

Section Q-3: Bessey Clamps

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# Maverick Hardware

## Bessey Clamps

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### K Body Parallel Clamps Series

#### Features

- Large parallel jaw surfaces made from non-marring polyamide
- Internal steel frame for accurate 90° angles
- Bessey anti-slip system: two hardened set screws molded into the sliding arm tightly grip the serrations in the rail
- Swivel fitting ensures clamp sits parallel to bench top.
- Removable tail-piece allows for reverse of sliding arm to use as spreader

Part #	Throat	Clamping	Spreading
	Depth	Capacity	Capacity
	<u>Inches</u>	<u>Inches</u>	<u>Inches</u>
BYK3.524	3 1/2"	24	9 1/4" - 28 1/2"
BYK3.531	3 1/2"	31	9 1/4" - 36 1/2"
BYK3.540	3 1/2"	40	9 1/4" - 44
BYK3.550	3 1/2"	50	9 1/4" - 53
BYK3.560	3 1/2"	60	9 1/4" - 63



### TG Professional Series Malleable Cast Clamps

#### Features

- Integrated Bessey anti-slip system – set screw that is molded into the sliding arm interlocks with the serration on the rail to prevent the clamp from slipping.
- Corrugated malleable cast iron fixed jaw and sliding arm generate powerful, rigid clamping. Top jaw press fitted to rail – no mechanical fasteners to loosen. Powder coating protects against corrosion.
- High quality profiled rail from Bessey's own steel plant optimized for clamps. The profile acts as a reliable reinforcement against torsional forces, while the serration on six faces additionally prevents the clamp from slipping.
- Smooth running spindle with Acme thread, more clamping with less cranking. Work hardened for strength.



### Light Duty Malleable Cast Bar Clamps

Part #	Throat	Clamping	Clamping
	Depth	Capacity	Force
	<u>Inches</u>	<u>Inches</u>	<u>Pounds</u>
BYTG4.008	2 1/2"	6	600
BYTG4.016	2 1/2"	12	600
BYTGJ2.506	2 1/2"	18	600
BYTGJ2.512	2 1/2"	24	600
BYTGJ2.518	2 1/2"	36	600
BYTGJ2.524	4"	8	600
BYTGJ2.536	4"	16	600

### Heavy Duty Malleable Cast Bar Clamps

Part #	Throat	Clamping	Clamping
	Depth	Capacity	Force
	<u>Inches</u>	<u>Inches</u>	<u>Pounds</u>
BYTGK4.516	4 1/2"	16	1540
BYTGK4.524	4 1/2"	24	1540
BYTGK4.540	4 1/2"	40	1540

## Bessey Clamps

### KliKlamps

#### Features

- Magnesium jaws are extremely light and strong.
- Ratchet mechanism is vibration resistant. Ideal for use with power tools. Ratchet action controls clamping and release quickly and easily.
- Fixed arm with V grooves holds any shaped work piece firmly.
- Durable, fiberglass reinforced polyamide clamping arm ergonomically designed for comfort and power.

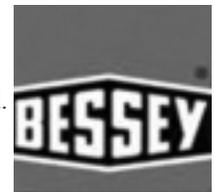


<u>Part #</u>	<u>Throat Depth Inches</u>	<u>Clamping Capacity Inches</u>	<u>Clamping Force Pounds</u>
BYKLI3.004	3"	4	260
BYKLI3.008	3"	8	260
BYKLI3.012	3"	12	260

### DuoKlamp One Handed Bar Clamps

#### Features

- The action of the DuoKlamp reverses from clamping to spreading with the simple twist of the mini dial. This unique feature makes it quick and easy to toggle between clamping and spreading without taking the tool apart.
- Ergonomic handle with pump lever configured parallel to the rail for balanced and safe handling.
- Quick press of a button allows the clamping arm to quickly slide up or down to clamping position.
- Large impact and fracture resistant reinforced polyamide jaws stay parallel to each other. Unique centered jaw configuration facilitates clamping on all four edges as well as the large surface of the jaw.



