HI-ART MILLING CHUCK

The Hi-ART milling chuck achieves the accuracy, rigidity and torque required of a milling chuck. Ideal for use as the end-milling base holder!!



coolant-through



Coolant-Through Cutter

Thanks to the shrinker, the cutter shank is chucked evenly from the bottom to the top of the gripping range, ensuring high rigidity and gripping force.



The shortest holder length is 85mm (BT40).

The shorter holder length means increased rigidity. The rigidity of the tool holder is inversely proportional to the cube of the length, meaning the deflection of this holder is about half that of a 105mm holder.



Memory line clearly confirms tightness of the nut.

You can check the recommended degree of tightening at a glance.

Also, it only takes about one and half turns for tightening operation.



Keeps chips and coolant out completely

Needle-roller type chuck

Dust-proof cover keeps chips and coolant out completely.



Applicable for coolant-through version

Nozzle-through





BT40/A63 ···M4 / BT50/A100···M6 /

Set screw (Commercial item)

Coolant-Through Cutter

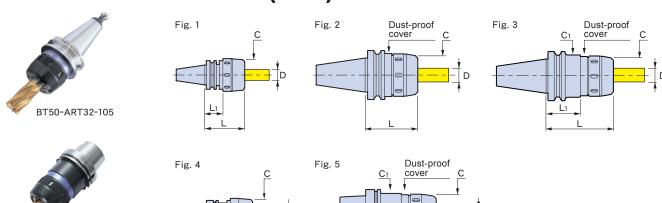


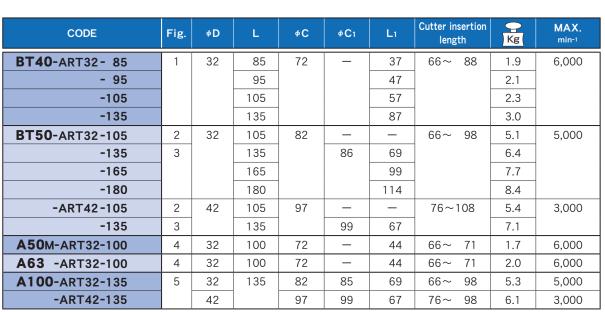


Applicable as a base holder for various applications



Hi-ART MILLING CHUCK (ART)





- Straight collet→P.42 Nozzle→P.42 Spanner with ejection hook→P.42
- Adjust screw → P.42 Retention knob(BT) → P.64

A100-ART32-135

Coolant duct(Fixed)(HSK-A)→P.104

■Note

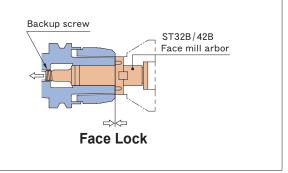
- •To utilize the coolant-through nozzle capability, the retention knob with hole and nozzle are required.
- Swing type coolant ducts are available upon request(HSK-A). For details, please contact us.

■Caution

- For BT40 type, the outer diameter of the nut is larger than that of the V-flange. Therefore, pay close attention to possible interference with the ATC arm.
- When using the straight arbor in BT40, use the S type (ex.S32-CTA10).
- For A50M and A63, the coolant-through system is not available for straight collets.
 Cutter-through coolant is not available for straight collets.
- For precautions and maintenance, refer to page 116.

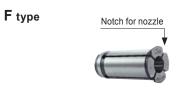
Increased rigidity with the Face Lock system (BT)

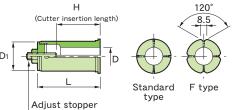
For face milling applications, combining a holder and a face mill arbor, with backup screw (ST32B, ST42B-FMA), will achieve strong gripping (Face Lock) and improve the rigidity during transverse feed milling.



Straight collet







CC	DDE					
Standard type	F type	φD	L	φD1	Н	Holder type
S32- 6	S32- 6F	6	75	32	30~68	ART32
- 8	- 8F	8				
-10	-10F	10			40~68	
-12	-12F	12				
-16	-16F	16			50~68	
-20	-20F	20				
-25	-25F	25			55~68	
S42- 6	S42- 6F	6	80	42	30~73	ART42
- 8	- 8F	8				
-10	-10F	10			45~73	
-12	-12F	12				
-16	-16F	16			50~73	
-20	-20F	20				
-25	-25F	25			55~73	
-32	-32F	32			60~73	

■Caution

- Remove the adjust stopper when using a straight collet with A50M/ A63.
 When a straight collet with nozzles is used, use the F type.

■Std. Access.

Adjust stopper

Spanner with ejection hook

This spanner can be used to both tighten a nut and remove a straight collet.





CODE	R	L	Holder type	Clamping torque(N·m)
FM-72	36	204	ART32 (BT40, A50M, A63)	60
-82	41	234	ART32 (BT50, A100)	70
-97	48.5	239	ART42 (BT50, A100)	

Nozzle

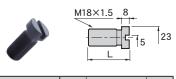


CODE	L	G	W	φD	Holder type	Q'ty
NOZ-M4-12	6.3	M4	4.5	1.2	BT40, A50M,	12pcs.
-60					A63	60pcs.
-M6-12	8.5	M6	7	1.8	BT50,	12pcs.
-60					A100	60pcs.

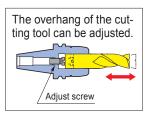
Wrench for attachment

Adjust screw

The overhang of the cutting tool can be adjusted.



CODE	L	Shank type	Q'ty
AJN-M18L	38	BT40	5pcs.
-M18	63	BT50	



Cutting data

