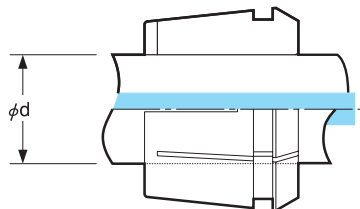


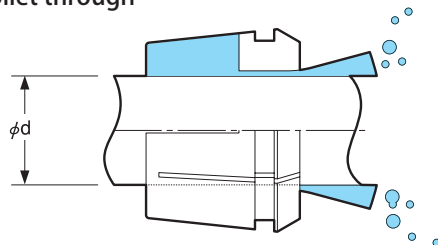
FSC-OH

For tool with coolant hole



FSC-C

For Collet through



Tool Shank Dia.		Size	Code
ϕd (inch)	ϕd (mm)		
ϕ 0.141	ϕ 3.6	FSC-09-3.6-OH	—
ϕ 0.168	ϕ 4.3	FSC-09-4.3-OH	1334 00104309
ϕ 0.194	ϕ 5.0	FSC-09-5.0-OH	1334 00105009
ϕ 0.220	ϕ 5.6	FSC-09-5.6-OH	1334 00105609
ϕ 0.216	ϕ 5.5	FSC-09-5.5-OH	1334 00105509
ϕ 0.236	ϕ 6.0	FSC-09-6.0-OH	1334 00106009
ϕ 0.240	ϕ 6.1	FSC-09-6.1-OH	1334 00106109
ϕ 0.244	ϕ 6.2	FSC-09-6.2-OH	1334 00106209
ϕ 0.255	ϕ 6.5	FSC-09-6.5-OH	1334 00106509
ϕ 0.275	ϕ 7.0	FSC-09-7.0-OH	1334 00107009
ϕ 0.314	ϕ 8.0	FSC-09-8.0-OH	1334 00108009
ϕ 0.313	ϕ 8.0	FSC-09-8.0-OH	1334 00108009
ϕ 0.318	ϕ 8.1	FSC-09-8.1-OH	1334 00108109
ϕ 0.323	ϕ 8.3	FSC-09-8.3-OH	1334 00108309
ϕ 0.334	ϕ 8.5	FSC-09-8.5-OH	1334 00108509
ϕ 0.354	ϕ 9.0	FSC-16-9.0-OH	1334 00109016
ϕ 0.367	ϕ 9.4	FSC-16-9.4-OH	1334 00109416
ϕ 0.374	ϕ 9.5	FSC-16-9.5-OH	1334 00109516
ϕ 0.381	ϕ 9.7	FSC-16-9.7-OH	1334 00109716
ϕ 0.393	ϕ 10.0	FSC-16-10.0-OH	1334 00110016
ϕ 0.413	ϕ 10.5	FSC-16-10.5-OH	1334 00110516
ϕ 0.429	ϕ 10.9	FSC-16-10.9-OH	1334 00110916
ϕ 0.433	ϕ 11.0	FSC-16-11.0-OH	1334 00111016
ϕ 0.437	ϕ 11.1	FSC-16-11.1-OH	1334 00111116
ϕ 0.472	ϕ 12.0	FSC-16-12.0-OH	1334 00112016
ϕ 0.480	ϕ 12.2	FSC-16-12.2-OH	1334 00112216
ϕ 0.492	ϕ 12.5	FSC-16-12.5-OH	1334 00112516
ϕ 0.511	ϕ 13.0	FSC-16-13.0-OH	1334 00113016
ϕ 0.542	ϕ 13.8	FSC-16-13.8-OH	1334 00113816
ϕ 0.551	ϕ 14.0	FSC-16-14.0-OH	1334 00114016
ϕ 0.562	ϕ 14.3	FSC-16-14.3-OH	1334 00114316
ϕ 0.590	ϕ 15.0	FSC-22-15.0-OH	1334 00115022
ϕ 0.629	ϕ 16.0	FSC-22-16.0-OH	1334 00116022
ϕ 0.652	ϕ 16.6	FSC-22-16.6-OH	1334 00116622
ϕ 0.669	ϕ 17.0	FSC-22-17.0-OH	1334 00117022
ϕ 0.697	ϕ 17.8	FSC-22-17.8-OH	1334 00117822
ϕ 0.700	ϕ 17.8	FSC-22-17.8-OH	1334 00117822
ϕ 0.708	ϕ 18.0	FSC-22-18.0-OH	1334 00118022
ϕ 0.748	ϕ 19.0	FSC-22-19.0-OH	1334 00119022
ϕ 0.800	ϕ 20.4	FSC-22-20.4-OH	1334 00120422
ϕ 0.787	ϕ 20.0	FSC-22-20.0-OH	1334 00120022
ϕ 0.826	ϕ 21.0	FSC-22-21.0-OH	1334 00121022
ϕ 0.866	ϕ 22.0	FSC-22-22.0-OH	1334 00122022
ϕ 0.905	ϕ 23.0	FSC-22-23.0-OH	1334 00123022

