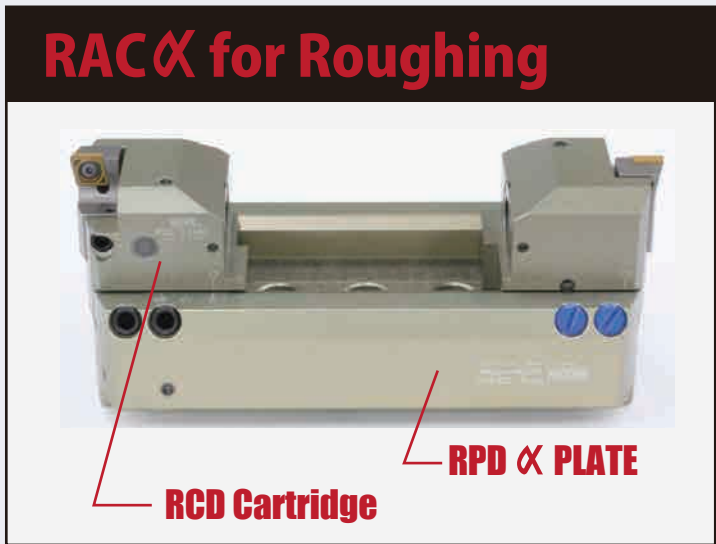


Optimized for High Speed & Deep Hole Boring
ULTRA-LIGHT WEIGHT
BALANCE CUT BORING ARBOR
for LARGE DIA.

NEW



Special Hardened Light Alloy Material
⌘ Plate and Cartridge



BALANCE-CUT RAC α BORING ARBOR for LARGE DIA.



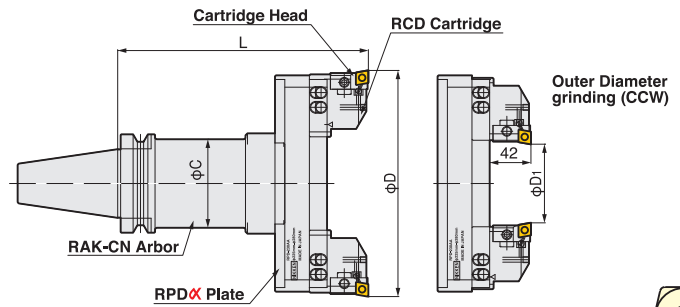
For Roughing

- With the screws for slight adjustment
- Boring Dia. : $\phi 130 \sim \phi 580 \text{mm}$



RAC α

High Pressure Coolant Through Tool

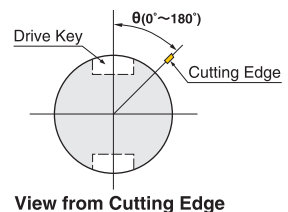


Boring Dia. : $\phi 130 \sim 580 \text{mm}$ / Over Turning Dia. : $10 \sim 430 \text{mm}$



TAPE	Code.No	D		L	D1		C	RAK Arbor Code No.	RPD Plate No.	RCD Cartridge No.	Weight (Kg)
		MIN.~MAX.			MIN.~MAX.						
No.40	BT40-RAC130-225AA	130~		225	10~30		61	BT40-RAK-130A	RPD-130AA		7.2
	(IT40)-RAC180-225AA	180~			30~80				-180AA		7.7
No.50	BT50-RAC130-205AA	130~		205	10~30	90		BT50-RAK-110A	RPD-130AA	For Heavy Duty Boring of Iron and Cast Iron RCD-130 x2 Insert Tip CN08	9.5
	(IT50)-255AA		255	12.2							
	-305AA		305	14.9							
	-355AA		355	17.6							
	-405AA		405	20.3							
	-455AA		455	23.0							
	-505AA		505	25.7							
	-RAC180-205AA		205	10.0							
	-255AA	255	12.7								
	-305AA	305	15.4								
	-355AA	180~	355	30~80	RPD-180AA	-260A	18.1				
	-405AA	405	20.8								
	-455AA	455	23.5								
	-505AA	505	26.2								
	-RAC230-205AA	205	10.6								
	-255AA	255	13.3								
	-305AA	305	16.0								
	-355AA	230~	355	80~130		RPD-230AA	-260A	18.7			
	-405AA	405	21.4								
	-455AA	455	24.1								
	-505AA	505	26.8								
	-RAC280-205AA	205	11.1								
	-255AA	255	13.8								
	-305AA	305	16.5								
	-355AA	280~	355	130~180	RPD-280AA		-260A	19.2			
	-405AA	405	21.9								
	-455AA	455	24.6								
	-505AA	505	27.3								
	-RAC330-220AA*	330~	220 (230*)	180~230		98	BT50-RAK330-125 IT50-RAK330-135	RPD-330AA	16.4		
	-RAC380-220AA*	380~		230~280				-380AA	16.9		
	-RAC430-220AA*	430~		280~330				-430AA	17.4		
	-RAC480-220AA*	480~		330~380				-480AA	17.9		
-RAC530-220AA*	530~	380~430		-530AA	18.4						

