

ZMAC ADVANCED BORING ARBOR (ZMAC-VR)



Boring for Semi-Finishing—ZMAC-VR



ZMAC-VR

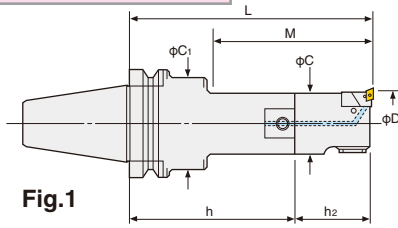


Fig.1

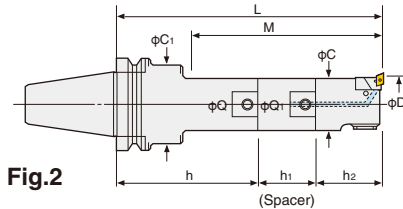


Fig.2

ZMAC100-VR, 140-VR

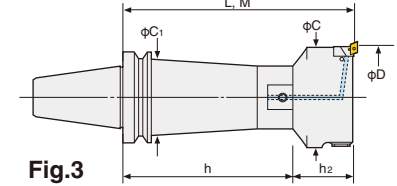








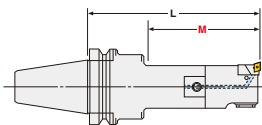
Fig.3

Code No. of the insert tip  are shown.

JAPAN PAT.

TAPER	Code No.	Boring Range D	Boring Depth M	C	C ₁	Shank Code No.	Extension Spacer Code No.	P.86		Weight (kg)	Fig.
								Head No.	Insert No.		
						BT No.-Q-h	Q-Q1-h1	Q- Min.D -h2			
No.40	BT40-ZMAC32R -150V	31.8~42.2	77	31	42	BT40-Q16- 95	—	16-ZMAC32R-55V	CC06-C	2.5	1
	(IT40) -180V		110			-Q16-125				2.7	
	-195V		122			-Q16- 95				SP16-16-45	
	-ZMAC42R -150V	41.8~55.2	97	40	50	-Q20- 80	—	20-ZMAC42R-70V	CC06-C	3.0	1
	-180V		130			-Q20-110				3.2	
	-210V		157			-Q20- 80				SP20-20-60	
	-ZMAC55R -165V	54.8~70.2	135	53	50	-Q26- 95	—	26-ZMAC55R-70V	CC06-C	3.9	1
	-210V		180			-Q26-140				4.6	
	-225V		195			-Q26- 95				SP26-26-60	
	-ZMAC70R -165V	69.8~85.2	165	67	64	-Q34- 95	—	34-ZMAC70R-70V	CC08-C	5.4	1
	-180V		180			-Q34-110				5.8	
	-225V		225			-Q34- 95				SP34-34-60	
-ZMAC85R -195V	84.8~100.2	195	83	62	-Q42- 95	—	42-ZMAC85R-100V		9.0	1	

- ★MIN. dial readout : ZMAC25-VR & smaller is 0.02mm on diameter. ZMAC32-VR and larger are 0.01mm on diameter.
- ★“C” grade (Coated) insert for Steel, Stainless & Cast Iron is supplied as Standard with the head (Smooth boring & Long tool-life) .  P.86 Please refer  P.117 for cutting condition. We would recommend “B” grade (CBN) insert for Hardened Steel & High Speed boring of Cast Iron.
- ★Please refer  P.101, P.102 for Shank & Spacer, and  P.87, P.88 for Head.
- ★Centre Through Tool Coolant function is available as standard.
- ★For BT30, modular connection system is applied. Please refer  P.101 for Base Holder.
- ★When L length is required longer than standard, please specify boring depth M.



Boring Arbor with Extension Spacer

ZMAC-V for Multi-Stage Boring Bar

High Pressure Coolant Through Tool
Please contact us for the special boring bar.