Tool Shank Dia.		Size	Code
ϕd (inch)	ϕd (mm)		
ϕ 0.141	ϕ 3.6	FSC-09-3.6-C	—
ϕ 0.168	ϕ 4.3	FSC-09-4.3-C	1335 00104309
ϕ 0.194	ϕ 5.0	FSC-09-5.0-C	1335 00105009
ϕ 0.220	ϕ 5.6	FSC-09-5.6-C	1335 00105609
ϕ 0.216	ϕ 5.5	FSC-09-5.5-C	1335 00105509
ϕ 0.236	ϕ 6.0	FSC-09-6.0-C	1335 00106009
ϕ 0.240	ϕ 6.1	FSC-09-6.1-C	1335 00106109
ϕ 0.244	ϕ 6.2	FSC-09-6.2-C	1335 00106209
ϕ 0.255	ϕ 6.5	FSC-09-6.5-C	1335 00106509
ϕ 0.275	ϕ 7.0	FSC-09-7.0-C	1335 00107009
ϕ 0.314	ϕ 8.0	FSC-09-8.0-C	1335 00108009
ϕ 0.313	ϕ 8.0	FSC-09-8.0-C	1335 00108009
ϕ 0.318	ϕ 8.1	FSC-09-8.1-C	1335 00108109
ϕ 0.323	ϕ 8.3	FSC-09-8.3-C	1335 00108309
ϕ 0.334	ϕ 8.5	FSC-09-8.5-C	1335 00108509
ϕ 0.354	ϕ 9.0	FSC-16-9.0-C	1335 00109016
ϕ 0.367	ϕ 9.4	FSC-16-9.4-C	1335 00109416
ϕ 0.374	ϕ 9.5	FSC-16-9.5-C	1335 00109516
ϕ 0.381	ϕ 9.7	FSC-16-9.7-C	1335 00109716
ϕ 0.393	ϕ 10.0	FSC-16-10.0-C	1335 00110016
ϕ 0.413	ϕ 10.5	FSC-16-10.5-C	1335 00110516
ϕ 0.429	ϕ 10.9	FSC-16-10.9-C	1335 00110916
ϕ 0.433	ϕ 11.0	FSC-16-11.0-C	1335 00111016
ϕ 0.437	ϕ 11.1	FSC-16-11.1-C	1335 00111116
ϕ 0.472	ϕ 12.0	FSC-16-12.0-C	1335 00112016
ϕ 0.480	ϕ 12.2	FSC-16-12.2-C	1335 00112216
ϕ 0.492	ϕ 12.5	FSC-16-12.5-C	1335 00112516
ϕ 0.511	ϕ 13.0	FSC-16-13.0-C	1335 00113016
ϕ 0.542	ϕ 13.8	FSC-16-13.8-C	1335 00113816
ϕ 0.551	ϕ 14.0	FSC-16-14.0-C	1335 00114016
ϕ 0.562	ϕ 14.3	FSC-16-14.3-C	1335 00114316
ϕ 0.590	ϕ 15.0	FSC-22-15.0-C	1335 00115022
ϕ 0.629	ϕ 16.0	FSC-22-16.0-C	1335 00116022
ϕ 0.652	ϕ 16.6	FSC-22-16.6-C	1335 00116622
ϕ 0.669	ϕ 17.0	FSC-22-17.0-C	1335 00117022
ϕ 0.697	ϕ 17.8	FSC-22-17.8-C	1335 00117822
ϕ 0.700	ϕ 17.8	FSC-22-17.8-C	1335 00117822
ϕ 0.708	ϕ 18.0	FSC-22-18.0-C	1335 00118022
ϕ 0.748	ϕ 19.0	FSC-22-19.0-C	1335 00119022
ϕ 0.800	ϕ 20.4	FSC-22-20.4-C	1335 00120422
ϕ 0.787	ϕ 20.0	FSC-22-20.0-C	1335 00120022
ϕ 0.826	ϕ 21.0	FSC-22-21.0-C	1335 00121022
ϕ 0.866	ϕ 22.0	FSC-22-22.0-C	1335 00122022
ϕ 0.905	ϕ 23.0	FSC-22-23.0-C	1335 00123022

OH type shall be selected in case not utilizing coolant through from the machine spindle.

Ordering Example

FSC - 16 - 9.0 - OH
 16 Series Tool Shank Dia.