- ★The Code No. on above table are the boring arbors with RCD-130 cartridge (Insert tip: CN08) the Heavy Duty Boring of Iron and Cast Iron.
- ★Boring arbor with cartridges & insert for Steel, Stainless Steel and Cast Iron (E), for Aluminum (A) and for Through Hole & Multi Sheets (K) are available.
- ★Arbor, plate and cartridges are delivered in separate packages.
- ★Please check the interference of the arbor with your M/C not to occur the interference in the tool magazine.
- ★The location of the cutting edge is same as the drive key for standard. The different location is available, please specify θ . e.g. BT50-RAC180-255AA (90°)
- ★The boring arbors marked * with IT50. L (gauge length) is 220. e.g. IT50-RAC330-230AA
- ★Special sleeves (2 pieces) are required to change the arbor to support center coolant. Code No. RAK-CLS (sold separately)
- ★When using it for outer diameter cutting, the spindle will rotate in reverse.



★Please refer "NC TOTAL TOOLING CATALOGUE" for more details.

BALANCE-CUT BAC α ADVANCED BORING ARBOR for LARGE DIA.

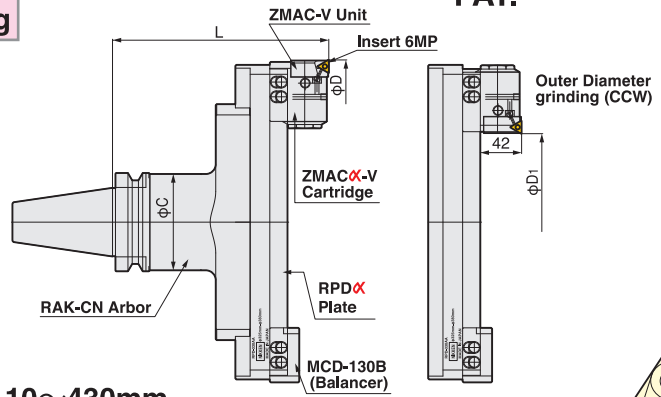
NIKKEN

BAC α -V

High Pressure Coolant Through Tool



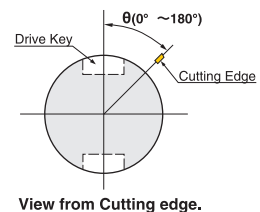
For Finishing



Boring Dia: $\phi 130 \sim 595\text{mm}$ / Over Turning Dia. : $10 \sim 430\text{mm}$

