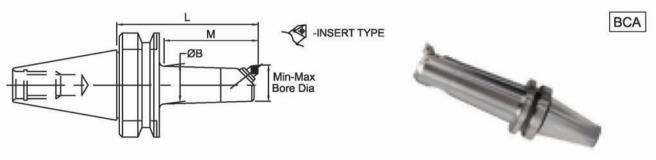


MICRO BORING BAR BT SHANK



PART NO.		KING NGE	L	ØB	м		MICROBORE U	NIT
	Min	Max	1.2	275.70	977	BRAZED	INDEXABLE	ISO INSERTS
BT30-BCA 13.5-110	13.5	16	110	13.0	07	MADOFAO		
BT30-BCA 14.5-110	14.5	17	110	14.0	67	M1B2F40	-	
BT30-BCA 16-115	16	22.5	115	15.0	73	M1A2F40	-	-
BT30-BCA 19-125	19	23	125	18.0	86	M2B2F40	M2B2CO4	CPGT04/CCGT04
BT30-BCA 23-135	23	29	135	22.0	105	M3B2F40	M3B2T	TOLIT COTICA
BT30-BCA 29-145	29	41	145	28.0	115	M3A2F40	M3A2T	TCMT 06T104
BT35-BCA 13.5-110	13.5	16	110	13				
BT35-BCA 14.5-110	14.5	17	110	14	67	M1B2F40		-
BT35-BCA 16-115	16	22.5	115	15	73	M1A2F40		: <u>=</u>
BT35-BCA 19-125	19	23	125	18	86	M2B2F40	M2B2CO4	CPGT04/CCGT04
BT35-BCA 23-135	23	29	135	22	105	M3B2F40	M3B2T	TOME DOTAGE
BT35-BCA 29-145	29	41	145	28	115	M3A2F40	M3A2T	TCMT 06T104
BT40-BCA 13.5-105	40	40	105	40				
BT40-BCA 13.5-165	13	16	165	13	67	M1B2F40	-	_
BT40-BCA 14.5-105		8=	105		14	1000 1000 Mill 1000 Mill		
BT40-BCA 14.5-165	14.5	17	165	14				
BT40-BCA 16-105	40	00.5	105	376	70	M1A2F40		_
BT40-BCA 16-180	16	22.5	180	15	73	WINE 10		
BT40-BCA 19-120	40	00	120	40	00	M2B2F40	M2B2CO4	CPGT04/CCGT04
BT40-BCA 19-180	19	23	180	18	86	WIZDZI 40	WIZBZOOT	010104/00010
BT40-BCA 23-135	-00		135	-00	405	14050540	MODOT	
BT40-BCA 23-195	23	29	195	22	105	M3B2F40	M3B2T	TCMT 06T104
BT40-BCA 29-150	-00	44	150	200	445	14040540	MOAOT	10001001104
BT40-BCA 29-195	29	41	195	28	115	M3A2F40	M3A2T	
BT40-BCA 38-150	00	40	150	35	115	MEDOE40	MEDOT	
BT40-BCA 38-210	38	49	210	37	172	M5B2F40	M5B2T	TOME 440004
BT40-BCA 46-150	40		150	41	115	MEASE40	MEACT	TCMT 110204
BT40-BCA 46-225	46	66	225	44	182	M5A2F40	M5A2T	
BT40-BCA 62-165			165		135			
BT40-BCA 62-225	62	87	225	57	184			
BT40-BCA 83-120			120	-	1-	M7A2F80	M7A2T	TCMT 110204
BT40-BCA 83-165	83	108	165	-	sie:			
BT40-BCA 83-225			225	-	-			
BT40-BCA 98-165	98	142	165	-	-	M10A2F80	M10A2T	TCMT 16T304

Note: We can suit ISO insert any make like



MICRO BORING BAR BT SHANK

BCA



PART NO.	BORING	RANGE	L.	ØB	м		MICROBORE I	TINIT
PART NO.	Min	Max	.5.	200	, MI	BRAZED	INDEXABLE	ISO INSERTS
BT45-BCA 13.5-105	13.5	16	105	13	50			
BT45-BCA 13.5-195	10.0	10	195	10	55	M1B2F40		_
BT45-BCA 14.5-105	14.5	17	105	14	52	MIDZF4U	-	1920
BT45-BCA 14.5-195	14.0	195						
BT45-BCA 16-120	16	22.5	120	15	58	M1A2F40		
BT45-BCA 16-195	10	22.5	195	15	36	WITAZI 40		-
BT45-BCA 19-135	19	23	135	18	68	M2B2F40	M2B2CO4	CPGT04/CCGT04
BT45-BCA 19-195	10	20	195	1 "	00	WIZDZI TO	WIZDZOOT	010104000104
BT45-BCA 23-150	23	29	150	22	82	M3B2F40	M3B2T	
BT45-BCA 23-210			210			model 10		TCMT 06T104
BT45-BCA 29-165	29	41	165	28	115	M3A2F40	M3A2T	1 CM1 061104
BT45-BCA 29-225	20	7.1	225	20	110	WONZI TO	WORL	
BT45-BCA 38-165	38	49	165	35	115	M5B2F40	M5B2T	TCMT 110204
BT45-BCA 38-210	50	45	210	37	172	WODE! TO	WODZI	10011110204
BT45-BCA 46-165			165	41	115			1.
BT45-BCA 46-225	46	66	225	77	182	M5A2F40	M5A2T	TCMT 110204
BT45-BCA 46-255			255	44	206	1		
BT45-BCA 62-165			165	(= (127			
BT45-BCA 62-240	62	87	240	57	184	1		
BT45-BCA 62-330			330	59	280	M7A2F80	M7A2T	TCMT 110204
BT45-BCA 83-165	9925	1000000	165	1911	127			
BT45-BCA 83-240	83	108	240	70	202			
BT45-BCA 98-165	98	142	165	170	127	M10A2F80	M10A2T	TCMT 16T304
BT45-BCA 98-240	90	142	240	-	202	WITUAZEOU	WITOAZI	10W1 101304

