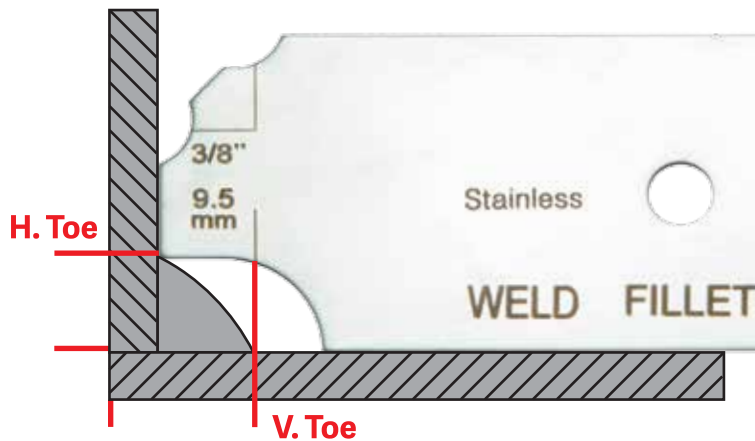


7 PC FILLET WELD GAUGE MANUAL



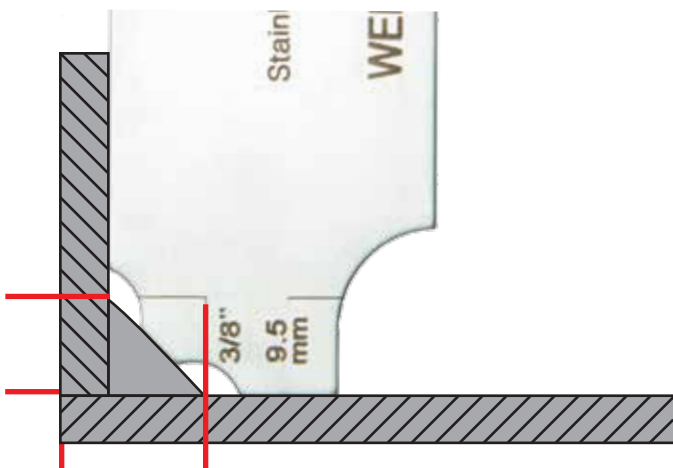
ALLY Tools 7 PC Fillet Weld Gauge measures for 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4", 7/8", and 1". Please verify the fillet weld specifications you are measuring for then use the appropriate gauge. Use the scribe lines on the gauge as a visual reference.

CHECKING LEG LENGTH



Slide the gauge so it rests against the upright vertical metal piece. The end of the gauge should make contact with the horizontal metal piece. If there is space between the gauge and the horizontal toe of the weld, then the weld is undersize. Check the vertical toe as well. The vertical scribe lines will show where the vertical toe should be.

CHECKING THROAT THICKNESS



The protusion in the middle of the gauge should make contact with the weld to verify that it is not concave. If there space between the protusion and the weld, it is not an acceptable fillet. Welds should never be concave.

This end is used to verify a 5/8" fillet weld is not concave

This end is used to verify that a weld has a 5/8" leg size



This end is used to verify that a weld has 1/4" leg size

This end is used to verify that a 1/4" fillet weld is not concave