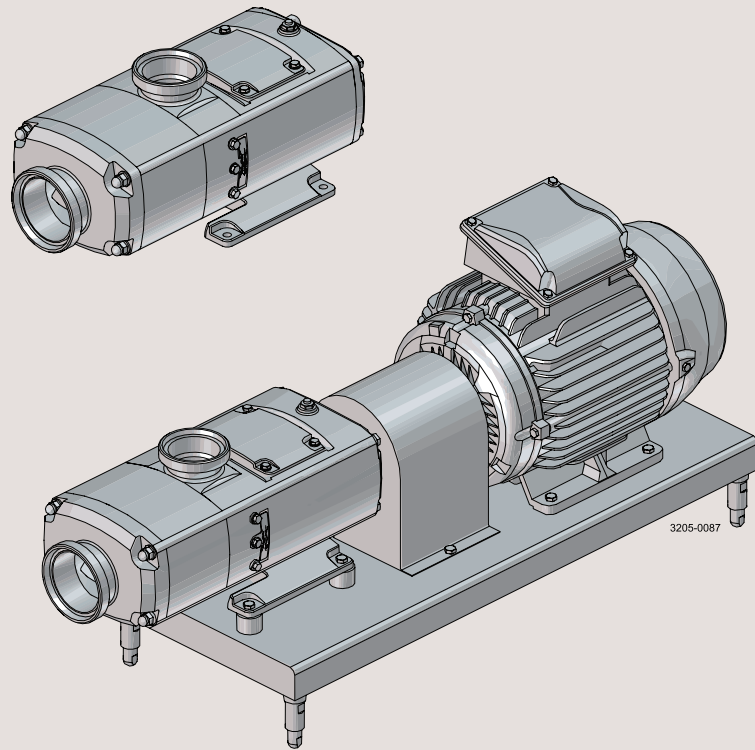




## Spare Parts

OS Twin Screw Pump Range



100000821-EN12 2023-05

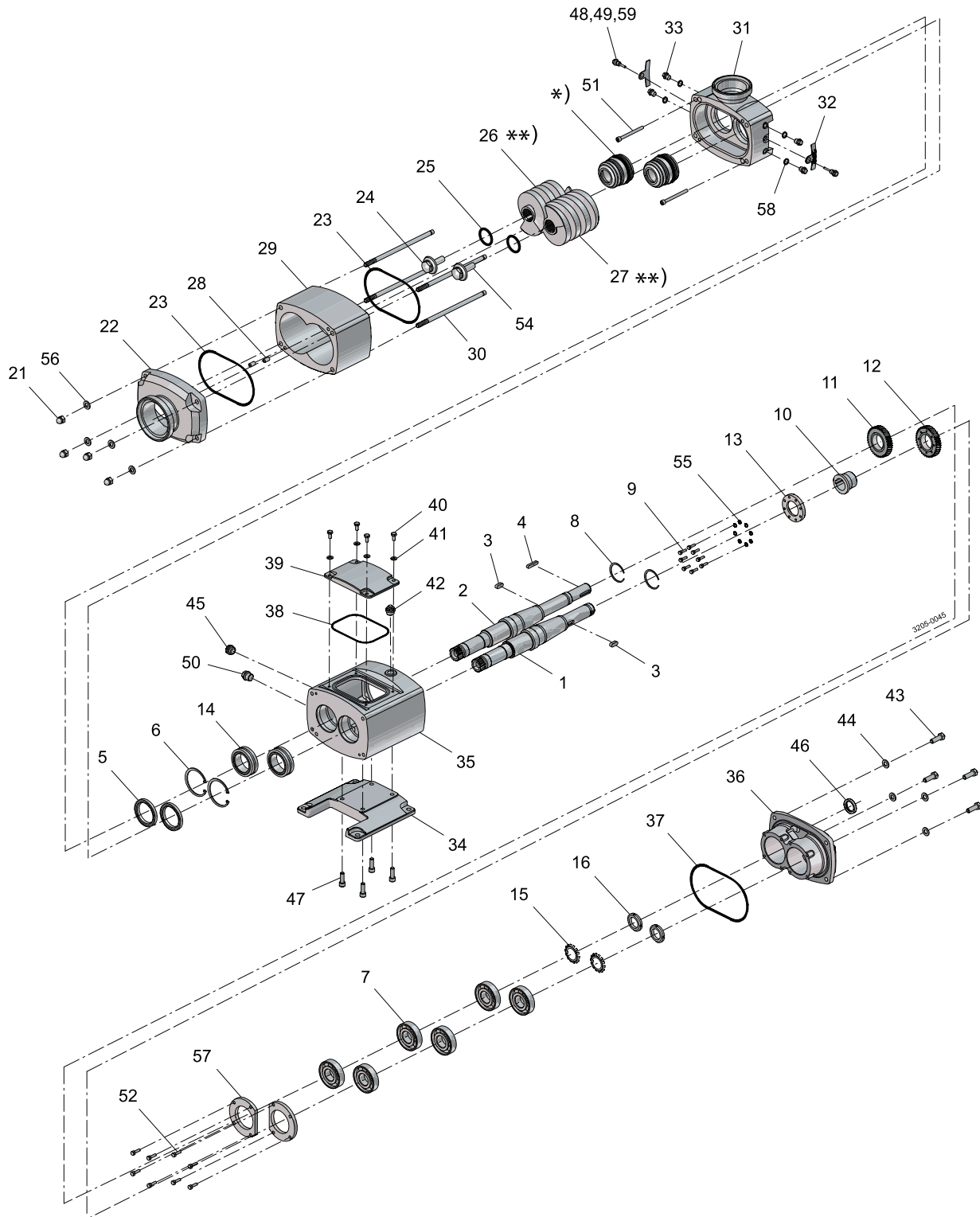
Original manual



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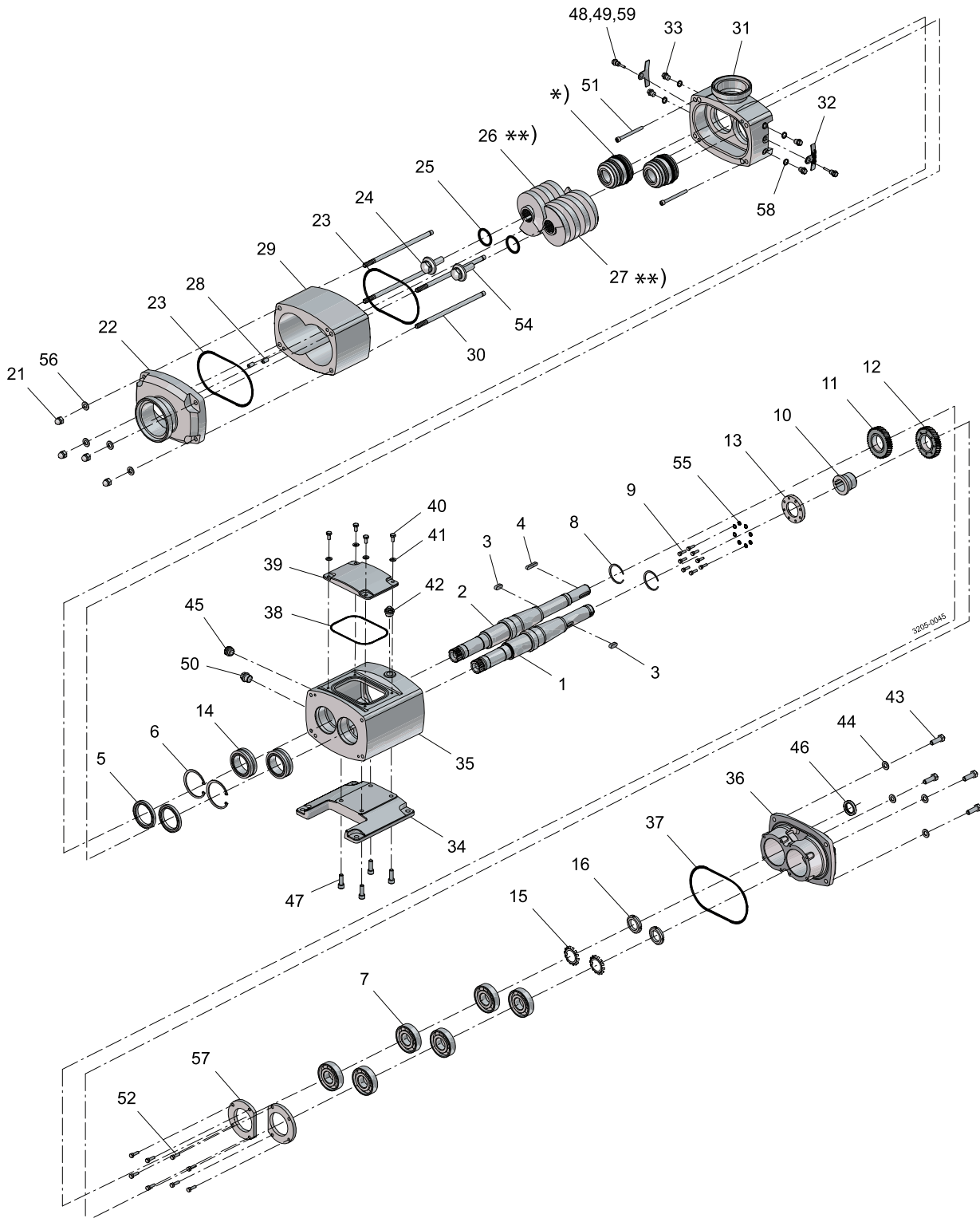
*The information herein is correct at the time of issue but may be subject to change without prior notice*

