

# MPS Roll Wheel Assembly O-Ring Sizing

## Purpose

This bulletin advises owners and operators of a possible problem when using undersized O-rings during roll wheel rebuilds.

## Problem

Oil leaks have been experienced after rebuilding MPS roll wheel assemblies. These leaks could lead to bearing failures. The problem may be the result of using O-rings of a smaller cross section than required by the design.

## Recommendations

Figure 1 shows the nominal W (cross section) versus the actual W for all MPS roll wheels. The X indicates sizes used on that size mill.

Calipers or micrometers can be used to measure the O-ring cross section (W). Extreme care should be taken not to crush the O-ring. The cross section (W) should be measured as shown in Figure 1, then compare nominal to actual for proper sizing.

Maintenance and operating procedures should be reviewed to include this check during roll wheel rebuilds.

## Support

If any problems are encountered, contact Babcock & Wilcox Field Service Engineering for further information or assistance.

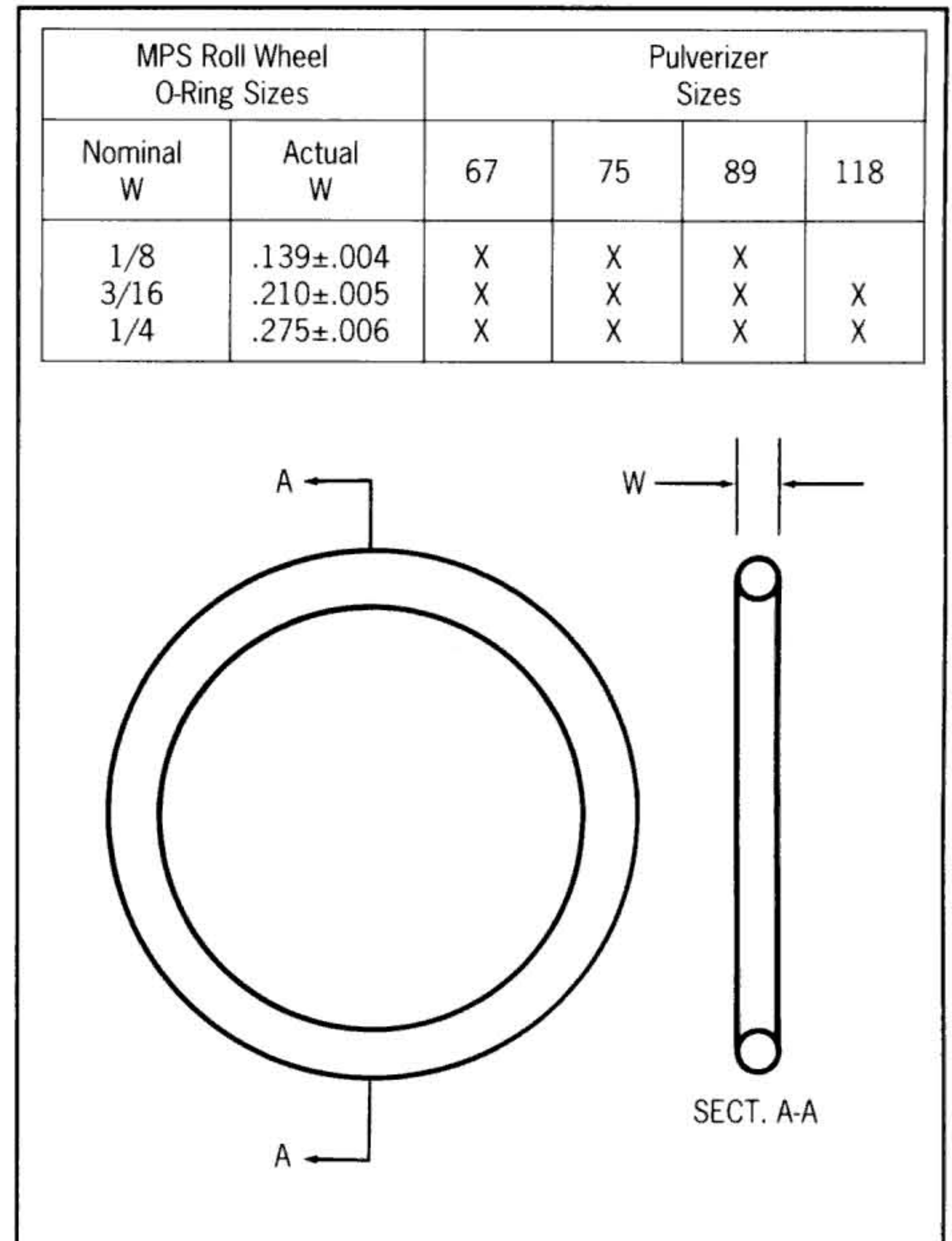


Figure 1 MPS roll wheel O-ring sizing.



**For more information in the U.S., call 1-800-BABCOCK (222-2625) or fax (216) 860-1886 (Barberton, Ohio). Outside the U.S., call (519) 621-2130 or fax (519) 621-2142 (Cambridge, Ontario, Canada). In Mexico, call (5) 208-1906 or fax (5) 533-5550. Or contact your nearest B&W sales or service office worldwide.**

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