EW

Design

Claron Style EW Rod wiper is designed to remove potential system contaminants from a reciprocating rod during the negative stroke. It is classified as a medium to heavy duty wiper and is precision moulded in 98°Shore A Polyurethane. The wiper is machine trimmed to provide a precise wiping lip.

Operating Conditions

Temp. range	-40°C to 110°
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.

Continuous operating temperature for various Fluids

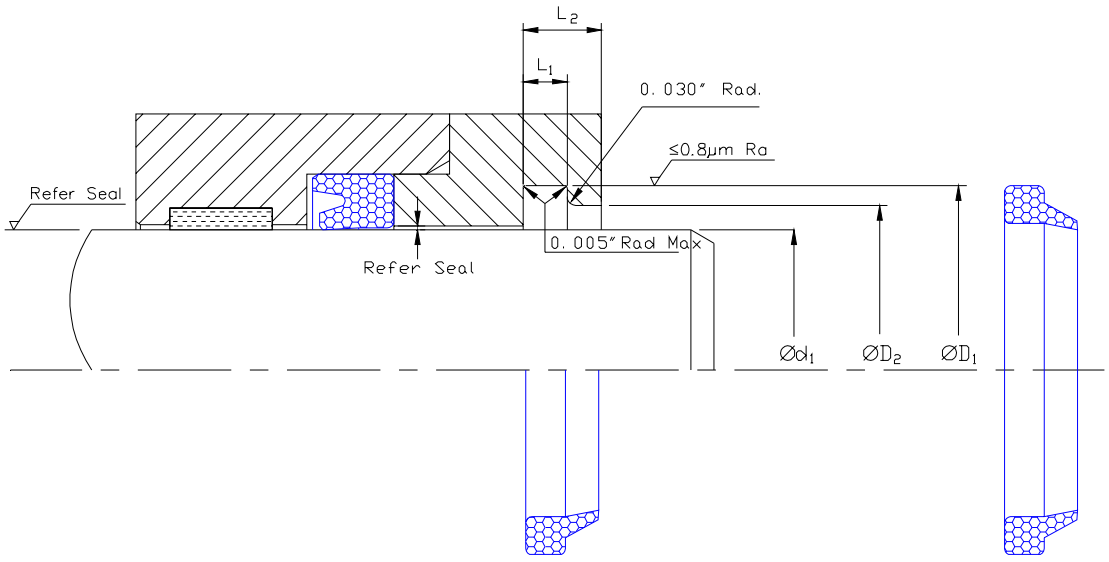
AU Polyurethane		
DIN	**Hydraulic Fluid Description**	**°C**
H	Mineral oil without additives	100
H-L	Mineral Fluid with anti corrosion and anti ageing additives	100
H-LP	Mineral oil as HL plus additives reducing wear, raising load	100
H-LPD	Mineral oil as H-LP but with detergents and dispersants	100
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

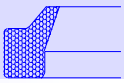
For surface finish and recommended lead in chamfers refer to the illustration below. For housing dimensions and machining tolerances refer to the catalogue page of selected seal.
Refer to Appendix 4 for value of tolerance symbols.

Fitting

Style EW may be deformed and fitted into a closed groove housing as shown below. For the seal to function correctly, it is important that care be taken in fitting the seal within its housing.
For a detailed checklist, refer to Appendix 3.

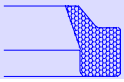


Single Acting Rod Wiper Seal



EW

Imperial



Nominal Dimensions & Machining Tolerances

Claron Part Number	Refer Seal Selection $Ød_1$	+0.008 -0.000 $ØD_1$	+0.008 -0.000 $ØD_2$	+0.004 -0.000 L_1	Nominal L_2
EW 275	2.750	3.187	2.980	0.187	0.437
EW 300	3.000	3.500	3.278	0.187	0.500
EW 350	3.500	4.062	3.850	0.187	0.582
EW 362	3.625	4.187	3.950	0.187	0.562
EW 437	4.375	4.908	4.697	0.187	0.533
EW 525	5.250	5.844	5.602	0.187	0.594
EW 631	6.312	6.906	6.665	0.187	0.594
EW 731	7.312	7.906	7.665	0.187	0.594
EW 837	8.375	8.969	8.665	0.187	0.594