

BALANCE-CUT BORING ARBOR (RAC-K)

NIKKEN

Rough Boring—For Through Hole and Multi Sheets



RAC-K

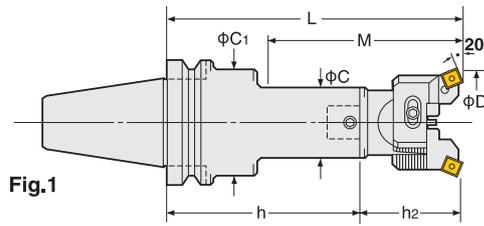


Fig.1

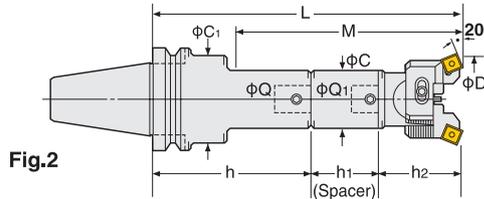
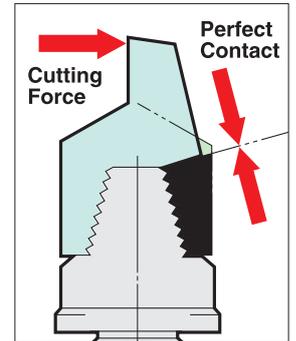


Fig.2

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.	P.18		Weight (kg)	Fig
									Head Code No.	Tip No.		
No.40	BT40-RAC 25-135K	25~32	67	12	24	35	BT40-Q12- 80	—	12-RAC 25- 55K	SC09	2.0	1
	(IT40) -165K		105				-Q12-110				2.1	
	-180K		112				-Q12- 80				SP12-12-45	
	-RAC 32-150K	32~45	77	16	31	42	-Q16- 95	—	16-RAC 32- 55K	SC12	2.4	1
	-180K		110				-Q16-125				2.6	
	-195K		122				-Q16- 95				SP16-16-45	
	-RAC 43-150K	43~55	97	20	40	50	-Q20- 80	—	20-RAC 43- 70K	SC12	2.7	1
	-180K		130				-Q20-110				2.9	
	-210K		157				-Q20- 80				SP20-20-60	
	-RAC 53-165K	53~70	135	26	50	64	-Q26- 95	—	26-RAC 53- 70K	SC12	2.5	1
	-210K		180				-Q26-140				3.3	
	-225K		195				-Q26- 95				SP26-26-60	
	-RAC 70-180K	70~100	180	34	64	64	-Q34- 95	—	34-RAC 70- 85K	SC12	4.8	1
	-195K		195				-Q34-110				5.2	
	-240K		240				-Q34- 95				SP34-34-60	
	-RAC100-195K	100~130	195	42	83	62	-Q42- 95	—	42-RAC100-100K	SC12	6.8	1

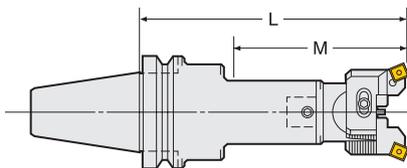
★“C” grade (Coated) inserts are supplied as standard with the head. P.18 Please refer P.85 for cutting condition.

★Please refer P.37 for base holder, P.38 for spacer and P.19 for head.

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

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

★BT30 is a modular type. Please refer to P.37 for the base holder.



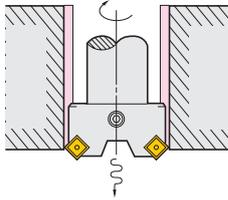
High Pressure Coolant Through Tool

BALANCE-CUT BORING ARBOR (RAC-K)



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



TAPER	Code No.	Boring Range D	Boring Depth M	Coupling Dia Q	C	C ₁	Shank Code No.	Spacer Code No.	P.18		Weight (kg)	Fig
									Head Code No.	Tip No.		
No.50	BT50-RAC 25-150K	25~ 32	67	12	24	44	BT50-Q12- 95	—	12-RAC 25- 55K	SC09	4.7	1
	(IT50) -180K		105				-Q12-125	—			4.9	
	-195K		112				-Q12- 95	SP12-12-45			4.8	2
	-RAC 32-180K	32~ 45	77	16	31	50	-Q16-125N	—	16-RAC 32- 55K	SC09	5.4	1
	-210K		110				-Q16-155	—			5.6	
	-225K		122				-Q16-125N	SP16-16-45			5.6	2
	-RAC 43-180K	43~ 55	97	20	40	60	-Q20-110	—	20-RAC 43- 70K	SC12	5.7	1
	-195K		130				-Q20-125	—			5.8	
	-225K		142				-Q20-110	SP20-20-45			6.1	2
	-240K		157				-Q20-110	SP20-20-60			6.2	
	-RAC 53-210K	53~ 70	117	26	50	65	-Q26-140	—	26-RAC 53- 70K	SC12	6.9	1
	-240K		182				-Q26-170N	—			7.0	
	-270K		177				-Q26-140	SP26-26-60			7.6	2
	-RAC 70-255K	70~100	205	34	64	80	-Q34-170	—	34-RAC 70- 85K	SC12	9.5	1
	-285K		235				-Q34-200	—			9.9	
	-315K		265				-Q34-170	SP34-34-60			10.9	2
	-RAC100-225K	100~130	225	42	83	83	-Q42-125	—	42-RAC100-100K	SC12	12.5	1
	-290K		290				-Q42-190	—			15.2	
	-325K		325				-Q42-225A	—			16.5	2

★“C” grade (Coated) inserts are supplied as standard with the head. P.18 Please refer P.85 for cutting condition.

★Please refer P.37 for base holder, P.38 for spacer and P.19 for head.

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

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

Insert tip for RAC-K

● : best ○ : good

Material	Steel		Stainless Steel		Cast Iron		Aluminium	
	Coated Carbide M	Coated Carbide K						
Applicable Arbor	Dimension	Code No.	Grade	C		Material		
				AC630M	AC410K	AC630M	AC410K	
RAC25K, RAC32K		SC09-○4	0.4	●	●	●	●	
RAC43K-RAC100K		SC12-○8	0.8	●	●	●	●	

Please add the grade indication into ○, and add the insert tip material indication at the end off the Code No. e.g. SC12-C8 (AC630M)

★Minimum order quantity : 10pcs.