1. OS 12-14-16 Twin Screw Pump Range .....	4
2. OS 22-24-26 Twin Screw Pump Range .....	8
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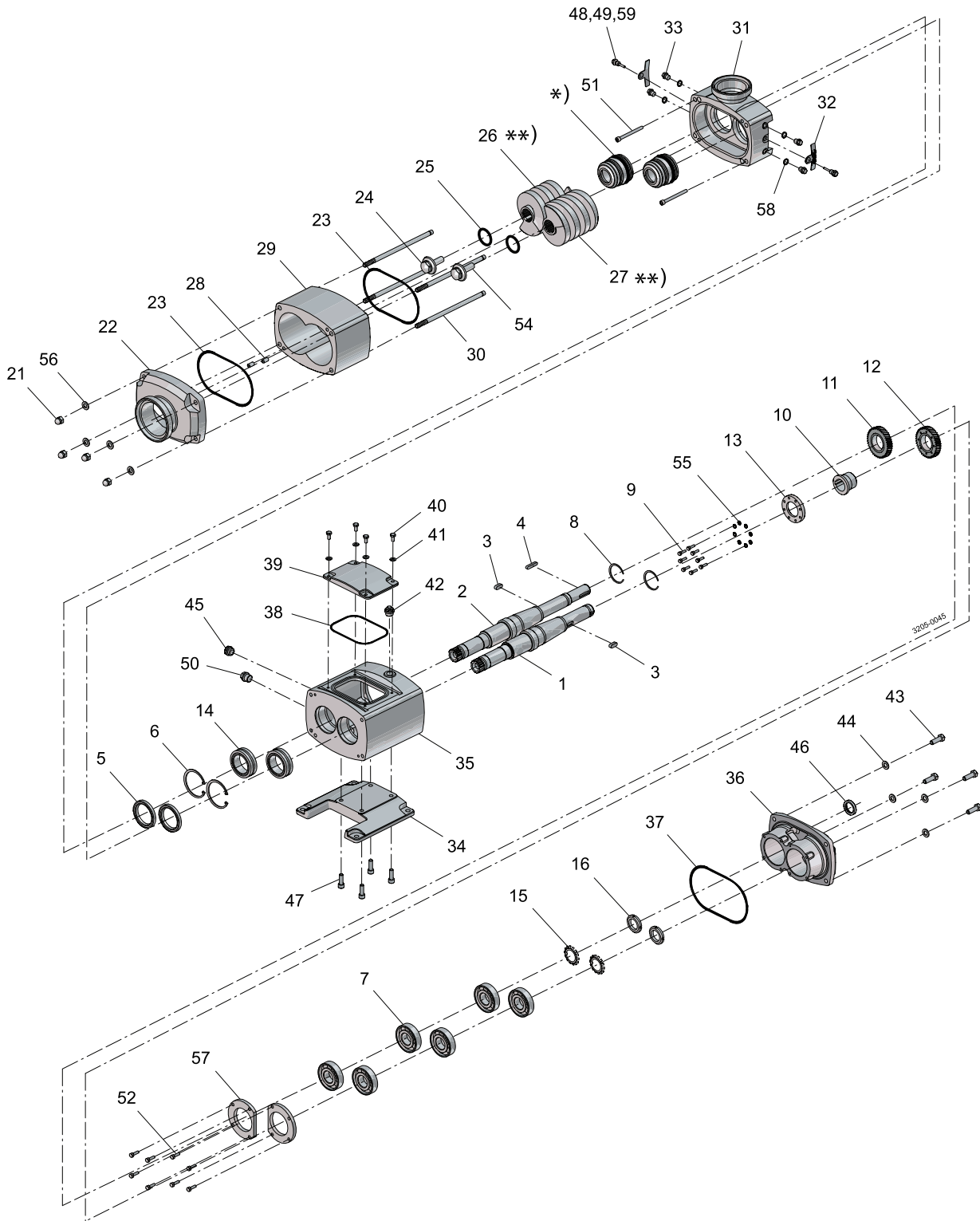
\* Cartridge Seal  
 \*\* When replacing Feed Screw it is recommended to replace both Left and Right version

Pos	Qty	Denomination	Item no.	Item no.	Item no.
			OS12	OS14	OS16
01	1	Auxiliary Shaft	9650100101	9650100101	9650100101
02	1	Drive Shaft	9650100201	9650100201	9650100201
03	1	Gear Key	9650100301	9650100301	9650100301
04	1	Drive Shaft Key	9650100401	9650100401	9650100401
05	2	Front Lip Seal	9650100501	9650100501	9650100501
06	2	Circlip	9650100601	9650100601	9650100601
07	6	Bearing	9650100701	9650100701	9650100701
08	2	Circlip	9650100801	9650100801	9650100801
09	8	Gear Sleeve Bolts	9650100901	9650100901	9650100901
10	1	Gear Sleeve	9650101001	9650101001	9650101001
11	1	Timing Gear, Drive Shaft	9650101101	9650101101	9650101101
12	1	Timing Gear, Auxiliary Shaft	9650101201	9650101201	9650101201
13	1	Timing Gear, Clamp Plate	9650101301	9650101301	9650101301
14	2	Bearing	9650101401	9650101401	9650101401
15	2	Tab Washer	9650101501	9650101501	9650101501
16	2	Bearing Nut	9650101601	9650101601	9650101601
21	4	Pump Cover Nut	9650102101	9650102101	9650102101
22	1	Pump Cover, DIN11851 80mm	9650102201	9650102201	9650102201
	1	Pump Cover, DIN11851 65mm	9650102202	9650102202	9650102202
	1	Pump Cover, DIN11851 50mm	9650102203	9650102203	9650102203
	1	Pump Cover, Tri-Clamp 80mm	9650102204	9650102204	9650102204
	1	Pump Cover, Tri-Clamp 65mm	9650102205	9650102205	9650102205
	1	Pump Cover, Tri-Clamp 50mm	9650102206	9650102206	9650102206
	1	Pump Cover, RJT 80mm	9650102207	9650102207	9650102207
	1	Pump Cover, RJT 65mm	9650102208	9650102208	9650102208
	1	Pump Cover, RJT 50mm	9650102209	9650102209	9650102209
	1	Pump Cover, SMS 80mm	9650102210	9650102210	9650102210
	1	Pump Cover, SMS 65mm	9650102211	9650102211	9650102211
	1	Pump Cover, SMS 50mm	9650102212	9650102212	9650102212
	1	Pump Cover, IDF 80mm	9650102213	9650102213	9650102213
	1	Pump Cover, IDF 65mm	9650102214	9650102214	9650102214
	1	Pump Cover, IDF 50mm	9650102215	9650102215	9650102215
	1	Pump Cover, DIN11864-1-A 80mm	9650102216	9650102216	9650102216
	1	Pump Cover, DIN11864-1-A 65mm	9650102217	9650102217	9650102217
	1	Pump Cover, DIN11864-1-A 50mm	9650102218	9650102218	9650102218
	1	Pump Cover, DIN11864-1-C 80mm	9650102219	9650102219	9650102219
	1	Pump Cover, DIN11864-1-C 65mm	9650102220	9650102220	9650102220
	1	Pump Cover, DIN11864-1-C 50mm	9650102221	9650102221	9650102221
	1	Pump Cover, DIN11864-2-A 80mm	9650102222	9650102222	9650102222
	1	Pump Cover, DIN11864-2-A 65mm	9650102223	9650102223	9650102223
	1	Pump Cover, DIN11864-2-A 50mm	9650102224	9650102224	9650102224
	1	Pump Cover, DIN11864-2-C 80mm	9650102225	9650102225	9650102225
	1	Pump Cover, DIN11864-2-C 65mm	9650102226	9650102226	9650102226
	1	Pump Cover, DIN11864-2-C 50mm	9650102227	9650102227	9650102227
	1	Pump Cover, Rectangular	9650102299	9650102299	9650102299
23	2	Pump Casing, Elastomer EPDM	9650102301	9650102301	9650102301
	2	Pump Casing, Elastomer FPM	9650102302	9650102302	9650102302
	2	Pump Casing, Elastomer FFPM	9650102303	9650102303	9650102303
24	2	Feed Screw Nut	9650102401	9650102401	9650102401
25	2	Feed Screw, Elastomer EPDM	9650202501	9650202501	9650202501
	2	Feed Screw, Elastomer FPM	9650202502	9650202502	9650202502
	2	Feed Screw, Elastomer FFPM	9650202503	9650202503	9650202503
26	1	Feed Screw, Left Standard	9650122601	9650142601	9650162601
	1	Feed Screw, Left Hardened	9650122602	9650142602	9650162602
27	1	Feed Screw, Right Standard	9650122701	9650142701	9650162701
	1	Feed Screw, Right Hardened	9650122702	9650142702	9650162702
28	6	Pump Casing, Dowels	9650002801	9650002801	9650002801
29	1	Pump Casing, Hardened	9650102901	9650102901	9650102901
	1	Pump Casing, Hardened For Heating Jacket	9650102903	9650102903	9650102903

