

BESSEY® Product Training



BESSEY® Tools North America
Premium all-steel bar clamps

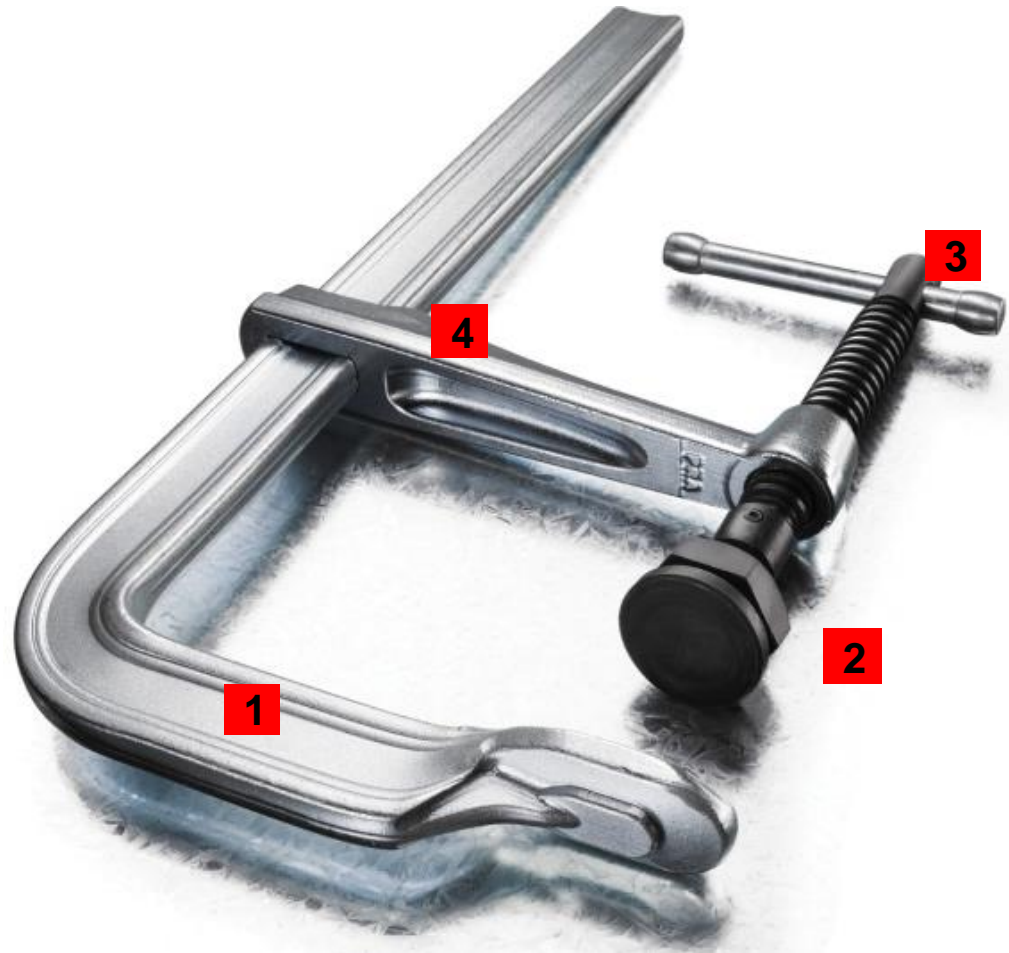
Metalworking: Premium all-steel bar clamps



Simply better.

Features:

- 1) Patented rail profile gives enhanced clamping force & increased stability. More clamping force per turn of the spindle.
- 2) Patented high performance BESSEY® MorPad
- 3) Smooth-running heat treated spindle with large ACME type thread - faster clamping with less effort. Extra hard surface resists weld spatter. Strong sliding t-bar handle size engineered to load capacity.
- 4) Patented sliding arm design. U-shape gives greater stability & more efficient transfer of force.



