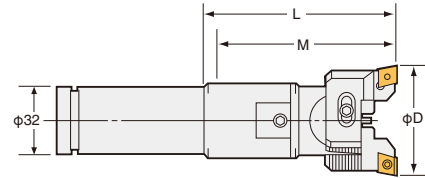
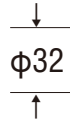


Straight Shank BALANCE CUT BORING BAR

NIKKEN



K-RAC

You can use following boring tools with C32 Milling Chuck. It is convenient for Various/Small Volume Productions. Use with Straight Shank ZMAC-V Boring Bar.

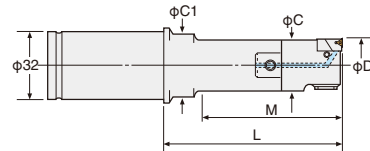
P.74

Code No.	Boring Range D	Boring Depth M	Shank Code No.	Head No.	Insert No.	Weight (kg)
K32-RAC25- 75E -115E	25~ 32	70	K32-Q12-20	12-RAC 25- 55E	CC07-C	0.8
		93	-Q12-60			0.9
-RAC32- 75E -110E	32~ 45	70	-Q16-20	16-RAC 32- 55E	CC08-C	1.1
			-Q16-55			1.3
-RAC43-110E	43~ 55	105	-Q20-40	20-RAC 43- 70E	CC12-C	1.7
-RAC53-110E	53~ 70		-Q26-40	26-RAC 53- 70E		1.8
-RAC70-110E *	70~ 100			26-RAC 70- 70E		1.9

★Balance cut boring bar on above table is the boring bar with the cartridges (E) for steel, stainless and cast iron. "C" grade (Coated) insert tip is supplied as standard. **P.72**
 ★Boring bar with the cartridges for heavy duty boring of iron and cast iron **P.74**, for aluminium (A) **P.76** and for through hole and multi sheets (K) . **P.78**
 Please refer **P.116** for cutting condition.
 ★Shank (P.103) and head (P.79) are delivered in separate packages.
 ★For centre through tool coolant type except **K32-RAC70-110E** marked *, please add "-C" at the end of Code No. e.g. **K32-RAC53-110E-C**

Straight Shank ZMAC ADVANCED BORING BAR

NIKKEN



K-ZMAC-V

You can use following boring tools with C32 Milling Chuck. It is convenient for Various/Small Volume Productions. **JAPAN PAT.**

Code No.	Boring Range D	Boring Depth M	C	C ₁	Shank Code No.	P.119		P.120		Weight (kg)
						Head No.	Insert No.	Head No.	Insert No.	
K32-ZMAC16- 65V - 75V	15.9~20.2	38	15	-	K32-Q12-20	12-ZMAC16-45V				0.5
		48				12-ZMAC16-55V				0.5
-ZMAC20- 60V - 80V	19.8~25.2	55	19	-	-Q 9-20	9-ZMAC20-40V	3MP-C,B			0.6
		63								-Q 9-40
-ZMAC25- 60V -100V	24.8~32.2	55	24	-	-Q12-20	12-ZMAC25-40V				0.6
		83								-Q12-60
-ZMAC32- 75V -110V	31.8~42.2	70	31	-	-Q16-20	16-ZMAC32-55V	4MP-C,B	16-ZMAC32R-55V	CC06-C	0.9
					-Q16-55					1.1
-ZMAC42-110V	41.8~55.2	105	40	-	-Q20-40	20-ZMAC42-70V	6MP-C,B	20-ZMAC42R-70V		1.5
-ZMAC55-110V	54.8~70.2				-Q26-40			26-ZMAC55R-70V		1.6

★All Codes shown are for Heads with Triangular Inserts.

For Heads with Rhomboid Inserts, please add "R" to the Code No. e.g.) **K32-ZMAC32 R -75V**

★MIN. dial read out: **ZMAC25-V** and smaller is 0.02mm on dia. **ZMAC32-V** and larger is 0.01mm on dia.

★"C" grade (coated) Insert for Steel, Stainless and Cast Iron is supplied as standard with the Head. (Smooth Boring and Long tool-life) Please refer **P.117** for cutting condition. We would recommend "B" grade (CBN) Insert for Hardened Steel and High Speed Boring of Cast Iron.

★Centre Through Tool Coolant function is available as standard.