Note: We can suit ISO insert any make like



MICRO BORING BAR BT SHANK

BCA

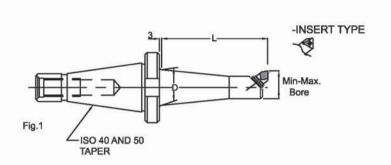


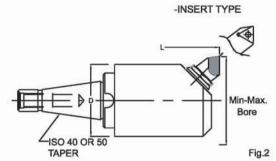
PART NO.	BORIN	G RANGE	L	ØB	м		MICROBORE UI	NIT
PART NO.	Min	Max	L	מש	IVI	BRAZED	INDEXABLE	ISO INSERTS
BT50-BCA 13.5-120	40.5	40	120	40				
BT50-BCA 13.5-195	13.5	16	195	13				
BT50-BCA 14.5-120	44.5	47	120	- 44	67	M1B2F40	-	17 7
BT50-BCA 14.5-195	14.5	17	195	14				
BT50-BCA 16-120	16	22.5	120	15	73	M1A2F40		
BT50-BCA 16-195	10	22.5	195	10	7.5	WITAZI 40		17.
BT50-BCA 19-135	19	23	135	18	86	MODOEAO	Mapacoa	CDCTOA/CCCTOA
BT50-BCA 19-210	19	23	210	10	00	M2B2F40	M2B2CO4	CPGT04/CCGT04
BT50-BCA 23-150			150					
BT50-BCA 23-225	23	29	225	22	105	M3B2F40	M3B2T	TCMT 06T104
BT50-BCA 29-165	29	41	165	28	115	14040540	MOAGE	10001104
BT50-BCA 29-225	29	41	225	20	115	M3A2F40	M3A2T	
BT50-BCA 38-165	-		165		115	M5B2F40	M5B2T	TCMT 110204
BT50-BCA 38-225	38	49	225	35	172			
BT50-BCA 46-165			165	41	115			
BT50-BCA 46-225	46	66	225	44	182	M5A2F40	M5A2T	TCMT 110204
BT50-BCA 46-255			255	44	206			
BT50-BCA 62-180			180	121	137			
BT50-BCA 62-240	62	87	240	57	184]		
BT50-BCA 62-240			330	59	280	1		
BT50-BCA 83-165			165	90	122	M7A2F80	M7A2T	TCMT 110204
BT50-BCA 83-240	83	108	240	70	190	1		
BT50-BCA 83-345			345	76	302			
BT50-BCA 98-165			165		122			
BT50-BCA 98-240	98	142	240	-	197	1		
BT50-BCA 98-345			345	92	302	1		
BT50-BCA 132-315	400	470	210	1211	-	MARAGERS	MAGAST	TOME ACTOR
BT50-BCA 132-315	132	176	315	-	-	M10A2F80	M10A2T	TCMT 16T304
BT50-BCA 166-225	466 240	225	121	-				
BT50-BCA 166-315	166	210	315	-	5-5			
BT50-BCA 200-210	200	244	210	-	-			



