

LabTecta[®]OP

Eliminate over 50% of bearing failures with the
LabTecta[®]OP IP66 & IP69K certified bearing protector



Improved

- Equipment life
- Process uptime
- Operational profit
- Environment

Reduced

- Bearing failures
- Maintenance cost
- Operational losses
- Clean-up costs



Improving Rotating Equipment Reliability by Preventing Bearing Failure

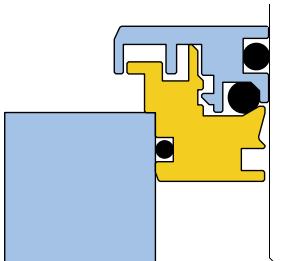
Bearing Protection

The most cost effective reliability upgrade for your equipment

The LabTecta®OP range can eliminate the cause of 52% of your bearing failures. Through its dynamic lift technology, it allows the equipment to breathe when running, but is perfectly sealed when the equipment isn't running, preventing the ingress of contaminants.

Top entry applications

LabTecta®T* – Advanced non-contacting labyrinth seal with integral shut-off valve for top-entry applications.



ATEX Certified

Complying with ATEX directive 2014/34/EU, the LabTecta®OP is available certified for use in Group I M2 (Mining) and Group II Cat 2 & 3 (Zone 1/21 & 2/22) equipment.



* LabTecta®T sealed to IPX5

“ Water ingress can have a disastrous effect on bearing life. ”

Reducing Bearing Failure

52% of bearing failures are due to contamination of the bearing oil*. This represents 20.8% of all rotating equipment failures.

A major study into equipment reliability has shown 48% of all bearing failures are due to particle contamination of the bearing oil, with an additional 4% due to corrosion caused by contamination of the bearing oil.



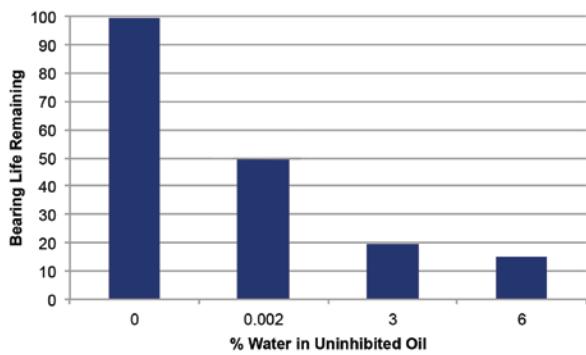
Reducing Water Contamination

Research conducted by a major academic institution has shown that water contamination as low as 0.002% (20ppm) in some oils can reduce bearing life by as much as 48%.

LabTecta®OP reduces bearing failure by:

- Preventing water ingress
- Preventing dust ingress
- Eliminating shaft damage due to rubbing
- Non-contacting design, thus no wearing of O'ring

Water Contamination Reduces Bearing Life Significantly



* Bloch, Heinz; "Pump Users Handbook: Life Extension" 2011.

52% of Bearing failures are due to contamination of the bearing oil*



The effect of water contamination



LabTecta®OP Features & Benefits

- Velocity Reducing Cavity - Prevents loss of oil from the bearing chamber
- Zenith Barrier - Further protects against loss of oil
- Multi-tiered labyrinth - Keeps water, dust & contaminants out, improving bearing life
- Water Expulsion Port - Further protects against water ingress
- IP66 & IP69K Certified - Exceeds the requirements of IEEE std 841-2009 for electrical motors. Improves safety and reliability
- Non-wearing - Eliminates shaft wear in operation
- Maintenance-free - No routine maintenance required

LabTecta®OP is IP66 and IP69K Certified

Proven protection through 3rd party testing

Ingress Protection code rating

The premier third-party standard for Ingress Protection.

IP 66/9K

Protection Rating against solids

Level 6 — Defined as “No ingress of dust; complete protection against contact.”

Protection Rating against water

Level 6 — Defined as “Water projected in powerful jets (0.5” / 12.5mm nozzle) against the enclosure from all practicable angles shall have no harmful effects”. Tested with at least 26 US gallons (100 litres) per minute for at least 3 minutes, while equipment is both static & rotating.

Protection Rating against water

Level 9K — 80°C / 176°F Water jet at 80 to 100bar (1160 to 1450psi) and flow rate of 14 to 16c/m (3 to 3.5 gall/hr) from a distance of 10 to 15cm (3.9 to 5.9”) at 0, 40°, 60° and 90° for 30s each (DIN40050 Part 9 testing)

The Problem with Lip-Seals – What is the True Cost?

Extensive testing shows conclusively that lip-seals cannot effectively protect your bearing oil. Recognized problems with lip-seals include:

- Have a short effective lifespan
- Ineffectiveness at keeping contamination from bearing housings
- Serious wear of shafts, causing extensive equipment damage and added cost
- The loss of lubrication, leading to catastrophic bearing and equipment failure

For these reasons API 610 11th edition, section 6.10.2.6 states
“Lip-type seals shall not be used”

Comparison of Lip-Seal versus LabTecta®OP

Requirement	Lip Seal	LabTecta®OP
Ability to keep oil in bearing	No lasting ability	Yes
Protection against water ingress	No lasting protection	IP66 & IP69K
Protection against ingress of particles	No lasting protection	IP66 & IP69K
Shaft wear	Significant	None

Non Contacting. No Wear. No Loss of Protection

Seal Type	New	100 hours Use	1000 hours Use	1 Year Use
Lip Seal	Effective Sealing	Deterioration of Lip Seal	Visible Shaft Wear*	Significant loss of protection
Bearing Isolator	Effective Sealing	Effective Sealing	Effective Sealing	Effective Sealing

*After a little over a 100 hours shaft wear can be perceived

Lip-seals wear grooves in shafts



Dynamic Lift O-ring:

