



HUTCHINSON®



We make it **possible**

Bonded Seals

LOW & HIGH PRESSURE
APPLICATIONS

In-house Manufacturing, Safe Sealing



GENERAL INFORMATION

- ▶ Rectangular metal washer with trapezoidal shaped ring of vulcanised rubber bonded to the inside
- ▶ Dimensions: all popular BSP sizes and many other metric sizes
- ▶ Customized development on demand
- ▶ Certifications: BS EN 10139, BS EN 10083-2, BS EN 10088-3, BS EN 12164 ...

APPLICATIONS

Our bonded seals can suit different applications or markets:

- Fuel return lines
- HVAC
- Hydraulics
- Food & Beverage
- Heating
- Oil & Gas



MATERIAL

Rubber

We can provide rubber compounds approved for drinking water (ACS, WRAS, DM174, UBA-ELL, W270, BRL-K 17504 class III, ÖNORM, NSF/ANSI61), food contact (FDA, french arrêté 1992), and gas (EN549).

Metal washer

Different materials, from mild and stainless steel to other alloys such as aluminium, brass, high tensile steels ...

Main metal washers	Tensile strength MN/m2 (min)	Specification
Mild Steel Pressings CS4 BRH5	540	BS EN 10139
Mild Steel Turned EN8	540	BS EN 10083-2
Stainless Steel Pressings T316	540	BS EN 10088-2
Stainless Steel Turned T316	540	BS EN 10088-3
Stainless Steel Turned S1000 Grade T316	1000	BS EN 10088-3

Surface finish

Benefits of the P18 plating, used as standard surface finish:

- ▶ 12-15% nickel content
- ▶ Hexavalent free plating
- ▶ Thickness from 8 to 13 µm
- ▶ Corrosion resistance to salt spray for more than 600 hrs against BS EN 10289

Other surface treatments are available on request (zinc, cadmium, chrome...).

BENEFITS OF THE SELF-CENTRALISING SEAL

- ▶ Prevention of seal offset
- ▶ Ease of installation
- ▶ Captive assembly

