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MM-305 — integral pilot countersink cutters, 82° and 100°

Martin MM-305 and MM-305A integral pilot countersinks: tool numbers, cutter diameters, shanks and stock pilots, read from the maker's catalogue.

Specification

Item	Value
Type	Countersink cutter, integral pilot
Material	High speed steel; cobalt and carbide tips available upon request
Maker	Martin Aircraft Tool, Zephyr Tool Group
Angles stocked	82° and 100°
Flutes	MM-305: 2 flutes. MM-305A: 3 flutes

Item	Value
Two flutes for	Aluminum and dural
Three flutes for	Stainless steel and titanium
When ordering	Specify the angle and pilot diameter, and MM-305 for 2-flute or MM-305A for 3-flute
Status	Maker's catalogue, read 30 Oct 2026. Check the current catalogue before you order.

Part numbers

Part no.	Size	Shank	Pilots carried in stock
MM-305-0	5/16"	1/4"-28	3/32, #40, 1/8, #30, 5/32, #21
MM-305-1	3/8"	1/4"-28	3/32, #40, 1/8, #30, 5/32, #21, 3/16, #10
MM-305-2	7/16"	1/4"-28	3/32, #40, 1/8, #30, 5/32, #21, 3/16, #10
MM-305-3	1/2"	1/4"-28	3/32, #40, 1/8, #30, 5/32, #21, 3/16, #10, 7/32, 1/4, F
MM-305-4	5/8"	1/4"-28	1/8, #30, 5/32, #21, 3/16, #10, 7/32, 1/4, F, 5/16
MM-305-5	3/4"	3/8"-24	3/16, #10, 7/32, 1/4, F, 5/16, 3/8
MM-305-6	7/8"	3/8"-24	7/32, 1/4, F, 5/16, 3/8, 7/16
MM-305-7	1"	3/8"-24	7/32, 1/4, F, 5/16, 3/8, 7/16, 1/2
MM-305-8	1-1/8"	3/8"-24	1/4, F, 5/16, 3/8, 7/16, 1/2

Part no.	Size	Shank	Pilots carried in stock
MM-305-9	1-1/4"	3/8"-24	1/4, F, 5/16, 3/8, 7/16, 1/2
MM-305-10	3/4"	7/16"-20	—
MM-305-11	7/8"	7/16"-20	7/32, 1/4, F, 5/16, 3/8, 7/16
MM-305-12	1"	7/16"-20	7/32, 1/4, F, 5/16, 3/8, 7/16, 1/2
MM-305-13	1-1/8"	7/16"-20	1/4, F, 5/16, 3/8, 7/16, 1/2
MM-305-14	1-1/4"	7/16"-20	1/4, F, 5/16, 3/8, 7/16, 1/2
MM-305-15	1-3/8"	7/16"-20	5/16, 3/8, 7/16, 1/2
MM-305-16	1-1/2"	7/16"-20	5/16, 3/8, 7/16, 1/2

Every tool number in the catalogue. D is the cutter diameter. Pilot sizes are the maker's stock list for that body and thread; other pilot diameters are quoted.

Notes

- Catalogue items linked to this sheet match it by type: the seller's listing does not name this maker, so check the listing before you take a value from here.
- The catalogue's stock pilot list has no row for 3/4" × 7/16"-20, so MM-305-10 stays blank there.
- That list also shows bodies with no MM-305 number: 1/4" × 1/4"-28 (pilots 3/32 to #30) and 1-3/8" × 3/8"-24 (pilots 1/4 to 1/2).
- 6, 8 and 10 millimeter threaded shank cutters and special millimeter pilot diameters on request.

SOURCES · Martin Aircraft Tool Catalog — Zephyr Tool Group, pages 5, 6 and 24

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