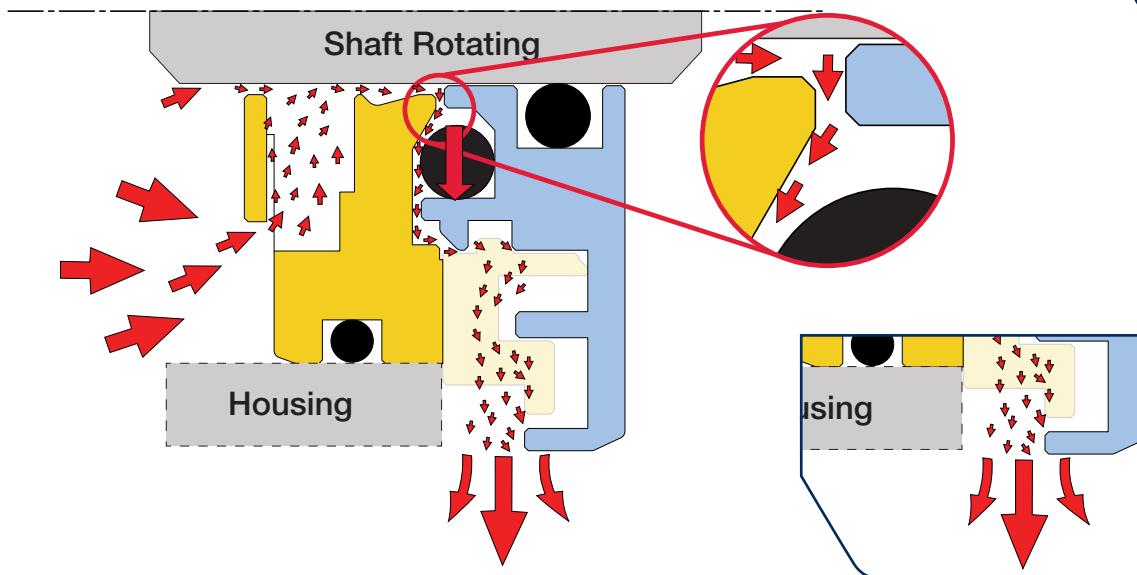
LabTecta®OP uses dynamic lift technology to prevent premature bearing failure.

As the equipment rotates, centrifugal force causes a temporary micro gap to be created, (allowing the expansion of the oil / air mixture in the bearing housing).

When equipment stops, the centrifugal force ceases and the micro-gap is closed. This stops atmosphere from being sucked back into the bearing-housing, preventing moisture laden air from coming in.

