

DIMENSIONAL STANDARD · MSS SP-97

MSS SP-97 Weldolet Dimensions

Standard-weight Weldolet height, base width and outlet diameter, NPS ½–8, in mm.

This chart gives typical dimensions of **standard-weight (STD) Weldolets** to **MSS SP-97** in millimetres, for outlets from NPS ½" to 8" on a run pipe of the same size (size-on-size). A Weldolet is an integrally reinforced butt-weld branch outlet that replaces a reinforced branch or a reducing tee.

MSS SP-97 sets the design, reinforcement, marking and testing requirements; exact profiles vary slightly between manufacturers, so confirm dimensions on the drawing for your order. Teshi Group supplies Weldolets, Sockolets and Thredolets in carbon, stainless and alloy steel.

- A** Height of the outlet above the run pipe
- B** Width of the base across the run pipe
- C** Outside diameter of the outlet at the welding end

Standard-weight Weldolet dimensions, size-on-size (mm)

NPS Outlet	A Height	B Base width	C Outlet OD
½"	19.1	34.9	23.8
¾"	22.2	41.3	30.2
1"	27.0	50.8	36.5
1½"	33.3	73.0	50.8
2"	38.1	88.9	65.1
3"	44.5	122.2	93.7
4"	50.8	152.4	120.7
6"	60.3	215.9	169.9
8"	69.9	263.5	220.7

Notes

- Dimensions are in millimetres, for standard-weight (STD) Weldolets on a run pipe of the same nominal size.
- On a larger run pipe the base is contoured to that run size; the height A stays the same for a given outlet size and schedule.
- Extra-strong (XS) and Schedule 160 Weldolets are taller; their dimensions are supplied on request.
- Sockolet (socket weld) and Thredolet (NPT) outlets to MSS SP-97 are rated Class 3000 or 6000.

Reference information compiled from the published standard for convenience. It does not replace the current edition of the governing standard, which takes precedence. Verify critical dimensions before design, purchase or fabrication. Teshi Engineers & Sales Promoters (P) Ltd accepts no liability for errors or omissions. Online version: <https://www.teshigroup.com/dimensional-standards/mss-sp-97-weldolet-dimensions/>