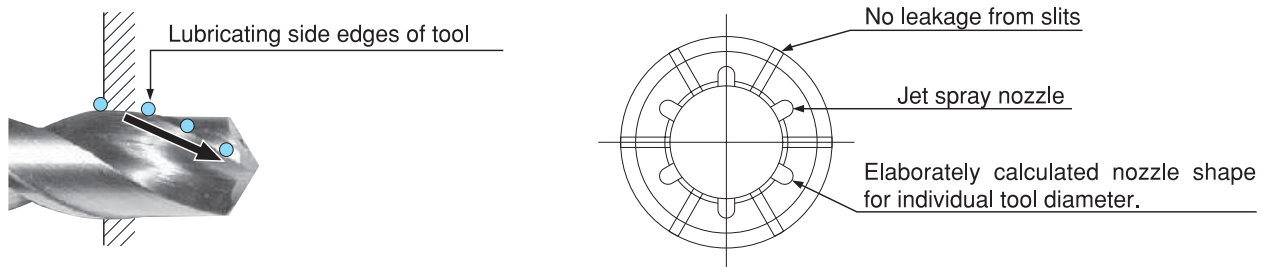
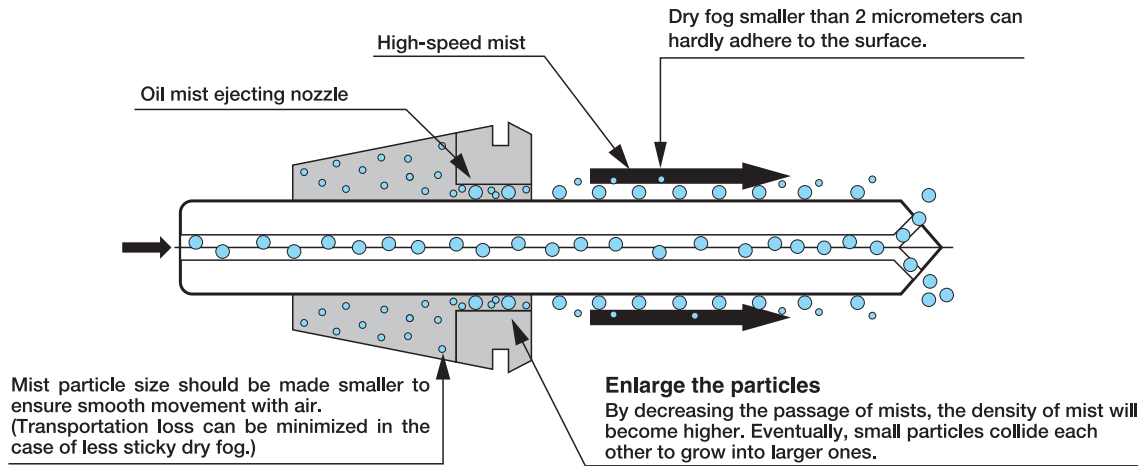


FDC-MS

High-Precision Collet (For Semidry Machining /MQL)

- Making lubricant adhere to the surface of workpiece and tool by spraying comparatively large particles alongside the tool.



Tool shank dia.	Model				
	FDC-07-MS	FDC-09-MS	FDC-12-MS	FDC-16-MS	FDC-22-MS
φ 3.0	FDC-03007-MS	FDC-03009-MS	FDC-03012-MS	—	—
φ 4.0	FDC-04007-MS	FDC-04009-MS	FDC-04012-MS	—	—
φ 5.0	FDC-05007-MS	FDC-05009-MS	FDC-05012-MS	—	—
φ 6.0	—	FDC-06009-MS	FDC-06012-MS	FDC-06016-MS	FDC-06022-MS
φ 7.0	—	FDC-07009-MS	FDC-07012-MS	FDC-07016-MS	FDC-07022-MS
φ 8.0	—	FDC-08009-MS	FDC-08012-MS	FDC-08016-MS	FDC-08022-MS
φ 9.0	—	—	FDC-09012-MS	FDC-09016-MS	FDC-09022-MS
φ 10.0	—	—	FDC-10012-MS	FDC-10016-MS	FDC-10022-MS
φ 11.0	—	—	FDC-11012-MS	FDC-11016-MS	FDC-11022-MS
φ 12.0	—	—	FDC-12012-MS	FDC-12016-MS	FDC-12022-MS
φ 13.0	—	—	—	FDC-13016-MS	FDC-13022-MS
φ 14.0	—	—	—	FDC-14016-MS	FDC-14022-MS
φ 16.0	—	—	—	—	FDC-16022-MS
φ 20.0	—	—	—	—	FDC-20022-MS

