

Machine table clamps

Clamping to equipment and machine tables



Rapid, powerful and safe when clamping to equipment and machine tables

At BESSEY you will also find a range of practical work table clamps – ideal clamps for assembly, drilling, rubbing, milling, grinding, honing, eroding, testing and much more. Original BESSEY BAS clamps are characterised above all by their incredibly compact design and high clamping pressure. The housings and clamping arms are made from tempered stainless steel and are therefore extremely heavy duty – even after many years of use and in the most restricted spaces. The work table clamps BS and the claw machine clamp GRS

can be tilted and are infinitely adjustable. The BS identifies a lever mechanism that facilitates quick clamping and releasing. When unobstructed access to the work area is a requirement or when clamping has to be done in confined spaces, the claw machine clamp GRS provides the necessary function thanks to an externally-positioned spindle. And, thanks to its swivelling pressure plate, the BSG work table clamp also provides the answer when clamping sloping parts, up to 35 degrees. As you can see, a comprehensive product range of products that leaves virtually no desire unanswered!



Your benefits at a glance:

1 Housings and clamping arms made from tempered stainless steel

BAS clamps are approx. 30 % smaller than comparable tools made by competitors and still provide the same high clamping forces. At a perpendicular to the jaw face, the self-locking worm gear unit exerts up to 16,000 N.

2 Clamping arm variants with polyamide seal

To provide for gentle clamping with optimum weight distribution, the short and long clamping arms of the BAS models are equipped with a swivelling aluminium pressure shoe. And when clamping has to be done in corners, BSP models equipped with a pointed clamping arm are the perfect tools. A special polyamide seal protects the interior against dirt.

3 Open or closed fastening holes

Models with an open hole can be clamped and unclamped more quickly. In closed versions, the screw, nut and clamp form a unit. All BAS clamps are easily fastened and released – thanks to the T bar wrench with an integrated hexagon ball head.

4 Space saving and adjustable

The compact design, both in height and surface requirements, distinguishes all of the models. Clamping height can be increased progressively in 80 mm steps with the BESSEY BASO base unit. When using more than one base unit, care must be taken to provide precise workpiece contact surfaces.



Machine table clamps



- Clamping force up to 16,000 N
- Space-saving design
- Fixing hole open for M 10 / M 12



BAS-C compact clamp, fixing hole open

No	← a →	← b →	⚖	📦	VB0003
	mm	mm	kg	qty.	
BAS-C9-4	88	40	1.30	1	
BAS-C10-6	97	60	1.30	1	
BSP-C10-6	97	60	1.30	1	

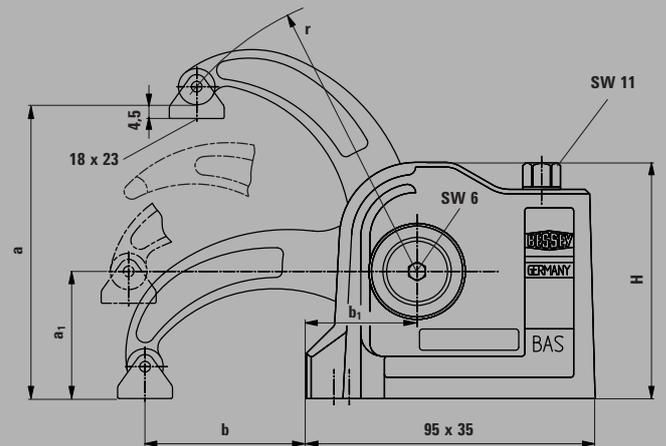


- Clamping force up to 16,000 N
- Space-saving design
- Fixing hole closed for M 10 / M 12



BAS-CB compact clamp, fixing hole closed

No	← a →	← b →	⚖	📦	VB0003
	mm	mm	kg	qty.	
BAS-CB9-4	88	40	1.30	1	
BAS-CB10-6	97	60	1.30	1	
BSP-CB10-6	97	60	1.30	1	



