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MS21209 — helical coil screw thread insert, coarse and fine

Insert, Screw Thread, Helical Coil: part numbers and the sizes commonly stocked.



MS21209

Specification

Item	Value
Type	Helical coil insert
Status	Check the current issue before design use.

Part numbers

.086-56 4 part numbers

Part no.	Nominal length, in	Length, x diameter	Thread series
MS21209C0210	.086	1	Coarse
MS21209C0215	.129	1.5	Coarse
MS21209C0220	.172	2	Coarse
MS21209C0225	.215	2.5	Coarse

.112-40 12 part numbers

Part no.	Nominal length, in	Length, x diameter	Thread series
MS21209C0410	.112	1	Coarse
MS21209C0410L	.112	1	Coarse
MS21209C0410P	.112	1	Coarse
MS21209C0415	.168	1.5	Coarse
MS21209C0415L	.168	1.5	Coarse
MS21209C0415P	.168	1.5	Coarse
MS21209C0420	.224	2	Coarse
MS21209C0420L	.224	2	Coarse
MS21209C0420P	.224	2	Coarse
MS21209C0425	.280	2.5	Coarse
MS21209C0425L	.280	2.5	Coarse
MS21209C0425P	.280	2.5	Coarse

.138-32 12 part numbers

Part no.	Nominal length, in	Length, x diameter	Thread series
MS21209C0610	.138	1	Coarse
MS21209C0610L	.138	1	Coarse
MS21209C0610P	.138	1	Coarse
MS21209C0615	.207	1.5	Coarse
MS21209C0615L	.207	1.5	Coarse
MS21209C0615P	.207	1.5	Coarse
MS21209C0620	.276	2	Coarse
MS21209C0620L	.276	2	Coarse
MS21209C0620P	.276	2	Coarse
MS21209C0625	.345	2.5	Coarse
MS21209C0625L	.345	2.5	Coarse
MS21209C0625P	.345	2.5	Coarse

.164-32 12 part numbers

Part no.	Nominal length, in	Length, x diameter	Thread series
MS21209C0810	.164	1	Coarse
MS21209C0810L	.164	1	Coarse
MS21209C0810P	.164	1	Coarse
MS21209C0815	.246	1.5	Coarse
MS21209C0815L	.246	1.5	Coarse
MS21209C0815P	.246	1.5	Coarse
MS21209C0820	.328	2	Coarse
MS21209C0820L	.328	2	Coarse
MS21209C0820P	.328	2	Coarse
MS21209C0825	.410	2.5	Coarse
MS21209C0825L	.410	2.5	Coarse
MS21209C0825P	.410	2.5	Coarse

.190-24 4 part numbers

Part no.	Nominal length, in	Length, x diameter	Thread series
MS21209C1-10	.190	1	Coarse
MS21209C1-15	.285	1.5	Coarse
MS21209C1-20	.380	2	Coarse
MS21209C1-25	.475	2.5	Coarse

.250-20 4 part numbers

Part no.	Nominal length, in	Length, x diameter	Thread series
MS21209C4-10	.250	1	Coarse
MS21209C4-15	.375	1.5	Coarse
MS21209C4-20	.500	2	Coarse
MS21209C4-25	.625	2.5	Coarse

.138-40 4 part numbers

Part no.	Nominal length, in	Length, x diameter	Thread series
MS21209F0610	.138	1	Fine
MS21209F0615	.207	1.5	Fine
MS21209F0620	.276	2	Fine
MS21209F0625	.345	2.5	Fine

.164-36 4 part numbers

Part no.	Nominal length, in	Length, x diameter	Thread series
MS21209F0810	.164	1	Fine
MS21209F0815	.246	1.5	Fine
MS21209F0820	.328	2	Fine
MS21209F0825	.410	2.5	Fine

Reference data. The aircraft manufacturer's documentation (SRM / IPC) takes precedence.

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.190-32 12 part numbers

Part no.	Nominal length, in	Length, x diameter	Thread series
MS21209F1-10	.190	1	Fine
MS21209F1-10L	.190	1	Fine
MS21209F1-10P	.190	1	Fine
MS21209F1-15	.285	1.5	Fine
MS21209F1-15L	.285	1.5	Fine
MS21209F1-15P	.285	1.5	Fine
MS21209F1-20	.380	2	Fine
MS21209F1-20L	.380	2	Fine
MS21209F1-20P	.380	2	Fine
MS21209F1-25	.475	2.5	Fine
MS21209F1-25L	.475	2.5	Fine
MS21209F1-25P	.475	2.5	Fine

.250-28 12 part numbers

Part no.	Nominal length, in	Length, x diameter	Thread series
MS21209F4-10	.250	1	Fine
MS21209F4-10L	.250	1	Fine
MS21209F4-10P	.250	1	Fine
MS21209F4-15	.375	1.5	Fine
MS21209F4-15L	.375	1.5	Fine
MS21209F4-15P	.375	1.5	Fine
MS21209F4-20	.500	2	Fine
MS21209F4-20L	.500	2	Fine
MS21209F4-20P	.500	2	Fine
MS21209F4-25	.625	2.5	Fine
MS21209F4-25L	.625	2.5	Fine
MS21209F4-25P	.625	2.5	Fine

.3125-24 4 part numbers

Part no.	Nominal length, in	Length, x diameter	Thread series
MS21209F5-10	.312	1	Fine
MS21209F5-15	.469	1.5	Fine
MS21209F5-20	.625	2	Fine
MS21209F5-25	.781	2.5	Fine

.375-24 4 part numbers

Part no.	Nominal length, in	Length, x diameter	Thread series
MS21209F6-10	.375	1	Fine
MS21209F6-15	.562	1.5	Fine
MS21209F6-20	.750	2	Fine
MS21209F6-25	.938	2.5	Fine

How to read the part number

Part	Meaning
C	Letter: Coarse thread
F	Letter: Fine thread
L	Letter: After the number: dry film lube
P	Letter: After the number: cadmium plating
Example	MS21209C0420 — Coarse thread, .112-40, 2 x diameter long

Notes

- C indicates coarse thread, F fine thread, L dry film lube, P cadmium plating.
- Lengths are nominal, as listed. L and P versions appear in the listing only for the sizes shown.

SOURCES · MS21209 — Insert, Screw Thread, Helical Coil

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/inserts/ms21209/

Reference data. The aircraft manufacturer's documentation (SRM / IPC) takes precedence.