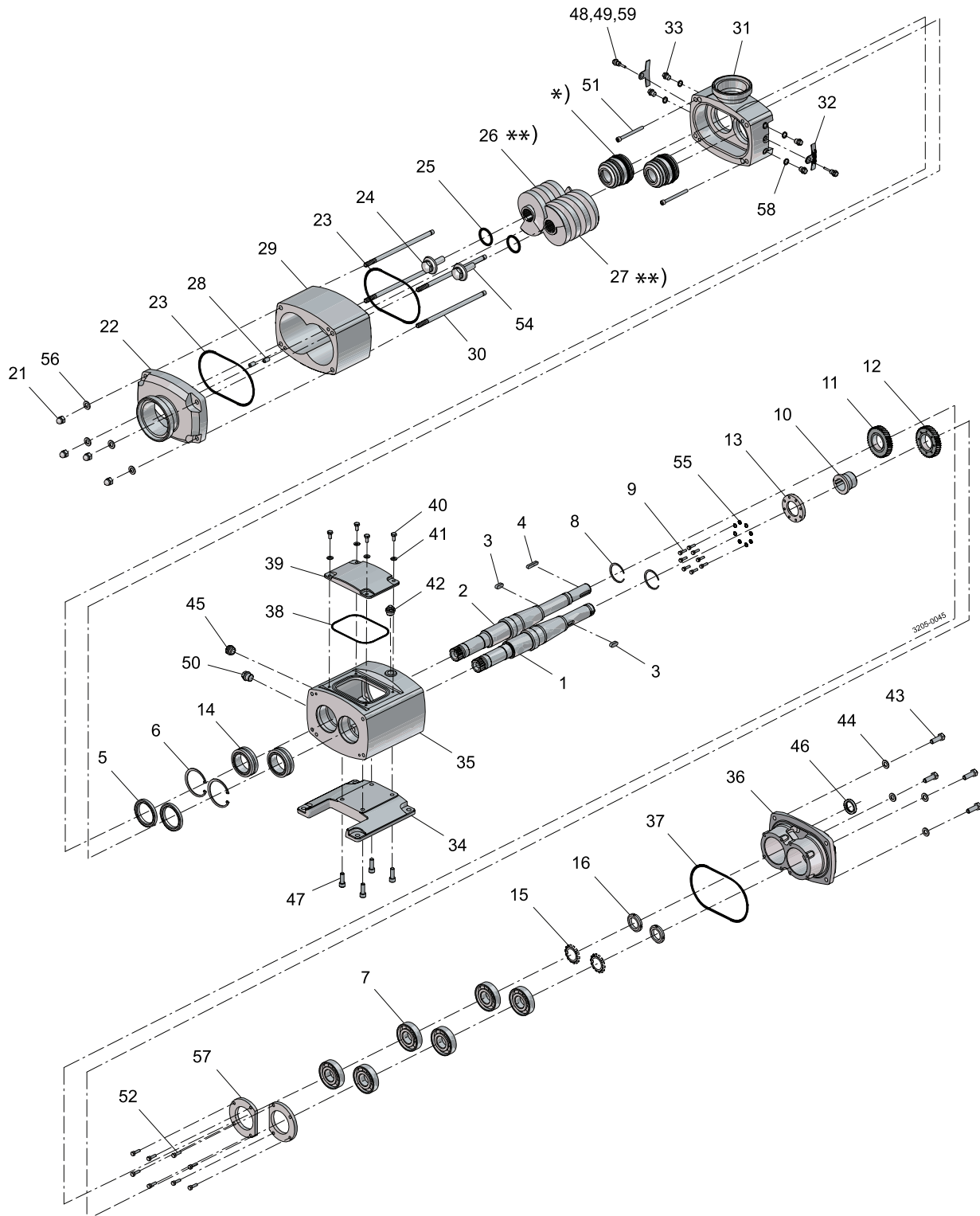


\* Cartridge Seal  
 \*\* When replacing Feed Screw it is recommended to replace both Left and Right version

Pos	Qty	Denomination	Item no.	Item no.	Item no.
			OS12	OS14	OS16
30	4	Pump Casing Studs	9650103001	9650103001	9650103001
31	1	Seal Housing, DIN11851 65mm	9650103101	9650103101	9650103101
	1	Seal Housing, DIN11851 50mm	9650103102	9650103102	9650103102
	1	Seal Housing, DIN11851 40mm	9650103103	9650103103	9650103103
	1	Seal Housing, Tri-Clamp 65mm	9650103104	9650103104	9650103104
	1	Seal Housing, Tri-Clamp 50mm	9650103105	9650103105	9650103105
	1	Seal Housing, Tri-Clamp 40mm	9650103106	9650103106	9650103106
	1	Seal Housing, RJT 65mm	9650103107	9650103107	9650103107
	1	Seal Housing, RJT 50mm	9650103108	9650103108	9650103108
	1	Seal Housing, RJT 40mm	9650103109	9650103109	9650103109
	1	Seal Housing, SMS 65mm	9650103110	9650103110	9650103110
	1	Seal Housing, SMS 50mm	9650103111	9650103111	9650103111
	1	Seal Housing, SMS 40mm	9650103112	9650103112	9650103112
	1	Seal Housing, IDF 65mm	9650103113	9650103113	9650103113
	1	Seal Housing, IDF 50mm	9650103114	9650103114	9650103114
	1	Seal Housing, IDF 40mm	9650103115	9650103115	9650103115
	1	Seal Housing, DIN11864-1-A 65mm	9650103116	9650103116	9650103116
	1	Seal Housing, DIN11864-1-A 50mm	9650103117	9650103117	9650103117
	1	Seal Housing, DIN11864-1-A 40mm	9650103118	9650103118	9650103118
	1	Seal Housing, DIN11864-1-C 65mm	9650103119	9650103119	9650103119
	1	Seal Housing, DIN11864-1-C 50mm	9650103120	9650103120	9650103120
	1	Seal Housing, DIN11864-1-C 40mm	9650103121	9650103121	9650103121
	1	Seal Housing, DIN11864-2-A 65mm	9650103122	9650103122	9650103122
	1	Seal Housing, DIN11864-2-A 50mm	9650103123	9650103123	9650103123
	1	Seal Housing, DIN11864-2-A 40mm	9650103124	9650103124	9650103124
	1	Seal Housing, DIN11864-2-C 65mm	9650103125	9650103125	9650103125
	1	Seal Housing, DIN11864-2-C 50mm	9650103126	9650103126	9650103126
	1	Seal Housing, DIN11864-2-C 40mm	9650103127	9650103127	9650103127
32	2	Gland Guard	9650103201	9650103201	9650103201
33	4	Flush Plugs	9650103301	9650103301	9650103301
	4	Flush Caps	9650103302	9650103302	9650103302
34	1	Foot	9650103401	9650103401	9650103401
35	1	Gearbox	9650103501	9650103501	9650103501
36	1	Gearbox End Cover	9650103601	9650103601	9650103601
37	1	Gearbox End Cover, O Ring	9650103701	9650103701	9650103701
38	1	Gearbox Top Cover, O Ring	9650103801	9650103801	9650103801
39	1	Gearbox Top Cover	9650103901	9650103901	9650103901
40	4	Gearbox Top Cover, Bolts	9650004001	9650004001	9650004001
41	4	Gearbox Top Cover, Washers	9650004101	9650004101	9650004101
42	1	Filler Plug	9650004201	9650004201	9650004201
43	4	Gearbox, End Cover Bolts	9650104301	9650104301	9650104301
44	4	Gearbox, End Cover Washers	9650204401	9650204401	9650204401
45	1	Sight Glass	9650004501	9650004501	9650004501
46	1	Rear Lip Seal	9650104601	9650104601	9650104601
47	4	Gearbox Foot Screw	9650104701	9650104701	9650104701
48	2	Gland Guard, Plug	9650004801	9650004801	9650004801
49	2	Seal Pin	9650104901	9650104901	9650104901
50	1	Washer Gearbox, Plug	9650005001	9650005001	9650005001
51	2	Cap screw	9650105101	9650105101	9650105101
52	8	Hex bolt	9650105201	9650105201	9650105201
54	2	Stud bolt	9650105401	9650105401	9650105401
55	1	Washer	9650105501	9650105501	9650105501
56	4	Washer	9650204401	9650204401	9650204401
57	2	Bearing Retainer	9650105701	9650105701	9650105701
58	4	Washer Seal Ring	9650005801	9650005801	9650005801
59	2	Gland Guard Screw, O Ring FPM	9650005901	9650005901	9650005901
60	2	Heating Pipe Union, - Not Shown	9650306001	9650306001	9650306001
61	2	Heating Pipe Elbow, - Not Shown	9650306101	9650306101	9650306101
62	1	Heating Pipe, - Not Shown	9650106201	9650106201	9650106201