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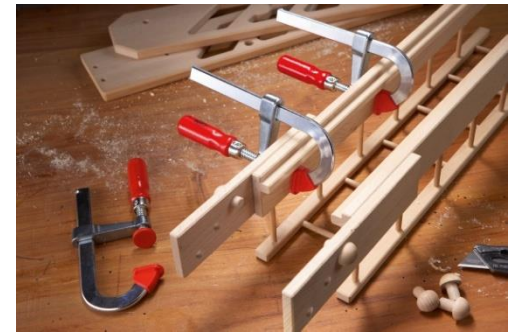
Patented High Performance MorPad

- ❑ Introduced in 2008
- ❑ Used on the following products:
 - ❑ 1800S, 2400S, 4800S, 7200S, 8500S Series

The heat-resistant pressure plate has a large ball at its core plus a lubricated sintered plate. These greatly improve a clamp's life expectancy due to the very low friction co-efficient. The pressure plate can be tilted to a full 35° and is fully replaceable.

Benefits at a glance :

- ❑ Greater life expectancy
- ❑ 35 degree range of movement
- ❑ V-Groove & Rough Faced versions also available



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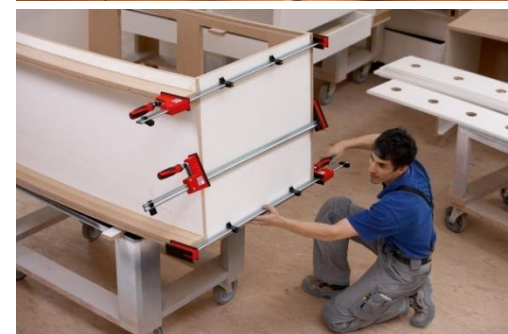
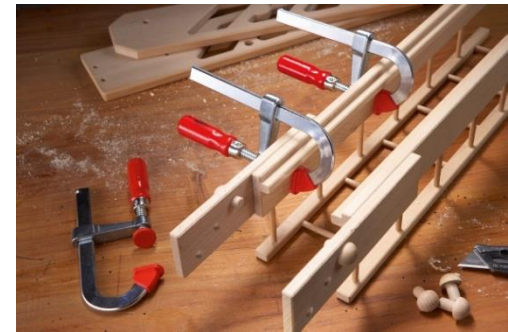
High Performance MorPad

	Competitor „S“	Competitor „W“	BESSEY*
Picture of the pressure plate			
Clamping force*	2660 lbs	2660 lbs	2660 lbs
Clamping force after 50 times of clamping	- 50% 1330 lbs**	- 21% 2135 lbs	SAME 2660 lbs

* Sample is a 2400S clamp (rail 30x15 mm) at 6inch opening, tightening torque 29.5 lb.ft.

** 1330 lbs after 35 times clamping only

Tests were made by the research department of BESSEY Tool GmbH & Co. KG



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Light Duty – 660-S Series

- ❑ Capacities available: 8", 12" & 18"
- ❑ Throat Depth: 4"
- ❑ Clamping Force rating 726 lbs

Light Duty – 1200S series ***

- ❑ Capacities available: 8" - 24"
- ❑ Throat Depth = 4-3/4" (5-1/2" on 1200S-12)
- ❑ Clamping Force rating 1320 lbs

Medium Duty 1800S series

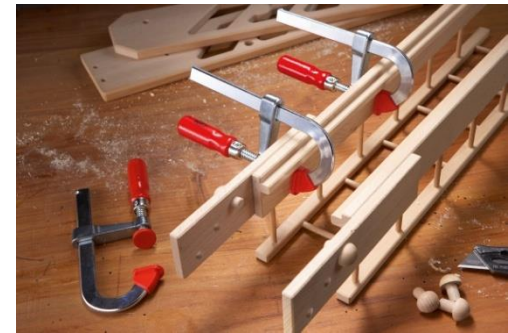
- ❑ 3 Patented features
 - Improved rail profile
 - Redesigned sliding arm
 - Premium 1st line MorPad
- ❑ T-handle with cushion grip now standard
- ❑ Capacities available: 8", 12", 18" & 24"
- ❑ Throat Depth = 4-3/4" Clamping Force rating 1980 lbs



