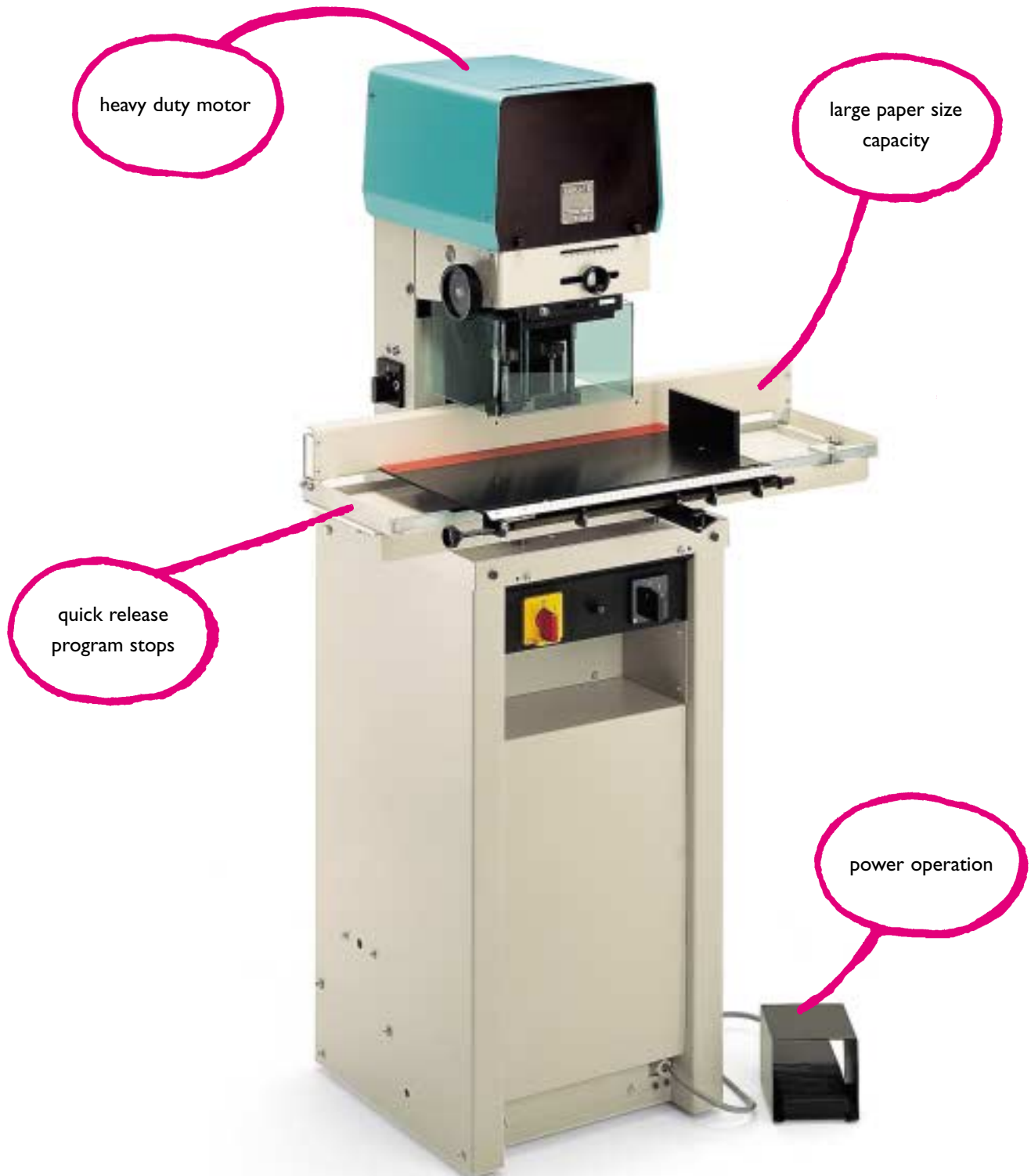


## Paper Drills Offering Outstanding Value for Money



# CITOBORMA 80

Citoborma drills have been building up their excellent reputation starting back in 1938. They offer the perfect solution for every drilling application (paper, cardboard, plastic, textiles, leather).

## The Citoborma 80s

are known worldwide as the industry standard for mid volume applications. This is due to their outstandingly good value for money, their durability and precision.

The standard version of the Citoborma 80s comes as a bench top model. They are available with one spindle, two fixed spindles or two spindles with variable distance for any combination of drilling heads.

