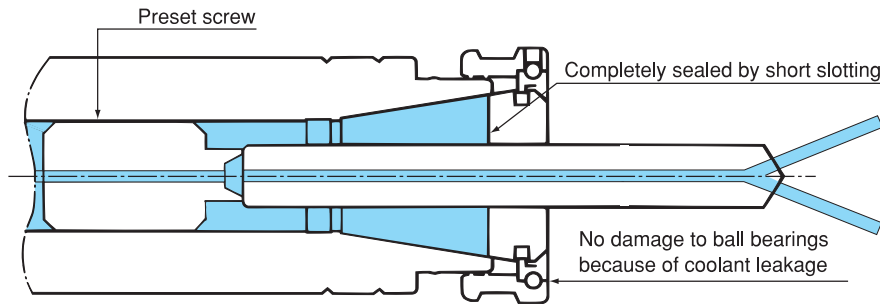


# FDC-OH

High-Precision Collet ( For Tool With Coolant Hole )



Tool shank dia.		Model				
mm (inch)	inch	FDC-07-OHAA	FDC-09-OHAA	FDC-12-OHAA	FDC-16-OHAA	FDC-22-OHAA
φ 3.0	φ 0.118	FDC-03007-OHAA	FDC-03009-OHAA	FDC-03012-OHAA	-	-
φ 3.2 (1/8")	φ 0.125	FDC-03207-OHAA	FDC-03209-OHAA	FDC-03212-OHAA	-	-
φ 3.5	φ 0.138	FDC-03507-OHAA	FDC-03509-OHAA	FDC-03512-OHAA	-	-
φ 4.0	φ 0.157	FDC-04007-OHAA	FDC-04009-OHAA	FDC-04012-OHAA	-	-
φ 4.2	φ 0.165	FDC-04207-OHAA	FDC-04209-OHAA	FDC-04212-OHAA	-	-
φ 4.5	φ 0.177	FDC-04507-OHAA	FDC-04509-OHAA	FDC-04512-OHAA	-	-
φ 4.8 (3/16")	φ 0.187	FDC-04807-OHAA	FDC-04809-OHAA	FDC-04812-OHAA	-	-
φ 5.0	φ 0.197	FDC-05007-OHAA	FDC-05009-OHAA	FDC-05012-OHAA	-	-
φ 5.5	φ 0.217	FDC-05507-OHAA	FDC-05509-OHAA	FDC-05512-OHAA	-	-
φ 6.0	φ 0.236	FDC-06007-OHAA	FDC-06009-OHAA	FDC-06012-OHAA	FDC-06016-OHAA	FDC-06022-OHAA
φ 6.4 (1/4")	φ 0.250	FDC-06407-OHAA	FDC-06409-OHAA	FDC-06412-OHAA	FDC-06416-OHAA	FDC-06422-OHAA
φ 6.5	φ 0.256	FDC-06507-OHAA	FDC-06509-OHAA	FDC-06512-OHAA	FDC-06516-OHAA	FDC-06522-OHAA
φ 6.8	φ 0.268	FDC-06807-OHAA	FDC-06809-OHAA	FDC-06812-OHAA	FDC-06816-OHAA	FDC-06822-OHAA
φ 7.0	φ 0.276	FDC-07007-OHAA	FDC-07009-OHAA	FDC-07012-OHAA	FDC-07016-OHAA	FDC-07022-OHAA
φ 7.5	φ 0.295	-	FDC-07509-OHAA	FDC-07512-OHAA	FDC-07516-OHAA	FDC-07522-OHAA
φ 8.0 (5/16")	φ 0.315	-	FDC-08009-OHAA	FDC-08012-OHAA	FDC-08016-OHAA	FDC-08022-OHAA
φ 8.5	φ 0.335	-	FDC-08509-OHAA	FDC-08512-OHAA	FDC-08516-OHAA	FDC-08522-OHAA
φ 9.0	φ 0.354	-	FDC-09009-OHAA	FDC-09012-OHAA	FDC-09016-OHAA	FDC-09022-OHAA
φ 9.5	φ 0.374	-	-	FDC-09512-OHAA	FDC-09516-OHAA	FDC-09522-OHAA
φ 9.6 (3/8")	φ 0.375	-	-	FDC-09612-OHAA	FDC-09616-OHAA	FDC-09622-OHAA
φ 10.0	φ 0.394	-	-	FDC-10012-OHAA	FDC-10016-OHAA	FDC-10022-OHAA
φ 10.2	φ 0.402	-	-	FDC-10212-OHAA	FDC-10216-OHAA	FDC-10222-OHAA
φ 10.5	φ 0.413	-	-	FDC-10512-OHAA	FDC-10516-OHAA	FDC-10522-OHAA
φ 11.0	φ 0.433	-	-	FDC-11012-OHAA	FDC-11016-OHAA	FDC-11022-OHAA
φ 11.2 (7/16")	φ 0.437	-	-	FDC-11212-OHAA	FDC-11216-OHAA	FDC-11222-OHAA
φ 11.5	φ 0.453	-	-	FDC-11512-OHAA	FDC-11516-OHAA	FDC-11522-OHAA
φ 12.0	φ 0.472	-	-	FDC-12012-OHAA	FDC-12016-OHAA	FDC-12022-OHAA
φ 12.5	-	-	-	-	FDC-12516-OHAA	FDC-12522-OHAA
φ 12.7 (1/2")	φ 0.500	-	-	-	FDC-12516-OHAA	FDC-12522-OHAA
φ 13.0	φ 0.512	-	-	-	FDC-13016-OHAA	FDC-13022-OHAA
φ 13.5	-	-	-	-	FDC-13516-OHAA	FDC-13522-OHAA
φ 14.0	-	-	-	-	FDC-14016-OHAA	FDC-14022-OHAA
φ 14.5	-	-	-	-	FDC-14516-OHAA	FDC-14522-OHAA
φ 15.0	-	-	-	-	FDC-15016-OHAA	FDC-15022-OHAA
φ 15.5	-	-	-	-	FDC-15516-OHAA	FDC-15522-OHAA
φ 16.0 (5/8")	φ 0.630	-	-	-	FDC-16016-OHAA	FDC-16022-OHAA
φ 16.5	-	-	-	-	-	FDC-16522-OHAA
φ 17.0	-	-	-	-	-	FDC-17022-OHAA
φ 17.5	-	-	-	-	-	FDC-17522-OHAA
φ 18.0	φ 0.709	-	-	-	-	FDC-18022-OHAA
φ 18.5	-	-	-	-	-	FDC-18522-OHAA
φ 19.0	-	-	-	-	-	FDC-19022-OHAA
φ 19.1 (3/4")	φ 0.750	-	-	-	-	FDC-19122-OHAA
φ 19.5	-	-	-	-	-	FDC-19522-OHAA
φ 20.0	φ 0.787	-	-	-	-	FDC-20022-OHAA
φ 20.5	-	-	-	-	-	FDC-20522-OHAA
φ 21.0	-	-	-	-	-	FDC-21022-OHAA
φ 21.5	-	-	-	-	-	FDC-21522-OHAA
φ 22.0	φ 0.866	-	-	-	-	FDC-22022-OHAA

