

example

CI-009931-3.96M-2/0-2-SN50

Seal Type

CI: Internal pressure,
system pressure energised

Cross Section

Select the proper cross section or axial section (AS) in the table, then select the material code "M or H" based on the desired wall thickness.

Treatment

2: Age hardened

See Tab on the last page →

Seal Diameter (DSO)

009931 = 99,31 mm, for groove OD = 99,82

The seal diameter is always the outside diameter without plating.

The diameter is calculated as follows:

Nominal outside groove diameter, DG, minus clearance or DC (in the table on the left page) minus 2 times the maximum plating or coating thickness.

or

$$DSO = DG - DC - (\text{Plating thickness} \times 2)$$

See also figure on the left page, below

$$DSO = 99,82 - 0,41 - 2 \times 0,05 = 99,31 \text{ mm}$$

Plating

Plating Code "SN"

= Tin Plating

Plating Thickness "50"

= 30 to 50 Microns

See Tab on the last page →

Material

The first digit designates the C Ring material, the second is always "0" in case of a C Ring

Available Materials & Codes			
Jacket		Spring	
Code	Material	Code	Material
1	Alloy X-750 *	0	-
2	Alloy 718	0	-
5	304 SS	0	-

(*) X-750 will become obsolete
Other materials on special request