MICRO BORING BAR ISO SHANK

BCA





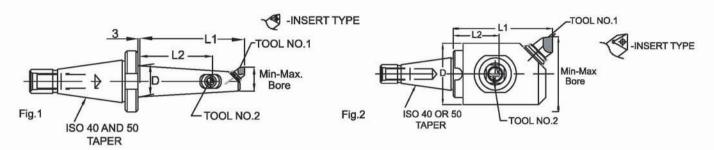
SINGLE-TOOL MICRO BORING BARS WITH ISO40 AND ISO50 TAPER SHANK

PAR	T NO.	D	L-MAX	Borin	g Range		Microbore Ur	it	
ISO40	ISO50	Max.Dia	Bore Depth	Min	Max	Brazed	Indexable	ISO Insert	Fig No
BCA-401	BCA-501	13	67	13.5	15.9	M1B2F40	-	-	1
BCA-402	BCA-502	14	67	14.5	16.9	M1B2F40	-	-	1
BCA-403	BCA-503	15	73	16	22.4	M1A2F40	.=0	-	1
BCA-404	BCA-504	18	86	19	23	M2B2F40	M2B2CO4	CPGT04/CCGT04	1
BCA-405	BCA-505	22	105	23	29.4	M3B2F40	мзв2т	TCMT06T104	1
BCA-406	BCA-506	28	114	28.6	39.7	M3A2F40	M3A2T	TCMT06T104	1
BCA-407	BCA-507	28	130	28.6	39.7	M3A2F40	МЗА2Т	TCMT06T104	1
BCA-408	BCA-508	35	114	38.1	49.2	M5B2F40	M5B2T	TCMT0110204	1
BCA-409	BCA-509	37	172	38.1	49.2	M5B2F40	M5B2T	TCMT0110204	1
BCA-410	BCA-510	41	114	46	66.7	M5A2F40	M5A2T	TCMT0110204	1
BCA-411	BCA-511	44	184	46	66.7	M5A2F40	M5A2T	TCMT0110204	1
ē	BCA-512	44	206	46	66.7	M5A2F40	M5A2T	TCMT0110204	1
BCA-413	BCA-513	51	127	61.9	87.3	M7A2F80	M7A2T	TCMT0110204	1
BCA-414	BCA-514	57	184	61.9	87.3	M7A2F80	M7A2T	TCMT0110204	1
9	BCA-515	59	280	61.9	87.3	M7A2F80	M7A2T	TCMT0110204	1
BCA-416	-	63	89	82.6	108	M7A2F80	M7A2T	TCMT0110204	2
-	BCA-517	63	86	82.6	108	M7A2F80	M7A2T	TCMT0110204	1
BCA-418	-	63	121	82.6	108	M7A2F80	M7A2T	TCMT0110204	2
Ē	BCA-519	63	118	82.6	108	M7A2F80	M7A2T	TCMT0110204	1
BCA-420	-	63	200	82.6	108	M7A2F80	M7A2T	TCMT0110204	2
-	BCA-521	70	197	82.6	108	M7A2F80	M7A2T	TCMT0110204	1
ä	BCA-522	76	295	82.6	108	M7A2F80	M7A2T	TCMT0110204	1
BCA-423	(4)	83	121	98.4	142.9	M10A2F80	M10A2T	TCMT016T304	2
-	BCA-524	83	118	98.4	142.9	M10A2F80	M10A2T	TCMT016T304	1
¥	BCA-525	92	295	98.4	142.9	M10A2F80	M10A2T	TCMT016T304	1