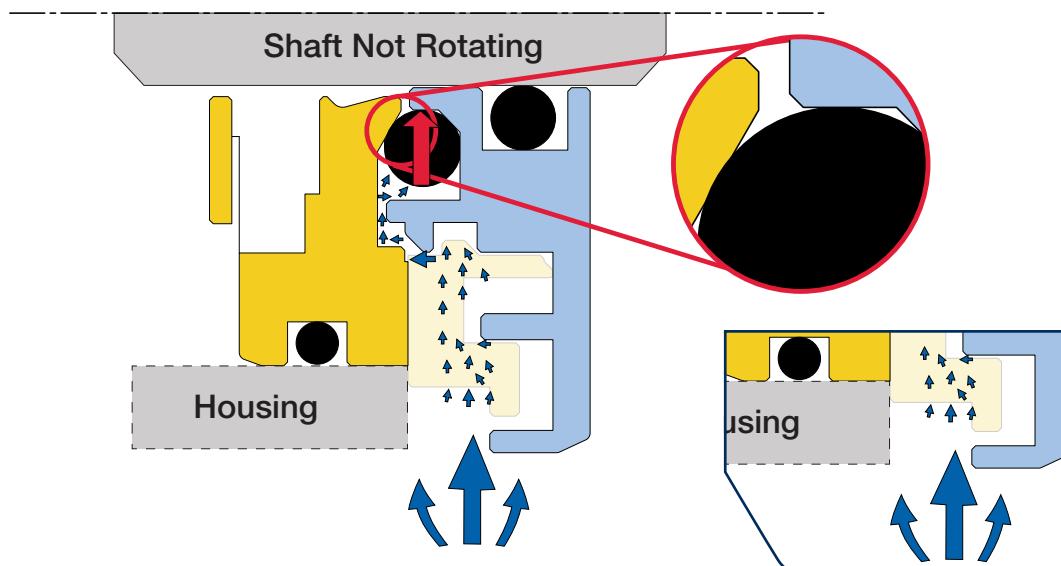
Essential Micro-Gap When Rotating

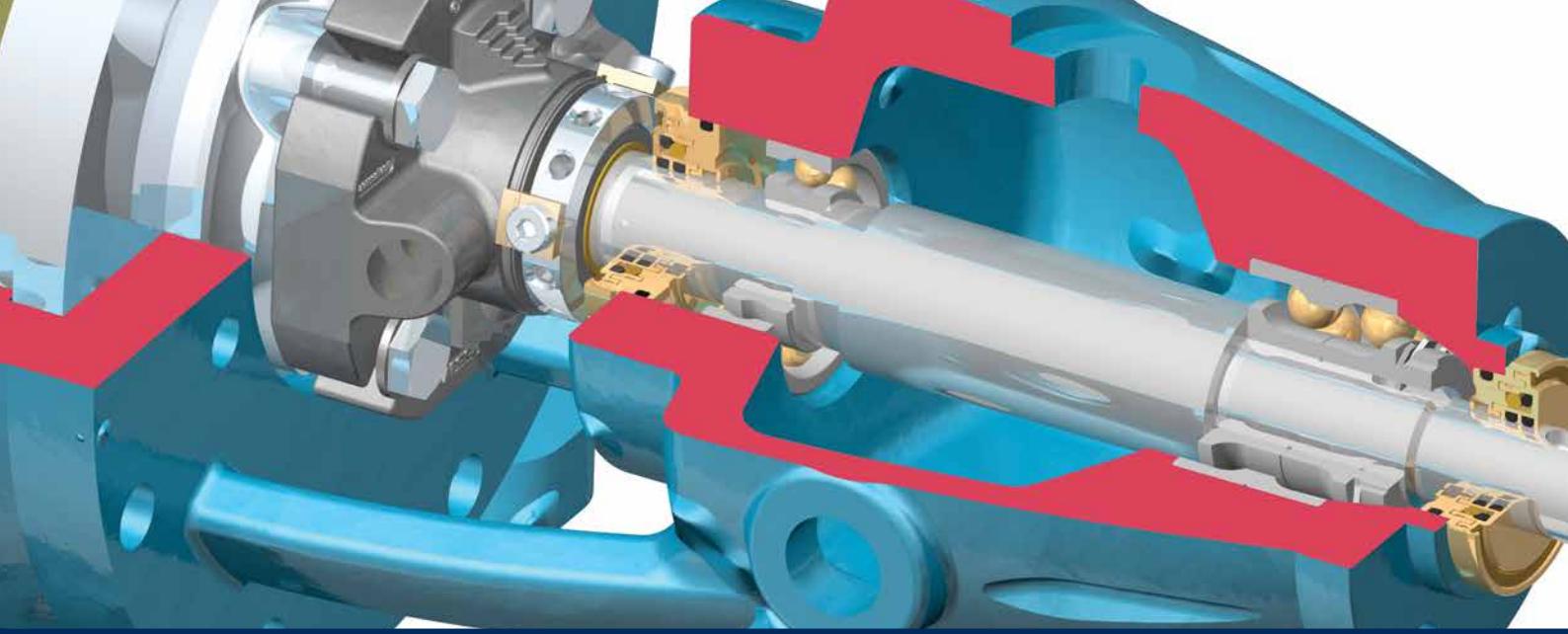
During equipment rotation a micro-gap is created, allowing equipment to breathe.



Effective Vapour-Seal When Not Rotating

Once equipment stops the micro-gap closes, forming a perfect seal. Atmosphere and water vapour are prevented from entering the bearing chamber.





Design Features

The LabTecta® IP66 technology has been further optimised to give greater protection against water ingress and oil egress.

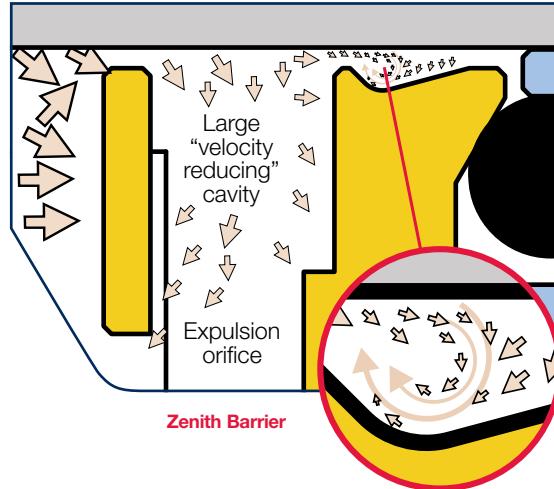
The LabTecta® technology has been combined with unique patented features to create **Optimised Protection** for industry standard bearing chambers. These features ensure the optimum operating conditions for the bearings are maintained. Oil does not escape out of the bearing chamber whilst moisture and particulates cannot enter into the bearing environment.

Zenith Barrier

Designed to keep oil In

Most of the oil splash from the bearing housing is expelled back through the velocity-reducing stator cavity and expulsion orifice.

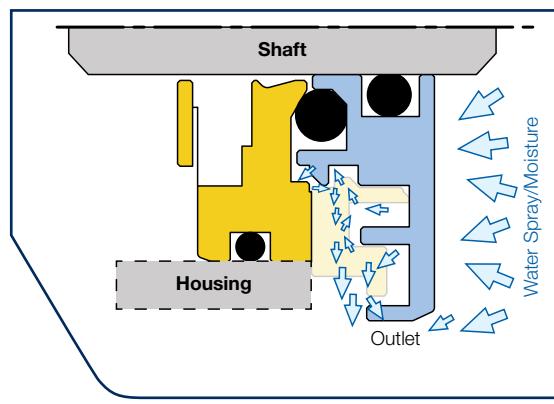
Any oil that remains is subjected to centrifugal forces from the rotating shaft. Combined with the profile of the stator and the close proximity to the shaft, this creates a standing vortex, acting as a secondary physical barrier to further oil egress.



Multi Tiered Labyrinth

Designed to keep Contaminants Out

The labyrinth design of the LabTecta®OP features a multi tiered expulsion system, stopping any water that has passed the micro labyrinth from entering further into the bearing protector.



This latest development in bearing protection further refines what is already a superb design