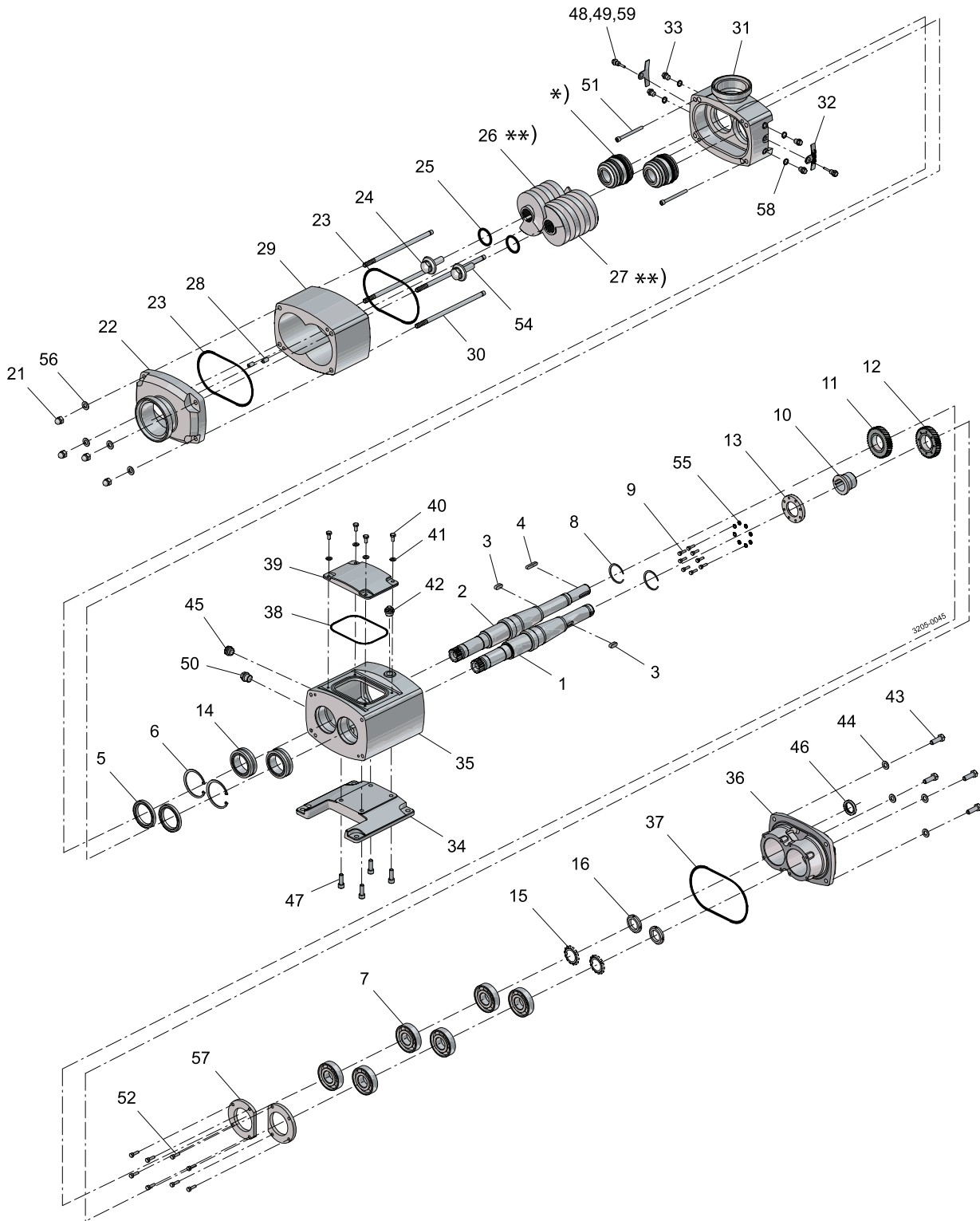


Pos	Qty	Denomination	Item no.	Item no.	Item no.
			OS22	OS24	OS26
1	1	Auxiliary Shaft .....	9650200101	9650200101	9650200101
2	1	Drive Shaft .....	9650200201	9650200201	9650200201
3	1	Gear Key .....	9650200301	9650200301	9650200301
4	1	Drive Shaft Key .....	9650200401	9650200401	9650200401
5	2	Front Lip Seal .....	9650200501	9650200501	9650200501
6	2	Circlip .....	9650200601	9650200601	9650200601
7	6	Ball Bearing .....	9650200701	9650200701	9650200701
8	2	Circlip .....	9650200801	9650200801	9650200801
9	8	Gear Sleeve Bolts .....	9650200901	9650200901	9650200901
10	1	Gear Sleeve .....	9650201001	9650201001	9650201001
11	1	Timing Gear Drive Shaft .....	9650201101	9650201101	9650201101
12	1	Timing Gear Auxilliary Shaft .....	9650201201	9650201201	9650201201
13	1	Timing Gear Clamp Plate .....	9650201301	9650201301	9650201301
14	2	Needle Bearing .....	9650201401	9650201401	9650201401
15	2	Tab Washer .....	9650201501	9650201501	9650201501
16	2	Bearing Nut .....	9650201601	9650201601	9650201601
21	4	Front Cover Nut .....	9650202101	9650202101	9650202101
22	1	Pump Cover, DIN11851 80mm .....	9650202201	9650202201	9650202201
	1	Front Cover, DIN11851 65m .....	9650202202	9650202202	9650202202
	1	Pump Cover, DIN11851 50mm .....	9650202203	9650202203	9650202203
	1	Pump Cover, Tri-Clamp 80m .....	9650202204	9650202204	9650202204
	1	Pump Cover, Tri-Clamp 65mm .....	9650202205	9650202205	9650202205
	1	Pump Cover, Tri-Clam 50mm .....	9650202206	9650202206	9650202206
	1	Pump Cover, RJT 80mm .....	9650202207	9650202207	9650202207
	1	Pump Cover, RJT 65mm .....	9650202208	9650202208	9650202208
	1	Pump Cover, RJT 50mm .....	9650202209	9650202209	9650202209
	1	Pump Cover, SMS 80mm .....	9650202210	9650202210	9650202210
	1	Pump Cover, SMS 65mm .....	9650202211	9650202211	9650202211
	1	Pump Cover, SMS 50mm .....	9650202212	9650202212	9650202212
	1	Pump Cover, IDF 80mm .....	9650202213	9650202213	9650202213
	1	Pump Cover, IDF 65mm .....	9650202214	9650202214	9650202214
	1	Pump Cover, IDF 50mm .....	9650202215	9650202215	9650202215
	1	Pump Cover, DIN11864-1-A 80mm .....	9650202216	9650202216	9650202216
	1	Pump Cover, DIN11864-1-A 65mm .....	9650202217	9650202217	9650202217
	1	Pump Cover, DIN11864-1-A 50mm .....	9650202218	9650202218	9650202218
	1	Pump Cover, DIN11864-1-C 80mm .....	9650202219	9650202219	9650202219
	1	Pump Cover, DIN11864-1-C 65mm .....	9650202220	9650202220	9650202220
	1	Pump Cover, DIN11864-1-C 50mm .....	9650202221	9650202221	9650202221
	1	Pump Cover, DIN11864-2-A 80mm .....	9650202222	9650202222	9650202222
	1	Pump Cover, DIN11864-2-A 65mm .....	9650202223	9650202223	9650202223
	1	Pump Cover, DIN11864-2-A 50mm .....	9650202224	9650202224	9650202224
	1	Pump Cover, DIN11864-2-C 80mm .....	9650202225	9650202225	9650202225
	1	Pump Cover, DIN11864-2-C 65mm .....	9650202226	9650202226	9650202226
	1	Pump Cover, DIN11864-2-C 50mm .....	9650202227	9650202227	9650202227
	1	Pump Cover, Rectangular .....	9650202299	9650202299	9650202299
23	2	Pump Casing Elastomer, EPDM .....	9650202301	9650202301	9650202301
	2	Pump Casing Elastomer, FPM .....	9650202302	9650202302	9650202302
	2	Pump Casing Elastomer, FFPM .....	9650202303	9650202303	9650202303
24	2	Feed Screw Nut .....	9650202401	9650202401	9650202401
25	2	Feed Screw Elastomer, EPDM .....	9650202501	9650202501	9650202501
	2	Feed Screw Elastomer, FPM .....	9650202502	9650202502	9650202502
	2	Feed Screw Elastomer, FFPM .....	9650202503	9650202503	9650202503
26	1	Feed Screw, Left Stanard .....	9650222601	9650242601	9650262601
	1	Feed Screw, Left Hardened .....	9650222602	9650242602	9650262602
27	1	Feed Screw, Right Standard .....	9650222701	9650242701	9650262701
	1	Feed Screw, Right Hardened .....	9650222702	9650242702	9650262702
28	6	Pump Casing Dowels .....	9650002801	9650002801	9650002801
29	1	Pump Casing, Hardened .....	9650202901	9650202901	9650202901
	1	Pump Casing, Hardened For Heating Jacket .....	9650202903	9650202903	9650202903



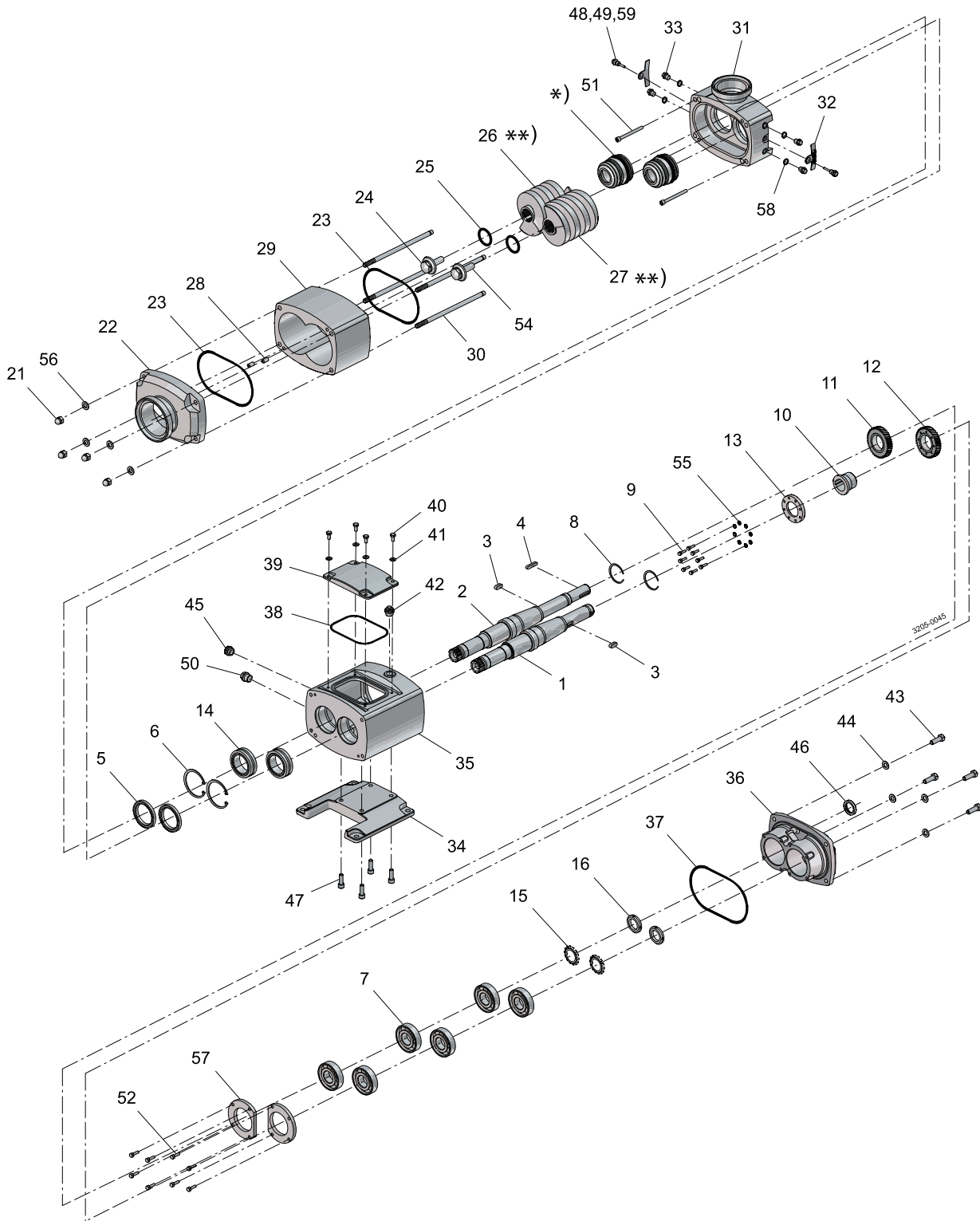
\* Cartridge Seal  
 \*\* When replacing Feed Screw it is recommended to replace both Left and Right version

