double Flanged Nuts  
10 pieces of M8  
(Engineering plastic)



Plain clamp  
63.5L, 101.6L, 152.4L  
2 pieces of each  
(Engineering plastic)

1993  
Designated as Ministry of  
International Trade and Industry  
Good Design Product

### Specifications

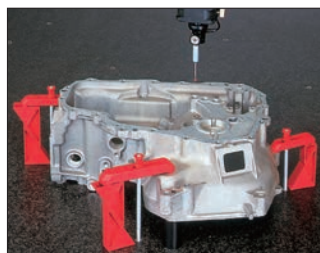
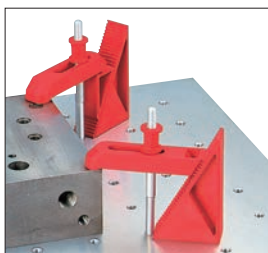
Order No.	No.	Matching Screw Diameter (Coarse Thread)	Weight (kg)
29997	PCS0008	M8×1.25	1.7

### Characteristics of Plastic Used

Property	Specific Gravity	Water Absorption Ratio	Heat Distortion Temperature	Thermal Conductivity	Linear Expansion Coefficient	Fire Resistance
Units	-	%	°C	cal/(cm·s·°C)	1°C	UL 94 standard
Conditions	23°C	20°C for 30 days	18.6kg/cm	-	-30°C~+30°C	1.6 mm Bar
Data	1.41	0.35	208	4.0×10 <sup>-4</sup>	3-8×10 <sup>-5</sup>	HB

Property	Tensile Strength Yield Point	Tensile Rupture Point	Bending Strength	Bending Elasticity	Izod Impact Strength	Insulation Breakdown Strength	Arc Resistance
Units	N/mm <sup>2</sup>	%	N/mm <sup>2</sup>	N/mm <sup>2</sup>	kJ/m <sup>2</sup>	kv/m	sec
Conditions	23°C	23°C	23°C	23°C	1/8" × 1/2" 23°C bar with notch	D149	D495
Data	97	4-6	170	5200	650	Short time method 20 Step method 15	125

### Usage Examples



Base Elements

Clamp Units

Clamping Parts

Machine Vises

Drilling Vises

Vibration  
IsolationSurface Plates and  
Measurement Instruments

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