

3LOCK ZMAC ADVANCED BORING ARBOR (ZMAC-V)

NIKKEN

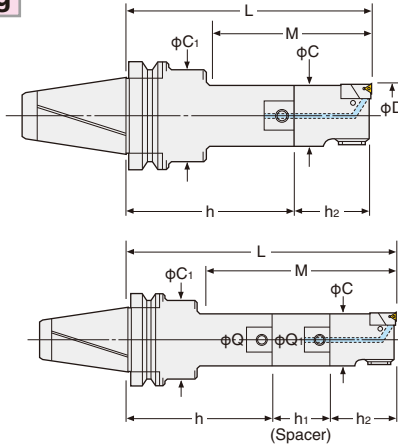
JAPAN PAT.

Boring for Finishing

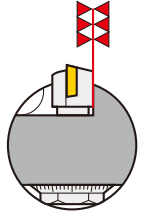


ZMAC-V

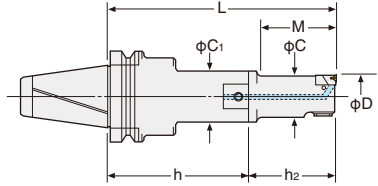
Photo shows ZMAC α -V.



No Micro Vibration due to Double-Contact Support of Cartridge. Long Tool-Life & High Accuracy.



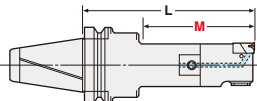
Only for ZMAC16-V



All codes shown are for heads with triangular inserts For heads with rhomboid inserts please add the letter "R" to the code No. e.g. MBT40-ZMAC32 R -150V

| TAPER | Code No. | Boring Range D | Boring Depth M | Cupling Dia M | C | C1 | P.119 | | Weight (kg) |
|----------------------|---------------------------------|----------------|-------------------|---------------|----|-----------------|--------------------|------------|--------------------|
| | | | | | | | Head No. | Insert No. | |
| No.40 | MBT40-ZMAC 16-125V, 135V | 15.9~20.2 | 38, 48 | 12 | 15 | 24 | 12-ZMAC16-45V, 55V | | 1.9, 1.9 |
| | -ZMAC 20-120V, 135V, 150V | 19.8~25.2 | 45, 67, 75 | 9 | 19 | 30 | 9-ZMAC20-40V | 3MP-C,B | 1.9, 1.9, 2.0 |
| | -ZMAC 25-120V, 150V, 165V | 24.8~32.2 | 52, 90, 97 | 12 | 24 | 35 | 12-ZMAC25-40V | | 2.0, 2.1, 2.1 |
| | -ZMAC 32-150V, 180V, 195V | 31.8~42.2 | 77, 110, 122 | 16 | 31 | 42 | 16-ZMAC32-55V | 4MP-C,B | 2.5, 2.7, 2.7 |
| | -ZMAC 42-150V, 180V, 210V | 41.8~55.2 | 97, 130, 157 | 20 | 40 | 50 | 20-ZMAC42-70V | 6MP-C,B | 3.0, 3.2, 3.5 |
| | -ZMAC 55-165V, 210V, 225V | 54.8~70.2 | 135, 180, 195 | 26 | 53 | 50 | 26-ZMAC55-70V | | 3.9, 4.6, 4.6 |
| | -ZMAC 70-165V, 180V, 225V | 69.8~85.2 | 165, 180, 225 | 34 | 67 | 64 | 34-ZMAC70-70V | | 5.4, 5.8, 6.8 |
| | -ZMAC 85-195V | 84.8~100.2 | 195 | 42 | 83 | 62 | 42-ZMAC85-100V | | 9.0 |
| No.50 | MBT50-ZMAC 16-140V, 150V | 15.9~20.2 | 38, 48 | 12 | 15 | 24 | 12-ZMAC16-45, 55V | | 4.7, 4.7 |
| | -ZMAC 20-150V, 165V, 180V | 19.8~25.2 | 45, 67, 75 | 9 | 19 | 40 | 9-ZMAC20-40V | 3MP-C,B | 4.8, 4.8, 4.9 |
| | -ZMAC 25-135V, 165V, 180V | 24.8~32.2 | 52, 90, 97 | 12 | 24 | 44 | 12-ZMAC25-40V | | 4.8, 4.8, 4.9 |
| | -ZMAC 32-180V, 210V, 225V | 31.8~42.2 | 77, 110, 122 | 16 | 31 | 50 | 16-ZMAC32-55V | 4MP-C,B | 5.5, 5.6, 5.7 |
| | -ZMAC 42-180V, 195V, 225V, 240V | 41.8~55.2 | 97, 130, 142, 157 | 20 | 40 | 60 | 20-ZMAC42-70V | 6MP-C,B | 6.0, 6.0, 6.4, 6.5 |
| | -ZMAC 55-210V, 240V, 270V | 54.8~70.2 | 117, 182, 177 | 26 | 53 | 65 | 26-ZMAC55-70V | | 7.5, 7.6, 8.1 |
| | -ZMAC 70-240V, 270V, 300V | 69.8~85.2 | 190, 220, 250 | 34 | 67 | 80 | 34-ZMAC70-70V | | 10.0, 10.6, 11.5 |
| | -ZMAC 85-225V, 290V, 315V | 84.8~100.2 | 182, 247, 272 | | | | 42-ZMAC85-100V | | 12.5, 15.0, 16.0 |
| | -ZMAC100-225V, 290V* | 99.5~140.5 | 225, 290 | 42 | 83 | 83 | 42-ZMAC100-100V | | 13.8, 16.5 |
| -ZMAC140-225V, 290V* | 139.5~180.5 | | | | | 42-ZMAC140-100V | 14.6, 17.3 | | |

- ★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). We would recommend "B" grade (CBN) insert for Hardened Steel & High Speed boring of Cast Iron. Please refer P.117 for cutting condition.
- ★Please refer P.179 for Shank, and P.102 for Spacer, and P.87 for Head.
- ★Centre Through Tool Coolant function is available as standard.
- ★* : MBT50-ZMAC100-325V, 375V, 425V, 475V are also available. MBT50-ZMAC140-325V, 375V, 425V, 475V
- ★When L length is required longer than standard, please specify boring depth M.



High Pressure Coolant Through Tool

High Speed Boring ZMAC α -V
Special Hardened Light Alloy Metal Head with Balancing for Anti-Vibration.
MAX12,000min⁻¹

ZMAC-V for Multi-Stage Boring Bar

Please contact us for the special boring bar.



Photo. shows NC5 shank.

Please add "AA" at the end of Code No. for the boring arbor with ZMAC α -V head. P.88 e.g. MBT40-ZMAC42-150AAV