3D CAD data for download at www.bessey.de

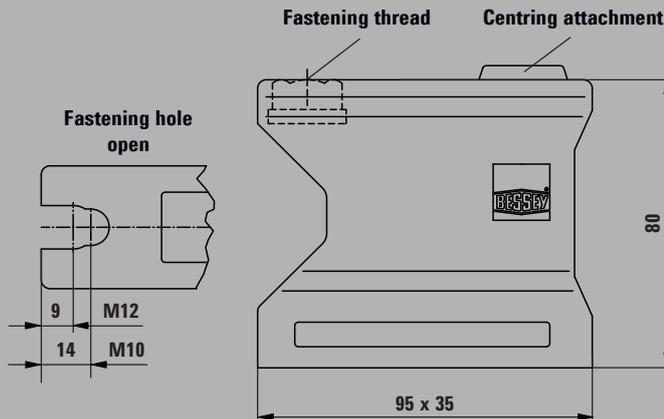
Machine table clamps



Base unit BASO



No	Clamping height	Fastening thread	For socket head screw DIN 912	⚖	📦	VB0003
	mm			kg	qty.	
BASO	80	M 10	M10 / M12	0.45	1	

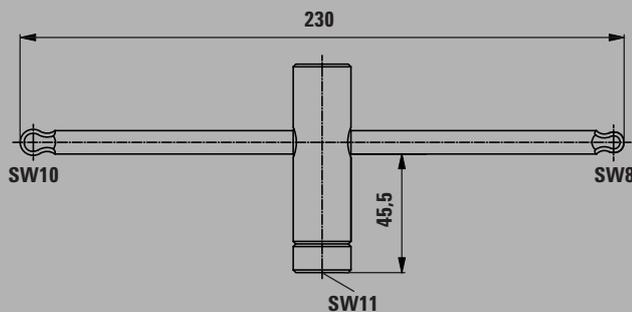


- 80 mm extension
- Stackable
- Fastening hole open, including cheese head screw
- Suitable for all BESSEY BAS clamps

BASKN wrench with T-bar



No	Width across flats, allen key	Width across flats, ball allen key	Tommy bar length	⚖	📦	VB0003
	mm	mm	mm	kg	qty.	
BASKN	WAF 11	WAF8+WAF10	230	0.38	1	



- T bar wrench with adjustment tool for M 10/M 12 socket head screws
- Suitable for all BESSEY BAS clamps

Table dimensions BAS

Order-No.	Clamping height max. "a"	Opening opt. "a1"	Throat depth "b"	Distance "b1"	Clamping arm "l"	Housing height "H"	Socket head screws	Fastening hole	Clamping force max.
	mm	mm	mm	mm	mm	mm	DIN 912		N
BAS-C9-4	88	42	40	36,5	75	78	M10 / M12	open	16.000
BAS-C10-4	97	42	60	36,5	94	78	M10 / M12		12.000
BSP-C10-6	97	42	60	36,5	94	78	M10 / M12		12.000
BAS-CB9-4	88	42	40	36,5	75	78	M10 / M12	closed	16.000
BAS-CB10-6	97	42	60	36,5	94	78	M10 / M12		12.000
BSP-CB10-6	97	42	60	36,5	94	78	M10 / M12		12.000
BASO	80	-	-	-	-	80	M10 / M12	open	-

Machine table clamps



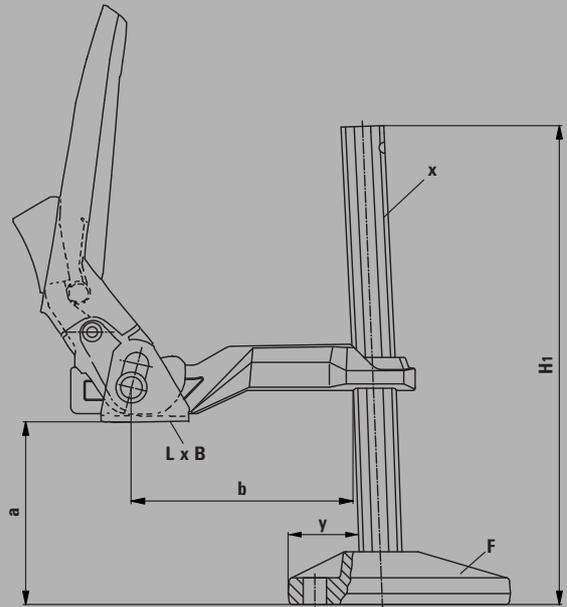
- Clamping force up to 10,000 N
- Tilting and infinitely height-adjustable
- For drilling and light milling work
- Lever mechanism for rapid clamping and release



