ENGINEERED SEALS & COMPONENTS, LLC.

ULTRA -PRECISION
WEAR RINGS INCH or
METRIC

RE-SIZING GUIDE

ENGINEERED SEALS & COMPONENTS, LLC.

How to Resize an Existing Wear Ring

In many cases a ESC-Lon Wear Ring may be cut to a smaller size without loss of concentricity. Use the following guide when cutting down a wear ring for a smaller bore of a smaller rod size. ***It is recommended to use a Band Saw for this Operation with a course tooth blade.***

An alternative would be a Hack Saw.

Formula for cutting a Larger size to a Smaller size =

(OD Diameter of Larger Ring, D_1) - (OD Diameter of Desired Ring Diameter D_2)= L_1

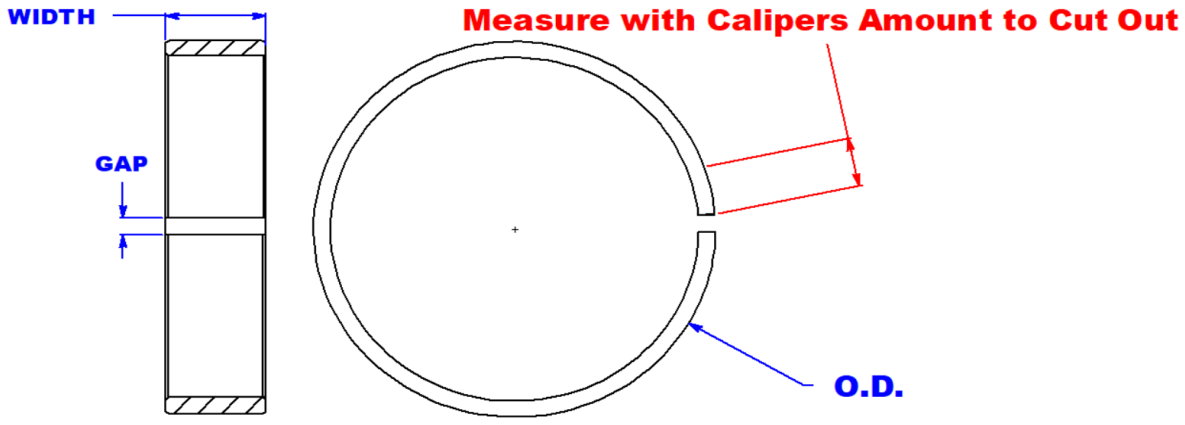
Take L_1 X 3.14 = L_2 (Length to be cut off of Larger Wear Ring) (Inch OR Millimeters)

$(D_1 - D_2) = L_1$ then L_1 x 3.14 = L_2 (Amount to cut off)

Example: 4.000" OD to a 3.750" OD

(4.000 - 3.750) = .250

(.250) x (3.14) = L_2 or 0.785" of length to be removed from the gap. If Metric, replace inch for MM



WEAR RING CUT DOWN RECOMMENDATIONS

WEAR RING O.D.	Maximum Length (*L2*) to cut Down
Under 2.000"	0.400"
2.001" to 3.000"	0.800"
3.001 to 6.750"	1.600"
7.000" to 9.000"	3.140"
9.500" to 14.000"	4.750"
14.500 to 18.000"	6.300"

When cutting more than 3.000" out of the Wear Ring, equal amounts should be removed from both sides of the gap. For example if you are cutting a 16.000" wear ring down to 14.750" Diameter, remove 1.962" from each side of the gap.

When resizing for a Rod Style Wear Ring, do the exact same thing.

If you need further assistance please e-mail sales@engseals.com or Call 712-580-3990

NOTES

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