

Technical Data Sheet

Bonded/Dowty Seals

Commonly known as Dowty Seals, Our bonded Seals and Washers provide reliable and dependable resistance to high pressure applications, particularly suitable for sealing under the heads of bolts and threaded components, for pipe couplings and a wide range of connector applications where a perfect face-to-face contact is required for sealing gases, oils, and other fluids.

Our bonded seals (or Dowty Seals) consist of a rubber sealing element that is bonded to the inner wall of a metal washer. They are used in applications where high pressures demand greater sealing capacity that can be obtained with copper washers.

Our mild steel / stainless steel range offers the highest burst pressure resistance offering tensile strength up to 540 MN/m² (35 tons f/in² UTS) minimum. For materials see below.



Metallics

Sizes

Standard size range: BSP, BSF, BSPF (CETOP), and Metric

Materials

Rubber - Nitrile (NBR), Viton® (FKM/FPM), Hydrogenated Nitrile (HNBR), & Ethylene propylene (EPDM), Fluorosilicone (FVMQ).

Metal - Mild Steel, Stainless Steel, Carbon, Copper, Brass, Aluminium Alloy, Aluminium Bronze

Plating - Zinc, Clear Passivate, Gold Passivate, Chromic Anodise, Sulphuric Anodise, Iron and Black Chromate, Sherardize 2000

Standards

British Imperial, ISO R261 BS3643, BS3643, AGS1186, CETOP (ISO 1179/1973), DEF. STAN

Types

Standard and Self-Centralising, Lockseals Range, Bodok



Certificate Number: 14352
ISO 9001



Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

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