

example

CSI-024563-4.78M-2/2-1-S50

Seal Type

CSI: Internal pressure,
spring 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 spring load.

Treatment

1: Work hardened

See Tab on the last page →

Seal Diameter (DSO)

024563 = 245,63 mm, for groove OD = 246,19

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

$$DSO = 246,19 - 0,46 - 2 \times 0,05 = 245,63 \text{ mm}$$

Plating

Plating Code "S"

= Silver 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 specifies the spring material.

Available Materials & Codes			
Jacket		Spring	
Code	Material	Code	Material
1	Alloy X-750 *	1	Alloy X-750 *
2	Alloy 718	2	Alloy 718
5	304 SS	9	302 SS
-	-	A	Elgiloy
-	-	E	Nimonic

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