TAPE	Code.No	D		L	D1		C	RAK Arbor Code No.	RPD Plate No.	Cartridge (Balancer)	Weight (Kg)
		MIN.~MAX.			MIN.~MAX.						
No.40	BT40-BAC130-225AAV	130~180		225	10~30		61	BT40-RAK-130A	RPD-130AA		7.5
	(IT40)-BAC180-225AAV	180~230			30~80				-180AA		8.0
No.50	BT50-BAC130-205AAV	130~180		205	10~30		90	BT50-RAK-110A	RPD-130AA		9.8
	(IT50)-255AAV		255	12.5							
	-305AAV		305	15.2							
	-355AAV		355	17.9							
	-405AAV		405	20.6							
	-455AAV		455	23.3							
	-505AAV		505	26.0							
	-BAC180-205AAV		205	10.3							
	-255AAV	255	13.0								
	-305AAV	305	15.7								
	-355AAV	180~230	355	30~80		RPD-180AA	-260A	18.4			
	-405AAV	405	21.1								
	-455AAV	455	23.8								
	-505AAV	505	26.5								
	-BAC230-205AAV	205	10.9								
	-255AAV	255	13.6								
	-305AAV	305	16.3								
	-355AAV	230~280	355	80~130				RPD-230AA	-260A	19.0	
	-405AAV	405	21.7								
	-455AAV	455	24.4								
	-505AAV	505	27.2								
	-BAC280-205AAV	205	11.4								
	-255AAV	255	14.1								
	-305AAV	305	16.8								
	-355AAV	280~330	355	130~180		RPD-280AA			-260A	19.5	
	-405AAV	405	22.2								
	-455AAV	455	24.9								
	-505AAV	505	27.6								
-BAC330-220AAV*	330~380	220 (230*)	180~230					98	BT50-RAK330-125	RPD-330AA	16.7
-BAC380-220AAV*	380~430		230~280						I T50-RAK330-135	-380AA	17.2
-BAC430-220AAV*	430~480		280~330						-430AA	17.7	
-BAC480-220AAV*	480~530		330~380						-480AA	18.2	
-BAC530-220AAV*	530~580		380~430		-530AA	18.7					

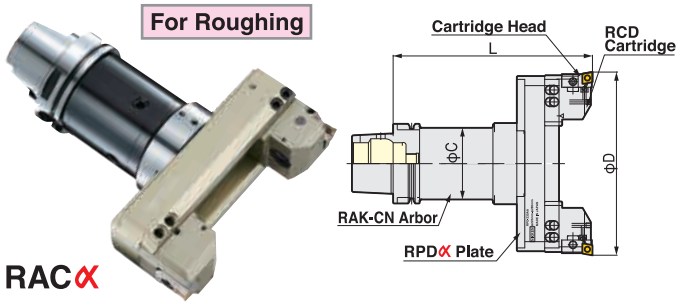
- ★ "C" grade (Coated) Inserts are supplied as standard.
- ★ Unit "M10HZ-75V" is provided as semi-standard.
- ★ Arbor, Plate and Cartridge are delivered in separate packages.
- ★ When ordering, please let us know machine maker and model no. to avoid the interference with tool magazine of ATC.
- ★ The location of cutting edge is same as drive key in standard.
- ★ The different location is available, please specify θ in Code No. e.g. BT50-BAC180-255AAV (90°)
- ★ The boring arbors marked * with IT50, L (gauge length) is 220. e.g. IT50-BAC330-230AAV
- ★ Special sleeves (2 pieces) are required to change the arbor to support center coolant. Code No. RAK-CLS (sold separately)
- ★ When using it for outer diameter cutting, the spindle will rotate in reverse.



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BALANCE-CUT BORING ARBOR for LARGE DIA. ULTRA-LIGHT WEIGHT **NIKKEN**