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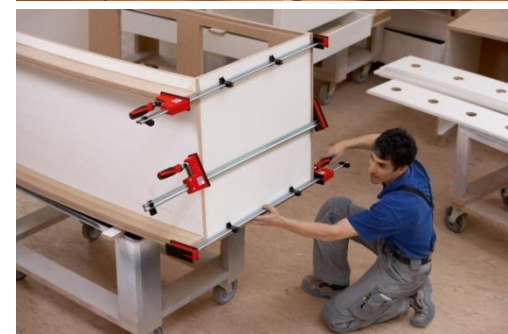
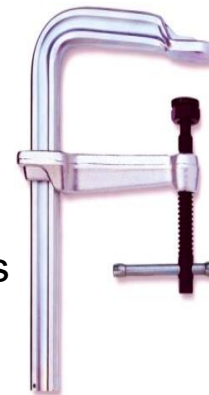
Regular Duty 2400 Series

- ❑ 3 Patented features
 - Improved rail profile
 - Redesigned sliding arm
 - Premium 1st line MorPad
- ❑ T-handle with cushion grip is standard
- ❑ Capacities available: 8" to 60"
- ❑ Throat Depth = 5-1/2"
- ❑ Clamping Force rating 2800 lbs



Heavy Duty 4800S series

- ❑ Large sturdy T-handle
- ❑ Capacities available: 12", 18", 24", 36", 48" & 60"
- ❑ Throat Depth = 7" Clamping Force rating 4880 lbs

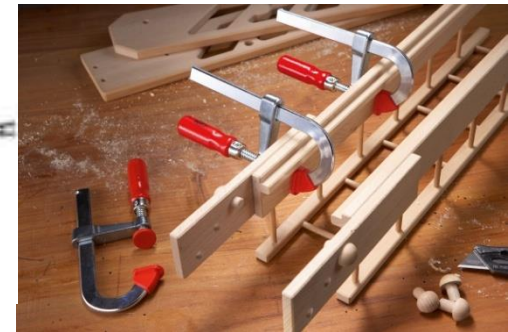


*** 4800 model are built with BESSEY® original classic profile rails

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Extra Heavy Duty 7200S series

- ❑ Extra large T-handle
- ❑ Capacities available: 12" , 18" & 36"
- ❑ Throat Depth: 4-3/4"
- ❑ Clamping force rating: 7770 lbs
- ❑ Safety wedge for extra locking pressure



8500 Series – High Performance

- ❑ Extra large T-Handle
- ❑ Capacities available: 6" & 14"
- ❑ Throat Depth: 4"
- ❑ Clamping force rating: 8500 lbs
- ❑ Safety wedge for extra locking pressure
- ❑ Hex head spindle

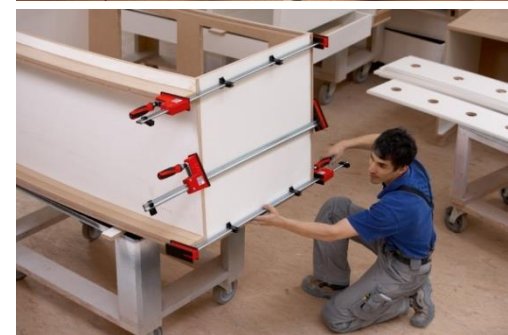
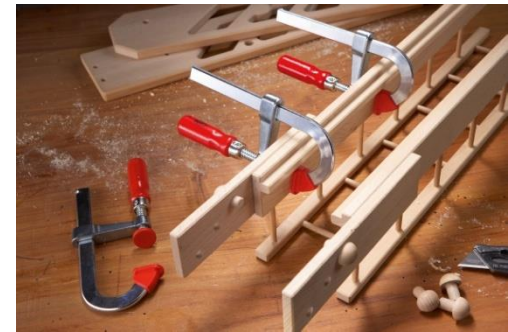


*** 7200 & 8500 models are built with BESSEY® original classic profile rails

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Deep Throat Models also available

- ❑ DT2400S-12 & DT2400S-24
- ❑ T-handle with cushion grip now standard
- ❑ Capacities available: 12" & 24"
- ❑ Throat Depth = 8"
- ❑ Clamping Force rating 1770 lbs
- ❑ Deep throat models are built with BESSEY® original classic profile rails



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Thank you for your attention!

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