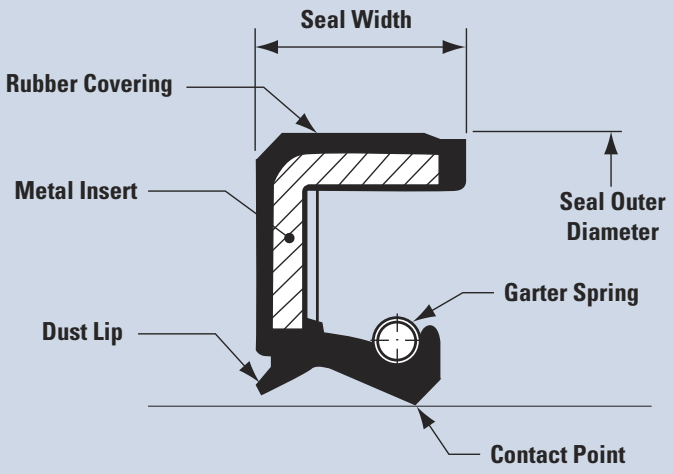
Introduction

Rotary shaft seals play a key role in extending the operating life of bearing systems and reducing the overall costs of maintaining these systems. The primary function of a rotary shaft seal is to retain bearing system lubricants therefore allowing the bearings to operate in optimal levels of lubrication. The secondary function of a rotary shaft seal is to exclude contaminants from the system, contaminants that can both damage bearings and break down the effectiveness of lubricants.This catalogue provides a listing of Daemar's standard rotary shaft seal styles and sizes. Accommodating shafts ranging from 1/4" to 40". The design guide offers assistance in selecting the appropriate style and material of seal for your particular operating environment. If heat or chemical attack are a concern we offer Viton®, and polyurethane materials as well as the standard silicones and nitriles. Additionally, design parameters for shaft and bore configurations are provided.

The Construction of DMR™ Shaft Seals



Case Material

Case Material	SAE	Application
Carbon Steel	1008-1010	General Purpose
Stainless Steel	302/304	Corrosive Environments

Spring Materials

Spring Material	SAE	Application
Carbon Spring Steel	1070-1090	General Purpose
Stainless Steel	302/304	Corrosive Environments