

CITOBORMA 90

HIGH PERFORMANCE DRILLING MACHINES



WE CREATE A PROFESSIONAL IMPRESSION



The new drilling machine generation.

■ The Nagel Citobormas are known world wide as the industry standard for twin or single spindle drills. The Citoborma 90 drills cover a wide range of applications and are remarkably user-friendly.

The standard version of the Citoborma 190 and 290 comes as a table top model. They are available with one spindle, two fixed spindles or two spindles with variable distance for any combination of holes to be drilled.



NAGEL CITOBORMA 290 B
with treadle.

Options

- To increase productivity all table top models can be upgraded to foot treadle operation or power stroke.
- 3 phase model available at no extra cost.
- Drill bit cooling for difficult material.

Features

- Unique quick release FlexoDrill® sliding table.
- Suitable for drilling paper, cardboard, plastic, textiles, leather etc.
- 6 preprogrammed hole patterns set-up within a second.
- Additional tabulator bar with interchangeable stops for individual programs.
- Paper width up to 470 mm.
- Throat depth up to 105 mm.
- Smooth drilling process.



NAGEL CITOBORMA 290 AB.

The high comfort FlexoDrill® sliding table with remarkable features.

- Automatic release after each stroke.
- Large sliding distance and throat depth.
- Centres the paper stack.
- Left side stop is retractable to ensure smooth and fast access.
- Takes large formats.
- Individually programmed tabulator bars are interchangeable.
- Table can be fixed at any position if required.



For operator's convenience: The quick release FlexoDrill® sliding table.



Preprogrammed hole patterns: Set-up within a second.

NAGEL CITOBORMA twin-spindle 290

- Model **Citoborma 290 B** with two self-centering spindles that can vary in position between 45 – 160 mm. Allows any combination of holes to be drilled.
- Model **Citoborma 290** with fixed centres 80 mm. Achieves the two hole pattern in one stroke.



NAGEL CITOBORMA 290 B
table top.

NAGEL CITOBORMA 190

- Single drill spindle for any hole pattern. Same precision as the larger models.



Technical specifications

Model	290 AB	290 B	290	190
Number of drill heads	2	2	2	1
Max. pile height (mm)	60	60	60	60
Max. paper width (mm)	470	470	470	470
Max. throat depth (mm)	105	105	105	105
Drill bit sizes (mm)	2 – 20	2 – 20	2 – 20	2 – 20
Distance between centres (mm)	45 – 160	45 – 160	80	–
Time/stroke (s)	3,3	Operator speed	Operator speed	Operator speed
Power stroke	Yes	Option	Option	Option
Foot treadle	–	Option	Option	Option
Certification	CE	CE	CE	CE
Power supply (V)	3 phase	Single or 3 phase		
Power consumption (kW)	0,7	0,5	0,5	0,5
H x W x D net (cm)	158 x 64 x 60	73 x 64 x 60	70 x 64 x 60	70 x 64 x 60
Weight, net (kg)	165	69	59	55
H x W x D (cm) gross	165 x 80 x 80	80 x 80 x 80	80 x 80 x 80	80 x 80 x 80
Weight, gross (kg)	195	90	80	75

NAGEL-drill bits with colour-coding.

Type 1 quality

- Green colour-coding.
- High-speed steel.
- Suitable for offset, copying and typing paper and board.
- Recommended for all manual drilling machines.
- Excellent value for money.



NAGEL drill bits:
 2 – 35 mm diameter;
 50 – 60 mm cutting length;
 options for special applications.

Drill bit care

- Nagel-waxpaper.
- Nagel-drill sharpener.

Teflon quality

- Blue colour-coding.
- Teflon-coated high-speed steel.
- Suitable for coated papers and board, plastic, films and rubber.

HD quality

- Yellow colour-coding.
- High-speed steel with high-density special coating.
- Service life up to four times that of type 1.
- Suitable for art paper and illustration printing paper.
- Top performance in high volume applications.

■ Contact

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