<u>Part #</u>	<u>Throat Depth Inches</u>	<u>Clamping Capacity Inches</u>	<u>Spreading Capacity Inches</u>	<u>Clamping Force Pounds</u>
BYDUO30-8	3 1/4"	12	3 – 14 1/2"	260
BYDUO65-8	3 1/4"	24	3 – 25 1/2"	260

### Bessey Angle Clamps for Construction and Woodworking

#### WS Angle Clamps

#### Features

- Holds and aligns material at a 90° angle. Accurate, ideal for cabinetry
- Adjusts automatically to wood thickness
- Galvanized spindle, acme thread, die cast jaws, plastic coated to protect work, designed for clearance for dowels, screws or staples while gluing. Arm ergonomically designed for comfort and power.



<u>Part #</u>	<u>Maximum Clamping Capacity</u>	<u>T-Joint Clearance Inches</u>
BYWS-3	Total both pieces – max 4" thick	1 1/8"
BYWS-6	Total both pieces – max 8" thick	2 7/16"

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### Regular Duty Edge Clamp Accessories

#### Features

- Choice of single or double spindle design
- For use with bar clamps with rails up to 1/2" thick

<u>Part #</u>	<u>Number of Spindles</u>
BY5-1	1
BY5-2	2

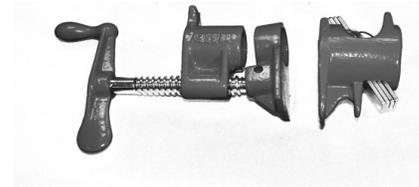


### "H" Style Pipe Clamp Fixtures

#### Features

- "H" shaped foot assembly stabilizes the clamp in two dimensions giving dual-axis stability
- Extra high base provides industry leading clearance from the work surface
- Cast jaws for durability, smooth action spindle

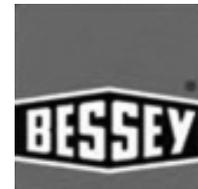
<u>Part #</u>	<u>Black Pipe Diameter</u>
BYPC34	3/4"
BYPC34DR	3/4" deep reach



### Bessey Traditional Steel Spring Clamps

These clamps feature: heavy duty springs for more pressure and longer life; nickel plated that won't rust or mark work piece; heavy duty vinyl tips and handles that won't mar clamping surfaces.

<u>Part #</u>	<u>Nominal Opening</u>	<u>Maximum Opening</u>	<u>Clamping Pressure</u>
BYXM3	1"	1 1/4"	33 lbs
BYXM5	2"	2 1/4"	49.5 lbs
BYXM7	3"	3 5/16"	66 lbs
BYXM10	4"	5"	53 lbs



### Bessey Wood Handscrew Clamps

#### BYHS-6

Feature a large diameter spindles for added strength and durability. Spindles and swivel nuts are made from cold drawn carbon steel. Acme thread for rapid operating and years of hard use. Hardwood handles are oversized for comfort, extra torque and reinforced with steel ferrules. The spiral pin used to secure the handles to the spindle is easy to remove for repair or replacement. Metal parts are treated to resist rust. The jaws, made from quality hard maple for a lifetime of use, are oiled to resist glue.

#### Features

- Jaw Length: 6"
- Max jaw opening: 3"
- Throat Depth: 3"
- Spindle Diameter: 5/16"



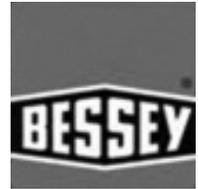
## Bessey Clamps

### EKT Professional One Hand Edge Clamp

**Features**

- Unique twin spindle. Outer spindle acts on the clamping jaws – inner spindle applies pressure to the front edge. Impact resistant plastic handle.
- Two large non-slip, opposing, gentle jaws for positive grip.
- Large swivel pressure plate applies pressure on demand. Removable protective cap.
- Lightweight, corrosion resistant aluminum housing designed for high static stress load.

<u>Part #</u>	<u>Throat Depth</u> <u>Inches</u>	<u>Clamping Capacity</u> <u>Inches</u>	<u>Clamping Force</u> <u>Pounds</u>
BYEKT-55	3	2 1/8"	500



### Rail & Stile Jig

**BYKP-BLOCKS**

For the use with any Bessey K-Body Clamps. This jig makes clamping square work pieces easy by applying even pressure to all sides of your project. These blocks can be used with any Bessey K Body Clamp from 12" to 98"



### Bessey Industrial Snips

**BYD48A-BE**

**Features**

- Overall length of snips is 7 1/2"
- Blade length is 1 3/8"
- Stainless steel blade
- Spring opens cutter automatically

