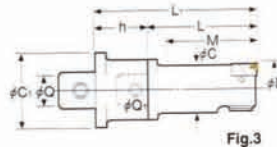
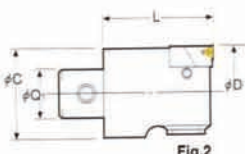
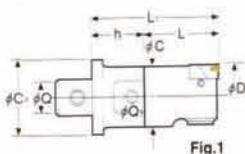

ZMAC Triangular Insert type head

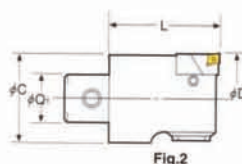
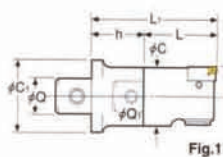
For Finishing


Set/Head Code No.	Boring Range D	Boring Depth M	Coupling Dia. Q	Spacer No.	Head No.	Remarks							
(Q -)Q ₁ -Min.D -L ₁ /L				Q - Q ₁ -h	Q ₁ -Min.D-L	h	L ₁	Q ₁	C	C ₁	Unit No.	Insert No.	Fig.
Q26-12-ZMAC 16- 75	15.9 ~ 20.2	38	26	SP26-12-30	12-ZMAC 16- 45	30	75	12	15	50	M 2HZ- 16	3MP-C, B	3
Q26-12-ZMAC 16- 85		48		SP26-12-30	12-ZMAC 16- 55		85				M 2HZ- 20		
Q26- 9 -ZMAC 20- 70	19.8 ~ 25.2	55		SP26- 9 -30	9 -ZMAC 20- 40	30	70	9	19	50	M 3HZ- 25		
Q26-12-ZMAC 25- 70	24.8 ~ 32.2	55		SP26-12-30	12-ZMAC 25- 40	30	70	12	24	50	M 4HZ- 32	4MP-C, B	1
Q26-16-ZMAC 32- 85	31.8 ~ 42.2	70		SP26-16-30	16-ZMAC 32- 55	30	85	16	31	50	M 5HZ- 42		
Q26-20-ZMAC 42-100	41.8 ~ 55.2	85		SP26-20-30	20-ZMAC 42- 70	30	100	20	40	50	M 5HZ- 55	6MP-C, B	2
26 -ZMAC 55- 70	54.8 ~ 70.2	70	34	-	26-ZMAC 55- 70	-	-	-	53	-	M 7HZ- 70		
34 -ZMAC 70- 70	69.8 ~ 85.2	70		-	34-ZMAC 70- 70	-	-	-	67	-	M 10HZ- 85		
42 -ZMAC 85-100	84.8 ~ 100.2	100	42	-	42-ZMAC 85-100	-	-	-	83	-	M 10HZ-100		
42 -ZMAC100-100	99.5 ~ 140.5	100		-	42-ZMAC100-100	-	-	-	95	-	M 10HZ-140		
42 -ZMAC140-100	139.5 ~ 180.5	100		-	42-ZMAC140-100	-	-	-	135	-			

MIN. dial readout: ZMAC 32 & above is 0.01 mm on diameter

ZMAC 25 & below is 0.02 mm on diameter. Easy adjustment of 3-5 microns on diameter using our precision screw mechanism

ZMAC- R Rhomboid Insert type head

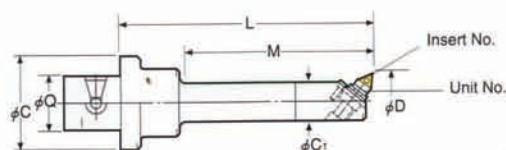
For Roughing, Middle Finishing


Set/Head Code No.	Boring Range D	Boring Depth M	Coupling Dia. Q	Spacer No.	Head No.	Remarks							
(Q -)Q ₁ -Min.D -L ₁ /L				Q - Q ₁ -h	Q ₁ -Min.D-L	h	L ₁	Q ₁	C	C ₁	Unit No.	Insert No.	Fig.
Q26-16-ZMAC 32R- 85	31.8 ~ 42.2	70	26	SP26-16-30	16-ZMAC 32R- 55	30	85	16	31	50	M 4HZ- 32R	CC06-C	1
Q26-20-ZMAC 42R-100	41.8 ~ 55.2	85		SP26-20-30	20-ZMAC 42R- 70	30	100	20	40	50	M 5HZ- 42R		
26 -ZMAC 55R- 70	54.8 ~ 70.2	70		-	26-ZMAC 55R- 70	-	-	-	53	-	M 5HZ- 55R	CC08-C	2
34 -ZMAC 70R- 70	69.8 ~ 85.2	70	34	-	34-ZMAC 70R- 70	-	-	-	67	-	M 10HZ- 85R		
42 -ZMAC 85R-100	84.8 ~ 100.2	100	42	-	42-ZMAC 85R-100	-	-	-	83	-	M 10HZ-100R		
42 -ZMAC100R-100	99.5 ~ 140.5	100		-	42-ZMAC100R-100	-	-	-	95	-	M 10HZ-140R	CC12-C	
42 -ZMAC140R-100	139.5 ~ 180.5	100		-	42-ZMAC140R-100	-	-	-	135	-			

