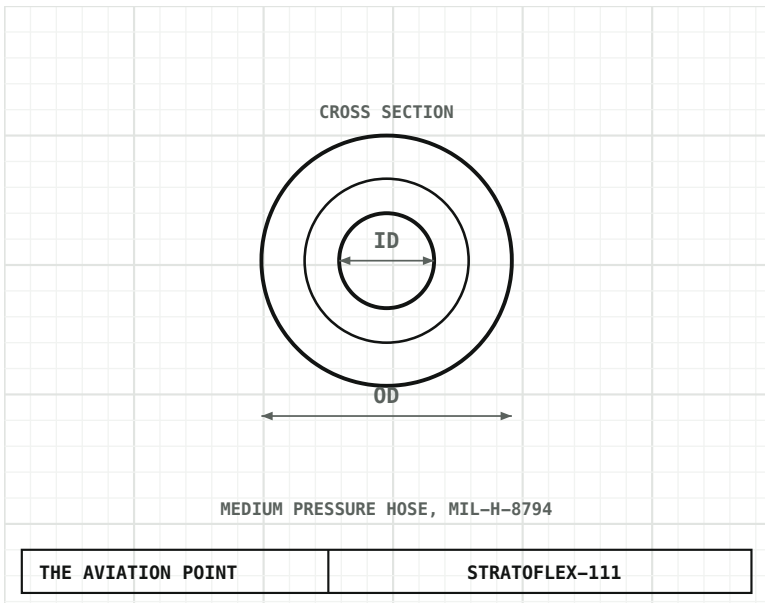
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STRATOFLEX-111 — medium pressure hose, MIL-H-8794

Stratoflex 111 hose: dimensions, nominal pressure, bend radius and assembly numbers by size.



STRATOFLEX-111



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
TS — Tube size	.125	.188	.250	.312	.406	.500
ID — Inside dia.	.125	.188	.250	.312	.406	.500
OD — Outside dia.	.450	.520	.580	.670	.770	.920
P — Nominal pressure, psi	3000	3000	3000	2000	2000	1750
AS — Assembly part no.	111417-3S-L	111417-4S-L	111417-5S-L	111417-6S-L	111417-8D-L	111417-10D-L
FT — Fitting (2 per assembly)	300-3S	300-4S	300-5S	300-6S	300-8D	300-10D
BR — Min. bend radius, in	3.00	3.00	3.38	4.00	4.63	5.50
TH — Fitting thread	.375-24	.4375-20	.500-20	.5625-18	.750-16	.875-14

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

Part numbers

Part no.	Size	Tube size, in	Inside dia., in	Outside dia., in	Nominal pressure, psi
111-3	.125	.125	.125	.450	3000
111-4	.188	.188	.188	.520	3000
111-5	.250	.250	.250	.580	3000
111-6	.312	.312	.312	.670	2000
111-8	.406	.406	.406	.770	2000
111-10	.500	.500	.500	.920	1750

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

How to read the part number

Part	Meaning
Format	111-<dash>
Example	111-4 — Hose size -4 (.188 in I.D.)

Notes

- Construction: seamless synthetic rubber inner tube reinforced by one fiber braid and one high tensile steel wire braid; outer cover of fiber braid impregnated with oil and mildew resistant rubber adhesive.
- Operating temperature -65°F to +250°F. Application: aircraft hydraulic, coolant, pneumatic, oil and fuel systems (specified in MS33620).
- Assembly number: base 111417, size and fitting material code (-8D: D after the size for -8 and larger), assembly length in inches then eighths of an inch (018 5 = 18-5/8 in).
- Pressures in psi, sizes in dash numbers (sixteenths of an inch of hose I.D.), as listed.

SOURCES · STRATOFLEX-111 — Stratoflex 111 Medium Pressure Hose and 111417 Assemblies

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/fittings/stratoflex-111/

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