

Quality Chemical Solutions 0800 732 573



SEAL HOUSE

- O-rings, Food grade seals, Pressure gauges, Wear rings, Extruded products, Hydraulic seals, Packing, Machined seals, Back up rings, Moulded products, Piston seals, Clamps and fittings, Seal kits, Lubricants, Mechanical seals, Wipers, Industrial hoses, Industrial plastics, Rotary seals, Adhesives and sealants, Door seals, Gaskets, Rod seals, Couplings, Rubber sheet

TABLE 1-1 Cross Section 0.70" (1.78mm) 1/16 nominal

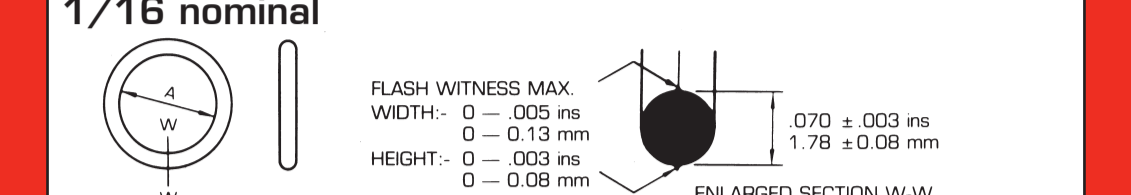


Table with 14 columns: Size Ref, Tube ID, I.D., O.D., Wall, Vol, and various material specifications.

TABLE 1-3 Cross Section 0.139" (3.53mm) 3/16 nominal

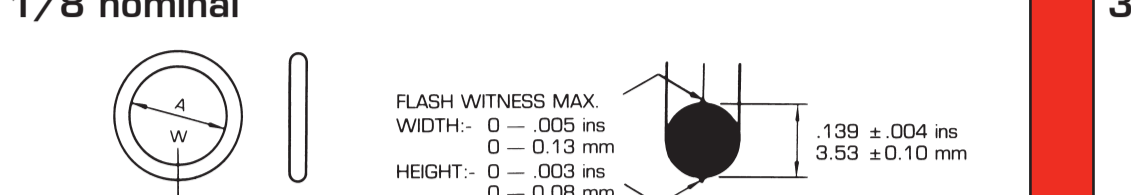


Table with 14 columns: Size Ref, Tube ID, I.D., O.D., Wall, Vol, and various material specifications.

TABLE 1-4 Cross Section 0.210" (5.34mm) 3/16 nominal

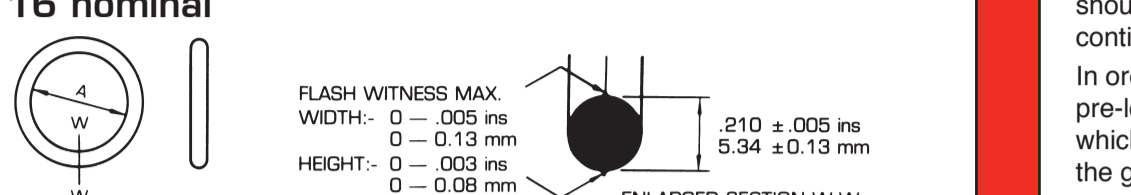
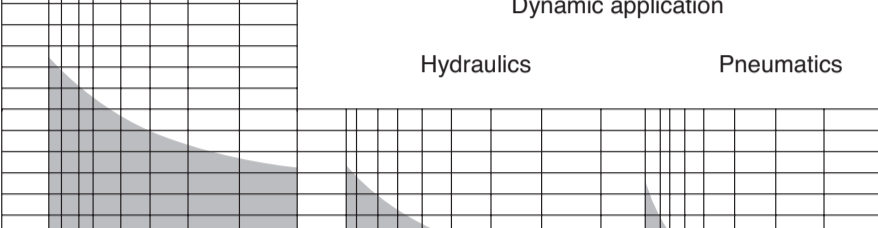


Table with 14 columns: Size Ref, Tube ID, I.D., O.D., Wall, Vol, and various material specifications.

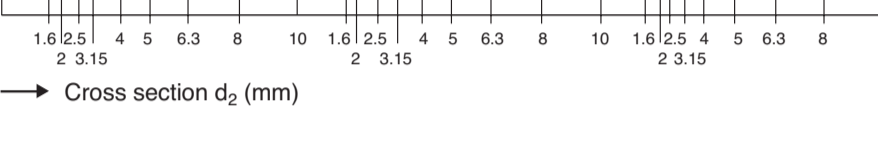
Installation Instructions

Foremost, O-rings qualify for static application. For dynamic application, O-rings should be used only in case of occasional movements...

In order to initiate the sealing process, i.e. to create a pre-load, the O-ring cross-section has to be deformed...



The following critical data will have to be taken into consideration.



Static application, Dynamic application, Hydraulics, Pneumatics.

TABLE 1-2 Cross Section 0.103" (2.62mm) 3/32 nominal

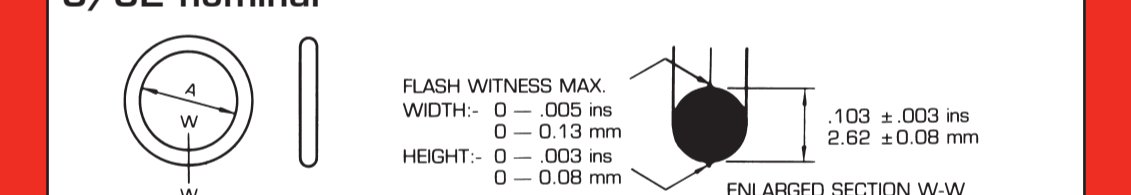


Table with 14 columns: Size Ref, Tube ID, I.D., O.D., Wall, Vol, and various material specifications.