Pos	Qty	Denomination	Item no.	Item no.	Item no.
			OS22	OS24	OS26
30	4	Pump Casing Studs, M10x200	9650203001	9650203001	9650203001
31	1	Seal Housing, DIN11851 65mm	9650203101	9650203101	9650203101
	1	Seal Housing, DIN11851 50mm	9650203102	9650203102	9650203102
	1	Seal Housing, DIN11851 40mm	9650203103	9650203103	9650203103
	1	Seal Housing, Tri-Clamp 65mm	9650203104	9650203104	9650203104
	1	Seal Housing, Tri-Clamp 50mm	9650203105	9650203105	9650203105
	1	Seal Housing, Tri-Clamp 40mm	9650203106	9650203106	9650203106
	1	Seal Housing, RJT 65mm	9650203107	9650203107	9650203107
	1	Seal Housing, RJT 50mm	9650203108	9650203108	9650203108
	1	Seal Housing, RJT 40mm	9650203109	9650203109	9650203109
	1	Seal Housing, SMS 65mm	9650203110	9650203110	9650203110
	1	Seal Housing, SMS 50mm	9650203111	9650203111	9650203111
	1	Seal Housing, SMS 40mm	9650203112	9650203112	9650203112
	1	Seal Housing, IDF 65mm	9650203113	9650203113	9650203113
	1	Seal Housing, IDF 50mm	9650203114	9650203114	9650203114
	1	Seal Housing, IDF 40mm	9650203115	9650203115	9650203115
	1	Seal Housing, DIN11864-1-A 65mm	9650203116	9650203116	9650203116
	1	Seal Housing, DIN11864-1-A 50mm	9650203117	9650203117	9650203117
	1	Seal Housing, DIN11864-1-A 40mm	9650203118	9650203118	9650203118
	1	Seal Housing, DIN11864-1-C 65mm	9650203119	9650203119	9650203119
	1	Seal Housing, DIN11864-1-C 50mm	9650203120	9650203120	9650203120
	1	Seal Housing, DIN11864-1-C 40mm	9650203121	9650203121	9650203121
	1	Seal Housing, DIN11864-2-A 65mm	9650203122	9650203122	9650203122
	1	Seal Housing, DIN11864-2-A 50mm	9650203123	9650203123	9650203123
	1	Seal Housing, DIN11864-2-A 40mm	9650203124	9650203124	9650203124
	1	Seal Housing, DIN11864-2-C 65mm	9650203125	9650203125	9650203125
	1	Seal Housing, DIN11864-2-C 50mm	9650203126	9650203126	9650203126
	1	Seal Housing, DIN11864-2-C 40mm	9650203127	9650203127	9650203127
32	2	Gland Guard	9650203201	9650203201	9650203201
33	4	Flush Plugs	9650203301	9650203301	9650203301
	4	Flush Caps	9650203302	9650203302	9650203302
34	1	Foot	9650203401	9650203401	9650203401
35	1	Gearbox	9650203501	9650203501	9650203501
36	1	Gearbox End Cover	9650203601	9650203601	9650203601
37	Δ	1 Gearbox End Cover O-Ring	9650203701	9650203701	9650203701
38	Δ	1 Gearbox Top Cover O-Ring	9650203801	9650203801	9650203801
39	1	Gearbox Top Cover	9650203901	9650203901	9650203901
40	4	Gearbox Top Cover Bolts	9650004001	9650004001	9650004001
41	4	Gearbox Top Cover Washers	9650004101	9650004101	9650004101
42	1	Filler Plug	9650004201	9650004201	9650004201
43	4	Gearbox End Cover Bolts	9650204301	9650204301	9650204301
44	4	Gearbox End Cover Washers	9650204401	9650204401	9650204401
45	1	Sight Glass	9650004501	9650004501	9650004501
46	Δ	1 Rear Lip Seal	9650204601	9650204601	9650204601
47	4	Gearbox Foot Screw	9650204701	9650204701	9650204701
48	2	Gland Guard Plug	9650004801	9650004801	9650004801
49	2	Seal Pin	9650204901	9650204901	9650204901
50	1	Washer Gearbox Plug	9650005001	9650005001	9650005001
51	2	Cap Screw	9650205101	9650205101	9650205101
52	8	Hex Bolt	9650205201	9650205201	9650205201
54	2	Stud bolt	9650205401	9650205401	9650205401
55	1	Washer	9650205501	9650205501	9650205501
56	4	Washer	9650204401	9650204401	9650204401
57	2	Bearing Retainer	9650205701	9650205701	9650205701
58	4	Washer Seal Ring	9650005801	9650005801	9650005801
59	▲	2 Gland Guard Screw O Ring, FPM	9650005901	9650005901	9650005901
60	2	Heating Pipe Union - Not shown	9650306001	9650306001	9650306001
61	2	Heating Pipe Elbow - Not shown	9650306101	9650306101	9650306101
62	1	Heating Pipe - Not shown	9650206201	9650206201	9650206201



\* Cartridge Seal  
 \*\* When replacing Feed Screw it is recommended to replace both Left and Right version

