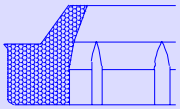
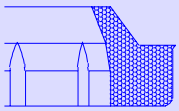


PWC

Metric



Design

Designed to prevent the ingress of contaminents into the system thus extending the service life of the cylinder in applications where there is a risk of large accumulations of dirt on the Rod such as earth moving equipment. The Wiper is designed with positive seating of the outside face and beads on the inside diameter. These features provide sealing on the static face as well as stability in the housing. The Wiper is produced in 98° Shore A Polyurethane which offers a high level of stiffness providing the Wiper with the ability to remove dried on mud from the Rod. The material also has excellent wear properties for a long service life even under arduous conditions. The Wiper is designed to fit into closed housings.

Operating Conditions

Temp. Range	-40°C to 110°C
Max Linear Speed m/sec	3.0

Optimum service conditions are affected by temperature, speed and surface finish.
Refer to Appendix 1 for further information.

Continuos operating temperature for various fluids

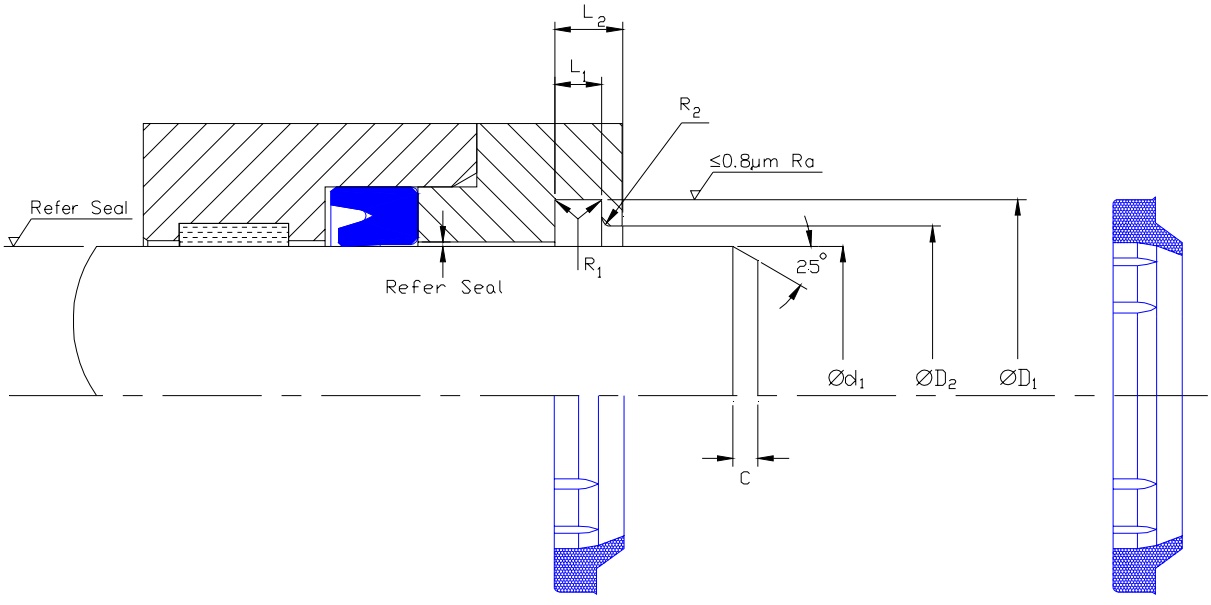
AU Polyurethane		
DIN	**Hydraulic Fluid Description**	**°C**
H	Mineral oil without additives	100
H-L	Mineral Fluid with anti corrosion and anti ageing additives	100
H-LP	Mineral oil as HL plus additives reducing wear, raising load	100
H-LPD	Mineral oil as H-LP but with detergents and dispersants	100
H-V	Mineral oil as H-LP plus improved viscosity temp.	100
HFA E	Emulsions of mineral oil in water. Water content 80-95%	40
HFA S	Synthetic oil in water. Water content 80-95%	40
HFB	Emulsions of water in mineral oil. Water content 40%	40
HFC	Aqueous polymer solutions. Water content 35%	ns
HFD R	Phosphoric acid ester based	ns
HFD S	Chlorinated hydrocarbon based	ns
HFD T	Mixtures of HFD R and HFD S	ns
HEPG	Polyglycol based	ns
HETG	Vegetable Oil based	60
HEES	Fully synthetic ester based	60

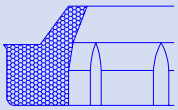
Housing

For surface finish and recommended lead in chamfers refer to the illustration below. For housing dimensions and machining tolerances refer to the catalogue page of selected seal.
Refer to Appendix 4 for value of tolerance symbols.
Style PWC Wiper maybe deformed and fitted into a closed groove housing.

Fitting

For the wiper to function correctly, it is important that care be taken in fitting the wiper within its housing.
For a detailed checklist, refer to Appendix 3.

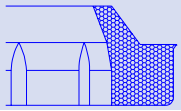




Rod Wiper Seal

PWC

Metric



Nominal Dimensions & Machining Tolerances

Claron Part Number	Refer Seal Selection $Ød_1$	H11 $ØD_1$	H11 $ØD_2$	+0.20 -0.00 L_1	Min. L_2	Nominal. R_1	Nominal. R_2
PWC 032	32	40	37.5	5	8	0.4	0.2
PWC 040	40	48	45.5	5	8	0.4	0.2
PWC 045	45	53	50.5	5	8	0.4	0.2
PWC 050	50	58	55.5	5	8	0.4	0.2