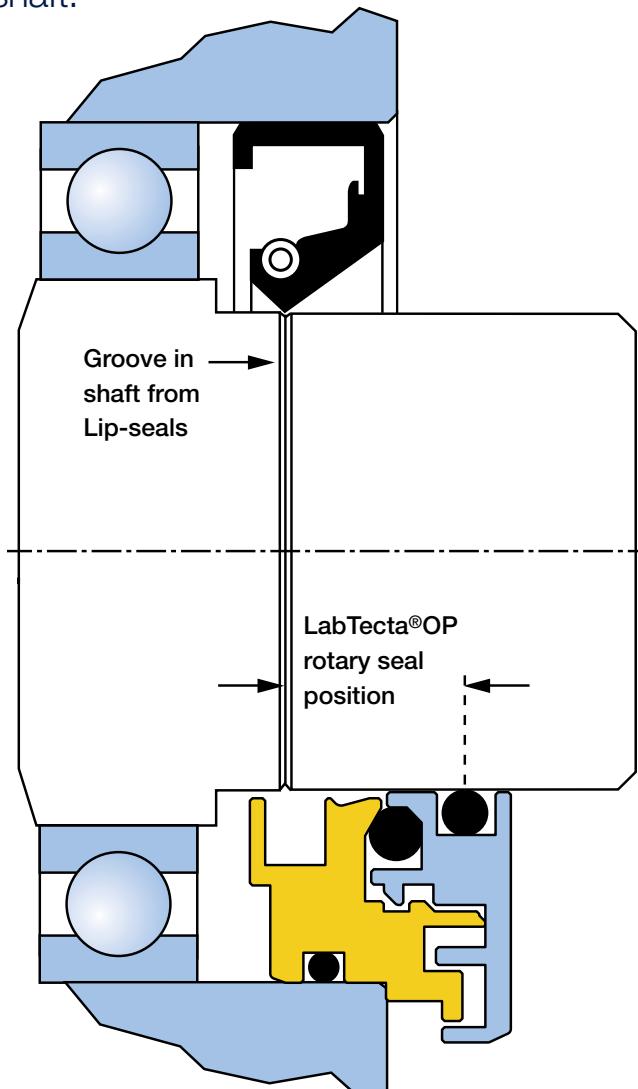
Heinz P .Bloch P.E.
Independent Professional Engineer

No Need to Refurbish a Lip-Seal Damaged Shaft

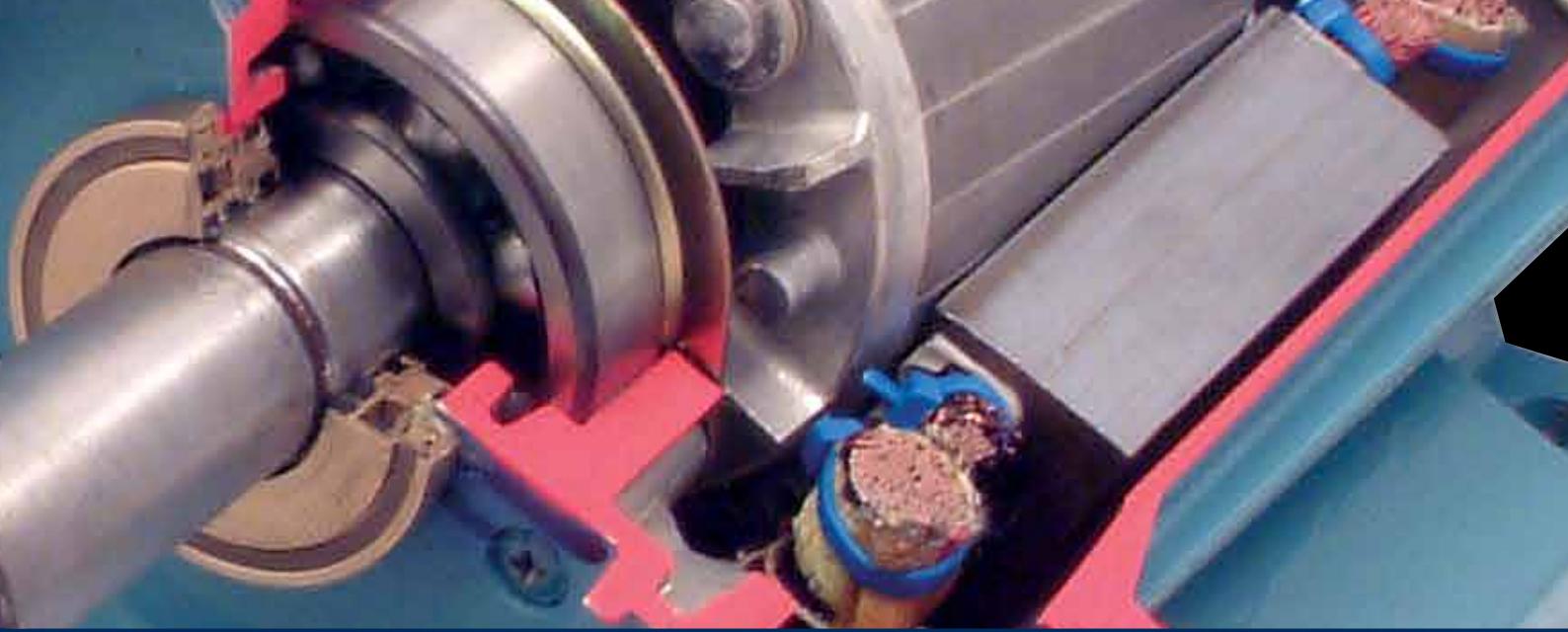
Never refurbish or replace a lip-seal worn shaft:
the permanent upgrade could be cheaper.

Lip-seals wear shafts, causing expensive damage. LabTecta®OP can permanently eliminate this expense.

Why pay for a replacement shaft when upgrading to LabTecta®OP costs less?



Eliminate Shaft Refurbishment Costs
Because LabTecta®OP is positioned differently on the shaft
there is no need to refurbish before you upgrade



Protecting Electrical Motors

Approximately 51% of motor failures** are caused by bearing failure.

LabTecta®OP products:

- Protect against the major cause of bearing failure
- Meet the requirements of IEEE standard 841-2009
- Improve electrical safety by preventing water ingress
- Eliminate motor shaft damage due to rubbing
- Are maintenance free



IEEE 841-2009 (the premier standard for electrical motors) requires an ingress protection rating of IP55 and the use of a non-contacting rotating device to seal contaminants from the bearing chamber.

** IEEE Petrochem Paper PCIC-94-01

Technical Data

Standard Sizes:

16mm - 145mm (0.750" – 5.875")

Typical incremental Size:

1mm & 0.062"

Materials:

Stator Housing Phosphor Bronze

Rotary Stainless Steel

Elastomer Options: FKM (standard), others available on request.

