

example

YI-005633-3.18M-1/0-1-S30

Seal Type

YI: Internal pressure

Cross Section

Select the proper cross section or axial section (AS) with the corresponding wall thickness.

Treatment

1: Work hardened

See Tab on the last page →

Seal Diameter (DSO)

005633 = 56,33 mm, for groove OD = 56,58

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

$DSO = 56,58 - 0,19 - 2 \times 0,03 = 56,33 \text{ mm}$

Plating

Plating Code "S"

= Silver Plating

Plating Thickness "30"

= 10 to 30 Microns

See Tab on the last page →

Material

The first digit designates the Oysterseal® seal material, the second is always a "0" in case of an Oysterseal®.

Available Materials & Codes			
Jacket		Spring	
Code	Material	Code	Material
1	Alloy X-750 *	0	-
2	Alloy 718	0	-
B	Haynes 214	0	-
(*) X-750 will become obsolete			
Other materials on special request			