

ZMAC ADVANCED BORING ARBOR (ZMAC-V)



Boring for Finishing



ZMAC-V

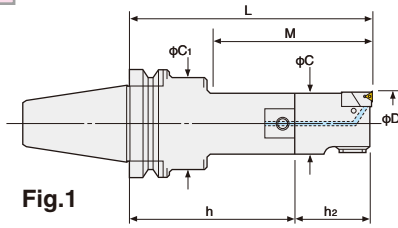


Fig.1

Only for ZMAC16-V

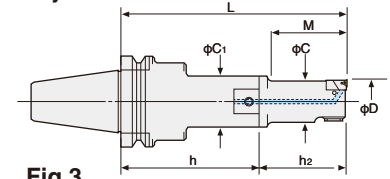


Fig.3

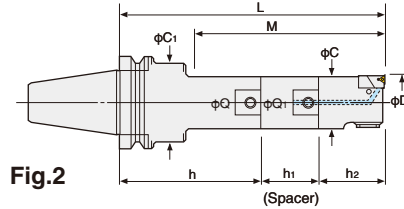


Fig.2

ZMAC100-V, 140-V

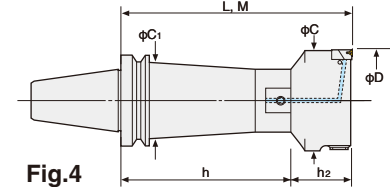


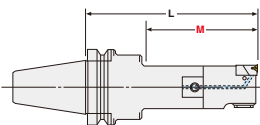
Fig.4

Code No. of the insert tip are shown.

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TAPER	Code No.	Boring Range D	Boring Depth M	C	C1	Shank Code No.	Extension Spacer Code No.	P.119		Weight (kg)	Fig.	
								Head No.	Insert No.			
						BT No.-Q-h	Q-Q1-h1	Q- Min.D -h2				
No.40	BT40-ZMAC16 -125V	15.9~20.2	38	15	24	BT40-Q12- 80	—	—	12-ZMAC16-45V	3MP-C,B	1.9	3
	(IT40) -135V		48						12-ZMAC16-55V			
	-ZMAC20 -120V	19.8~25.2	45	19	30	-Q 9- 80	—	—	9-ZMAC20-40V	3MP-C,B	1.9	1
	-135V		67									
	-150V		75									
	-ZMAC25 -120V	24.8~32.2	52	24	35	-Q12- 80	—	—	12-ZMAC25-40V	4MP-C,B	2.0	1
	-150V		90									
	-165V		97									
	-ZMAC32 -150V	31.8~42.2	77	31	42	-Q16- 95	—	—	16-ZMAC32-55V	4MP-C,B	2.5	1
	-180V		110									
	-195V		122									
	-ZMAC42 -150V	41.8~55.2	97	40	50	-Q20- 80	—	—	20-ZMAC42-70V	6MP-C,B	3.0	1
	-180V		130									
	-210V		157									
	-ZMAC55 -165V	54.8~70.2	135	53	50	-Q26- 95	—	—	26-ZMAC55-70V	6MP-C,B	3.9	1
	-210V		180									
	-225V		195									
	-ZMAC70 -165V	69.8~85.2	165	67	64	-Q34- 95	—	—	34-ZMAC70-70V	6MP-C,B	5.4	1
	-180V		180									
	-225V		225									
-ZMAC85 -195V	84.8~100.2	195	83	62	-Q42- 95	—	—	42-ZMAC85-100V	6MP-C,B	9.0	1	

- ★MIN. dial readout : ZMAC25-V & smaller is 0.02mm on diameter. ZMAC32-V 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). 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

Please contact us for the special boring bar.



High Pressure Coolant Through Tool



ZMAC ADVANCED BORING ARBOR (ZMAC-V)



■ With ZMAC α -V Boring Head
Please add "AA" at the end of Code No.
e.g. BT40-ZMAC42-150AAV



ZMAC α -V

Diameter can be adjusted easily and quickly by new handle with wrench.



Unlock

Adjust diameter

Lock

Code No. of the insert tip are shown.

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TAPER	Code No.	Boring Range D	Boring Depth M	C	C ₁	Shank Code No.	Extension Spacer Code No.	P.119		Weight (kg)	Fig.
								Head No.	Insert No.		
								Q- Min.D -h ₂			
No.50	BT50-ZMAC16 -140V (IT50) -150V	15.9~20.2	38	15	24	BT50-Q12- 95	—	12-ZMAC16-45V	3MP-C,B	4.7	3
	12-ZMAC16-55V		4.7								
	-ZMAC20 -150V	19.8~25.2	45	19	40	-Q 9-110	SP9-9-30	9-ZMAC20-40V	4.8	1	
	-165V		67			4.8					
	-180V		75			4.9					
	-ZMAC25 -135V	24.8~32.2	52	24	44	-Q12- 95	—	12-ZMAC25-40V	4.8	1	
	-165V		90			4.8					
	-180V		97			4.9					
	-ZMAC32 -180V	31.8~42.2	77	31	50	-Q16-125N	—	16-ZMAC32-55V	5.5	1	
	-210V		110			5.6					
	-225V		122			5.7					
	-ZMAC42 -180V	41.8~55.2	97	40	60	-Q20-110	—	20-ZMAC42-70V	6.0	1	
	-195V		130			6.0					
	-225V		142			6.4					
	-240V		157			6.5					
	-ZMAC55 -210V		54.8~70.2			117			53		65
	-240V	182		7.6							
	-270V	177		8.1							
	-ZMAC70 -240V	69.8~85.2	190	67	80	-Q34-170	—	34-ZMAC70-70V	10.0	1	
	-270V		220			10.6					
	-300V		250			11.5					
	-ZMAC85 -225V	84.8~100.2	182	83	83	-Q42-125	—	42-ZMAC85-100V	12.5	1	
	-290V		247			15.0					
	-315V		272			16.0					
	-ZMAC100-225V	99.5~140.5	225	95	98	-Q42-125	—	42-ZMAC100-100V	12.4	4	
	-290V		290			15.1					
	-325V		325			17.8					
	-375V		375			20.5					
	-425V		425			23.2					
	-ZMAC140-225V		139.5~180.5			225			135		98
-290V	290	16.5									
-325V	325	19.2									
-375V	375	21.9									
-425V	425	24.6									

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★Please refer P.101,P102 for Shank & Spacer, and P.87, P.88 for Head.