Sealing: LabTecta®OP IP66 & IP69K, LabTecta®T IPX5

Maximum Shaft Peripheral Speed:

Dry running 20 m/s (3940 ft/min)

Oil Splash Lubrication 20 m/s (3940 ft/min)

Grease 20 m/s (3940 ft/min)

(API 7th Edition and earlier/Flow through oil mist systems only) (For faster shaft speed applications, contact Bearing Protection division)

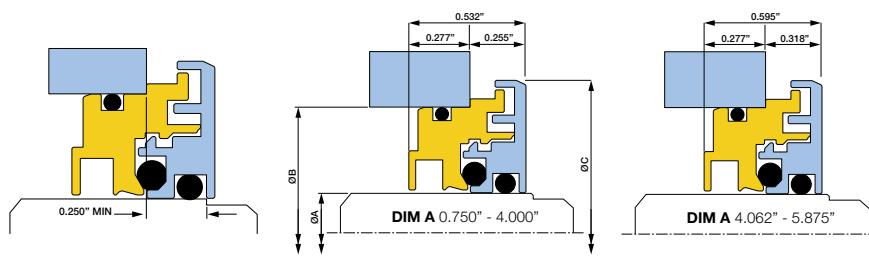
Operating Process Temperature range: -20°C to 180°C (-4°F to 356°F)

Dependent upon: Bearing Isolator material of construction, particularly elastomers – consult AESSEAL® Bearing Protection Division if in doubt.





LabTecta®OP Dimensions – 0.750" - 5.875"



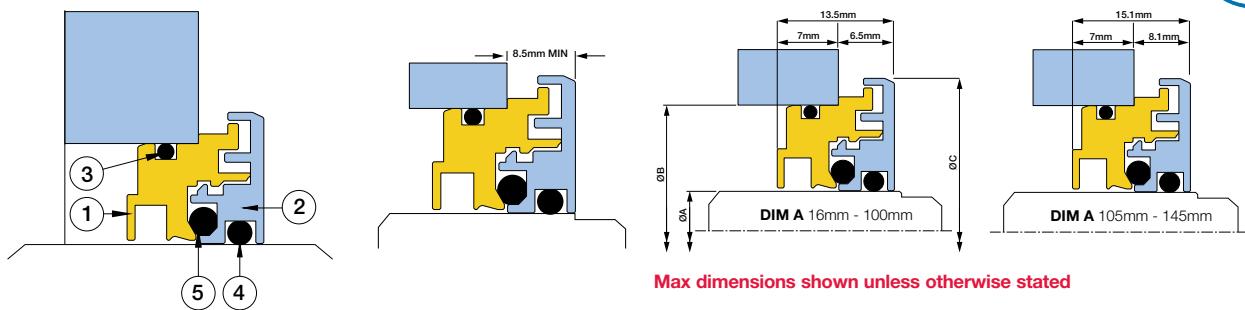
Max dimensions shown unless otherwise stated

Item Description	Material
1 LabTecta®OP Stationary	Phosphor Bronze
2 LabTecta®OP Rotary	316L Stainless Steel (std)
3 Stator Housing O-Ring	FKM
4 Rotor O-Ring	FKM
5 Dynamic O-Ring	FKM

DIM A	DIM B	DIM C	STOCK CODE
0.750	1.500	1.776	L6106-SP-001-I12-OP
	1.625	1.776	L6106-SP-001-I13-OP
	1.750	1.776	L6106-SP-001-I14-OP
	1.875	1.776	L6106-SP-001-I15-OP
0.875	1.625	1.901	L6107-SP-001-I13-OP
	1.750	1.901	L6107-SP-001-I14-OP
	1.875	1.901	L6107-SP-001-I15-OP
	2.000	1.901	L6107-SP-001-I16-OP
0.937	1.687	1.963	L61081SP-001-I141OP
	1.812	1.963	L61081SP-001-I151OP
	1.937	1.963	L61081SP-001-I161OP
	2.062	1.963	L61081SP-001-I171OP
1.000	1.750	2.026	L6108-SP-001-I14-OP
	1.875	2.026	L6108-SP-001-I15-OP
	2.000	2.026	L6108-SP-001-I16-OP
	2.125	2.026	L6108-SP-001-I17-OP
1.062	1.812	2.088	L61091SP-001-I151OP
	1.937	2.088	L61091SP-001-I161OP
	2.062	2.088	L61091SP-001-I171OP
	2.187	2.088	L61091SP-001-I181OP
1.125	1.875	2.151	L6109-SP-001-I15-OP
	2.000	2.151	L6109-SP-001-I16-OP
	2.125	2.151	L6109-SP-001-I17-OP
	2.250	2.151	L6109-SP-001-I18-OP
1.187	1.937	2.213	L61010SP-001-I161OP
	2.062	2.213	L61010SP-001-I171OP
	2.187	2.213	L61010SP-001-I181OP
	2.312	2.213	L61010SP-001-I191OP
1.250	2.000	2.276	L610-SP-001-I16-OP
	2.125	2.276	L610-SP-001-I17-OP
	2.250	2.276	L610-SP-001-I18-OP
	2.375	2.276	L610-SP-001-I19-OP
1.312	2.062	2.338	L61111SP-001-I171OP
	2.187	2.338	L61111SP-001-I181OP
	2.312	2.338	L61111SP-001-I191OP
1.375	2.125	2.401	L6111-SP-001-I17-OP
	2.250	2.401	L6111-SP-001-I18-OP
	2.375	2.401	L6111-SP-001-I19-OP
	2.500	2.401	L6111-SP-001-I20-OP
1.437	2.187	2.463	L6121SP-001-I181OP
	2.312	2.463	L6121SP-001-I191OP
	2.437	2.463	L6121SP-001-I201OP
1.500	2.250	2.526	L612-SP-001-I18-OP
	2.375	2.526	L612-SP-001-I19-OP
	2.500	2.526	L612-SP-001-I20-OP
1.562	2.312	2.588	L6131SP-001-I191OP
	2.437	2.588	L6131SP-001-I201OP
	2.562	2.588	L6131SP-001-I211OP
	2.687	2.588	L6131SP-001-I221OP
1.625	2.375	2.651	L613-SP-001-I19-OP
	2.500	2.651	L613-SP-001-I20-OP
	2.625	2.651	L613-SP-001-I21-OP
	2.750	2.651	L613-SP-001-I22-OP
1.687	2.437	2.713	L61411SP-001-I201OP
	2.562	2.713	L61411SP-001-I211OP
	2.687	2.713	L61411SP-001-I221OP
	2.812	2.713	L61411SP-001-I231OP
1.750	2.500	2.776	L614-SP-001-I20-OP
	2.625	2.776	L614-SP-001-I21-OP
	2.750	2.776	L614-SP-001-I22-OP
	2.875	2.776	L614-SP-001-I23-OP
1.812	2.562	2.838	L6151SP-001-I211OP
	2.687	2.838	L6151SP-001-I221OP
	2.812	2.838	L6151SP-001-I231OP
	2.937	2.838	L6151SP-001-I241OP
1.875	2.625	2.901	L615-SP-001-I21-OP
	2.750	2.901	L615-SP-001-I22-OP
	2.875	2.901	L615-SP-001-I23-OP
	3.000	2.901	L615-SP-001-I24-OP
1.937	2.687	2.963	L6161SP-001-I221OP
	2.812	2.963	L6161SP-001-I231OP
	2.937	2.963	L6161SP-001-I241OP
	3.062	2.963	L6161SP-001-I251OP