RAC α BORING ARBOR



RAC α

High Pressure Coolant Through Tool

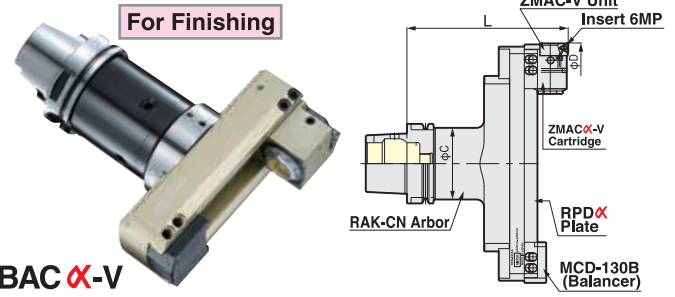


TAPE	Code.No	D		L	Over Turning MIN.~MAX.
		MIN.~MAX.			
HSK63A	HSK 63A-RAC130-225AA	130~180		225	10~30
	-RAC180-225AA	180~230			30~80
HSK100A	HSK100A-RAC130-205AA			205	10~30
	-255AA			255	
	-305AA			305	
	-355AA	130~180		355	
	-405AA			405	
	-455AA			455	
	-505AA			505	
	-RAC180-205AA			205	
	-255AA			255	
	-305AA			305	
	-355AA	180~230		355	30~80
	-405AA			405	
	-455AA			455	
	-505AA			505	
	-RAC230-205AA			205	
	-255AA			255	
	-305AA			305	
	-355AA	230~280		355	
	-405AA			405	
	-455AA			455	
	-505AA			505	
	-RAC280-205AA			205	
	-255AA			255	
	-305AA			305	
-355AA	280~330		355	130~180	
-405AA			405		
-455AA			455		
-505AA			505		
-RAC330-220AA	330~380				180~230
-RAC380-220AA	380~430				230~280
-RAC430-220AA	430~480		220		280~330
-RAC480-220AA	480~530				330~380
-RAC530-220AA	530~580			380~430	

- ★The Code No. on above table are the boring arbors with **RCD-130** cartridge (Insert tip: **CN08**) the Heavy Duty Boring of Iron and Cast Iron.
- ★Boring arbor with cartridges & insert for Steel, Stainless Steel and Cast Iron (E), for Aluminum (A) and for Through Hole & Multi Sheets (K) are available.
- ★Arbor, plate and cartridges are delivered in separate packages.
- ★Please check the interference of the arbor with your M/C not to occur the interference in the tool magazine.
- ★The location of the cutting edge is same as the drive key in standard.
The different location is available, please specify θ . e.g. **HSK100A-RAC180-255AA (90°)**

★Please refer "NC TOTAL TOOLING CATALOGUE" for more details.

BAC α ADVANCED BORING ARBOR



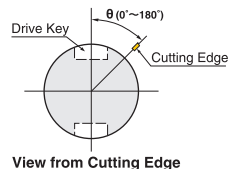
BAC α -V

High Pressure Coolant Through Tool



TAPE	Code.No	D		L	Over Turning MIN.~MAX.
		MIN.~MAX.			
HSK63A	HSK 63A-BAC130-225AAV	130~180		225	10~30
	-BAC180-225AAV	180~230			30~80
HSK100A	HSK100A-BAC130-205AAV			205	10~30
	-255AAV			255	
	-305AAV			305	
	-355AAV	130~180		355	
	-405AAV			405	
	-455AAV			455	
	-505AAV			505	
	-BAC180-205AAV			205	
	-255AAV			255	
	-305AAV			305	
	-355AAV	180~230		355	30~80
	-405AAV			405	
	-455AAV			455	
	-505AAV			505	
	-BAC230-205AAV			205	
	-255AAV			255	
	-305AAV			305	
	-355AAV	230~280		355	
	-405AAV			405	
	-455AAV			455	
	-505AAV			505	
	-BAC280-205AAV			205	
	-255AAV			255	
	-305AAV			305	
-355AAV	280~330		355	130~180	
-405AAV			405		
-455AAV			455		
-505AAV			505		
-BAC330-220AAV	330~380				180~230
-BAC380-220AAV	380~430				230~280
-BAC430-220AAV	430~480		220		280~330
-BAC480-220AAV	480~530				330~380
-BAC530-220AAV	530~580			380~430	

- ★"C" grade (Coated) Inserts are supplied as standard.
- ★Unit "M10HZ-75V" is provided as semi-standard.
- ★Arbor, Plate and Cartridge are delivered in separate packages.
- ★When ordering, please let us know machine maker and model no. to avoid the interference with tool magazine of **ATC**.
- ★The location of cutting edge is same as drive key in standard.
The different location is available, please specify θ in Code No. e.g. **HSK100A-BAC180-255AAV (90°)**



★Please refer "NC TOTAL TOOLING CATALOGUE" for more details.