Hold down table clamps BS



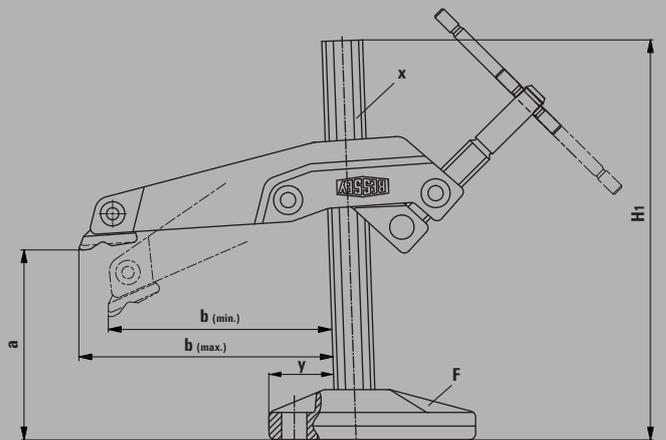
No	Clamping height max.	$\leftarrow b \rightarrow$	$\leftarrow x \rightarrow$				VB0003
	mm	mm	mm	mm	kg	qty.	
BS2N	200	100	19,5 x 9,5	10,5	1.35	1	
BS3N	200	120	22 x 10,5	13	1.55	1	
BS4N	200	120	28 x 11	16,5	2.65	1	
BS5N	240	140	30 x 15	16,5	3.30	1	
BS6N	500	140	30 x 15	16,5	4.00	1	



Claw machine clamp GRS



No	Clamping height max.	$\leftarrow b \rightarrow$	$\leftarrow x \rightarrow$					VB0003
	mm	mm	mm	appr.	mm	kg	qty.	
GRS20-12	200	123-140	28 x 11	7500	16,5	2.95	1	



- Clamping force up to 7,500 N
- Swivelling, vertically infinitely adjustable clamp
- Externally-positioned spindle to allow unobstructed access to the work area and clamping in confined spaces
- For drilling and light milling work

3D CAD data for download at www.bessey.de

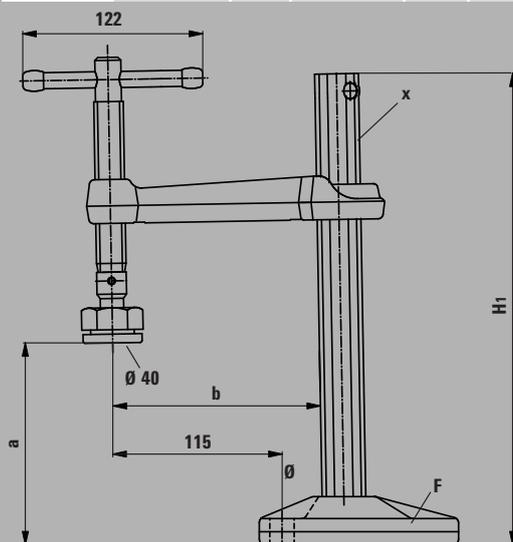
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Hold down table clamps BSG



№	Clamping height max.	← b →	← x →				VB0003
	mm	mm	mm	mm	kg	qty.	
BSG21-14	210	140	30 x 15	16,5	3,22	1	



- Clamping force up to 12,000 N
- For fastening to tables and other equipment
- Long life due to heat-resistant pressure plate with sintered steel insert, which can be tilted up to 35°

NEW

Attachment TW28H0



№	Hole Ø	Suitable for			VB0003
	mm		kg	qty.	
TW28H0	28	BAS-C / BAS-CB / BASO / BSN / GRS / BSG	0.14	1	

- Accessory for BESSEY work table clamp
- It can be used on welding tables by simply screwing it to the work table clamp

Table dimensions BS, GRS, BSG

Order-No.	Clamping height max. "a"	Throat depth "b"	Height of base "H1"	Pressure plate dimensions "L x B"	Foot "F"				Rail profile	Fastening hole "Ø"	Achievable clamping force at a clamping height of 50 mm
					Foot length	Foot width	Foot height	Distance to the rail "y"			
					mm	mm	mm	mm			
BS2N	200	100	260	42 x 25	100	38	25	32	19,5 x 9,5	10,5	3.500
BS3N	200	120	260	42 x 25	100	38	25	32	22 x 10,5	13	5.500
BS4N	200	120	270	48 x 31	135	49	33	42	28 x 11	16,5	7.500
BS5N	240	140	320	48 x 31	135	49	33	42	30 x 15	16,5	10.000
BS6N	500	140	580	48 x 31	135	49	33	42	27 x 13	16,5	10.000
GRS-20-12	200	123-140	265	25 x 35	135	48	33	42	28 x 11	16,5	7.500
BSG21-14	210	140	322	Ø 40	135	48	33	42	30 x 15	16,5	12.000