DIM A	DIM B	DIM C	STOCK CODE
2.000	2.750	3.026	L6116-SP-001-I22-OP
	2.875	3.026	L6116-SP-001-I23-OP
	3.000	3.026	L6116-SP-001-I24-OP
	3.125	3.026	L6116-SP-001-I25-OP
2.062	2.812	3.088	L61171SP-001-I231OP
	2.937	3.088	L61171SP-001-I241OP
	3.062	3.088	L61171SP-001-I251OP
	3.187	3.088	L61171SP-001-I261OP
2.125	2.875	3.151	L6117-SP-001-I23-OP
	3.000	3.151	L6117-SP-001-I24-OP
	3.125	3.151	L6117-SP-001-I25-OP
2.187	2.937	3.213	L61181SP-001-I241OP
	3.062	3.213	L61181SP-001-I251OP
	3.187	3.213	L61181SP-001-I261OP
2.250	3.000	3.276	L6118-SP-001-I24-OP
	3.125	3.276	L6118-SP-001-I25-OP
	3.250	3.276	L6118-SP-001-I26-OP
2.312	3.062	3.338	L61191SP-001-I251OP
	3.187	3.338	L61191SP-001-I261OP
	3.312	3.338	L61191SP-001-I271OP
2.375	3.125	3.401	L6119-SP-001-I25-OP
	3.250	3.401	L6119-SP-001-I26-OP
	3.375	3.401	L6119-SP-001-I27-OP
2.437	3.187	3.463	L61201SP-001-I261OP
	3.312	3.463	L61201SP-001-I281OP
	3.562	3.463	L61201SP-001-I291OP
2.500	3.250	3.526	L6120-SP-001-I26-OP
	3.375	3.526	L6120-SP-001-I27-OP
	3.500	3.526	L6120-SP-001-I28-OP
2.687	3.437	3.713	L61221SP-001-I281OP
	3.562	3.713	L61221SP-001-I291OP
	3.750	3.713	L61221SP-001-I301OP
2.812	3.562	3.838	L61231SP-001-I291OP
	3.687	3.838	L61231SP-001-I301OP
	3.875	3.838	L61231SP-001-I311OP
2.937	3.687	3.963	L61241SP-001-I301OP
	3.812	3.963	L61241SP-001-I311OP
	3.937	3.963	L61241SP-001-I321OP
3.000	3.750	3.776	L6122-SP-001-I28-OP
	3.625	3.776	L6122-SP-001-I29-OP
	3.750	3.776	L6122-SP-001-I30-OP
	3.875	3.776	L6122-SP-001-I31-OP
3.125	3.562	3.838	L61231SP-001-I291OP
	3.687	3.838	L61231SP-001-I301OP
	3.812	3.838	L61231SP-001-I311OP
3.285	3.687	3.963	L61241SP-001-I301OP
	3.812	3.963	L61241SP-001-I311OP
	3.937	3.963	L61241SP-001-I321OP
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	4.625	4.776	L6130-SP-001-I37-OP
	4.750	4.776	L6130-SP-001-I38-OP
3.875	4.437	4.713	L61301SP-001-I361OP
	4.562	4.713	L61301SP-001-I371OP
	4.687	4.713	L61301SP-001-I381OP
3.952	4.312	4.588	L61291SP-001-I351OP
	4.437	4.588	L61291SP-001-I361OP
	4.562	4.588	L61291SP-001-I371OP
4.000	4.250	4.526	L6128-SP-001-I34-OP
	4.375	4.526	L6128-SP-001-I35-OP
	4.500	4.526	L6128-SP-001-I36-OP
4.125	4.375	4.651	L61291SP-001-I341OP
	4.500	4.651	L61291SP-001-I351OP
	4.625	4.651	L61291SP-001-I361OP
4.187	4.312	4.651	L61291SP-001-I341OP
	4.500	4.651	L61291SP-001-I351OP
	4.625	4.651	L61291SP-001-I361OP
4.312	4.500	4.776	L61301SP-001-I341OP
	4.625	4.776	L61301SP-001-I351OP
	4.750	4.776	L61301SP-001-I361OP
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	5.250	5.401	L6135-SP-001-I43-OP
	5.375	5.401	L6135-SP-001-I431OP
	5.500	5.401	L6135-SP-001-I44-OP
4.437	5.187	5.463	L61361SP-001-I421OP
	5.312	5.463	L61361SP-001-I431OP
	5.437	5.463	L61361SP-001-I441OP
	5.562	5.463	L61361SP-001-I451OP
4.500	5.250	5.526	L6136-SP-001-I42-OP
	5.375	5.526	L6136-SP-001-I43-OP
	5.500	5.526	L6136-SP-001-I44-OP
	5.625	5.526	L6136-SP-001-I45-OP
4.625	5.312	5.588	L61371SP-001-I431OP
	5.437	5.588	L61371SP-001-I441OP
	5.562	5.588	L61371SP-001-I451OP
4.687	5.437	5.713	L61381SP-001-I441OP
	5.562	5.713	L61381SP-001-I451OP
	5.687	5.713	L61381SP-001-I461OP
4.750	5.500	5.776	L6139-SP-001-I44-OP
	5.625	5.776	L6139-SP-001-I45-OP
	5.750	5.776	L6139-SP-001-I46-OP
	5.875	5.776	L6139-SP-001-I47-OP
4.812	5.562	5.838	L61391SP-001-I451OP
	5.687	5.838	L61391SP-001-I461OP
	5.812	5.838	L61391SP-001-I471OP
	5.937	5.838	L61391SP-001-I481OP
4.875	5.625	5.901	L6139-SP-001-I45-OP
	5.750	5.901	L6139-SP-001-I46-OP
	5.875	5.901	L6139-SP-001-I47-OP
4.937	5.687	5.963	L61401SP-001-I461OP
	6.000	5.963	L61401SP-001-I471OP
	5.937	5.963	L61401SP-001-I481OP
5.000	5.750	6.026	L6140-SP-001-I46-OP
	5.875	6.026	L6140-SP-001-I47-OP
	6.000	6.026	L6140-SP-001-I48-OP
5.125	5.875	6.151	L6141-SP-001-I47-OP
	6.000	6.151	L6141-SP-001-I48-OP
	6.250	6.151	L6141-SP-001-I50-OP
5.250	6.000	6.276	L6142-SP-001-I48-OP
	6.125	6.276	L6142-SP-001-I49-OP
	6.250	6.276	L6142-SP-001-I50-OP
5.375	6.125	6.401	L6143-SP-001-I49-OP
	6.250	6.401	L6143-SP-001-I50-OP
	6.375	6.401	L6143-SP-001-I51-OP
5.500	6.250	6.526	L6144-SP-001-I50-OP
	6.375	6.526	L6144-SP-001-I51-OP
	6.500	6.526	L6144-SP-001-I52-OP
5.625	6.375	6.651	L6145-SP-001-I51-OP
	6.500	6.651	L6145-SP-001-I52-OP
	6.625	6.651	L6145-SP-001-I53-OP
5.625	6.375	6.651	L6145-SP-001-I52-OP
	6.500	6.651	L6145-SP-001-I53-OP
	6.625	6.651	L6145-SP-001-I54-OP
5.750	6.500	6.776	L6146-SP-001-I52-OP

