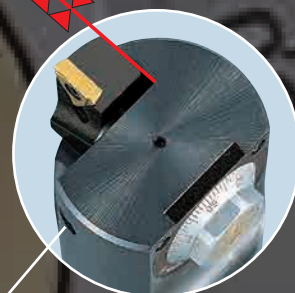


# ZMAC **ADVANCED** BORING HEAD

High rigidity, Easy operation, Ultimate finishing boring head

- More Accuracy by better radial direction rigidity
- More user-friendliness by better operability of dial-ring with 0.005mm vernier scale
- More visibility of the dial ring with new style low-glare black surface
- Center-through coolant system (as standard)
- Built-in Variable Coolant Nozzle (over ZMAC70 only)

Innovative new feature of Double-Contact Support



New Locking screw closer to Cutting Edge

**NEW** ZMACV



**NIKKEN** NIKKEN KOSAKUSHO WORKS, LTD.

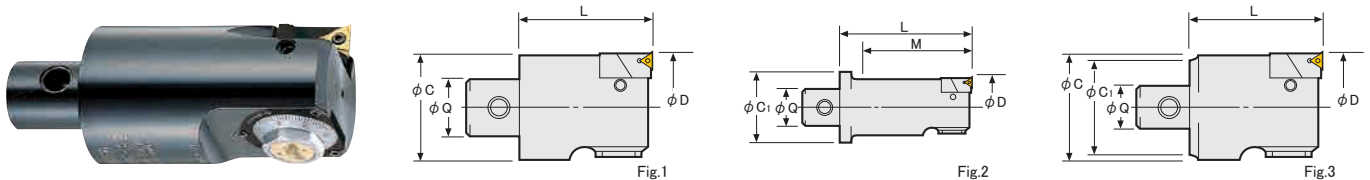
# ZMAC **ADVANCED** BORING HEAD

## How to adjust the diameter

## Coolant



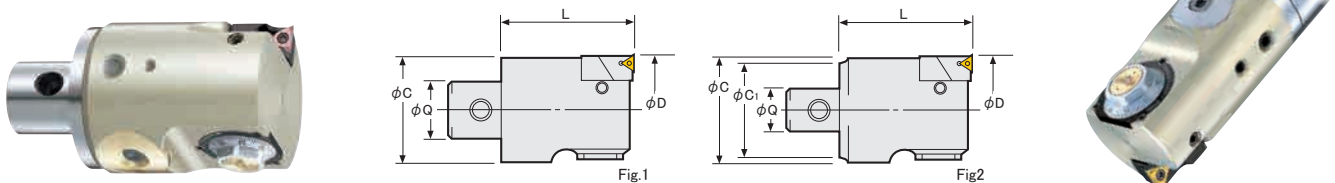
## ZMAC **ADVANCED** Boring Head



Head No.	Boring Range D	Effective Boring Depth M	Docking size Q	Remark					Weight (Kg)		
				C	C1	Unit Cod.	Insert Cod.	Fig.			
<b>12-ZMAC 16- 45V</b>	15.9~20.2	38	12	15	24	M 2HZ- 16V	3MP-C,B	2	0.4		
<b>12-ZMAC 16- 55V</b>		48							0.4		
<b>9-ZMAC 20- 40V</b>	19.8~25.2	40	9	19	24	M 2HZ- 20V	3MP-C,B	2	0.4		
<b>12-ZMAC 25- 40V</b>	24.8~32.2		12						24	M 3HZ- 25V	0.5
<b>16-ZMAC 32- 55V</b>	31.8~42.2	55	16	31	40	M 4HZ- 32V	4MP-C,B	1	0.7		
<b>20-ZMAC 42- 70V</b>	41.8~55.2		20						40	M 5HZ- 42V	1.1
<b>26-ZMAC 55- 70V</b>	54.8~70.2	70	26	53	67	M 5HZ- 55V	6MP-C,B	1	1.2		
<b>34-ZMAC 70- 70V</b>	69.8~85.2		34						67	M 7HZ- 70V	2.0
<b>42-ZMAC 85-100V</b>	84.8~100.2	100	42	83	83	M10HZ- 85V	6MP-C,B	3	4.3		
<b>42-ZMAC100-100V</b>	99.5~140.5			95					83	M10HZ-100V	4.9
<b>42-ZMAC140-100V</b>	139.5~180.5			135					83	M10HZ-140V	6.3

## ZMAC **ADVANCED** Boring Head

調整バランス



Head No.	Boring Range D	Effective Boring Depth M	Docking size Q	Remark					Weight (Kg)
				C	C1	Unit Cod.	Insert Cod.	Fig.	
<b>12-ZMAC 25- 40AAV</b>	24.8~32.2	40	12	24	40	M 3HZ- 25V	3MP-C,B	1	0.4
<b>16-ZMAC 32- 55AAV</b>	31.8~42.2								55
<b>20-ZMAC 42- 70AAV</b>	41.8~55.2	70	20	40	53	M 5HZ- 42V	6MP-C,B	1	0.8
<b>26-ZMAC 55- 70AAV</b>	54.8~70.2								26
<b>34-ZMAC 70- 70AAV</b>	69.8~85.2	70	34	67	83	M 7HZ- 70V	6MP-C,B	1	1.1
<b>42-ZMAC 85-100AAV</b>	84.8~100.2								83
<b>42-ZMAC100-100AAV</b>	99.5~140.5	100	42	95	83	M10HZ-100V	6MP-C,B	2	2.8
<b>42-ZMAC140-100AAV</b>	139.5~180.5			135					83