

Bonded Sealing Washers

Bonded seals are specialized washers designed for high-pressure applications. They feature a metal washer with a vulcanized rubber sealing element to ensure a tight, leak-proof seal in hydraulic fittings and fuel systems.



ADDITIONAL IMAGES



Product Overview

High-Pressure Sealing Solution

Bonded seals, often referred to as Dowty seals, are specialized washers designed to provide reliable, leak-proof performance in demanding high-pressure environments. Composed of a metal washer with an elastomeric sealing element vulcanized to the inner diameter, these seals offer superior structural integrity and sealing capability. They are an essential component for maintaining fluid and gas containment in critical industrial connections.

Technical Specifications

Material Options

- Steel
- Stainless Steel
- Aluminum
- Copper
- Nitrile (NBR)
- Viton (FKM)
- EPDM
- Silicone

Material Composition

Metal, Rubber

Application & Usage

Typical Applications

Hydraulic Fittings • Fuel Systems • Automotive Components • Industrial Fluid Connections

Key Design Benefits

- Prevents over-compression of rubber element
- Provides high structural strength
- Ensures tight seal against mating surfaces
- Cost-effective and easy to install