## Specifications

- Heavy duty motor
- Solid cast iron machine
- Easily gliding sliding table with automatic release (originally invented by Nagel)
- 102 mm throat depth
- Long spindle guide guarantees accurate results
- Optional 3 phase model available without extra charges
- Simple, effortless operation

## Options

To make work more convenient and efficient a foot treadle or a power stroke are available as an option



Citoborma 280B:  
Foot treadle to give easy of operation

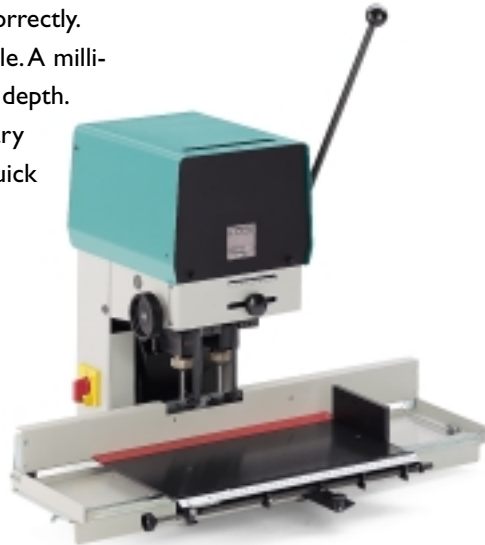


Citoborma 280AB:  
Power stroke for high performance



## The easily gliding sliding table (featuring ball bearings)

will be triggered automatically after each stroke. Any number of stop positions can be chosen. A fine tuning wheel allows for paper which has not been cut correctly. The stop bars are interchangeable. A millimetre scale indicates the throat depth. The table can be fixed if necessary by tightening a locking screw. Quick changeover from DIN A4 to A5.



## Citoborma 280B

- Two easily adjustable drill heads
- Hand-wheel for fast adjustment of the spindles
- Any combination of drilling holes achievable
- Adjustable drill bit height



## Citoborma 280

- Twin-spindle with fixed centres 80 mm
- Drilling of two hole pattern in one stroke
- Adjustable drill bit height



## Citoborma 180

- Single drill head
- Any combination of drilling holes achievable
- Engineered with the same precision as the larger models

## Nagel Drill Bits with Colour-Coding



### Type I 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



### HD quality

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

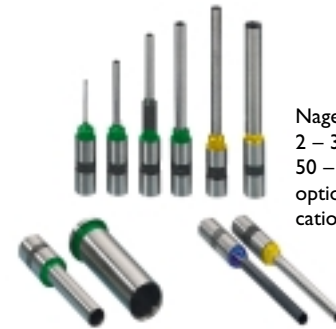


### Teflon quality

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

## Drill Bit Care

- NAGEL wax paper
- NAGEL drill sharpener



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

## Technical specification

Model	280 AB	280B	280	180
Number of heads	2	2	2	1
Max. pile height (mm)	60	60	60	60
Max. paper width (mm)	480	480	480	480
Max. throat depth (mm)	102	102	102	102
Drill sizes (mm)	2 - 20	2 - 20	2 - 20	2 - 20
Distance between centres (mm)	45 - 120	45 - 120	80	–
Time/stroke (s)	3,3	depending on operator	depending on operator	depending on operator
Power stroke	yes	option	option	option
Foot treadle	included	option	option	option
Certification	GS et CE	GS et CE	GS et CE	GS et CE
Electricity Supply (V)	3 phase	single or 3 phase		
Power (Kw)	0,7	0,5	0,5	0,5
H x W x L net (cm)	150 x 85 x 58	65 x 85 x 54	65 x 85 x 54	65 x 85 x 54
Weight, net (kg)	155	64	54	50
H x W x L (cm) packing included	176 x 95 x 76	71 x 92 x 40	71 x 92 x 40	71 x 92 x 40
Weight, gross (kg)	275	76	65	61
Service and consumables	Consumables, service and parts are available through a network of dealers trained on our products in more than 90 countries worldwide.			

July 2000.

Specifications are subject to change without prior notice.



ERNST NAGEL GMBH  
Breitwiesenstraße 21  
70565 Stuttgart, Germany

Tel. Export +49-7 11-7 80 78-21  
Tel. Domestic +49-7 11-7 80 78-11  
Fax +49-7 11-7 80 78-10  
Email sales@ernstnagel.com  
Internet www.ernstnagel.com