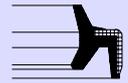


PFB



Design

Claron **Style PFB** double acting Rod wiper is designed to remove potential system contaminants from a reciprocating rod during the negative stroke and to assist sealing by collecting the fluid film on the positive stroke. It is classified as a medium to heavy duty rod wiper. The wiper is precision moulded in 80° Shore Nitrile Rubber with an accurately machined lip. The wiper has a metal case designed to press fit in the housing thus retaining the wiper. The press fit design of this wiper allows it to be used in a simple open ended housing. The sizes are to common Japanese housing standards.

Claron Wiper Seals **Style PFB** should not be utilised in combination with double-acting Rod seals unless the housing design allows for pressure relief between the wiper and the seal.

Operating Conditions

Temp. range -30°C to 100°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.

Continuous operating temperature for various Fluids

NBR Rubber		
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%	55
HFA S	Synthetic oil in water. Water content 80-95%	55
HFB	Emulsions of water in mineral oil. Water content 40%	60
HFC	Aqueous polymer solutions. Water content 35%	60
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	NS

Housing

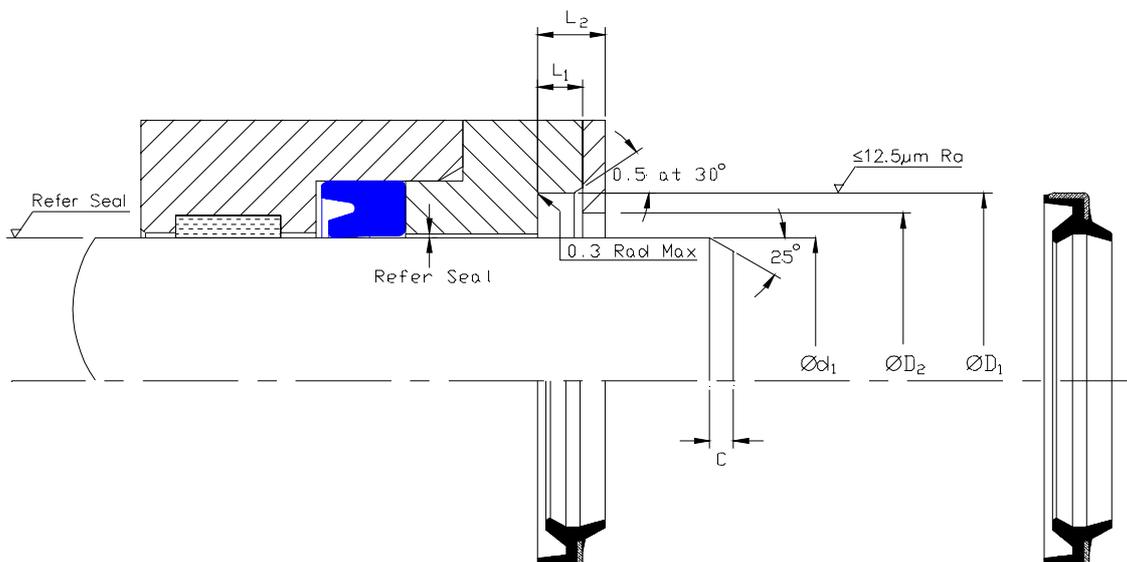
For surface finish and recommended lead in chamfers refer to the illustration below. For housing dimensions and machining tolerances refer to the catalogue page of selected seal.

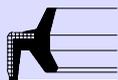
Refer to Appendix 4 for value of tolerance symbols.

Fitting

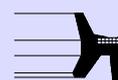
Style PFB is designed to press fit into the open ended housings. For the seal to function correctly, it is important that care be taken in fitting the seal within its housing.

For a detailed checklist, refer to Appendix 3.





PFB



Nominal Dimensions & Machining Tolerances

Claron Part Number	Refer Seal Selection Ød_1	H8 ØD_1	+0.30 -0.00 ØD_2	+0.60 +0.40 L_1	Nominal L_2
PFB 022033	22	33	28	6	9
PFB 025037	25	37	31	6	9
PFB 030042	30	42	36	6	9
PFB 035047	35	47	41	6	9
PFB 040052	40	52	46	7	10
PFB 045057	45	57	51	7	10
PFB 050062	50	62	56	7	10
PFB 055069	55	69	62	8	11
PFB 060074	60	74	67	8	11
PFB 065079	65	79	72	8	11
PFB 070084	70	84	77	8	11
PFB 075089	75	89	82	8	11
PFB 080094	80	94	87	8	11
PFB 085099	85	99	92	8	11
PFB 090104	90	104	97	8	11
PFB 095109	95	109	102	8	11
PFB 100114	100	114	107	8	11
PFB 110126	110	126	118	9	12
PFB 120136	120	136	128	9	12
PFB 130146	130	146	138	9	12
PFB 140160	140	160	150	10	14
PFB 155175	155	175	165	10	14
PFB 160180	160	180	170	10	14
PFB 170190	170	190	180	10	14