LabTecta®OP Dimensions – 16.0mm - 145.0mm



Max dimensions shown unless otherwise stated

DIM A	DIM B	DIM C	STOCK CODE
16	34	42.06	L6M016SP-001-M034-OP
	36	42.06	L6M016SP-001-M036-OP
	38	42.06	L6M016SP-001-M038-OP
	41	42.06	L6M016SP-001-M041-OP
18	36	44.06	L6M018SP-001-M036-OP
	38	44.06	L6M018SP-001-M038-OP
	40	44.06	L6M018SP-001-M040-OP
	43	44.06	L6M018SP-001-M043-OP
20	38	46.06	L6M020SP-001-M038-OP
	40	46.06	L6M020SP-001-M040-OP
	42	46.06	L6M020SP-001-M042-OP
	45	46.06	L6M020SP-001-M045-OP
22	40	48.06	L6M022SP-001-M040-OP
	42	48.06	L6M022SP-001-M042-OP
	44	48.06	L6M022SP-001-M044-OP
	47	48.06	L6M022SP-001-M047-OP
24	42	50.06	L6M024SP-001-M042-OP
	44	50.06	L6M024SP-001-M044-OP
	46	50.06	L6M024SP-001-M046-OP
	49	50.06	L6M024SP-001-M049-OP
25	43	51.06	L6M025SP-001-M043-OP
	45	51.06	L6M025SP-001-M045-OP
	47	51.06	L6M025SP-001-M047-OP
	50	51.06	L6M025SP-001-M050-OP
28	46	54.06	L6M028SP-001-M046-OP
	48	54.06	L6M028SP-001-M048-OP
	50	54.06	L6M028SP-001-M050-OP
	53	54.06	L6M028SP-001-M053-OP
30	48	56.06	L6M030SP-001-M048-OP
	50	56.06	L6M030SP-001-M050-OP
	52	56.06	L6M030SP-001-M052-OP
	55	56.06	L6M030SP-001-M055-OP
32	50	58.06	L6M032SP-001-M050-OP
	52	58.06	L6M032SP-001-M052-OP
	54	58.06	L6M032SP-001-M054-OP
	57	58.06	L6M032SP-001-M057-OP
33	51	59.06	L6M033SP-001-M051-OP
	53	59.06	L6M033SP-001-M053-OP
	55	59.06	L6M033SP-001-M055-OP
	58	59.06	L6M033SP-001-M058-OP
35	53	61.06	L6M035SP-001-M053-OP
	55	61.06	L6M035SP-001-M055-OP
	57	61.06	L6M035SP-001-M057-OP
	60	61.06	L6M035SP-001-M060-OP
38	56	64.06	L6M038SP-001-M056-OP
	58	64.06	L6M038SP-001-M058-OP
	60	64.06	L6M038SP-001-M060-OP
	63	64.06	L6M038SP-001-M063-OP
40	58	66.06	L6M040SP-001-M058-OP
	60	66.06	L6M040SP-001-M060-OP
	62	66.06	L6M040SP-001-M062-OP
	65	66.06	L6M040SP-001-M065-OP
43	61	69.06	L6M043SP-001-M061-OP
	63	69.06	L6M043SP-001-M063-OP
	65	69.06	L6M043SP-001-M065-OP
	68	69.06	L6M043SP-001-M068-OP