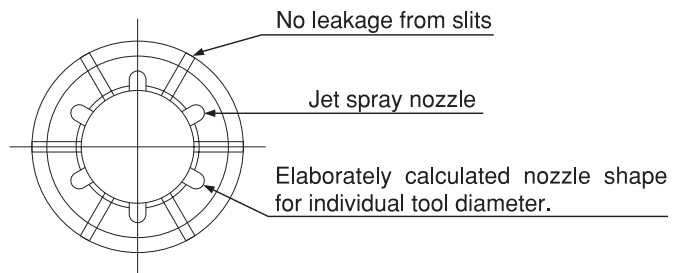
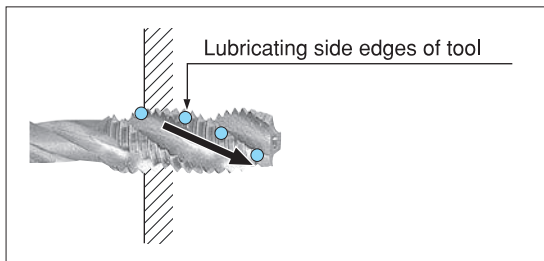
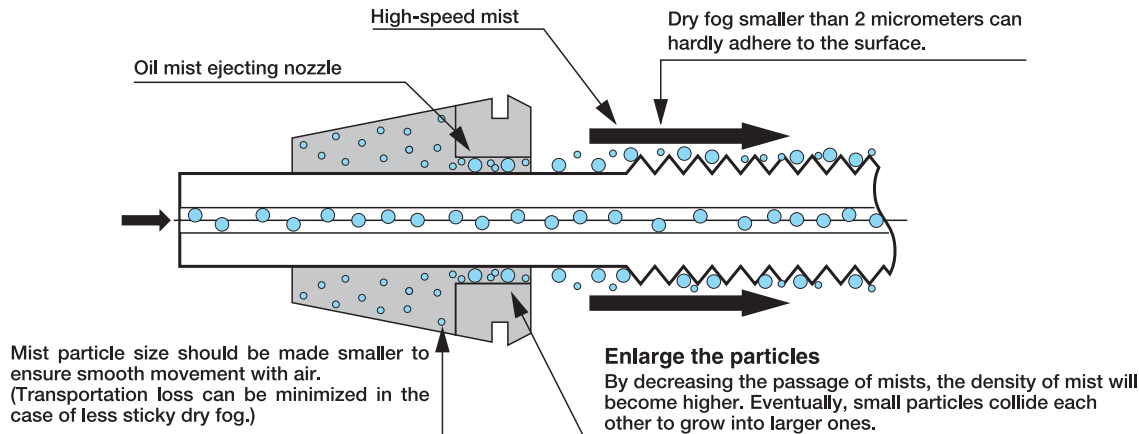
Ordering Example

FSC - 16 - 9.0 - C
 16 Series Tool Shank Dia.

FSC-MS

High-Precision Collet for Tapper (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 FSC-MS	
	Size	Code
ø 5.0	FSC-09-5.0-MS	1336 00105009
ø 5.5	FSC-09-5.5-MS	1336 00105509
ø 6.0	FSC-09-6.0-MS	1336 00106009
ø 6.1	FSC-09-6.1-MS	1336 00106109
ø 6.2	FSC-09-6.2-MS	1336 00106209
ø 7.0	FSC-09-7.0-MS	1336 00107009
ø 8.0	FSC-09-8.0-MS	1336 00108009
ø 8.5	FSC-09-8.5-MS	1336 00108509
ø 9.0	FSC-16-9.0-MS	1336 00109016
ø 9.5	FSC-16-9.5-MS	1336 00109516
ø 10.0	FSC-16-10.0-MS	1336 00110016
ø 10.5	FSC-16-10.5-MS	1336 00110516
ø 11.0	FSC-16-11.0-MS	1336 00111016

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

Tool Shank Dia.	Model FSC-MS	
	Size	Code
ø 12.0	FSC-16-12.0-MS	1336 00112016
ø 12.5	FSC-16-12.5-MS	1336 00112516
ø 13.0	FSC-16-13.0-MS	1336 00113016
ø 14.0	FSC-16-14.0-MS	1336 00114016
ø 15.0	FSC-22-15.0-MS	1336 00115022
ø 16.0	FSC-22-16.0-MS	1336 00116022
ø 17.0	FSC-22-17.0-MS	1336 00117022
ø 18.0	FSC-22-18.0-MS	1336 00118022
ø 19.0	FSC-22-19.0-MS	1336 00119022
ø 20.0	FSC-22-20.0-MS	1336 00120022
ø 21.0	FSC-22-21.0-MS	1336 00121022
ø 22.0	FSC-22-22.0-MS	1336 00122022
ø 23.0	FSC-22-23.0-MS	1336 00123022

Ordering Example

FSC - 09 - 5.0 - MS

09 Series Tool Shank Dia.