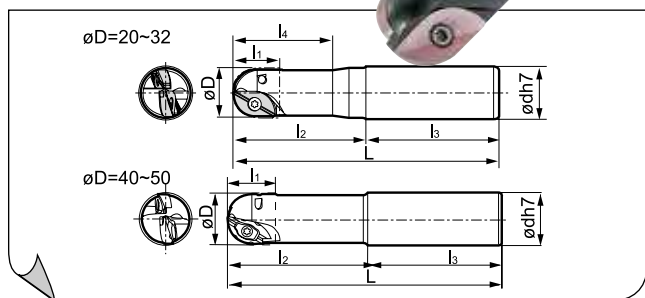


Wave Ball Mill™ for Roughing WBMR 2000 Type



Body (Short and middle length type, 2 teeth)

Cat. No.	Stock	Dimensions (mm)						
		øD	ød	l ₁	l ₂	l ₃	l ₄	L
WBMR 2200 S	●				60	80		140
WBMR 2200 M	●	20	25	20	60	140	40	200
WBMR 2200 MW	●							
WBMR 2250 S	●				70	80		150
WBMR 2250 M	●	25	32	23	73	147	50	220
WBMR 2250 MW	●							
WBMR 2320 S	●				80	80		160
WBMR 2320 M	●	32	32	31	85	155	60	240
WBMR 2320 MW	●							
WBMR 2400 S	□				100	100		200
WBMR 2400 M	□	40	42	35	180	100	-	280
WBMR 2500 S	□				100	100		200
WBMR 2500 M	□	50	42	47	180	100	-	280

- S: Short type with cylindrical shank
 M: Middle length type with cylindrical shank
 MW: Middle length type with Weldon shank

Inserts

Fig. 1

Fig. 2

Fig. 4

Fig. 5

Cat. No.

Coated

Dimensions (mm)

Fig.

No.
of
teeth

Applicable
Endmill

ACP
200

ACP
300

ACK
300

A

B

s

r

ZNMT 1804100-C

18,00

9,76

4,76

10

1

1 WBMR2200

ZNMT 2004100-S

20,00

7,50

4,37

10

2

ZNMT 2205125-C

22,50

12,20

5,70

12,5

1

1 WBMR2250

ZNMT 2305125-S

23,00

9,38

5,56

12,5

2

ZNMT 2907160-C

29,00

15,62

7,15

16

1

1 WBMR2320

ZNMT 3006160-S

30,00

12,00

6,70

16

2

ZNMT 3608200

36,00

19,50

6,70

20

4

2 WBMR2400

ZNMT 4310250

43,00

25,70

10,15

25

4

2 WBMR2500

ZNMT 4310250-N

43,00

25,70

10,15

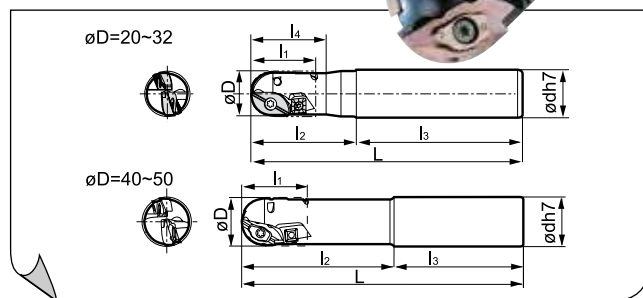
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Spare Parts

Screw	Wrench	Wrench	Applicable Endmill
BFTX0307N	TRX10	-	WBMR 2200
BFTX0409N	-	TRD15	WBMR 2250
BFTX0511N	-	TRD20	WBMR 2320
BFTX0619N	-	TRD25	WBMR 2400
			WBMR 2500

Wave Ball Mill™ for Roughing WBMR 2000L Type



Body (Extra long type, 4 teeth)

Cat. No.	Stock	Dimensions (mm)						
		øD	ød	l ₁	l ₂	l ₃	l ₄	L
WBMR 2200 LL	●	20	25	30	80	170	40	250
WBMR 2200 LLW	●							
WBMR 2250 LL	●	25	32	38	100	200	50	300
WBMR 2250 LLW	●							
WBMR 2320 LL	●	32	32	44	120	230	60	350
WBMR 2320 LLW	●							
WBMR 2400 LL	□	40	42	50	250	100	-	350
WBMR 2400 LLW	□							
WBMR 2500 LL	□	50	42	69	250	100	-	350
WBMR 2500 LLW	□							

- LL: Extra long type with cylindrical shank
 LLW: Extra long type with Weldon shank

Inserts

Fig. 1		Fig. 2		Fig. 3						
Fig. 4		Fig. 5								
Cat. No.	Coated			Dimensions (mm)				Fig.	No. of teeth	Applicable Endmill
	ACP 200	ACP 300	ACK 300	A	B	s	r			
ZNMT 1804100-C	●	●	●	18,00	9,76	4,76	10	1	1	WBMR2200
ZNMT 2004100-S	●	●	●	20,00	7,50	4,37	10	2		
SPMT 070308	○	○	○	7,94	—	3,18	—	3		
ZNMT 2205125-C	●	●	●	22,50	12,20	5,70	12,5	1	1	WBMR2250
ZNMT 2305125-S	●	●	●	23,00	9,38	5,56	12,5	2		
SPMT 09T308	●	●	●	9,53	—	3,97	—	3		
ZNMT 2907160-C	●	●	●	29,00	15,62	7,15	16	1	1	WBMR2320
ZNMT 3006160-S	●	●	●	30,00	12,00	6,70	16	2		
SPMT 09T308	●	●	●	9,53	—	3,97	—	3		
ZNMT 3608200	○	○	○	36,00	19,50	6,70	20	4	2	WBMR2400
SPMT 09T308	●	●	●	9,53	—	3,97	—	3		
ZNMT 4310250	○	○	○	43,00	25,70	10,15	25	4		
ZNMT 4310250-N	○	○	○	43,00	25,70	10,15	25	5	2	WBMR2500
SPMT 120408	○	○	○	12,7	—	4,76	—	3		

Spare Parts

Screw	Wrench	Wrench	Applicable Endmill
BFTX0307N	TRX10	-	WBMR 2200 LL
BFTX0409N	-	TRD15	WBMR 2250 LL
BFTX0511N	-	TRD20	WBMR 2320 LL
BFTX0407N	-	TRD15	WBMR 2320 LL
BFTX0619N	-	TRD25	WBMR 2400 LL
BFTX0409N	-	TRD15	WBMR 2500 LL