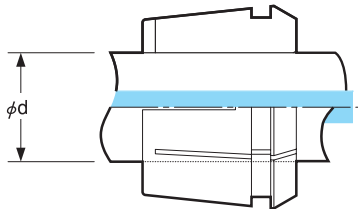


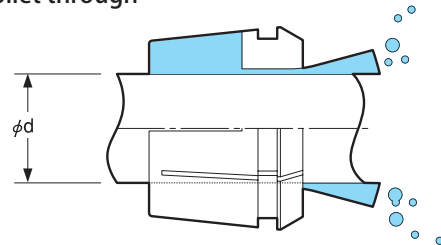
FSC-OH

For tool with coolant hole



FSC-C

For Collet through



Tool Shank Dia.	Size	Code	
			ϕd (inch)
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)
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.

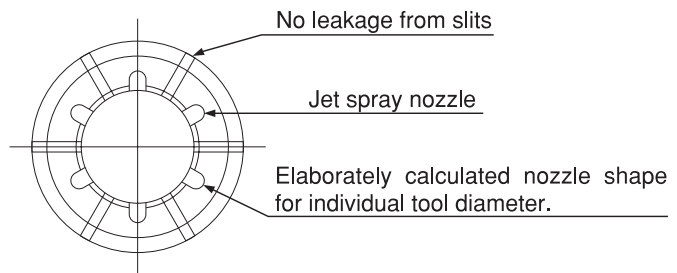
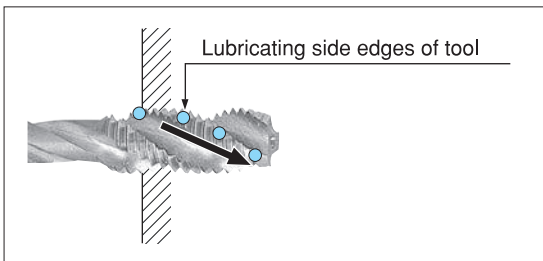
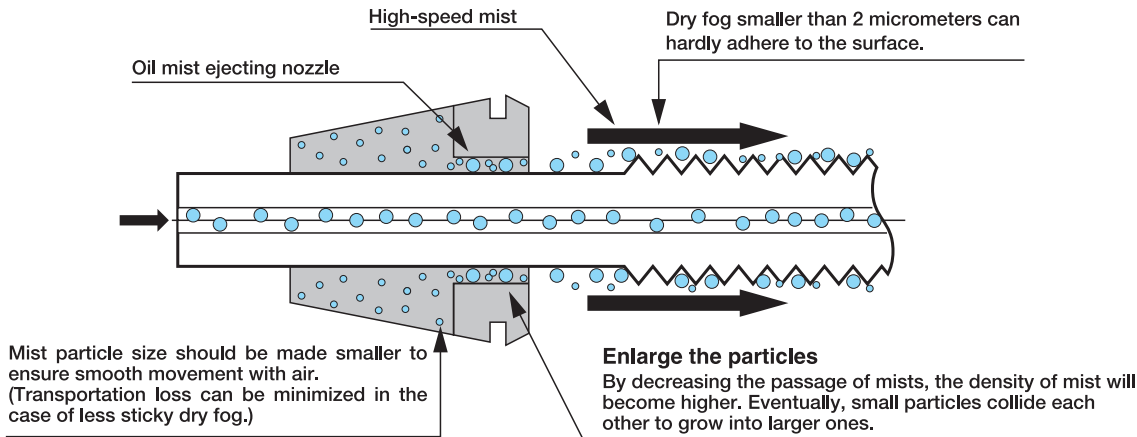
Ordering Example

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

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

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.

Ordering Example

FSC - 09 - 5.0 - MS

09 Series Tool Shank Dia.