



WIPER SEALS

BECA 478



DESCRIPTION

The BECA 478 profile is a wiper seal composed of a thin brass wiping lip assembled in tandem with a second rubber wiping lip in a metal shell. This seal is designed to efficiently remove the solid particles (ice, mud) and all other impurities that stick to the rod.

ADVANTAGES

Very good external wiping effect even for stubborn soiling (ice, mud)
 Very good abrasion resistance
 Assembly in open groove

APPLICATIONS

Cold and heavily contaminated environments
 Agriculture
 Mobile machinery
 Material handling - Lifting
 Hydraulic cylinders

MATERIALS

Primary sealing lip
 Brass
Secondary sealing lip
 NBR 70 Shore A
Metal cage
 Steel

TECHNICAL DATA

Temperature	-40°C / +100°C
Speed	1 m/s
Media	Mineral oils Fire-resistant hydraulic fluids (HFA, HFB and HFC) Water Air

The figures above indicate the maximum values and may not be cumulated. They may be developed, depending on the materials used.

SURFACE ROUGHNESS

Roughness	Dynamic surface area	Static surface area	Groove flanks
Ra	0.1 - 0.4 µm	≤1.6 µm	≤3.2 µm
Rz	0.63 - 2.5 µm	≤6.3 µm	≤10.0 µm
Rmax	1.0 - 4.0 µm	≤10.0 µm	≤16.0 µm

CHAMFER

The chamfer length as well as the chamfer angle are determined by the rod seal.

