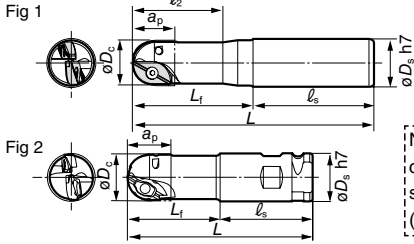


WBMR 2000 Type

Rake Angle	Radial	—
	Axial	-10°

20 to 47mm



Note: Fig. 2 shows combination shank diagram (2500□-C).

Body

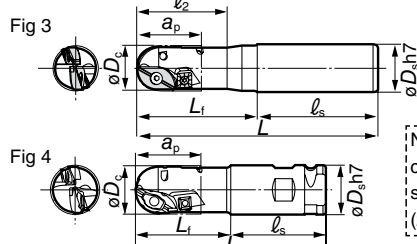
Cat. No.	Stock	Dimensions (mm)							Fig
		ϕD_c	ϕD_s	a_p	L_f	l_s	l_2	L	
WBMR 2200S	●	20	25	20	60	80	40	140	1
2200M	●	20	25	20	60	140	40	200	1
2200L	●	20	25	20	80	170	40	250	1
WBMR 2250S	●	25	32	23	70	80	50	150	1
2250M	●	25	32	23	73	147	50	220	1
2250L	●	25	32	23	100	200	50	300	1
WBMR 2300S	●	30	32	28	80	80	60	160	1
2300M	●	30	32	28	85	155	60	240	1
2300L	●	30	32	28	120	230	60	350	1
WBMR 2400S	●	40	42	35	100	100	—	200	1
2400M	●	40	42	35	180	100	—	280	1
2400L	●	40	42	35	250	100	—	350	1
WBMR 2500S	●	50	42	47	100	100	—	200	1
2500M	●	50	42	47	180	100	—	280	1
2500L	●	50	42	47	250	100	—	350	1
WBMR 2500S-C	●	50	50.8	47	100	100	—	200	2
2500M-C	●	50	50.8	47	180	100	—	280	2
2500L-C	●	50	50.8	47	250	100	—	350	2

Inserts are not included.

WBMR 2000L Type

Rake Angle	Radial	—
	Axial	-10°

30 to 69mm



Note: Fig. 2 shows combination shank diagram (2500□-C).

Body

Cat. No.	Stock	Dimensions (mm)							Fig
		ϕD_c	ϕD_s	a_p	L_f	l_s	l_2	L	
WBMR 2200SL	●	20	25	30	60	80	40	140	3
2200ML	●	20	25	30	60	140	40	200	3
2200LL	●	20	25	30	80	170	40	250	3
WBMR 2250SL	●	25	32	38	70	80	50	150	3
2250ML	●	25	32	38	73	147	50	220	3
2250LL	●	25	32	38	100	200	50	300	3
WBMR 2300SL	●	30	32	42	80	80	60	160	3
2300ML	●	30	32	42	85	155	60	240	3
2300LL	●	30	32	42	120	230	60	350	3
WBMR 2400SL	●	40	42	50	100	100	—	200	3
2400ML	●	40	42	50	180	100	—	280	3
2400LL	●	40	42	50	250	100	—	350	3
WBMR 2500SL	●	50	42	69	100	100	—	200	3
2500ML	●	50	42	69	180	100	—	280	3
2500LL	●	50	42	69	250	100	—	350	3
WBMR 2500SL-C	●	50	50.8	69	100	100	—	200	4
2500ML-C	●	50	50.8	69	180	100	—	280	4
2500LL-C	●	50	50.8	69	250	100	—	350	4

Inserts are not included.

Inserts (Common)

P Steel M Stainless Steel K Cast Iron N Non-Ferrous Metal S Exotic Alloy H Hardened Steel

Cat. No.	Grade	Coated Carbide					Dimensions (mm)				Fig	Applicable Endmill	Remarks
		High Speed/Light	General Purpose	Roughing	A	B	s	r_E					
ZNMT 1804100-C		●	●	●	●	18.00	9.76	4.76	10	5	WBMR 2200	Main inserts are Fig. 5 & 6. Additional insert Fig. 7 for 2200□L	
2004100-S		●	●	●	●	20.00	7.50	4.37	10	6			
SPMT 070308		●	●	●	●	7.94	—	3.18	—	7	WBMR 2250	Main inserts are Fig. 5 & 6. Additional insert Fig. 7 for 2250□L	
ZNMT 2205125-C		●	●	●	●	22.50	12.20	5.70	12.5	5			
2305125-S		●	●	●	●	23.00	9.38	5.56	12.5	6	WBMR 2300	Main inserts are Fig. 5 & 6. Additional insert Fig. 7 for 2300□L	
SPMT 09T308		●	●	●	●	9.53	—	3.97	—	7			
ZNMT 2706150-C		●	●	●	●	27.00	14.64	6.75	15	5	WBMR 2400	Main inserts are Fig. 8 x 2pcs. Additional insert Fig. 7 for 2400□L	
2806150-S		●	●	●	●	28.00	11.25	6.35	15	6			
SPMT 09T308		●	●	●	●	9.53	—	3.97	—	7	WBMR 2500	Main inserts use Fig. 8 x 2pcs / Fig. 9 (nicked) x 2pcs. Additional insert Fig. 7 for 2500□L	
ZNMT 3608200		●	●	●	●	36.00	19.5	8.65	20	8			
SPMT 09T308		●	●	●	●	9.53	—	3.97	—	7			
ZNMT 4310250		●	●	●	●	43.00	25.7	10.15	25	8			
4310250-N		●	●	●	●	43.00	25.7	10.15	25	9			
SPMT 120408		●	●	●	●	12.70	—	4.76	—	7			

■ Spare Parts, ■ Recommended Cutting Conditions Listed On H103