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MM-303 — micro stop countersinking units, 10-32 to 7/16-20

Martin MM-303 series micro stop countersinking units: cutter threads, capacities and speeds of every model, read from the maker's catalogue.

Specification

Item	Value
Type	Microstop countersink cage
Maker	Martin Aircraft Tool, Zephyr Tool Group
Depth adjustment	Positive locking in increments of .001, by hand, with a locking ring
Metric spindles	6 mm on MM-303 and MM-303-HS, 8 mm on MM-303-M and MM-303-J, 10 mm on MM-303-SJ, on request
Status	Maker's catalogue, read 30 Oct 2026. Check the current catalogue before you order.

Part numbers

Part no.	Size	Cutter thread	Max. cutter dia.	Max. RPM	B	C	D	L
MM-303	MM-303	1/4"-28	5/8"	3,000	—	—	—	—
MM-303-HS	MM-303-HS	1/4"-28	5/8"	5,000	—	—	—	—
MM-303-M	MM-303-M	3/8"-24	7/8"	3,000	—	—	—	—
MM-303-J	MM-303-J	3/8"-24	1-1/4"	3,000	—	—	—	—
MM-303-SJ	MM-303-SJ	7/16"-20	1-1/2"	3,000	—	—	—	—
MM-303-EXFT-1	EXFT-1	10-32	.250	—	.275	.375	—	—
MM-303-EXFT-2	EXFT-2	1/4-28	.300	—	.325	.425	—	—
MM-303-EXFT-3	EXFT-3	1/4-28	.375	—	.400	.500	—	—
MM-303-EXFT-4	EXFT-4	1/4-28	.562	—	.656	.750	—	—
MM-303S-1	MM-303S-1	1/4-28	7/16"	—	—	—	11/16"	3-3/16"
MM-303S-5	MM-303S-5	1/4-28	3/8"	—	—	—	11/16"	3-3/16"

Every model in the catalogue. A dash means the catalogue does not state it. B, C, D and L are the letters of its drawings: B and C at the extended footpiece, D and L on the midget model.

What each code means

Part	Meaning
MM-303-1	Skirt: Closed, max cutter diameter 5/8"
MM-303-2	Skirt: Closed, max cutter diameter 3/4"
MM-303-3	Skirt: 2 open sides
MM-303-4	Skirt: 1 open side
MM-303-5A	Skirt: Nylon foot
MM-303-5B	Skirt: Hardened steel foot
MM-303-6	Skirt: 2 open sides, cutter diameter 3/8"
MM-303-9	Skirt: Olympic-type bulb fastener

Notes

- MM-303: full ball bearing for thrust, oilite radial bearing. MM-303-HS: full ball bearing for thrust, roller bearing for spindle support.
- MM-303-EXFT: basic design and adjustments of the MM-303, with an extended foot piece and reduced diameters for hard to reach areas. The drawing shows 2.75" of reach. Its table is printed without the decimal point (250, 275); it is shown here as .250, .275.
- MM-303-M takes 3/8"-24 shank cutters; MM-303-J is the same with a 3/8"-24 spindle; MM-303-SJ is an extra heavy duty unit. MM-303S-5 has a nylon insert on the footpiece.

SOURCES · Martin Aircraft Tool Catalog — Zephyr Tool Group, pages 1 to 4

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/tools/mm-303/

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