DIM A	DIM B	DIM C	STOCK CODE
45	65	71.06	L6M045SP-001-M065-OP
	70	71.06	L6M045SP-001-M070-OP
	71	71.06	L6M045SP-001-M071-OP
	75	71.06	L6M045SP-001-M075-OP
48	68	74.06	L6M048SP-001-M068-OP
	73	74.06	L6M048SP-001-M073-OP
	74	74.06	L6M048SP-001-M074-OP
	78	74.06	L6M048SP-001-M078-OP
50	70	76.06	L6M050SP-001-M070-OP
	75	76.06	L6M050SP-001-M075-OP
	76	76.06	L6M050SP-001-M076-OP
	80	76.06	L6M050SP-001-M080-OP
52	72	78.06	L6M052SP-001-M072-OP
	77	78.06	L6M052SP-001-M077-OP
	78	78.06	L6M052SP-001-M078-OP
	82	78.06	L6M052SP-001-M082-OP
53	73	79.06	L6M053SP-001-M073-OP
	78	79.06	L6M053SP-001-M078-OP
	79	79.06	L6M053SP-001-M079-OP
	83	79.06	L6M053SP-001-M083-OP
55	75	81.06	L6M055SP-001-M075-OP
	80	81.06	L6M055SP-001-M080-OP
	81	81.06	L6M055SP-001-M081-OP
	85	81.06	L6M055SP-001-M085-OP
58	78	84.06	L6M058SP-001-M078-OP
	83	84.06	L6M058SP-001-M083-OP
	84	84.06	L6M058SP-001-M084-OP
	88	84.06	L6M058SP-001-M088-OP
60	80	86.06	L6M060SP-001-M080-OP
	85	86.06	L6M060SP-001-M085-OP
	86	86.06	L6M060SP-001-M086-OP
	90	86.06	L6M060SP-001-M090-OP
63	83	89.06	L6M063SP-001-M083-OP
	88	89.06	L6M063SP-001-M088-OP
	89	89.06	L6M063SP-001-M089-OP
	93	89.06	L6M063SP-001-M093-OP
65	85	91.06	L6M065SP-001-M085-OP
	90	91.06	L6M065SP-001-M090-OP
	91	91.06	L6M065SP-001-M091-OP
	95	91.06	L6M065SP-001-M095-OP
68	88	94.06	L6M068SP-001-M088-OP
	94	94.06	L6M068SP-001-M093-OP
	94	94.06	L6M068SP-001-M094-OP
	98	94.06	L6M068SP-001-M098-OP
70	90	96.06	L6M070SP-001-M090-OP
	95	96.06	L6M070SP-001-M095-OP
	96	96.06	L6M070SP-001-M096-OP
	100	96.06	L6M070SP-001-M100-OP
75	95	101.06	L6M075SP-001-M095-OP
	100	101.06	L6M075SP-001-M100-OP
	101	101.06	L6M075SP-001-M101-OP
	105	101.06	L6M075SP-001-M105-OP
80	100	106.06	L6M080SP-001-M100-OP
	105	106.06	L6M080SP-001-M105-OP
	106	106.06	L6M080SP-001-M106-OP
	110	106.06	L6M080SP-001-M110-OP

Dimensional Information (mm)

OEM Specific Range

Models available for most popular pump models

GOULDS

3196, 3175, 3700, 3410,
3796, 3996

Other models available -
Contact AESSEAL®

KSB

MegaCPK, CPK, RPH

Other models available -
Contact AESSEAL®

FLOWSERVE

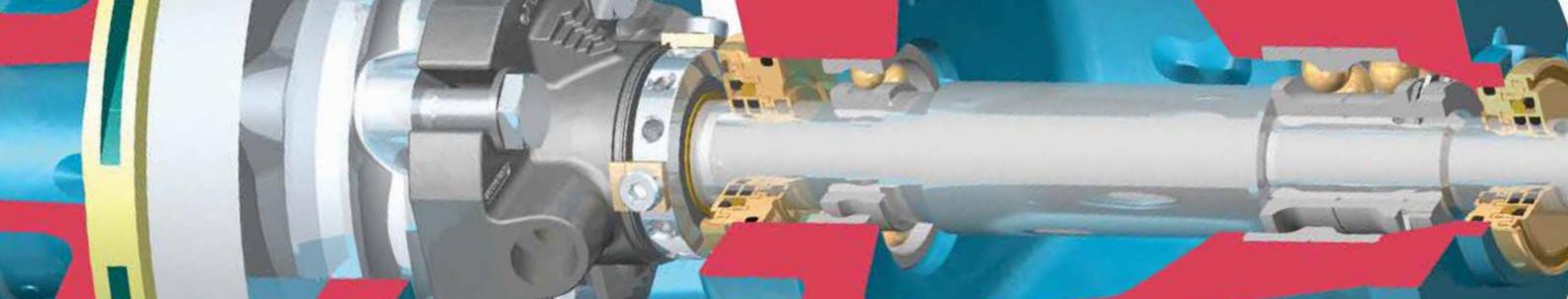
DURCO, RV9

Other models available -
Contact AESSEAL®

SUNDYNE

MARELLI

Other models available -
Contact AESSEAL®



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2022

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