MICRO BORING BAR ISO SHANK

BCA

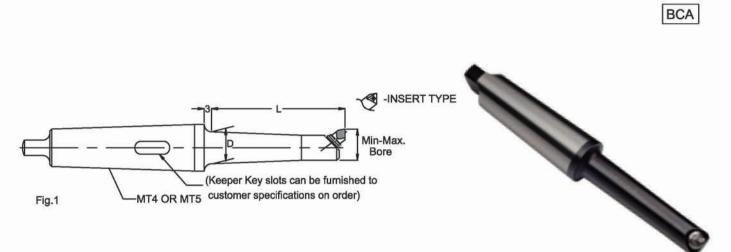


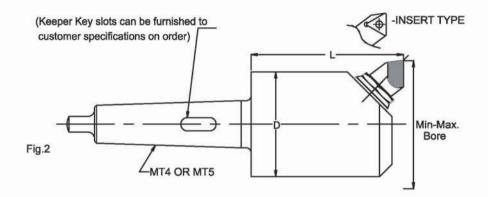
TWO-TOOL MICRO BORING BARS WITH ISO40 AND ISO50 TAPER SHANKS

Pa	rt No	D	Max.Bor	e Depth	TOOL NO	Boring	Range		Microbore U	nit	Fi- NO
ISO40	ISO50	MaxDia	L1	L2	TOOL NO.	Min	Max	Brazed	Indexable	ISO Insert	Fig NO.
DO 407 404	DOAGT FOA	40	00	05	1	19	23	M2B2F40	M2B2CO4	CPGT04/CCGT04	
BCA2T-401	BCA2T-501	18	86	65	2	25.4	30.2	M2B5F50	-	-	1
BCA2T-402	DOAST FOS	22	105	83	1	23	29.4	M3B2F40	M3B2T	TCMT 06T104	1
BCAZ1-402	BCA2T-502	22	105	03	2	31	42.1	M2A5F50	M2A5CO4	CPGT04/CCGT04	- 1)
BCA2T-403	BCA2T-503	28	114	86	1	28.6	39.7	M3A2F40	M3A2T	TCMT 06T104	1
BCA21-403	BCA21-303	20	1114	00	2	36.5	52.4	M3A5F50	M3A5T	10W1 001104	- 1
BCA2T-404	BCA2T-504	28	130	102	1	28.6	39.7	M3A2F40	M3A2T	TCMT 06T104	1
					2	36.5	52.4	M3A5F50	M3A5T		
BCA2T-405	BCA2T-505	35	114	79	1	38.1	49.2	M5B2F40	M5B2T	TCMT 110204	1
		The second of	1010111	7,2,80	2	46	61.9	M3A5F50	M3A5T		271
BCA2T-406	BCA2T-506	37	172	133	1	38.1	49.2	M5B2F40	M5B2T	TCMT 110204	1
	7				2	46	61.9	M3A5F50	M3A5T		
BCA2T-407	BCA2T-507	41	114	76	1	46	66.7	M5A2F40	M5A2T	TCMT 110204	1
The state of the s	C .				2	58.7	85.7	M5A5F50	M5A5T		
BCA2T-408	BCA2T-508	44	184	140	2	46 58.7	66.7 85.7	M5A2F40	M5A2T M5A5T	TCMT 110204	1
					1	46	66.7	M5A5F50 M5A2F40	M5A2T	100 Sept. 100 May 170	
-	BCA2T-509	44	206	161	2	58.7	85.7	M5A5F50	M5A5T	TCMT 110204	1
		-			1	61.9	87.3	M7A2F80	M7A2T		
BCA2T-410	BCA2T-510	51	127	83	2	73	100	M5A5F50	M5A5T	TCMT 110204	1
				No.	1	61.9	87.3	M7A2F80	M7A2T	VALENCE OF THE CONTRACTOR	- 27
BCA2T-411	BCA2T-511	57	184	133	2	73	100	M5A5F50	M5A5T	TCMT 110204	1
	LANCOUS PROPERTY OF A PROPERTY	10000	1000000	640500	1	61.9	87.3	M7A2F80	M7A2T	12-25-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	201
-	BCA2T-512	59	280	229	2	92.1	100	M5A5F50	M5A5T	TCMT 110204	1
		10000		Program of the Progra	1	82.6	108	M7A2F80	M7A2T	TOME 440004	
BCA2T-413	-	63	89	38	2	92.1	125.4	M7A5F100	M7A5T	TCMT 110204	2
					1	82.6	108	M7A2F80	M7A2T	T01/T //000/	1000
-	BCA2T-514	63	86	35	2	92.1	125.4	M7A5F100	M7A5T	TCMT 110204	1
DOAGT 445			404	70	1	82.6	108	M7A2F80	M7A2T	TOMT 440004	_
BCA2T-415	-	63	121	70	2	92.1	125.4	M7A5F100	M7A5T	TCMT 110204	2
25	BCA2T-516	62	118	67	1	82.6	108	M7A2F80	M7A2T	TCMT 110204	1
7	BCA21-516	63	110	07	2	92.1	125.4	M7A5F100	M7A5T	1 CWIT 110204	- 13
BCA2T-417	2	63	200	143	1	82.6	108	M7A2F80	M7A2T	TCMT 110204	2
DUAZ 1-417		00	200	140	2	92.1	125.4	M7A5F100	M7A5T	10111 110204	-
_	BCA2T-518	70	197	140	1	82.6	108	M7A2F80	M7A2T	TCMT 110204	1
	50/21 010	,,,	101	110	2	92.1	125.4	M7A5F100	M7A5T	10011 110204	
-	BCA2T-519	76	295	238	1	82.6	108	M7A2F80	M7A2T	TCMT 110204	1
	20.2.0.0		200	200	2	_		M7A5F100	M7A5T	10011 110201	
BCA2T-420	-	83	121	57	1		_	M10A2F80	M10A2T	TCMT 16T304	2
					2			M10A5F100	M10A5T		
	BCA2T-521	83	118	54	1			M10A2F80	M10A2T	TCMT 16T304	1
			1		2			M10A5F100	M10A5T		
2	BCA2T-522	92	295	232	1	98.4	-	M10A2F80	M10A2T	TCMT 16T304	1
		20.40.0	The Country	11.000	2	117.5	174.6	M10A5F100	M10A5T	TOTAL PROPERTY OF THE PROPERTY	



MICRO BORING BAR MT SHANK





SINGLE-TOOL MICRO BORING BARS WITH MT4 OR MT5 TAPER SHANKS

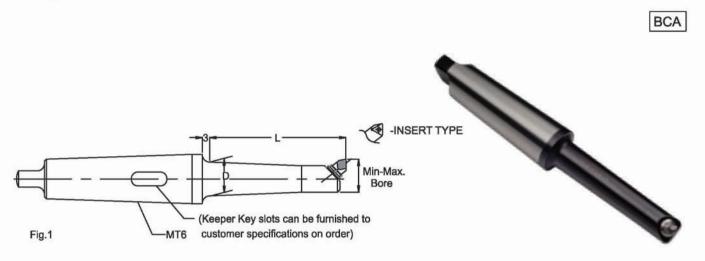
PAR	T NO.	D	L-Max	Boring	Range		Microbore	e unit	Fig No.
MT4	MT5	Max.Dia	Bore Depth	Min	Max	Brazed	Indexable	ISO insert	Fig No.
BCA401	BCA501	13	67	13.5	15.9	M1B2F40	-	-	1
BCA402	BCA502	14	67	14.5	16.9	M1B2F40	-	:#::	1
BCA403	BCA503	15	73	16	22.4	M1A2F40	-	-	1
BCA404	BCA504	18	86	19	23	M2B2F40	M2B2CO4	CPGT04/CCGT04	1
BCA405	BCA505	22	105	23	29.4	M3B2F40	M3B2T	TCMT 06T104	1
BCA406	BCA506	28	114	28.6	39.7	M3A2F40	M3A2T	TCMT 06T104	1
-	BCA507	28	130	28.6	39.7	M3A2F40	M3A2T	TCMT 06T104	1
BCA408	-	35	117	38.1	49.2	M5B2F40	M5B2T	TCMT 110204	2
_	BCA509	35	114	38.1	49.2	M5B2F40	M5B2T	TCMT 110204	1
-	BCA510	37	172	38.1	49.2	M5B2F40	M5B2T	TCMT 110204	1
BCA411	-	41	117	46	66.7	M5A2F40	M5A2T	TCMT 110204	2
15	BCA512	41	114	46	66.7	M5A2F40	M5A2T	TCMT 110204	1
<u> </u>	BCA513	44	184	46	66.7	M5A2F40	M5A2T	TCMT 110204	1
BCA414	BCA514	51	130	61.9	87.3	M7A2F80	M7A2T	TCMT 110204	2
-	BCA515	57	187	61.9	87.3	M7A2F80	M7A2T	TCMT 110204	2
BCA416	BCA516	63	89	82.6	108	M7A2F80	M7A2T	TCMT 110204	2
BCA417	BCA517	63	121	82.6	108	M7A2F80	M7A2T	TCMT 110204	2
-	BCA518	63	200	82.6	108	M7A2F80	M7A2T	TCMT 110204	2
-	BCA519	83	221	98.4	142.9	M10A2F80	M10A2T	TCMT 16T304	2

