Impact marking spindles

Technical data sheet

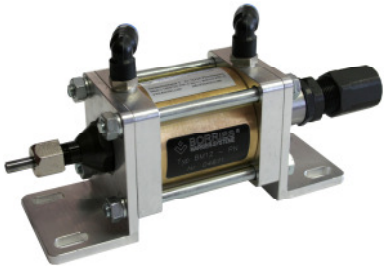
- Suitable for almost every plastic model deformable material
- Marking tools: steel types, engraved stamps or numbering heads
- Impact power is infinitely variable.
- Big usable stroke (depending on the design from 22 up to 150 mm avialable)

Application area

BORRIES impact marking spindles are suitable amongst others for marking applications on transfer lines, round cycle facility or testing stations. Because of the big usable stroke workpieces with different heights can be marked without any adjusting.

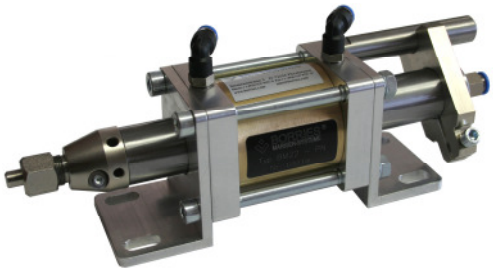
BM 12 PN

Smallest marking unit with an impact power up to 4 kN (pneumatic control)



BM 22 PN

Slim, powerful, exclusive pneumatically working unit with an impact power up to 18 kN



BM 21 PN / BM 21 HY

Marking unit with an impact power up to 25 kN.

Depending on the design the control is pneumatic (BM 21 PN) or hydraulic (BM 21 HY).

BM 35 PN / BM 35 HY

Powerful marking unit with an impact power up to 50 kN.

Depending on the design the control is pneumatic (BM 35 PN) or hydraulic (BM 35 HY).

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Technical data

	BM 12 PN	BM 22 PN	BM 21 PN	BM 21 HY	BM 35 PN	BM 35 HY
• Measurements	see drawing					
• Tool holder	ø 8 mm	ø 8/10 mm	ø 10 mm	ø 10 mm	ø 16 mm	ø 16 mm
• Usable stroke	21 mm	22 mm	50 mm	50 mm	90 mm	75 mm
• Pressure	5 bar	5 bar	5 bar	20 bar	5 bar	25 bar
• Air consumption L/ stroke	0.4	0.4	0.7	0.25	2.7	0.5
• Piston area cm^2	18 cm^2	18 cm^2	50 cm^2	18 cm^2	109 cm^2	25 cm^2

Marking power in steel/ aluminium with using of BORRIES steel types and type holders

	BM 12 PN		BM 22 PN		BM 21 PN		BM 35 PN	
max. numbers of characters*:	Steel	Alu	Steel	Alu	Steel	Alu	Steel	Alu
character height 1.0 mm	7	14	11	21	15	28	36	75
character height 1.5 mm	6	13	10	20	14	26	30	70
character height 2.0 mm	5	12	8	18	12	24	26	65
character height 2.5 mm	4	10	7	16	11	22	19	60
character height 3.0 mm	3	8	6	14	9	20	17	55
character height 4.0 mm	2	6	5	11	8	16	15	50

*) 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.

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