



BORNEMANN

BW Hollow cutter

Applications

Milling and the manufacture of:

- Patterns (foundry patterns, design patterns and others)
- Sculptures
- Decorations
- Packagings
- Case inserts
- Body-contoured seats, pads and cushions for medical and orthopaedic applications
- Engineered milling parts for multitude of uses
- and many more

Milling materials

Hard, brittle, expanded plastics:

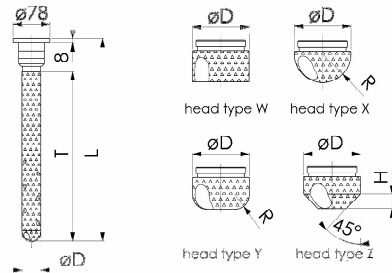
- Polystyrene (PS, XPS) up to 50 kg/m³
- Polyurethane (PU) up to 120 kg/m³
- and others

Semi-hard to viscous expanded plastics:

- Polyethylene (PE)
- Polypropylene (PPE / EPP)
- Polyurethane (PU)
- and others

Advantages

- Fast milling of patterns
 - allows for the high productivity
- Very good quality finishes
 - minimise manual rework
 - provides high planning reliability ensuring quality products
- Keep close tolerances
 - provides high planning reliability ensuring quality products
- Continuous direct suction effectively removes chips internally through the hollow cutter by utilising a hollow-shaft motor with a suction machine (suction milling)
 - assures a high rate of chip removal
- Quickly exchangeable cutter tips
 - allow for the speedy change to another head type
 - ensure the user-friendly exchange of the most frequently used hollow cutter part
- Special hardening guarantees a long service life
 - ensures high economic efficiency
- Dynamically balanced
 - precise concentricity
- Also available with integrated ISO or HSK adaptor.



Ordering specifications / dimensions

BW Hollow Cutters

Article-no.	Ø D [mm]	T [mm]	L [mm]
BW 500.200-__	15	120	205
BW 500.201-__	20	200	270
BW 500.207-__	20	250	320
BW 500.213-__	30	300	370
BW 500.218-__	30	350	420
BW 500.214-__	40	300	370
BW 500.221-__	40	350	420
BW 500.222-__	40	400	470
BW 500.397-__	40	450	520
BW 500.215-__	45	300	370
BW 500.219-__	45	350	420
BW 500.315-__	45	400	470
BW 500.384-__	45	450	520
BW 500.228-__	50	350	420
BW 500.295-__	50	400	470
BW 500.284-__	50	450	520
BW 500.280-__	50	500	570
BW 500.220-__	60	350	420
BW 500.297-__	60	400	470
BW 500.282-__	60	450	520
BW 500.299-__	60	500	570
BW 500.276-__	60	600	670

BW Hollow Cutter Tips (exchangeable tips)

Article-no.	Ø D [mm]
BW 500.430-15-__	15
BW 500.430-20-__	20
BW 500.430-30-__	30
BW 500.430-40-__	40
BW 500.430-45-__	45
BW 500.430-50-__	50
BW 500.430-60-__	60

Please indicate for place holder __:

1. head type W, X, Y or Z,
2. radius R or height H.

Other dimensions on request.

Technical modifications reserved. Status August 2016