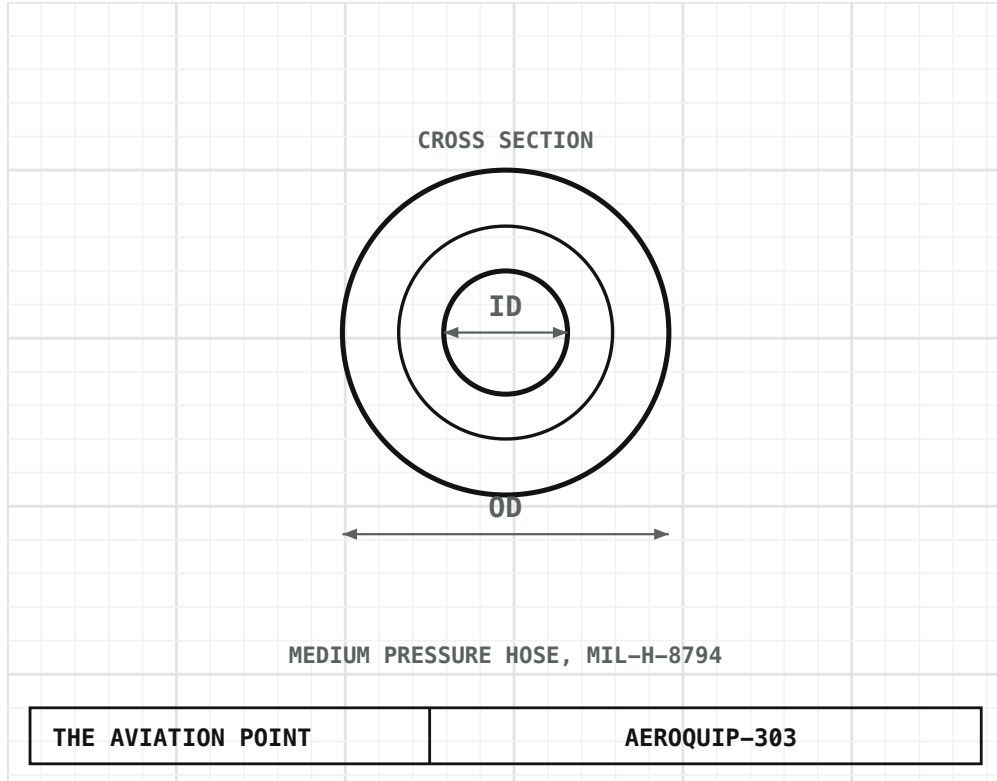
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AEROQUIP-303 — medium pressure hose, MIL-H-8794

Aeroquip 303 hose: dimensions and nominal pressure by size, with its 491 hose fitting.



AEROQUIP-303



Engineering drawing · dimensions in inches

Specification

Item	Value
Type	Hose
Status	Check the current issue of the standard before design use.

Dimensions by size

Dimension, in	-3	-4	-5	-6	-8	-10	-12
ID — Inside dia.	.125	.188	.250	.313	.406	.500	.625
OD — Outside dia.	.453	.516	.578	.672	.766	.922	1.078
P — Nominal pressure, psi	3000	3000	3000	2000	2000	1750	1500
F — Hose fitting	491-3	491-4	491-5	491-6	491-8D	491-10D	491-12D

Dimensions in inches as tabulated in the catalogue listing; the standard governs. Blank cells: not stated in the listing.

Part numbers

Part no.	Size	Inside dia., in	Outside dia., in	Nominal pressure, psi	Hose fitting
303-3	.125	.125	.453	3000	491-3
303-4	.188	.188	.516	3000	491-4
303-5	.250	.250	.578	3000	491-5
303-6	.313	.313	.672	2000	491-6
303-8	.406	.406	.766	2000	491-8D
303-10	.500	.500	.922	1750	491-10D
303-12	.625	.625	1.078	1500	491-12D

Part numbers as listed. The standard governs and may list other sizes.

How to read the part number

Part	Meaning
Format	303-<dash>
Example	303-4 — Hose size -4 (.188 in I.D.)

Notes

- Construction: seamless synthetic rubber inner tube reinforced by a synthetic-impregnated single wire braid over a single cotton braid; outer cover of synthetic impregnated oil-resistant braid.
- Operating temperature -65°F to +250°F. Application: medium pressure hydraulic, pneumatic, fuel, oil and coolant systems (specified in MS33620).
- Identification: grey-black braided cover, yellow marking MIL-H-8794, size, date of manufacture and manufacturer's code; a yellow stripe marked Aeroquip 303 at 90°, markings every 9 inches.
- Pressures in psi, sizes in dash numbers (sixteenths of an inch of hose I.D.), as listed.

SOURCES · AEROQUIP-303 — Aeroquip 303 Medium Pressure Hose

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/fittings/aeroquip-303/

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