

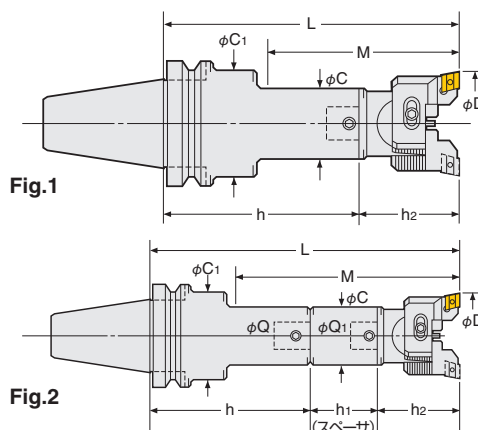
BALANCE-CUT BORING ARBOR (RAC-A)

NIKKEN

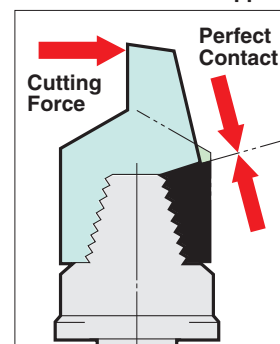
Rough Boring—For Aluminium



RAC-A



Power of Shoulder Support



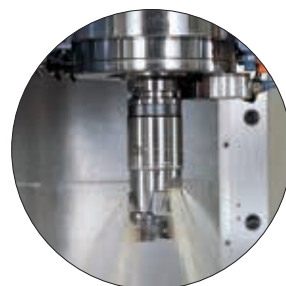
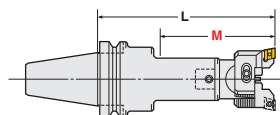
TAPER	Code No.	Boring Range D	Boring Depth M	Cupling Dia Q	C	C ₁	Shank Code No.	Spacer Code No.			Weight (kg)	Fig
									Head Code No.	Tip No.		
No.40	BT40-RAC 25-135A	25~32	67	12	24	35	BT40-Q12- 80	—	12-RAC 25- 55A	AEG12	2.0	1
	(IT40) -165A		105				-Q12-110				2.1	
	-180A		112				-Q12- 80	SP12-12-45			2.1	
	-RAC 32-150A	32~45	77	16	31	42	-Q16- 95	—	16-RAC 32- 55A		2.4	1
	-180A		110				-Q16-125				2.6	
	-195A		122				-Q16- 95	SP16-16-45			2.6	
	-RAC 43-150A	43~55	97	20	40	50	-Q20- 80	—	20-RAC 43- 70A	AEG16	2.7	1
	-180A		130				-Q20-110				2.9	
	-210A		157				-Q20- 80	SP20-20-60			3.2	
	-RAC 53-165A	53~70	135	26	50	50	-Q26- 95	—	26-RAC 53- 70A		2.5	1
	-210A		180				-Q26-140				3.3	
	-225A		195				-Q26- 95	SP26-26-60			3.2	
	-RAC 70-180A	70~100	180	34	64	64	-Q34- 95	—	34-RAC 70- 85A		4.8	1
	-195A		195				-Q34-110				5.2	
	-240A		240				-Q34- 95	SP34-34-60			6.2	
	-RAC100-195A	100~130	195	42	83	62	-Q42- 95	—	42-RAC100-100A		6.8	1

★“F” grade inserts are supplied as standard with the head. P.82 Please refer P.124 for cutting condition.

★Please refer P.107 for base holder, P.108 for spacer and P.85 for head.

★For centre through coolant type, please add “-C” at the end of Code No. e.g. BT40-RAC53-165A-C

★When L length is required longer than standard, please specify the boring depth M.



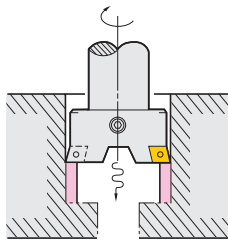
High Pressure Coolant Through Tool

BALANCE-CUT BORING ARBOR (RAC-A)

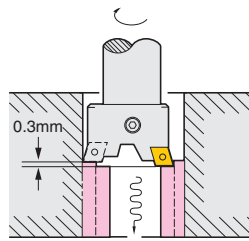
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Balance cut boring bar executes boring in 2 cartridge inserts absorbing the vibration each other. The faster the feed rate, the better swarf ejection. This is Ideal for rough and medium boring.

Double Cutting Capability



Example of 2 Stepped Balance Cut



Approx. double removal of below cutting condition is possible by **-0.3 Cartridge**.
P.86

TAPER	Code No.	Boring Range D	Boring Depth M	Cupling Dia Q	C	C ₁	Shank Code No.	Spacer Code No.	P.82		Weight (kg)	Fig	
									Head Code No.	Tip No.			
No.50	BT50-RAC 25-150A	25～ 32	67	12	24	44	BT50-Q12- 95	—	12-RAC 25- 55A	AEG12	4.7	1	
	(IT50) -180A		105				-Q12-125				4.9		
	-195A		112				-Q12- 95				SP12-12-45	4.8	2
	-RAC 32-180A	32～ 45	77	16	31	50	-Q16-125N	—	16-RAC 32- 55A		5.4	1	
	-210A		110				-Q16-155				5.6		
	-225A		122				-Q16-125N				SP16-16-45	5.6	2
	-RAC 43-180A	43～ 55	97	20	40	60	-Q20-110	—	20-RAC 43- 70A	AEG16	5.7	1	
	-195A		130				-Q20-125				5.8		
	-225A		142				-Q20-110				SP20-20-45	6.1	2
	-240A		157				SP20-20-60				6.2		
	-RAC 53-210A	53～ 70	117	26	50	65	-Q26-140	—	26-RAC 53- 70A		6.9	1	
	-240A		182				-Q26-170N				7.0		
	-270A		177				-Q26-140				SP26-26-60	7.6	2
	-RAC 70-255A	70～100	205	34	64	80	-Q34-170	—	34-RAC 70- 85A		9.5	1	
	-285A		235				-Q34-200				9.9		
	-315A		265				-Q34-170				SP34-34-60	10.9	2
	-RAC100-225A	100～130	225	42	83	83	-Q42-125	—	42-RAC100-100A		12.5	1	
	-290A		290				-Q42-190				15.2		
	-325A		325				-Q42-225A				16.5	2	

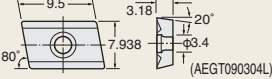
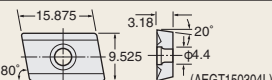
★“F” grade inserts are supplied as standard with the head. P.82 Please refer P.124 for cutting condition.

★Please refer P.107 for base holder, P.108 for spacer and P.85 for head.

★For centre through coolant type, please add “-C” at the end of Code No. e.g. BT50-RAC53-210A-C

★BT50-RAC100-375A, 425A and 475A are also available.

Insert tip for RAC-A

Material	Steel			●	
	Stainless Steel				
	Cast Iron				
	Aluminium				
			Coated Carbide K		
			Grade	F	
			Material	KW10	
Applicable Arbor	Dimension		Code No.	Nose R	
RAC25A, RAC32A			AEG12-○1	0.1	●
			AEG12-○2	0.2	●
			AEG12-○4	0.4	●
RAC43A-RAC530A			AEG16-○1	0.1	●
			AEG16-○2	0.2	●
			AEG16-○4	0.4	●

★Minimum order quantity : 10pcs.

Please add the grade indication into ○, and add the insert tip material indication at the end off the Code No.
e.g. AEG16-F2 (KW10)

BT