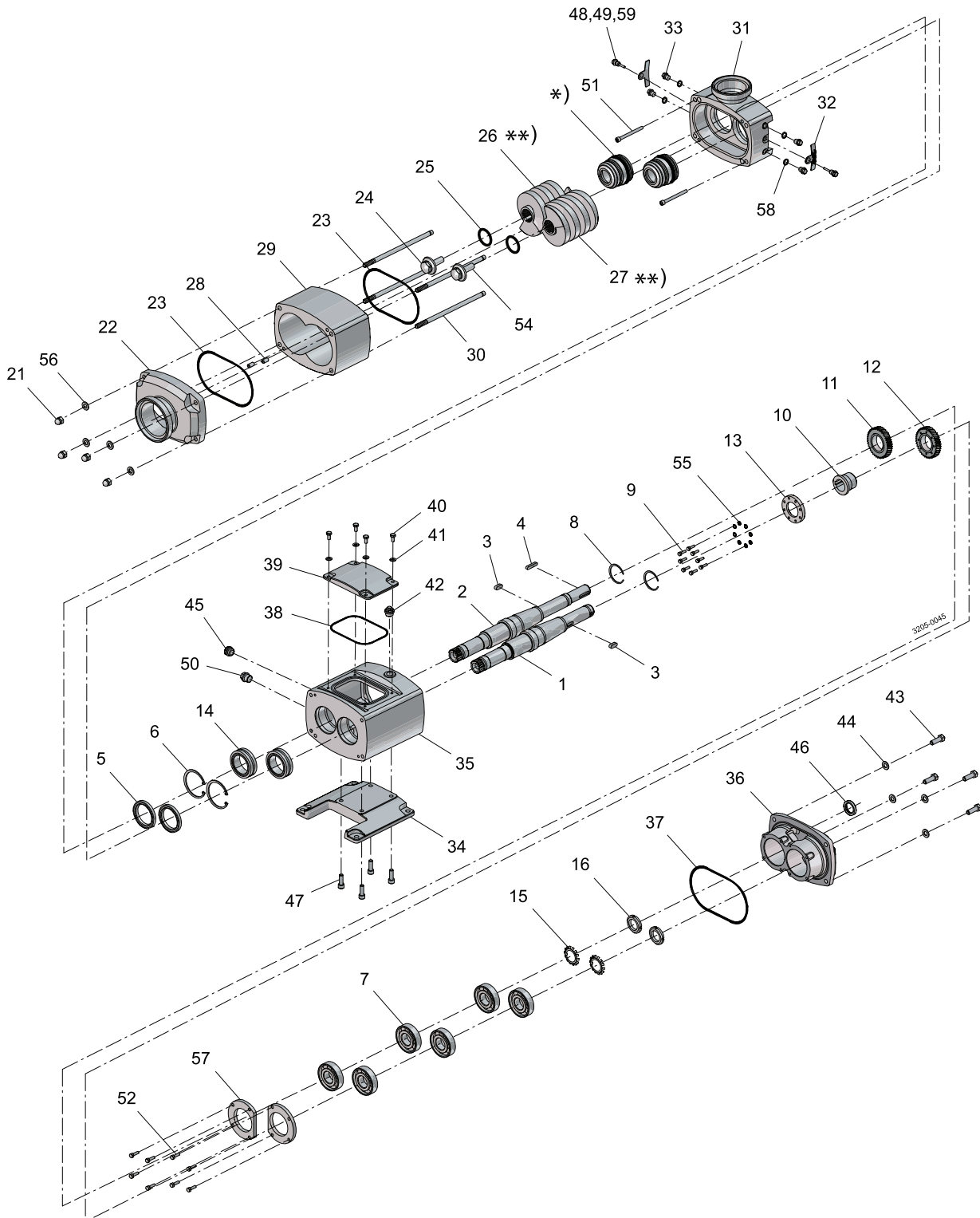
Pos	Qty	Denomination	Item no.	Item no.
			OS27	OS28
01	1	Auxiliary Shaft	9650300101	9650300101
02	1	Drive Shaft	9650300201	9650300201
03	1	Gear Key	9650300301	9650300301
04	1	Drive Shaft Key	9650300401	9650300401
05 <sup>Δ</sup>	2	Front Lip Seal	9650300501	9650300501
06	2	Circlip	9650300601	9650300601
07	6	Bearing	9650300701	9650300701
08	2	Circlip	9650300801	9650300801
09	8	Gear Sleeve Bolts	9650300901	9650300901
10	1	Gear Sleeve	9650301001	9650301001
11	1	Timing Gear Drive Shaft	9650301101	9650301101
12	1	Timing Gear Auxiliary Shaft	9650301201	9650301201
13	1	Timing Gear Clamp Plate	9650301301	9650301301
14	2	Bearing	9650301401	9650301401
15	2	Tab Washer	9650301501	9650301501
16	2	Bearing Nut	9650301601	9650301601
21	4	Pump Cover Nut	9650302101	9650302101
22	1	Pump Cover DIN11851 150mm		
	1	Pump Cover DIN11851 100mm	9650302201	9650302201
	1	Pump Cover DIN11851 80mm	9650302202	9650302202
	1	Pump Cover DIN11851 65mm		
	1	Pump Cover DIN11851 50mm		
	1	Pump Cover Tri-Clamp 150mm		
	1	Pump Cover Tri-Clamp 100mm	9650302203	9650302203
	1	Pump Cover Tri-Clamp 80mm	9650302204	9650302204
	1	Pump Cover Tri-Clamp 65mm		
	1	Pump Cover Tri-Clamp 50mm		
	1	Pump Cover RJT 100mm	9650302205	9650302205
	1	Pump Cover RJT 80mm	9650302206	9650302206
	1	Pump Cover RJT 65mm		
	1	Pump Cover RJT 50mm		
	1	Pump Cover SMS 100mm	9650302207	9650302207
	1	Pump Cover SMS 80mm	9650302208	9650302208
	1	Pump Cover SMS 65mm		
	1	Pump Cover SMS 50mm		
	1	Pump Cover IDF 100mm	9650302209	9650302209
	1	Pump Cover IDF 80mm	9650302210	9650302210
	1	Pump Cover IDF 65mm		
	1	Pump Cover IDF 50mm		
	1	Pump Cover DIN11864-1-A 100mm	9650302211	9650302211
	1	Pump Cover DIN11864-1-A 80mm	9650302212	9650302212
	1	Pump Cover DIN11864-1-A 65mm		
	1	Pump Cover DIN11864-1-A 50mm		
	1	Pump Cover DIN11864-1-C 100mm	9650302213	9650302213
	1	Pump Cover DIN11864-1-C 80mm	9650302214	9650302214
	1	Pump Cover DIN11864-1-C 65mm		
	1	Pump Cover DIN11864-1-C 50mm		
	1	Pump Cover DIN11864-2-A 150mm		
	1	Pump Cover DIN11864-2-A 100mm	9650302215	9650302215
	1	Pump Cover DIN11864-2-A 80mm	9650302216	9650302216
	1	Pump Cover DIN11864-2-A 65mm		
	1	Pump Cover DIN11864-2-A 50mm		
	1	Pump Cover DIN11864-2-C 100mm	9650302217	9650302217
	1	Pump Cover DIN11864-2-C 80mm	9650302218	9650302218
	1	Pump Cover DIN11864-2-C 65mm		
	1	Pump Cover DIN11864-2-C 50mm		
	1	Pump Cover Rectangular	9650302299	9650302299
23	2	Pump Casing Elastomer EPDM	9650302301	9650302301
	2	Pump Casing Elastomer FPM	9650302302	9650302302
	2	Pump Casing Elastomer FFPM	9650302303	9650302303
24	2	Feed Screw Nut	9650302401	9650302401
25 <sup>▲</sup>	2	Feed Screw Elastomer EPDM	9650302501	9650302501
	2	Feed Screw Elastomer FPM	9650302502	9650302502
	2	Feed Screw Elastomer FFPM	9650302503	9650302503
26	1	Feed Screw Left Standard	8010028221	8010028223
	1	Feed Screw Left Hardened	8010028222	8010028224
27	1	Feed Screw Right Standard	8010028229	8010028231
	1	Feed Screw Right Hardened	8010028230	8010028232
28	6	Pump Casing Dowels	9650002801	9650002801
29	1	Pump Casing Hardened	9650302901	8010028212
	1	Pump Casing Hardened For Heating Jacket	9650302903	8010028213



\* Cartridge Seal  
 \*\* When replacing Feed Screw it is recommended to replace both Left and Right version

