

## Stamping machines

### Technical data sheet

- Tools: steel types, engraved stamps, pin stamps or numbering heads.
- With low human effort the units achieve a high stamping performance.
- The handling can be manual or pneumatic depending on the unit design.
- The impact power is variable.



BM 18 - manual



BM 21 - pneumatic

#### Application area

BORRIES stamping machines can be used in a workshop for single, small batch and batch production. They are adaptable for almost every deformable material. Because of the big usable stroke workpieces with different heights can be marked without any adjusting. The easy handling, the well-engineered construction and the large range of marking stamps offer a lot of different application areas and make the BORRIES stamping machines to an indispensable tool.

#### Options

- Specific workpiece insertion system
- Two-hand control for BM 12, BM 21 and BM 35
- Switchgear for ANPW numbering heads



BM 21 with numbering head and two-hand control





## Technical data

	BM 11 / BM 12	BM 18 / BM 21	BM 30 / BM 35			
Operation	manual / pneumatic	manual / pneumatic	manual / pneumatic			
Impact power (depending on the used impact spring and on the set impact force)	approx. 2 kN to 6 kN	approx. 5 kN to 37 kN	approx. 30 kN to 113 kN			
Total height of column	375 mm	635 mm	840 mm			
Diameter of column	36 mm	60 mm	100 mm			
Table area	112 x 112 mm	162 x 162 mm	242 x 242 mm			
T-slot dimension	6 mm	8 mm	12 mm			
Throat depth to spindle center	88 mm	141 mm	192 mm (167 mm)			
Max. throat height (without tool)	174 mm	294 mm	285 mm			
Total stroke	40 mm	60 mm	80 mm			
Thereof usable stroke	30 mm	45 mm	55 mm			
Thereof spindle heeling	10 mm	15 mm	25 mm			
Dimension of shank	Ø 6 x 25 mm	Ø 10 x 35 mm	Ø 16 x 45 mm			
Net weight approx.	14 kg / 16 kg	50 kg / 52 kg	155 kg / 160 kg			
Max. dimension approx. (W x H x D)	140 x 510 x 225 mm	215 x 810 x 340 mm	385 x 1070 x 505 mm			
Max. air consumption per stroke*	0,5 ltr.	2,3 ltr.	5,4 ltr.			
Min. air supply pressure*	4 bar	4 bar	5 bar			
Max. work rate (strokes/h), app.*	1.250	1.500	1.500			
Number of characters**	Steel	Alu	Steel	Alu	Steel	Alu
Character height 1,0 mm	7	14	15	28	36	75
Character height 1,5 mm	6	13	14	26	30	70
Character height 2,0 mm	5	12	12	24	26	65
Character height 2,5 mm	4	10	11	22	19	60
Character height 3,0 mm	3	8	9	20	17	55
Character height 4,0 mm	2	6	8	16	15	50
Character height 5,0 mm	1	5	6	14	12	45

\* Only for pneumatic stamping machines BM 12, BM 21 and BM 35.

\*\* These information are rough standard values. Exact information can only be made after a sample marking with an original workpiece.

Technical details are subject to change.