- 1.OHAA Coolant collets collapse by 0.1mm.
- 2.Collet sizes not listed above are available upon request.

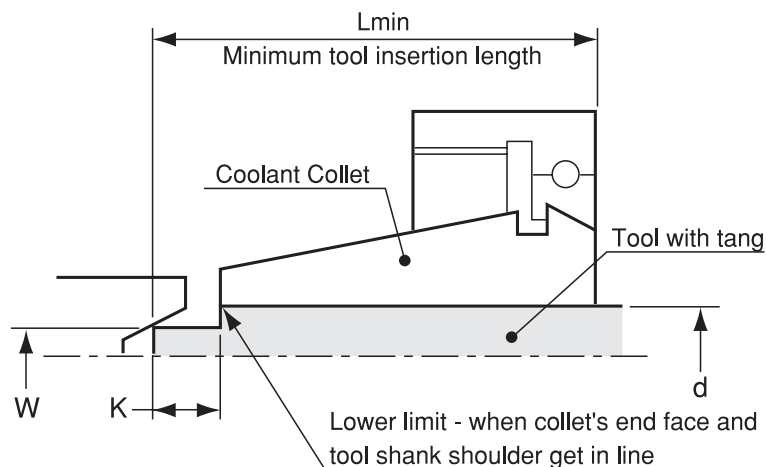
Accuracy (4 × d)	AA (5μm)
	A (10μm)

### Ordering Example

**FDC - 060 12 - OH 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		
<b>ER8</b>	<b>ø1.8~5.0</b>	L min value when using tool with tang	20.5	19	-	-	-	-	-	-	-	-	-	-	
<b>ER11</b>	<b>ø3.0~7.0</b>		23	22	24	22	26	23	-	-	-	-	-	-	
<b>FDC07</b>	<b>ø3.0~7.0</b>		23	22	24	22	26	23	-	-	-	-	-	-	
<b>FDC09</b>	<b>ø3.0~9.0</b>		28	27	29	27	31	28	-	-	-	-	-	-	
<b>FDC12</b>	<b>ø3.0~12.0</b>		33	33	33.5	33	35.5	33	35.5	33	-	-	-	-	
<b>FDC16</b>	<b>ø6.0~16.0</b>		-	-	38.5	38	40.5	38	40.5	38	42.5	38	-	-	
<b>FDC22</b>	<b>ø6.0~22.0</b>		-	-	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