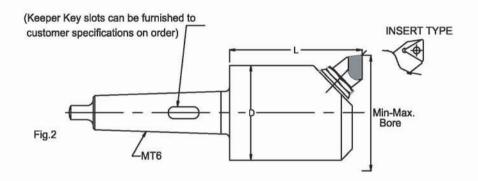
Note: 1. Single Tool Boring bars with No.1,2,3 &6 Morse Taper Shanks are also available on request.

- 2. "F" in Microbroe unit indicates K20 carbide. Ex:-M7A2F*80
- 3. Insert type Microbore cartridge also available.



MICRO BORING BAR MT SHANK





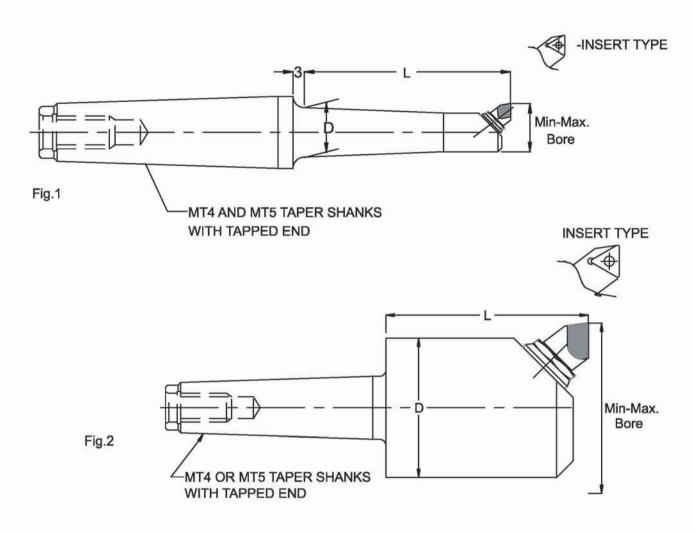
SINGLE - TOOL MICRO BORING BARS WITH MT6 TAPER SHANK

PART NO.	D	L-Max	Boring	Range		Microbo	re unit	Fig No.
МТ6	Max.Dia	Bore Depth	Min	Max	Brazed	Indexable	ISO insert	rig ivo.
BCA601	13	67	13.5	15.9	14400540			2
BCA602	14	67	14.5	16.9	M1B2F40	-	-	1
BCA603	15	73	16	22.4	M1A2F40	-	-	1
BCA604	18	86	19	23	M2B2F40	M2B2C04	CPGT04/CCGT04	1
BCA605	22	105	23	29.4	M3B2F40	M3B2T	TCMT 06T104	1
BCA606	28	114	28.6	39.7	M3A2F40	M3A2T	TCMT 06T104	1
BCA607	28	130	28.6	39.7	M3A2F40	M3A2T	TCMT 06T104	1
BCA608	35	114	38.1	49.2	M5B2F40	M5B2T	TCMT 110204	1
BCA609	37	172	38.1	49.2	M5B2F40	M5B2T	TCMT 110204	1
BCA610	41	114	46	66.7	M5A2F40	M5A2T	TCMT 110204	1
BCA611	44	184	46	66.7	M5A2F40	M5A2T	TCMT 110204	1
BCA612	44	206	46	66.7	M5A2F40	M5A2T	TCMT 110204	1
BCA613	51	127	61.9	87.3	M7A2F80	M7A2T	TCMT 110204	1
BCA614	57	184	61.9	87.3	M7A2F80	M7A2T	TCMT 110204	1
BCA615	59	280	61.9	87.3	M7A2F80	M7A2T	TCMT 110204	1
BCA616	63	86	82.6	108	M7A2F80	M7A2T	TCMT 110204	1
BCA617	63	118	82.6	108	M7A2F80	M7A2T	TCMT 110204	1
BCA618	63	197	82.6	108	M7A2F80	M7A2T	TCMT 110204	1
BCA619	76	298	82.6	108	M7A2F80	M7A2T	TCMT 110204	2
BCA620	83	121	98.4	142.9	M10A2F80	M10A2T	TCMT16T304	2
BCA621	92	298	98.4	142.9	M10A2F80	M10A2T	TCMT16T304	2



