

High-Precision Collet

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	Tool shank dia.		Model				
	mm (inch)	inch	FDC-07	FDC-09	FDC-12	FDC-16	FDC-22
	φ 1.0 ~ 0.5	φ 0.039 ~ 0.020	FDC-01007	—	—	—	—
	φ 1.5 ~ 1.0	φ 0.059 ~ 0.039	FDC-01507	—	—	—	—
	φ 2.0 ~ 1.5	φ 0.079 ~ 0.059	FDC-02007	—	—	—	—
	φ 2.5 ~ 2.0	φ 0.098 ~ 0.079	FDC-02507	—	—	—	—
	φ 3.0 ~ 2.5	φ 0.118 ~ 0.098	FDC-03007	FDC-03009	FDC-03012	—	—
	φ 3.5 ~ 3.0 (1/8")	φ 0.138 ~ 0.118	FDC-03507	FDC-03509	FDC-03512	—	—
	φ 4.0 ~ 3.5	φ 0.157 ~ 0.138	FDC-04007	FDC-04009	FDC-04012	FDC-04016	FDC-04022
	φ 4.5 ~ 4.0	φ 0.177 ~ 0.157	FDC-04507	FDC-04509	FDC-04512	FDC-04516	FDC-04522
	φ 5.0 ~ 4.5 (3/16")	φ 0.197 ~ 0.177	FDC-05007	FDC-05009	FDC-05012	FDC-05016	FDC-05022
	φ 5.5 ~ 5.0	φ 0.217 ~ 0.197	FDC-05507	FDC-05509	FDC-05512	FDC-05516	FDC-05522
	φ 6.0 ~ 5.5	φ 0.236 ~ 0.217	FDC-06007	FDC-06009	FDC-06012	FDC-06016	FDC-06022
	φ 6.5 ~ 6.0 (1/4")	φ 0.256 ~ 0.236	FDC-06507	FDC-06509	FDC-06512	FDC-06516	FDC-06522
	φ 7.0 ~ 6.5	φ 0.276 ~ 0.256	FDC-07007	FDC-07009	FDC-07012	FDC-07016	FDC-07022
	φ 7.5 ~ 7.0	φ 0.295 ~ 0.276	—	FDC-07509	FDC-07512	FDC-07516	FDC-07522
	φ 8.0 ~ 7.5 (5/16")	φ 0.315 ~ 0.295	—	FDC-08009	FDC-08012	FDC-08016	FDC-08022
	φ 8.5 ~ 8.0	φ 0.335 ~ 0.315	—	FDC-08509	FDC-08512	FDC-08516	FDC-08522
	φ 9.0 ~ 8.5	φ 0.354 ~ 0.335	—	FDC-09009	FDC-09012	FDC-09016	FDC-09022
	φ 9.5 ~ 9.0	φ 0.374 ~ 0.354	—	—	FDC-09512	FDC-09516	FDC-09522
	φ 10.0 ~ 9.5 (3/8")	φ 0.394 ~ 0.374	—	—	FDC-10012	FDC-10016	FDC-10022
	φ 10.5 ~ 10.0	φ 0.413 ~ 0.394	—	—	FDC-10512	FDC-10516	FDC-10522
	φ 11.0 ~ 10.5	φ 0.433 ~ 0.413	—	—	FDC-11012	FDC-11016	FDC-11022
	φ 11.5 ~ 11.0 (7/16")	φ 0.453 ~ 0.433	—	—	FDC-11512	FDC-11516	FDC-11522
	φ 12.0 ~ 11.5	φ 0.472 ~ 0.453	—	—	FDC-12012	FDC-12016	FDC-12022
	φ 12.5 ~ 12.0	φ 0.492 ~ 0.472	—	—	—	FDC-12516	FDC-12522
	φ 13.0 ~ 12.5 (1/2")	φ 0.512 ~ 0.492	—	—	—	FDC-13016	FDC-13022
	φ 13.5 ~ 13.0	φ 0.531 ~ 0.512	—	—	—	FDC-13016	FDC-13022
	φ 14.0 ~ 13.5	φ 0.551 ~ 0.531	—	—	—	FDC-14016	FDC-14022
	φ 14.5 ~ 14.0	φ 0.571 ~ 0.551	—	—	—	FDC-14016	FDC-14022
	φ 15.0 ~ 14.5	φ 0.591 ~ 0.571	—	—	—	FDC-15016	FDC-15022
	φ 15.5 ~ 15.0	φ 0.610 ~ 0.591	—	—	—	FDC-15516	FDC-15522
	φ 16.0 ~ 15.5 (5/8")	φ 0.630 ~ 0.610	—	—	—	FDC-16016	FDC-16022
	φ 16.5 ~ 16.0	φ 0.650 ~ 0.630	—	—	—	—	FDC-16522
	φ 17.0 ~ 16.5	φ 0.669 ~ 0.650	—	—	—	—	FDC-17022
	φ 17.5 ~ 17.0	φ 0.689 ~ 0.669	—	—	—	—	FDC-17522
	φ 18.0 ~ 17.5	φ 0.709 ~ 0.689	—	—	—	—	FDC-18022
	φ 18.5 ~ 18.0	φ 0.728 ~ 0.709	—	—	—	—	FDC-18522
	φ 19.0 ~ 18.5	φ 0.748 ~ 0.728	—	—	—	—	FDC-19022
	φ 19.5 ~ 19.0 (3/4")	φ 0.768 ~ 0.748	—	—	—	—	FDC-19522
	φ 20.0 ~ 19.5	φ 0.787 ~ 0.768	—	—	—	—	FDC-20022
	φ 20.5 ~ 20.0	φ 0.807 ~ 0.787	—	—	—	—	FDC-20522
	φ 21.0 ~ 20.5	φ 0.827 ~ 0.807	—	—	—	—	FDC-21022
	φ 21.5 ~ 21.0	φ 0.846 ~ 0.827	—	—	—	—	FDC-21522
	φ 22.0 ~ 21.5	φ 0.866 ~ 0.846	—	—	—	—	FDC-22022

Selection example of collet

To clamp φ10.0 tool shank, there are 2 collets, φ10.0 and φ10.5 collets. We suggest you select φ10.0 collet for higher accuracy. AA Collets collapse by 0.5mm.

Accuracy
(4 × d)

AA
(5μm)

A
(10μm)

Ordering Example

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