MIN. dial readout: 0.01 mm on diameter. Easy adjustment of 3-5 microns on diameter using our precision screw mechanism



BCB Micro-Cut Boring Head



Code No. Q- Q1- Min D -L	Boring Range D	Boring Depth M	Coupling Dia. Q	Total Length L	C	C1	Unit No.	Insert No.
Q26-BCB12.7S- 70	12.7 ~ 14.5	60	26	95	50	12	M1-12.7	1MP-T
Q26-BCB14.5S-100	14.5 ~ 19.5	65		100		13	M1-14.5	
Q26-BCB19 S-125	19 ~ 22.5	90		125		18	M2-19	3MS-T

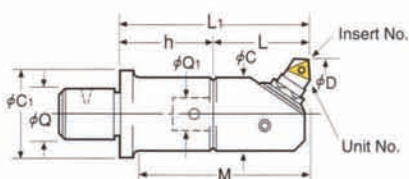


Fig.1

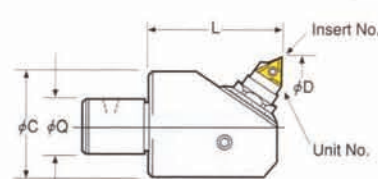
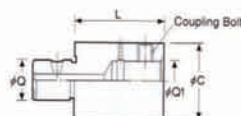


Fig.2

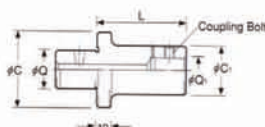
Set/Head Code No.	Boring Range D	Boring Depth M	Coupling Dia. Q	Spacer No.	Head No.	Remarks									
Q- Q† Min D -L				Q -Q†h	Q†Min.D-L	h	L1	Q1	C	C1	Unit No.	Insert No.	Fig.		
Q26- 9-BCB 22- 70	22 ~ 29.5	55	26	SP26- 9-30	9-BCB22-40	30	70	9	20	50	M 2- 22	3MS-T	1		
Q26-12-BCB 29- 70	29 ~ 41			SP26-12-30	12-BCB29-40			12	25		M 3- 29				
Q26-16-BCB 38- 85	38 ~ 50			70	SP26-16-30			16-BCB38-55	85		16	35		M 5- 38	6MP-C
Q26-20-BCB 48-100	48 ~ 65			85	SP26-20-30			20-BCB48-70	100		20	41		M 5- 48	
26-BCB 62- 70	62 ~ 90	70	34	-	-	-	-	-	54	-	M 7- 62	10MP-T	2		
34-BCB 82- 85	82 ~ 110	85		-	-	-	-	-	67	-	-				
42-BCB100-100	100 ~ 140	100		42	-	-	-	-	-	85	-			M10-100	

SPACER FOR MODULAR TYPE BORINGBAR

Extension Spacer



Stepped Spacer



NEW

A1 Spacer for Deep Hole



Coupling Dia		C	C1	MAX.L
Q	Q1			
26	9	50	19	85
	12		24	115
	16		31	140
	20		40	180
	26		50	190

Code No. Q- Q1- L	Coupling Dia		C
	Q	Q1	
SP 9- 9-30,45	9	9	19
SP 12-12-30,45,60	12	12	24
SP 16-16-30,45,60	16	16	31
SP 20-20-45,60	20	20	40
SP 26-26-60,90	26	26	50
SP 34-34-60,90	34	34	64
SP 42-42-60,90	42	42	83

Code No. Q- Q1- L	Coupling Dia		C	C1
	Q	Q1		
SP 12- 9-45	12	9	24	19
SP 16- 9-45	16	9	31	19
-12-60		12		24
SP 20- 9-45	20	9	40	19
-12-60		12		24
-16-60,90		16		31
SP 26- 9-30,45	26	9	50	19
-12-30,60		12		24
-16-30,60,90		16		31
-20-30,60,100		20		40
SP 34-16-60,90	34	16	64	31
-20-60,100		20		40
-26-60,100		26		50
SP 42-20-60,100	42	20	83	40
-26-60,100		26		50
-34-60,100		34		64