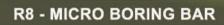
MICRO BORING BAR MT SHANK

BCA



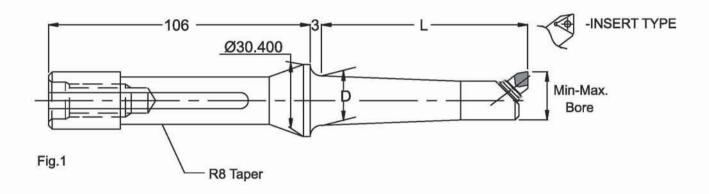
SINGLE - TOOL MICRO BORINGS BARS WITH MT4 AND MT5 TAPPED END TAPPER SHANKS

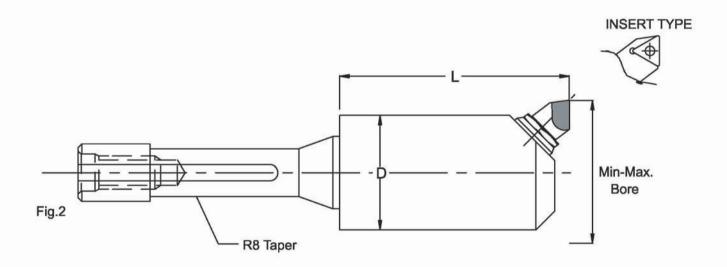
PAR	T NO.	D	L-Max	Boring	Range		Microbore	e unit	Fig No.
MT4	MT5	Max.Dia	Bore Depth	Min	Max	Brazed	Indexable	ISO insert	rig ivo.
TEBCA-401	TEBCA-501	13	67	13.5	15.9	MADOEAO		ag o	4
TEBCA-402	TEBCA-502	14	67	14.5	16.9	M1B2F40	7	- 5	1
TEBCA-403	TEBCA-503	15	73	16	22.4	M1A2F40	-	-	1
TEBCA-404	TEBCA-504	18	86	19	23	M2B2F40	M2B2CO4	CPGT04/CCGT04	1
TEBCA-405	TEBCA-505	22	105	23	29.4	M3B2F40	M3B2T	TCMT 06T104	1
TEBCA-406	TEBCA-506	28	114	28.6	39.7	MONOFIO	MOAOT	TOME OCTABA	1
5 -	TEBCA-507	28	130	28.6	39.7	M3A2F40	M3A2T	TCMT 06T104	1
TEBCA-408		35	117	38.1	49.2	M5B2F40	M5B2T	TCMT 110204	2
-	TEBCA-509	35	114	38.1	49.2	MEDOEAO	MEDOT	TOMT 440004	-
-	TEBCA-510	37	172	38.1	49.2	M5B2F40	M5B2T	TCMT 110204	1
TEBCA-411	-	41	117	46	66.7	M5A2F40	M5A2T	TCMT 110204	2
-	TEBCA-512	41	114	46	66.7	M5A2F40	M5A2T	TCMT 110204	1
121	TEBCA-513	44	184	46	66.7	M5A2F40	M5A2T	TCMT 110204	1
TEBCA-414	TEBCA-514	51	130	61.9	87.3	M7A2F80	M7A2T	TCMT 110204	2
M e s	TEBCA-515	57	187	61.9	87.3	M7A2F80	M7A2T	TCMT 110204	2
TEBCA-416	TEBCA-516	63	89	82.6	108	M7A2F80	M7A2T	TCMT 110204	2
TEBCA-417	TEBCA-517	63	121	82.6	108	M7A2F80	M7A2T	TCMT 110204	2
1-1	TEBCA-518	63	200	82.6	108	M7A2F80	M7A2T	TCMT 110204	2
-	TEBCA-519	83	121	98.4	142.9	M10A2F80	M10A2T	TCMT 16T304	2





BCA



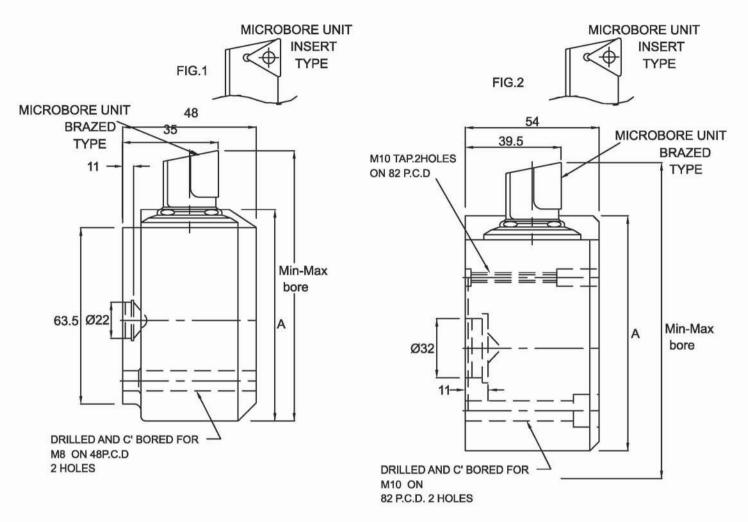


SINGLE TOOL MICRO BORING BARS WITH R8 SHANK

PART NO.	D	L-Max	Boring	Range		Microbor	e unit	Fig No.
R8 Taper	Max.Dia	Bore Depth	Min	Max	Brazed	Indexable	ISO insert	rig No.
R8BCA-801	13	67	13.5	15.9	M1B2F40	-	0_0	1
R8BCA-802	14	67	14.5	16.9	WITBZF40	-	-	'
R8BCA-803	15	73	16	22.4	M1A2F40	-	-	1
R8BCA-804	18	86	19	23	M2B2F40	M2B2CO4	CPGT04/CCGT04	1
R8BCA-805	22	105	23	29.4	M3B2F40	M3B2T	TCMT 06T104	4
R8BCA-806	28	114	28.6	39.7	M3A2F40	M3A2T	1CM1 001104	
R8BCA-807	35	117	38.1	49.2	M5B2F40	M5B2T	TCMT 110204	2
R8BCA-808	41	117	46	66.7	M5A2F40	M5A2T	1CWI 110204	_
R8BCA-809	51	130	61.9	87.3	M7A2F80	M7A2T		
R8BCA-8010	63	89	82.6	108	M7A2F80	M7A2T	TCMT 110204	2
R8BCA-811	63	121	82.6	108	M7A2F80	M7A2T		



