



FDC-AA

High-Precision Collet

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

Tool shank dia.		Model
mm	inch	FDC-32
φ 20.5 ~ 20.0	φ 0.807 ~ 0.787	FDC-20532
φ 21.0 ~ 20.5	φ 0.827 ~ 0.807	FDC-21032
φ 21.5 ~ 21.0	φ 0.846 ~ 0.827	FDC-21532
φ 22.0 ~ 21.5	φ 0.866 ~ 0.846	FDC-22032
φ 22.5 ~ 22.0	φ 0.886 ~ 0.866	FDC-22532
φ 23.0 ~ 22.5	φ 0.906 ~ 0.886	FDC-23032
φ 23.5 ~ 23.0	φ 0.925 ~ 0.906	FDC-23532
φ 24.0 ~ 23.5	φ 0.945 ~ 0.925	FDC-24032
φ 24.5 ~ 24.0	φ 0.965 ~ 0.945	FDC-24532
φ 25.0 ~ 24.5	φ 0.984 ~ 0.965	FDC-25032
φ 25.5 ~ 25.0	φ 1.004 ~ 0.984	FDC-25532
φ 26.0 ~ 25.5	φ 1.024 ~ 1.004	FDC-26032
φ 26.5 ~ 26.0	φ 1.043 ~ 1.024	FDC-26532
φ 27.0 ~ 26.5	φ 1.063 ~ 1.043	FDC-27032
φ 27.5 ~ 27.0	φ 1.083 ~ 1.063	FDC-27532
φ 28.0 ~ 27.5	φ 1.102 ~ 1.083	FDC-28032
φ 28.5 ~ 28.0	φ 1.122 ~ 1.102	FDC-28532
φ 29.0 ~ 28.5	φ 1.142 ~ 1.122	FDC-29032
φ 29.5 ~ 29.0	φ 1.161 ~ 1.142	FDC-29532
φ 30.0 ~ 29.5	φ 1.181 ~ 1.161	FDC-30032
φ 30.5 ~ 30.0	φ 1.201 ~ 1.181	FDC-30532
φ 31.0 ~ 30.5	φ 1.220 ~ 1.201	FDC-31032
φ 31.5 ~ 31.0	φ 1.240 ~ 1.220	FDC-31532
φ 32.0 ~ 31.5	φ 1.260 ~ 1.240	FDC-32032

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.

Accuracy
(4 × d)

AA
(5μm)

Ordering Example

FDC - 060 12 AA

Max. chucking dia. | Accuracy
12 Series

FDC-OH

High-Precision Collet (For Tool With Coolant Hole)

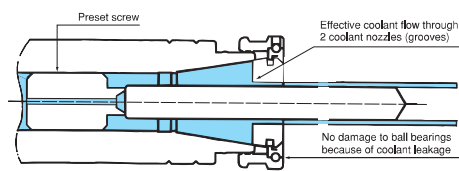
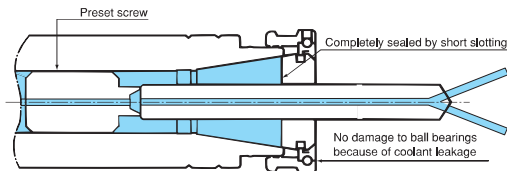
FDC-C

High-Precision Collet (For Collet Through)

Accuracy
(4 × d)

AA
(5μm)

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



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

Ordering Example

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

Ordering Example

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