

Parker O-Ring Guide Quick Use

Static Male O-Rings (i.e. the rings found on a plug)

Used for sealing any sort of plug that does not move

2-xxx series O-rings come in 5 sizes categorized by their cross section:

- 004-050: 1/16" (pg 90-91)
- 102-178: 3/32" (pg 91-92)
- 201-284: 1/8" (pg 92-94)
- 309-395: 3/16" (pg 94-96)
- 425-475: 1/4" (pg 96-97)

Steps for identification:

- 1.) Decide on a cross section diameter from above
- 2.) On page 89, for your selected cross section, find and record specifications for items L (Gland Depth) and G (Groove Width No Parbak Ring) *and* their tolerances
- 3.) Determine the O.D. of the hole you are plugging. Search for this number under the A column of your selected cross section class (pages detailed above) and record the corresponding O-Ring Number on the left
- 4.) For the given O-Ring, record its Groove Diameter and Plug Diameter and their subsequent tolerances found in columns B-1 and C respectively
- 5.) Reference design guide 4-2 found on page 89 as a picture to help incorporate these specifications in your CAD