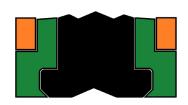
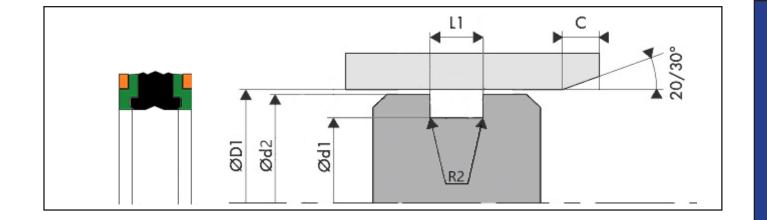
# D/A Piston Seals

# KGDAE





### **TECHNICAL DATA**

Temperature	-40°C / +110°C		
Pressure	400bar/5800psi		
Speed	0.50 m/sec		
Media	Mineral hydraulic oils		

and a	Radius & Chamfers		
ØD1	R2 (mm)	C (mm)	
<100.00mm	0.40	5.00	
100.00mm - 200.00mm	0.40	7.00	
>200.00mm	0.40	10.00	

#### **TOLERANCES**

ØD1	H10
Ød1	-0.00/+0.10mm
Ød2	-0.20/+0.20mm
L1	-0.00/+0.20mm

#### 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

#### **MATERIALS**

Sealing Element
NBR 75 Shore A
Back-Up Rings
Polyester Resin 63 Shore D
Anti-Extrusion Rings
Polyoxymethylene – POM

#### **DESCRIPTION**

The KGDAE is a high-performing double acting compact piston seal, comprised of a flexible NBR sealing element, two polyester back-up rings and two POM A/E rings.

## **ADVANTAGES**

Good sealing effect Excellent extrusion resistance Excellent wear resistance Reliable sealing for significant and sudden pressure variations

#### **APPLICATIONS**

Agriculture Mobile machinery Hydraulic cylinders