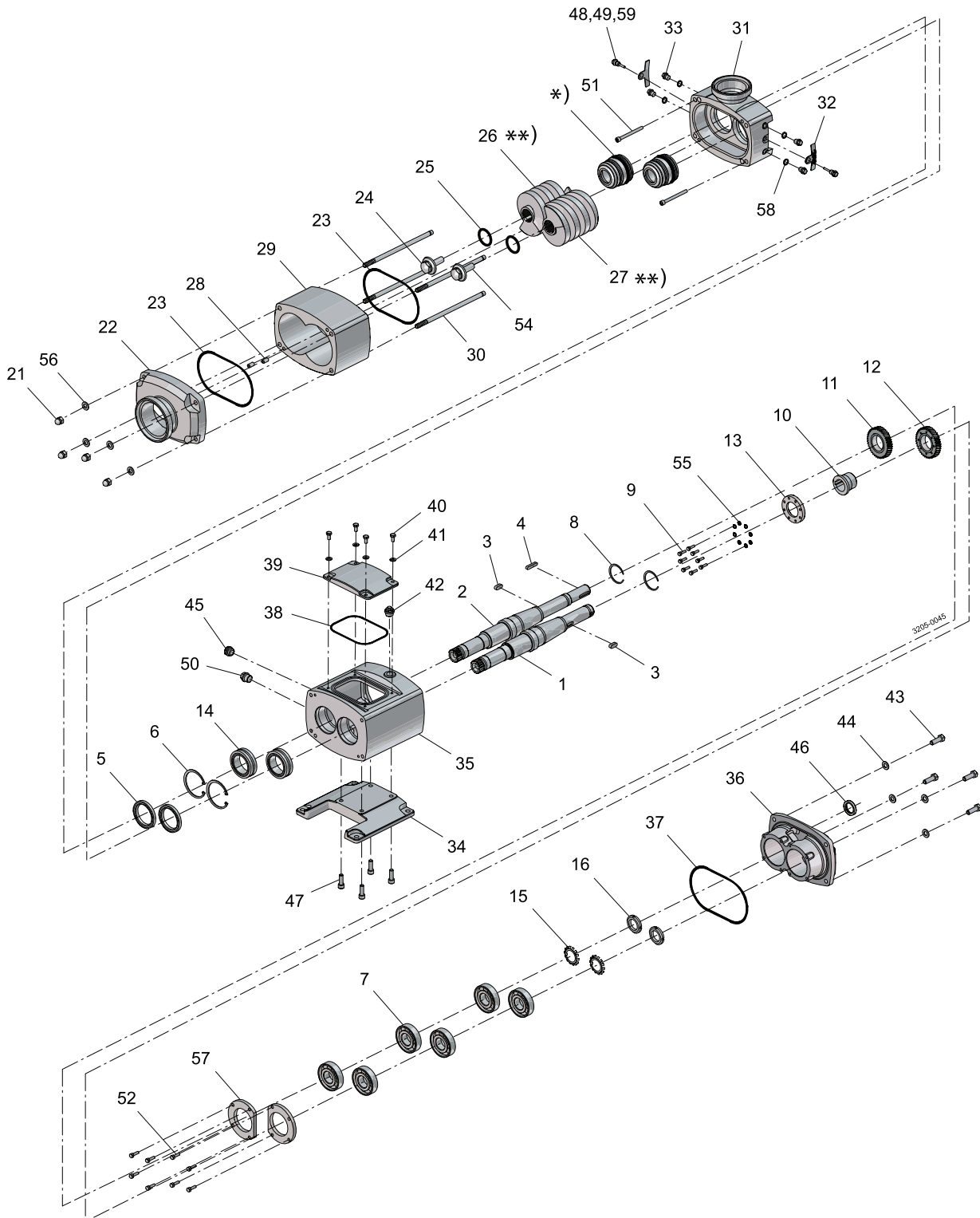
OS 27-28 Twin Screw Pump Range

Pos	Qty	Denomination	Item no.	Item no.
			OS27	OS28
30	4	Pump Casing Studs	9650303001	8010028242
31	1	Seal Housing DIN11851 100mm		
	1	Seal Housing DIN11851 80mm	9650303101	9650303101
	1	Seal Housing DIN11851 65mm	9650303102	9650303102
	1	Seal Housing DIN11851 50mm		
	1	Seal Housing DIN11851 40mm		
	1	Seal Housing Tri-Clamp 100mm		
	1	Seal Housing Tri-Clamp 80mm	9650303103	9650303103
	1	Seal Housing Tri-Clamp 65mm	9650303104	9650303104
	1	Seal Housing Tri-Clamp 50mm		
	1	Seal Housing Tri-Clamp 40mm		
	1	Seal Housing RJT 100mm		
	1	Seal Housing RJT 80mm	9650303105	9650303105
	1	Seal Housing RJT 65mm	9650303106	9650303106
	1	Seal Housing RJT 50mm		
	1	Seal Housing RJT 40mm		
	1	Seal Housing SMS 100mm		
	1	Seal Housing SMS 80mm	9650303107	9650303107
	1	Seal Housing SMS 65mm	9650303108	9650303108
	1	Seal Housing SMS 50mm		
	1	Seal Housing SMS 40mm		
	1	Seal Housing IDF 100mm		
	1	Seal Housing IDF 80mm	9650303109	9650303109
	1	Seal Housing IDF 65mm	9650303110	9650303110
	1	Seal Housing IDF 50mm		
	1	Seal Housing IDF 40mm		
	1	Seal Housing DIN11864-1-A 100mm		
	1	Seal Housing DIN11864-1-A 80mm	9650303111	9650303111
	1	Seal Housing DIN11864-1-A 65mm	9650303112	9650303112
	1	Seal Housing DIN11864-1-A 50mm		
	1	Seal Housing DIN11864-1-A 40mm		
	1	Seal Housing DIN11864-1-C 100mm		
	1	Seal Housing DIN11864-1-C 80mm	9650303113	9650303113
	1	Seal Housing DIN11864-1-C 65mm	9650303114	9650303114
	1	Seal Housing DIN11864-1-C 50mm		
	1	Seal Housing DIN11864-1-C 40mm		
	1	Seal Housing DIN11864-2-A 100mm		
	1	Seal Housing DIN11864-2-A 80mm	9650303115	9650303115
	1	Seal Housing DIN11864-2-A 65mm	9650303116	9650303116
	1	Seal Housing DIN11864-2-A 50mm		
	1	Seal Housing DIN11864-2-A 40mm		
	1	Seal Housing DIN11864-2-C 100mm		
	1	Seal Housing DIN11864-2-C 80mm	9650303117	9650303117
	1	Seal Housing DIN11864-2-C 65mm	9650303118	9650303118
	1	Seal Housing DIN11864-2-C 50mm		
	1	Seal Housing DIN11864-2-C 40mm		
32	2	Gland Guard	9650303201	9650303201
33	4	Flush Plugs	9650203301	9650203301
	4	Flush Caps	9650303302	9650303302
34	1	Foot	9650303401	9650303401
35	1	Gearbox	9650303501	9650303501
36	1	Gearbox End Cover	9650303601	9650303601
37	1	Gearbox End Cover O Ring	9650303701	9650303701
38	1	Gearbox Top Cover O Ring	9650203701	9650203701
39	1	Gearbox Top Cover	9650303901	9650303901
40	4	Gearbox Top Cover Bolts	9650004001	9650004001
41	4	Gearbox Top Cover Washers	9650004101	9650004101
42	1	Filler Plug	9650004201	9650004201
43	4	Gearbox End Cover Bolts	9650304301	9650304301
44	4	Gearbox End Cover Washers	9650304401	9650304401
45	1	Sight Glass	9650004501	9650004501
46	1	Rear Lip Seal	9650304601	9650304601
47	4	Gearbox Foot Screw	9650304701	9650304701
48	2	Gland Guard Plug	9650004801	9650004801
49	2	Seal Pin	9650304901	9650304901
50	1	Washer Gearbox Plug	9650005001	9650005001
51	2	Cap screw	9650305101	9650305101
52	8	Hex bolt	9650305201	9650305201
54	2	Stud bolt	9650305401	8010028243
55	1	Washer	9650305501	9650305501
56	4	Washer	9650304401	9650304401
57	2	Bearing Retainer	9650305701	9650305701
58	4	Washer Seal Ring	9650005801	9650005801
59	2	Gland Guard Screw O Ring FPM	9650005901	9650005901
60	2	Heating Pipe Union	9650306001	9650306001
61	2	Heating Pipe Elbow	9650306101	9650306101
62	1	Heating Pipe	9650306201	9650306201
63	2	Heating Adapter		



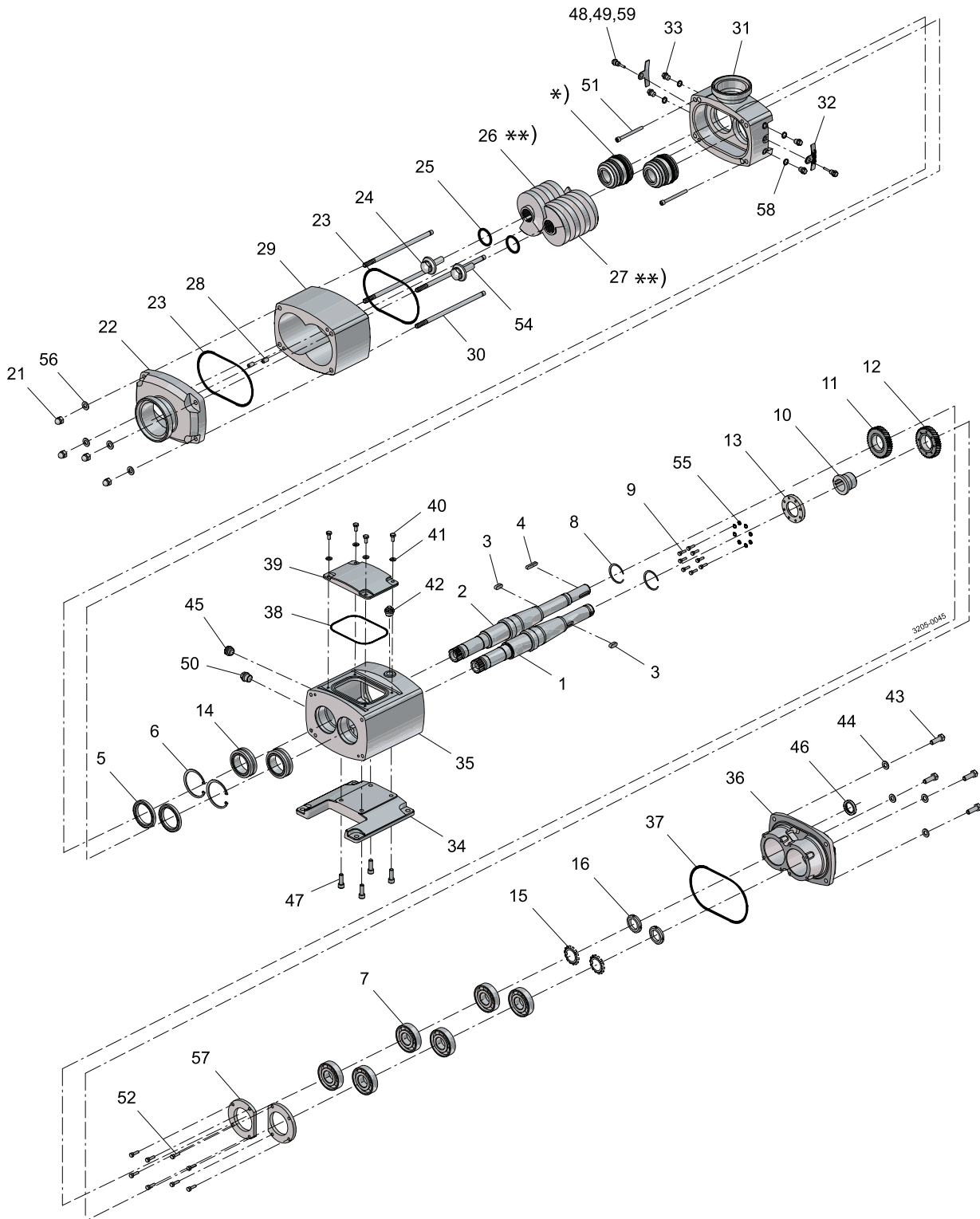
\* Cartridge Seal  
 \*\* When replacing Feed Screw it is recommended to replace both Left and Right version

