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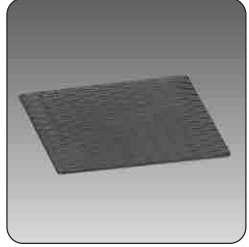
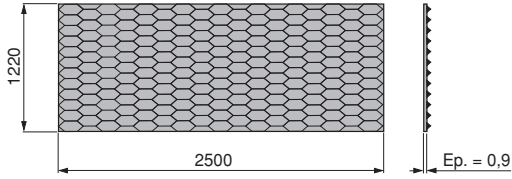
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Material :  
Stainless Steel

**GSB CODE:Z000166439**

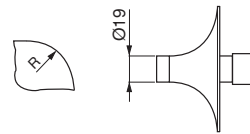
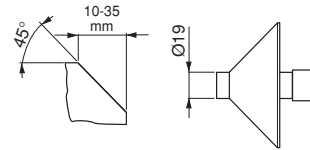
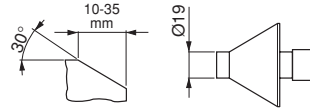
Code	Dimensions
	mm
Z000166439	2500x1220x ep.0,9



Material :  
90Mn4  
HRC 36 ÷ 40  
  
Sleeve 1.7220 (34CrMo4)  
  
Black oxide finish.

**Technical Data**

Order Code	<b>BW 100-230V</b>
Voltage	230 V
Frequency	50-60 Hz
Speed	4500 min <sup>-1</sup>
Case with insertion weight	1,4 Kg
Total weight	3,4 Kg
Dimension handbag	420x350x98 mm

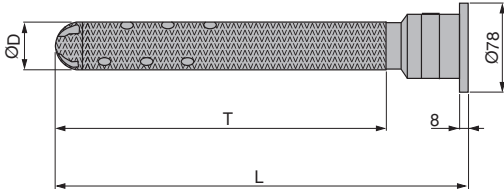


**GSB CODE:BW 100**

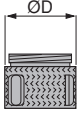
Code	Description	Weight Kg
BW 100-230V	APOLLO 2 - modelling-set, complete, 17 parts, scope see underneath 230 V, 50 Hz	4,900
	BW 500.460 - drive incl. 2 socket wrenches	1,460
	BW 500.461 - case with insertion	1,460
	BW 500.465 - chamfering cutter 45°	0,310
	BW 500.466 - chamfering cutter 30°	0,310
	BW 500.467 - rounding-off cutter R 10	0,160
	BW 500.468 - rounding-off cutter R 15	0,200
	BW 500.469 - rounding-off cutter R 20	0,230
	BW 500.470 - rounding-off cutter R 25	0,270
	BW 500.471 - depth limit H 10	0,090
	BW 500.472 - depth limit H 15	0,080
	BW 500.473 - depth limit H 20	0,070
	BW 500.474 - depth limit H 25	0,060
	BW 500.475 - depth limit H 30	0,050
	BW 500.476 - depth limit H 35	0,030
	BW 500.477 - connection piece	0,070
	BW 500.039 - suction tube (optional) Ø25 mm x 5 m	1,000

**Benefits:**

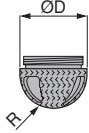
- For fine and accurate milling results
- For rapid chamfering and grinding of model edges
- Six different milling cutters are permanently available
- Compatible APOLLO 2 extension sets for bore cutting and 3D-milling are also available
- APOLLO 2 with electronic revolution control adapts optimally to all materials
- APOLLO 2-milling cutters with super-long tool life due to BW-special hardening
- Convenient tool exchange



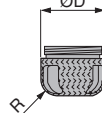
Form - W



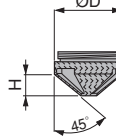
Form - X



Form - Y



Form - Z



Milling Materials  
Hard, brittle, expanded plastics :  
PS /XPS, PU

Semi-hard to viscous expanded  
plastics:  
PE, PPE / EPP, PU

and others

**GSB CODE:BW 500**

**BW HOLLOW CUTTERS**

Code	ØD	T	L
BW 500.200-__	15	120	190
BW 500.201-__	20	200	270
BW 500.207-__	20	250	320
BW 500.202-__	30	200	270
BW 500.208-__	30	250	320
BW 500.213-__	30	300	370
BW 500.218-__	30	350	420
BW 500.203-__	40	200	270
BW 500.209-__	40	250	320
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 500.204-__	45	200	270
BW 500.210-__	45	250	320
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 500.230-__	45	500	570
BW 500.205-__	50	200	270
BW 500.211-__	50	250	320
BW 500.216-__	50	300	370
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 500.206-__	60	200	270
BW 500.212-__	60	250	320
BW 500.217-__	60	300	370
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

**HOLLOW CUTTER TIPS (Exchange tips)**

Code	ØD
BW 500.430-15-__	15
BW 500.430-20-__	20
BW 500.430-25-__	25
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

**Order Example: (Hollow Cutters)**

BW 500.Code-Form ( R or H)

D=45, T=250 and Form=Y

Order Code: BW 500.210-YR10

**Order Example: (Hollow Cutters Tips)**

BW 500.430-D-Form

D=40, T=250, Form=Z, and H=25 mm

Order Code: BW 500.430-40-ZH25

**Advantages :**

Fast milling of patterns

Very good quality finishes

Provides high planning reliability ensuring quality products

Keep close tolerances

Continuous direct suction effectively removes chips internally through the hollow cutter by utilising a hollowshaft motor with a suction machine (suction milling)

Quickly exchangeable cutter tips

Special hardening guarantees a long service life

Dynamically balanced

Also available with integrated ISO or HSK adaptor



GSB Code	Colour	Lt.
D901-01-745	Blue	250 ml.

