Spring-return system

Impressive freedom of marking; modular design for extra flexibility
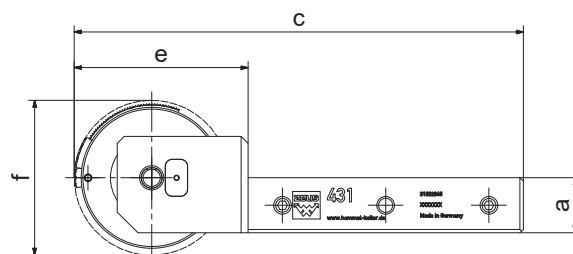
Tool set 431

Product features

- Modular design:
  Tool can be used as right-hand and left-hand version
- Modular shank design:
  shank size 16 x 16 mm, adaptable
- Top edge of shank = centre height
- Set screws in shank for correcting alignment
- Hardened pin
- Right spring (pre-mounted) for spindle direction M3 (CW), see page 27

Set consisting of

- 1 x base shank (solid shank version) tool 431-16M
- 1 x shank adapter 20 x 20 mm
- 1 x shank adapter 25 x 25 mm
- 1 x spring, left (for changing the direction of rotation)
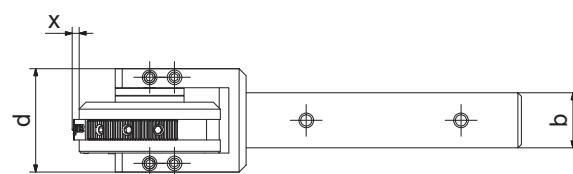- 1 x start and end segment
- In high-quality case

TOOL SET

Order no.	Tool holder designation	Dimension [mm]						
		a	b	c	d	e	f	x
31002845	431-16M450633-A	16	16	130.5	30	50.5	45	2
	With shank adapter 20 x 20 mm	20	20	130.5	20	50.5	45	2
	With shank adapter 25 x 25 mm	25	25	130.5	20	50.5	47.5	2

E-KIT

Order no.	Direction
21BHR1509	right
21BHR1510	left

Spring-return system

Marking segment n° 42

Benefits

- Especially versatile, since it is independent of the workpiece diameter
- Exchangeable segments enable fast, flexible, and economical adaptation of the text for different applications
- Marking is possible at high speed
- Change of the reading direction is possible (see operating manual)
- Exchangeable segment mount unit for faster switching to a different text
- Segments can be exchanged individually
- Full depth and definition are accomplished in one go
- All characters can be used as a drive, e.g. logos, backslash, asterisks, number signs, etc.

Application

- Precise positioning of characters on workpiece circumference
- Centre height corresponds to first marking point
- Marking positions can be set as desired

Features

- The design of marking segment n° 42 is independent of the workpiece diameter
- Three driving points guarantee a perfect impression. They may be placed to the side of the characters
- Marking without driving points is generally possible

Standard design		For marking tools
Flank angle	90°	
Dimensions (Ø x width x bore) [mm]	45 x 6 x 33	431
Typeface	According to DIN 1451	
Max. character height	See "Technology" starting on page 20	

Order no. character height 2 mm	Order no. character height 3 mm	Segments designation
82000067		Start segment
82002237	82002300	Letter set A – Z
82000441	82000378	Numeral set 0 – 9
82000433	82000041	Special character . (dot)
82000879	82002230	Special character / (slash)
82000416	82000040	Special character – (minus)
82000065		End segment