- 1.MSAA Collets collapse by 0.1mm.
- 2.Sizes not listed above are available upon request.
- 3.Tools with or without coolant holes can be used.
- 4.Inch sizes are available.

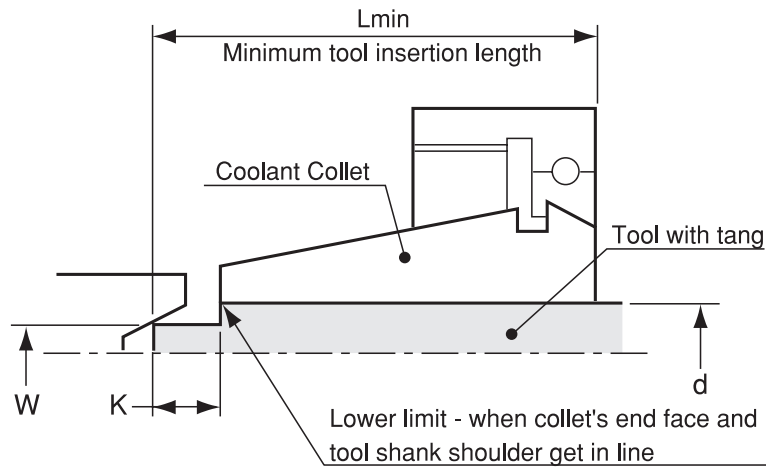
Accuracy (4 × d)	AA (5μm)
	A (10μm)

Ordering Example

FDC - 060 12 MS AA
 Max. chucking dia. 12 Series Accuracy

Minimum tool insertion length when coolant collet and tool with tang are used.

HDC-A, GDC-A, ERC, ERC-T, HDZ, GDZ, ERZ



Unit : Metric

Collet size (OH,C,MS)	Chucking diameter	Geometry of cutting tool													
		Tool shank diameter		ø3.1~5.0		ø5.1~6.0		ø6.1~9.0		ø9.1~12.0		ø12.1~16.0		ø16.1~22.0	
		Tang width		2.4		3		4		5		6		8	
Tang length		5	3	6	3	8	5	8	5	10	5	12	5		
ER8	ø1.8~5.0	L min value when using tool with tang	20.5	19	-	-	-	-	-	-	-	-	-	-	
ER11	ø3.0~7.0		23	22	24	22	26	23	-	-	-	-	-	-	
FDC07	ø3.0~7.0		23	22	24	22	26	23	-	-	-	-	-	-	
FDC09	ø3.0~9.0		28	27	29	27	31	28	-	-	-	-	-	-	
FDC12	ø3.0~12.0		33	33	33.5	33	35.5	33	35.5	33	-	-	-	-	
FDC16	ø6.0~16.0		-	-	38.5	38	40.5	38	40.5	38	42.5	38	-	-	
FDC22	ø6.0~22.0		-	-	47	47	47.5	47	47.5	47	49.5	47	51.5	47	

1. Chamfer at tool tang is NOT taken into account at all.
2. Coolant leakage will happen if minimum insertion length is not kept.
3. Minimum insertion length will vary according to tang length(K).

BT
CAT
AHO
HSK-A/E/F/C
HSK-T
UTS
Specialized Machine
Related Equipment
Bush & Chamfering Drill
Milling Chuck

Collet Holder

"R"-Zero Holder

Hydraulic Chuck

Shrink Fit

Tapping Chuck

Arbors

Function Holder

Turning Tool

Retention Stud

Tool Shank Dimensions