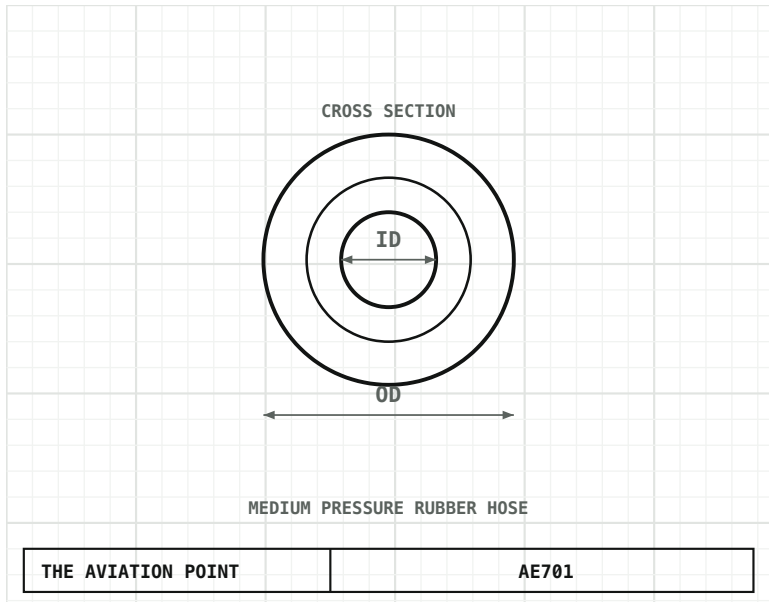
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AE701 — medium pressure rubber hose

601/AE701 Medium Pressure Rubber Hose, Wire Reinforced (and AE501, AE401 covers): dimensions by dash size and part numbers, as listed in a distributor catalogue.



AE701



Engineering drawing · dimensions in inches

Specification

Item	Value
Type	Hose
Status	Hose sizes -3 to -10 as listed; the pn is the hose size designation.

Dimensions by size

Dimension, in	-3	-4	-5	-6	-8	-10
OD — 601/AE701 hose O.D. (max.)	.398	.462	.508	.571	.673	.820
OD5 — AE501 hose O.D. (max.)	—	.550	—	.659	.761	.895
OD4 — AE401 hose O.D. (max.)	—	.755	—	.864	.966	1.11
ID — Hose I.D. (min.)	.141	.204	.266	.329	.415	.539
BR — Min. bend radius, in	1.75	2.00	2.25	2.50	3.50	4.00
OP — Operating, psi	1000	1000	1000	1000	1000	1000
PR — Proof, psi	3000	3000	3000	3000	2500	2500
BU — Min. burst, psi	6000	6000	6000	6000	5000	5000
TH — Fitting thread	.375-24	.4375-20	.500-20	.5625-18	.750-16	.875-14
LC — Size code letter	B	E	F	G	H	J

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

Part numbers

Part no.	Size	601/AE701 O.D. (max.), in	Hose I.D. (min.), in	Fitting thread	Size code
AE701-3	.398	.398	.141	.375-24	B
AE701-4	.462	.462	.204	.4375-20	E
AE701-5	.508	.508	.266	.500-20	F
AE701-6	.571	.571	.329	.5625-18	G
AE701-8	.673	.673	.415	.750-16	H
AE701-10	.820	.820	.539	.875-14	J

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

How to read the part number

Part	Meaning
Format	AE701-<dash>
Example	AE701-6 — Hose size -6

Notes

- Hose sizes -3 to -10. Construction: synthetic rubber inner tube with 2 layers of stainless steel wire braid; fluid temperature -65°F to +300°F; application fuel, oil and coolants. Basic spec MIL-H-83797 (TSO C53a, Type A).
- AE501: 601/AE701 hose overlaid with a polyester chafe cover (Type A). AE401: 601/AE701 hose with an integral silicone rubber fire sleeve (Type C). AE501 and AE401 are not offered in -3 and -5.
- Assembly key AE701XXXX - G - 0185: base number, size code, length in inches (4 digits, the last in eighths). Base numbers: 601/AE701 AE7010000, AE401 AE7013106, AE501 AE7013110, 601/AE701 with AE102 AE7010001.
- Nut, nipple and elbow: steel AMS 5024 (-3 to -5), aluminum 2024/6061 (-6 and up); nut wire 305 steel AMS 5685; socket aluminum 6061.

SOURCES · AE701 — 601/AE701 Medium Pressure Rubber Hose, Wire Reinforced

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