**GSB CODE:D901-01-745**

## Physical and Chemical Properties

Physical State	Paste
Colour	Blue
Odour	Characteristic
Melting Point	45 °C
Flammability	> 150 °C
Explosiveness	not explosive
Density	0,85 g/ml
Solubility	In many solvents
Water Solubility (20°C)	Insoluble

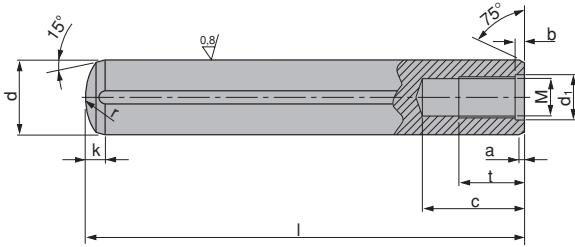
## Fiziksel ve Kimyasal Özellikler

Fiziksel Durum	Pasta
Renk	Mavi
Koku	Karakteristik
Erime Noktası	45 °C
Yanma Derecesi	> 150 °C
Patlayıcılık	Patlayıcı özelliği yoktur
Yoğunluk	0,85 g/ml
Çözünürlük	Bir çok çözücüde çözünür
Suda Çözünme (20°C)	Suda çözünmez

## Physische und Chemische Eigenschaften

Physischer Zustand	Paste
Farbe	Blau
Geruch	Karakteristik
Schmelzpunkt	45 °C
Endzündbarkeit	> 150 °C
Brisant	Keine
Dichte	0,85 g/ml
Lösbarkeit	Mit den meisten Lösungsmittel lösbar
Wasserlöslichkeit (20°C)	Keine





Material :  
16MnCr5  
HRC 60 ÷ 62  
Depth ≥ 0,8

**GSB CODE:**A103-01 & A103-02

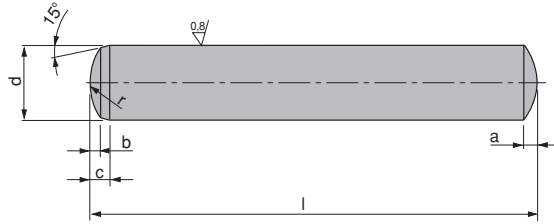
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0,8	1,0	10	6	4,3	1,5	20	25	30	35	40	45	50	55	60	70	80		M4	6	6		
1,0	1,2	12	8	5,3	2,0	20	25	30	35	40	45	50	55	60	70	80	90	100	120	M5	8	8
1,2	1,2	16	10	6,4	2,5	20	25	30	35	40	45	50	55	60	70	80	90	100	120	M6	10	10
1,6	1,2	20	12	6,4	3,0	20	25	30	35	40	45	50	55	60	70	80	90	100	120	M6	12	12
1,8	1,5	25	14	8,4	3,5			30	35	40	45	50	55	60	70	80	90	100	120	M8	14	14
2,0	1,5	25	16	8,4	4,0			30	35	40	45	50	55	60	70	80	90	100	120	M8	16	16
2,5	1,5	28	20	10,5	5,0			30	35	40	45	50	55	60	70	80	90	100	120	M10	20	18

**Order Example:**  
d(dia.) for m6 tolerance;  
A103-01- d - l  
d=8, l=120  
**Order Code:**A103-01-008-120

**Order Example:**  
d(dia.) for h6 tolerance;  
A103-02- d - l  
d=8, l=120  
**Order Code:**A103-02-008-120



Material :  
16MnCr5  
HRC 60 ÷ 62  
Depth ≥ 0,8



**GSB CODE:**A103-03 & A103-04

a	b	c	d	l													r	
0,9	0,6	1,5	6	20	25	30	35	40	45	50	55	60	70	80				6
1,2	0,8	2,0	8	20	25	30	35	40	45	50	55	60	70	80	90	100	120	8
1,5	1,0	2,5	10	20	25	30	35	40	45	50	55	60	70	80	90	100	120	10
1,8	1,3	3,0	12	20	25	30	35	40	45	50	55	60	70	80	90	100	120	12
2,0	1,3	3,5	14			30	35	40	45	50	55	60	70	80	90	100	120	14
2,5	1,7	4,0	16			30	35	40	45	50	55	60	70	80	90	100	120	16
3,0	2,0	5,0	20			30	35	40	45	50	55	60	70	80	90	100	120	20

**Order Example:**  
d(dia.) for m6 tolerance;  
A103-03- d - l  
d=8, l=120  
**Order Code:**A103-03-008-120

**Order Example:**  
d(dia.) for h6 tolerance;  
A103-04- d - l  
d=8, l=120  
**Order Code:**A103-04-008-120