TABLE 1-5 Cross Section 0.275" (6.99mm) 1/4 nominal

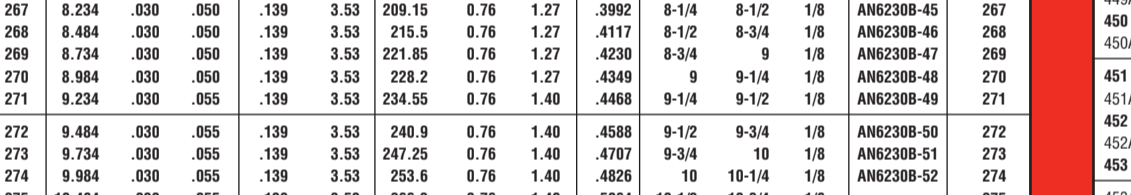


Table with 14 columns: Size Ref, Tube ID, I.D., O.D., Wall, Vol, and various material specifications.

TABLE 1-6 Cross Section 0.344" (8.73mm) 1/8 nominal

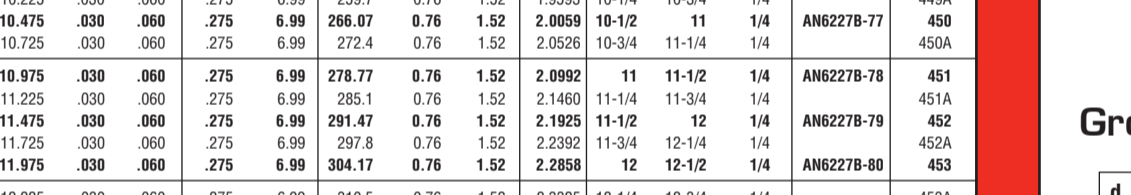


Table with 14 columns: Size Ref, Tube ID, I.D., O.D., Wall, Vol, and various material specifications.

Groove sizes - Static application

Table with 2 columns of groove dimensions (d1, t, b) and corresponding O-ring sizes.

In case of applying back-up rings the width of groove b is increased by the width of the back-up ring...



Groove sizes - Dynamic application - Hydraulics

Table with 2 columns of groove dimensions (d1, t, b, z) and corresponding O-ring sizes for hydraulic dynamic applications.

Groove sizes - Dynamic application - Pneumatics

Table with 2 columns of groove dimensions (d1, t, b, z) and corresponding O-ring sizes for pneumatic dynamic applications.

O-rings for Tube Fitting Bosses

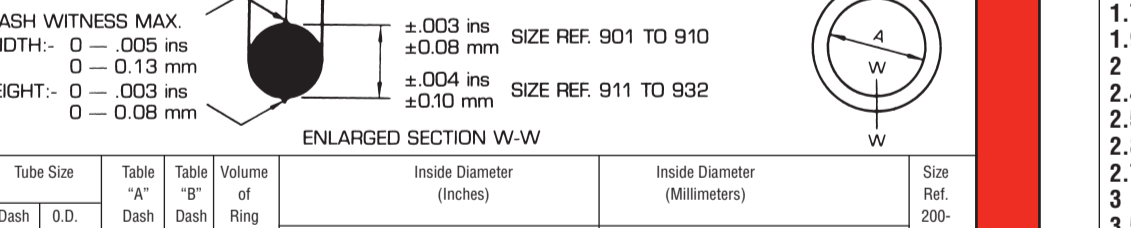
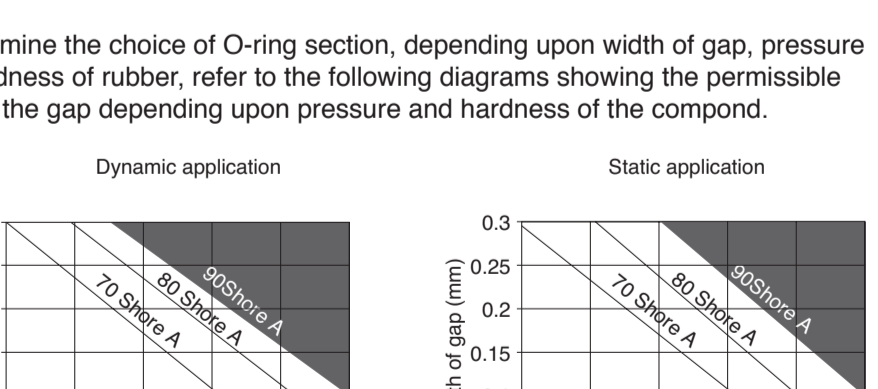


Table providing O-ring dimensions for tube fitting bosses, including tube size, O-ring ID, and O-ring OD.

Materials and Durometers available as standard

Table mapping materials to durometer ranges and compound types.

To determine the choice of O-ring section, depending upon width of gap, pressure and hardness of rubber, refer to the following diagrams...



Metric O-rings

In stock, a wide selection in the following cross-sections: 1, 1.5, 1.6, 1.9, 2, 2.4, 2.5, 3, 3.1, 3.5, 4, 4.5, 5, 5.7, 6, 7, 8, 8.4

Note: O-rings are measured I.D. by cross-section.

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High temperature resistance, stability and compatibility with a wide range of fluids and chemicals.