ADAPTOR FOR 52 & 32 SERIES



52 SERIES MICROBORE BORING RINGS (see fig 1)

PART NO	PART NO. A		Range		Use with adaptor		
TAKT NO.	^	Min	Max Brazed Indexable ISO insert				
MTS-52	48	79	112.4	M7A5F100		TOMT 440004	
MTS-54	64	97	130.4	M7A5F100	MAZAET	TCMT 110204	EMA 1200
MTS-56	76	114	147.4	M7A5F100	M7A5T	TCMT 16 T3 04	FMA-1300
MTS-58	90	132	165.4	M7A5F100		10W1 10 13 04	

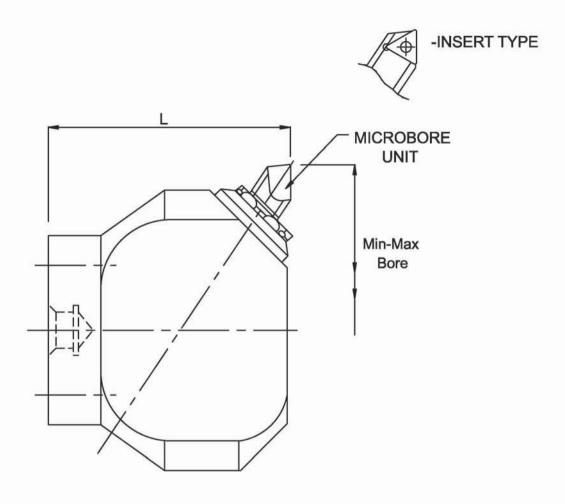
32 SERIES MICROBORE BORING RINGS (see fig 2)

PART NO. A		Boring Range			Use with adaptor			
1741110.	att No. 7		Max	Brazed	Indexable	ISO insert	OSO WILL AGAPTOL	
MTS-32	102	140	197.2	M10A5F100				
MTS-34	137	191	248.2	M10A5F100		TCMT 16 T3 04	FMA-1400	
MTS-36	178	241	298.2	M10A5F100	M10A5T			
MTS-38	229	292	349.2	M10A5F100	WITOAST		1 W/A- 1400	
MTS-310	280	343	400.2	M10A5F100				
MTS-312	330	394	451.2	M10A5F100				

Note: We can suit ISO insert any make like



72 & 82 SERIES MICROBORE BORING RINGS



PART NO.	Boring	Range	L		unit	Use	
	Min	Max	-	Brazed	Indexable	ISO insert	with adaptor
MTS-72	79	104	65	M7A2F80			
MTS-74	95	120	75	M7A2F80	M7A2T	TCMT 110204	FMA-1300
MTS-76	114	139	80	M7A2F80	WITTE		1 W/A-1300
MTS-78	132	157	85	M7A2F80			
MTS-82	140	184	105	M10A2F80			
MTS-84	178	222	130	M10A2F80	M10A2T	TCMT 16T304	FMA-1400
MTS-86	216	260	109	M10A2F80	WITOAZI	UAZI ICMI 161304	1 W/A 1400
MTS-88	254	298	87	M10A2F80			

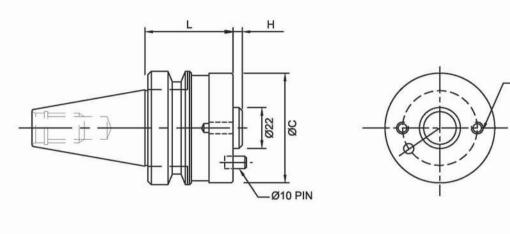
Note: * Boring ring and boring bars are supplied without Tools.

* Party has to order tool separately indicating carbide grade.

- * Indexable Tools can be used, But bore dia (min. and max.) will differ.
- * We can suit ISO insert any make like

FIG 1





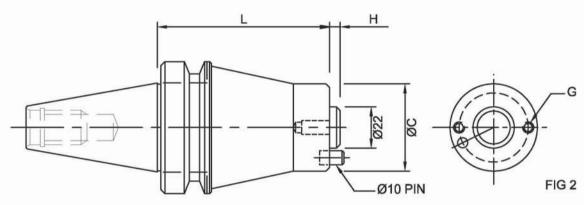
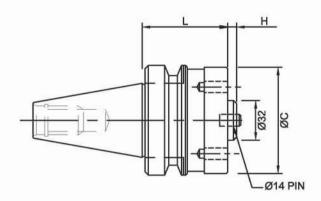


