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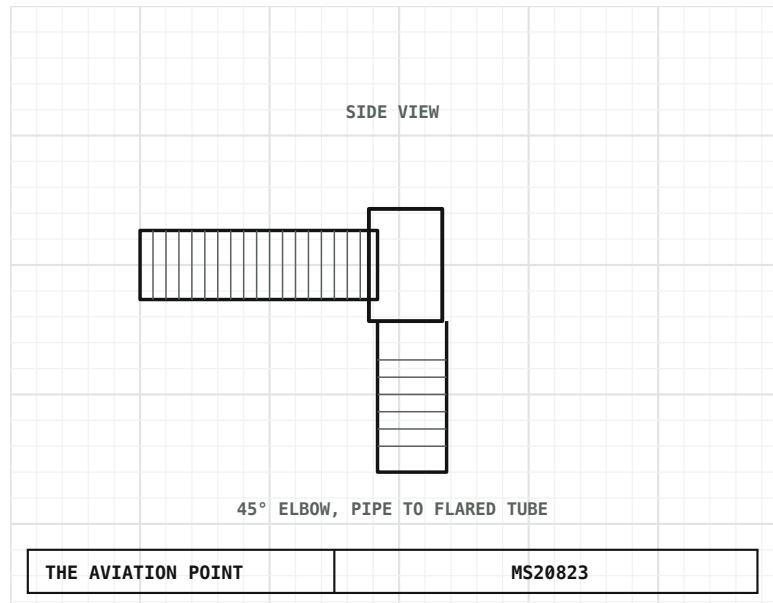
The Aviation Point

MS20823 — 45° elbow, pipe to flared tube

Elbow, 45°, Pipe to 37° Flared Tube: dimensions by dash size and part numbers, as listed in a distributor catalogue.



MS20823



Engineering drawing · dimensions in inches

Specification

Item	Value
Type	Fitting, elbow 45°, pipe to flared tube
Status	Check the current issue of the standard before design use.

Dimensions by size

Dimension, in	-2	-3	-4	-5	-6	-8	-10	-12	-16-12	-16
T — Thread T (ref.)	5/16-24	3/8-24	7/16-20	1/2-20	9/16-18	3/4-16	7/8-14	1-1/16-12	1-5/16-12	1-5/16-12
OD — Tube O.D.	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	1	1
P — Pipe thread P (ANPT)	1/8	1/8	1/8	1/8	1/4	3/8	1/2	3/4	3/4	1
Y — MS33677 style	B	B	A	A	A	A	A	B	A	B
Q — Q (+.047/-.000)	.641	.641	.703	.750	.812	.969	1.094	1.266	1.453	1.453
S — S	.500	.500	.625	.625	.844	.938	1.156	1.188	1.250	1.469
V — V	.312	.375	.438	.500	.562	.750	.875	1.062	1.312	1.312

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 O.D.	Pipe thread P
MS20823-2	1/8	1/8	1/8
MS20823-3	3/16	3/16	1/8
MS20823-4	1/4	1/4	1/8
MS20823-5	5/16	5/16	1/8
MS20823-6	3/8	3/8	1/4
MS20823-8	1/2	1/2	3/8
MS20823-10	5/8	5/8	1/2
MS20823-12	3/4	3/4	3/4
MS20823-16-12	1	1	3/4
MS20823-16	1	1	1

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

How to read the part number

Part	Meaning
Format	MS20823-<dash><material>
D	Material: Aluminum
(none)	Material: Steel
J	Material: Corrosion resistant steel
Example	MS20823-4 — Steel, 1/4 in tube, 1/8 pipe thread

Notes

- Fitting end per MS33466, style G, for the tube size specified (drawing note).
- Cells printed once across several rows in the listing are repeated on each row they span.

SOURCES · MS20823 — Elbow, 45°, Pipe to 37° Flared Tube

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/fittings/ms20823/

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