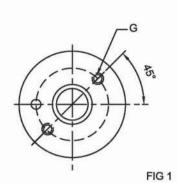
Fig No.	Part No.	L	G	ØC	Τ	Use with	
1	BT40-FMA-1300-90	90	140	0.4	40	Series52&72	
2	BT40-FMA-1300-150	150	M8	64	10	Boring rings	

Fig No.	Part No.	L	G	ØC	Н	Use with
1	BT45-FMA-1300-135	135			40	Series52&72
2	BT45-FMA-1300-210	210	M8	64	10	Boring rings

Fig No.	Part No.	L	G	ØC	Н	Use with
1	BT50-FMA-1300-135	135			40	Series52&72
2	BT50-FMA-1300-210	210	M8	64	10	Boring rings







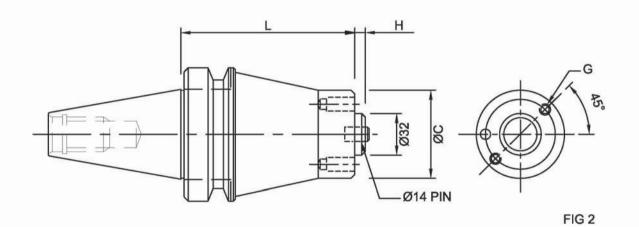


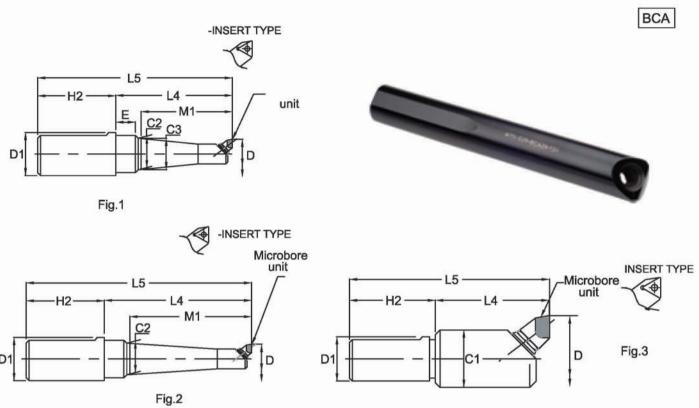
Fig No.	Part No.	L	G	ØC	Н	Use with
1	BT40-FMA-1400-60	60	M10	102	10	Series32&82 Boring rings

Fig No.	Part No.	L	G	ØC	Н	Use with	
1	BT45-FMA-1400-60	60		100	40	Series32&82	
2	BT45-FMA-1400-120	120	M10	102	10	Boring rings	

Fig No.	Part No.	Ē.	G	ØC	Н	Use with	
1	BT50-FMA-1400-60	60	1440	100	40	Series32&82	
2	BT50-FMA-1400-120	120	M10	102	10	Boring rings	



STRAIGHT SHANK MICROBORE BORING BAR



	Fire	1	D	g6										Microbore Unit	
Part No.	Fig No.	Min	Max	D1	L4	L5	C1	C2	C3	H2	E	M1	Brazed	Indexable	ISO insert
ST25-BCA 13.5-75		13.5	16		75	145	1	13	24		5	67	M1B2F40-06		
ST25-BCA 14.5-75	1	14.5	17		75	145	Œ	14	24		5	67	W162F40-06	•	7.
ST25-BCA 16-90		16	22.5		90	160		15	24		13	73	M1A2F40-08		
ST25-BCA 19-90	2	19	23	25	90	160	0	18	ř.	70	6	86	M2B2F40-10	M2B2C04	CPGT04/CCGT04
ST25-BCA 23-120	1	23	29	20	120	190	191	22	24	10	12	105	M3B2F40-12	МЗВ2Т	TCMT 06T104
ST25-BCA 29-120		29	41		120	190	25	31	1		4	1	M3A2F40-16	M3A2T	TCMT 06T104
ST25-BCA 38-120	3	38	49		120	190	33	8	ĸ		¥	I	M5B2F40-20	M5B2T	TCMT 110204
ST25-BCA 46-120		46	66		120	190	38		OF.		-		M5A2F40-25	M5A2T	TCMT 110204
ST32-BCA 13.5-75		13.5	16		75	155	390	13	31		5	67	M1B2F40-06		
ST32-BCA 14.5-75	1	14.5	17		75	155	(4)	14	31		5	67	W162F40-06	-	-
ST32-BCA 16-90		16	22.5		90	170	(#)	15	31		13	73	M1A2F40-08	-	-
ST32-BCA 19-90	2	19	23		90	170		18	OF		3	86	M2B2F40-10	M2B2CO4	CPGT04/CCGT04
ST32-BCA 23-120	1	23	29	32	120	200	123	22	24	80	12	105	M3B2F40-12	МЗВ2Т	TCMT 06T104
ST32-BCA 29-120	2	29	41		120	200	(±)	28	-		¥	115	M3A2F40-16	M3A2T	TCMT 06T104
ST32-BCA 38-120		38	49		120	200	33	₩.	ř		r	ne:	M5B2F40-20	M5B2T	TCMT 110204
ST32-BCA 46-120	3	46	66		120	200	38	1	200		28%		M5A2F40-25	M5A2T	TCMT 110204
ST32-BCA 62-120		62	87		120	200	51	1	3		-		M7A2F80-30	M7A2T	TCMT 110204

Note: Insert type Microbroe cartridge also available.