Pos	Qty	Denomination	Item no.	Item no.	Item no.
			OS32	OS34	OS36
1	1	Auxiliary Shaft	9650300101	9650300101	9650300101
2	1	Drive Shaft	9650300201	9650300201	9650300201
3	1	Gear Key	9650300301	9650300301	9650300301
4	1	Drive Shaft Key	9650300401	9650300401	9650300401
5	2	Front Lip Seal	9650300501	9650300501	9650300501
6	2	Circlip	9650300601	9650300601	9650300601
7	6	Ball Bearing	9650300701	9650300701	9650300701
8	2	Circlip	9650300801	9650300801	9650300801
9	8	Gear Sleeve Bolts	9650300901	9650300901	9650300901
10	1	Gear Sleeve	9650301001	9650301001	9650301001
11	1	Timing Gear Drive Shaft	9650301101	9650301101	9650301101
12	1	Timing Gear Auxilliary Shaft	9650301201	9650301201	9650301201
13	1	Bearing Retainer	9650301301	9650301301	9650301301
14	2	Needle Bearing	9650301401	9650301401	9650301401
15	2	Tab Washer	9650301501	9650301501	9650301501
16	2	Bearing Nut	9650301601	9650301601	9650301601
21	4	Pump Cover Nuts	9650302101	9650302101	9650302101
22	1	Pump Cover, DIN11851 100mm	9650302201	9650302201	9650302201
	1	Pump Cover, DIN11851 80mm	9650302202	9650302202	9650302202
	1	Pump Cover, Tri-Clamp 100mm	9650302203	9650302203	9650302203
	1	Pump Cover, Tri-Clamp 80mm	9650302204	9650302204	9650302204
	1	Pump Cover, RJT 100mm	9650302205	9650302205	9650302205
	1	Pump Cover, RJT 80mm	9650302206	9650302206	9650302206
	1	Pump Cover, SMS 100mm	9650302207	9650302207	9650302207
	1	Pump Cover, SMS 80mm	9650302208	9650302208	9650302208
	1	Pump Cover, IDF 100mm	9650302209	9650302209	9650302209
	1	Pump Cover, IDF 80mm	9650302210	9650302210	9650302210
	1	Pump Cover, DIN11864-1-A 100mm	9650302211	9650302211	9650302211
	1	Pump Cover, DIN11864-1-A 80mm	9650302212	9650302212	9650302212
	1	Pump Cover, DIN11864-1-C 100mm	9650302213	9650302213	9650302213
	1	Pump Cover, DIN11864-1-C 80mm	9650302214	9650302214	9650302214
	1	Pump Cover, DIN11864-2-A 100mm	9650302215	9650302215	9650302215
	1	Pump Cover, DIN11864-2-A 80mm	9650302216	9650302216	9650302216
	1	Pump Cover, DIN11864-2-C 100mm	9650302217	9650302217	9650302217
	1	Pump Cover, DIN11864-2-C 80mm	9650302218	9650302218	9650302218
	1	Pump Cover, Rectangular	9650302299	9650302299	9650302299
23	2	Pump Casing Elastomer, EPDM	9650302301	9650302301	9650302301
	2	Pump Casing Elastomer, FPM	9650302302	9650302302	9650302302
	2	Pump Casing Elastomer, FFPM	9650302303	9650302303	9650302303
24	2	Feed Screw Nut	9650302401	9650302401	9650302401
25	2	Feed Screw Elastomer, EPDM	9650302501	9650302501	9650302501
	2	Feed Screw Elastomer, FPM	9650302502	9650302502	9650302502
	2	Feed Screw Elastomer, FFPM	9650302503	9650302503	9650302503
26	1	Feed Screw, Left Standard	9650322601	9650342601	9650362601
	1	Feed Screw, Left Hardened	9650322602	9650342602	9650362602
27	1	Feed Screw, Right Standard	9650322701	9650342701	9650362701
	1	Feed Screw, Right Hardened	9650322702	9650342702	9650362702
28	6	Pump Casing, Dowels	9650002801	9650002801	9650002801
29	1	Pump Casing, Hardened	9650302901	9650302901	9650302901
	1	Pump Casing, Hardened For Heating Jacket	9650302903	9650302903	9650302903
30	4	Pump Casing, Studs	9650303001	9650303001	9650303001
31	1	Seal Housing, DIN11851 80mm	9650303101	9650303101	9650303101
	1	Seal Housing, DIN11851 65mm	9650303102	9650303102	9650303102
	1	Seal Housing, Tri-Clamp 80mm	9650303103	9650303103	9650303103
	1	Seal Housing, Tri-Clamp 65mm	9650303104	9650303104	9650303104
	1	Seal Housing, RJT 80mm	9650303105	9650303105	9650303105
	1	Seal Housing, RJT 65mm	9650303106	9650303106	9650303106
	1	Seal Housing, SMS 80mm	9650303107	9650303107	9650303107
	1	Seal Housing, SMS 65mm	9650303108	9650303108	9650303108
	1	Seal Housing, IDF 80mm	9650303109	9650303109	9650303109
	1	Seal Housing, IDF 65mm	9650303110	9650303110	9650303110
	1	Seal Housing, DIN11864-1-A 80mm	9650303111	9650303111	9650303111
	1	Seal Housing, DIN11864-1-A 65mm	9650303112	9650303112	9650303112
	1	Seal Housing, DIN11864-1-C 80mm	9650303113	9650303113	9650303113
	1	Seal Housing, DIN11864-1-C 65mm	9650303114	9650303114	9650303114
	1	Seal Housing, DIN11864-2-A 80mm	9650303115	9650303115	9650303115
	1	Seal Housing, DIN11864-2-A 65mm	9650303116	9650303116	9650303116
	1	Seal Housing, DIN11864-2-C 80mm	9650303117	9650303117	9650303117
	1	Seal Housing, DIN11864-2-C 65mm	9650303118	9650303118	9650303118
32	2	Gland Guard	9650303201	9650303201	9650303201
33	4	Flush Plugs	9650203301	9650203301	9650203301
	4	Flush Caps	9650303302	9650303302	9650303302
34	1	Foot	9650303401	9650303401	9650303401



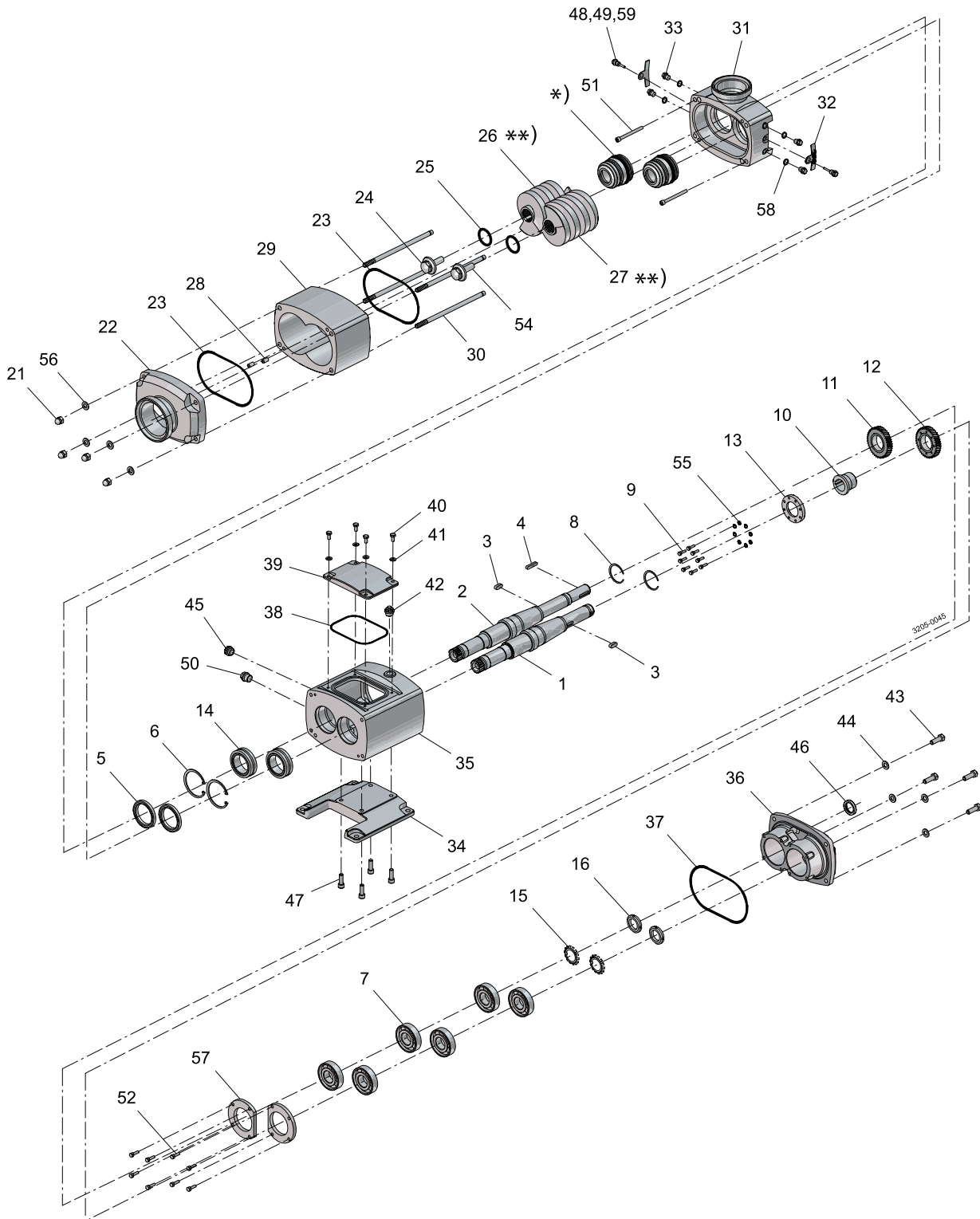
\* Cartridge Seal  
 \*\* When replacing Feed Screw it is recommended to replace both Left and Right version

Pos	Qty	Denomination	Item no.	Item no.	Item no.
			OS32	OS34	OS36
35	1	Gearbox .....	9650303501	9650303501	9650303501
36	1	Gearbox End Cover .....	9650303601	9650303601	9650303601
37 <sup>Δ</sup>	1	Gearbox End Cover O-Ring .....	9650303701	9650303701	9650303701
38 <sup>Δ</sup>	1	Gearbox Top Cover O-Ring .....	9650203701	9650203701	9650203701
39	1	Gearbox Top Cover .....	9650303901	9650303901	9650303901
40	4	Gearbox Top Cover Bolts .....	9650004001	9650004001	9650004001
41	4	Gearbox Top Cover Washers .....	9650004101	9650004101	9650004101
42	1	Filler Plug .....	9650004201	9650004201	9650004201
43	4	Gearbox End Cover Bolts .....	9650304301	9650304301	9650304301
44	4	Gearbox End Cover Washers .....	9650304401	9650304401	9650304401
45	1	Sight Glass .....	9650004501	9650004501	9650004501
46 <sup>Δ</sup>	1	Rear Lip Seal .....	9650304601	9650304601	9650304601
47	4	Gearbox Foot Screw .....	9650304701	9650304701	9650304701
48	2	Gland Guard Plug .....	9650004801	9650004801	9650004801
49	2	Seal Pin .....	9650304901	9650304901	9650304901
50	1	Seal Ring .....	9650005001	9650005001	9650005001
51	2	Cap Screw .....	9650305101	9650305101	9650305101
52	8	Hex Bolt .....	9650305201	9650305201	9650305201
54	2	Stud Bolt .....	9650305401	9650305401	9650305401
55	1	Washer .....	9650305501	9650305501	9650305501
56	4	Washer .....	9650304401	9650304401	9650304401
57	2	Bearing Retainer .....	9650305701	9650305701	9650305701
58	4	Washer Seal Ring .....	9650005801	9650005801	9650005801
59 <sup>▲</sup>	2	Gland Guard Screw O Ring, FPM .....	9650005901	9650005901	9650005901
60	2	Heating Pipe Union, - Not Shown .....	9650306001	9650306001	9650306001
61	2	Heating Pipe Elbow, - Not Shown .....	9650306101	9650306101	9650306101
62	1	Heating Pipe, - Not Shown .....	9650306201	9650306201	9650306201



\* Cartridge Seal  
 \*\* When replacing Feed Screw it is recommended to replace both Left and Right version

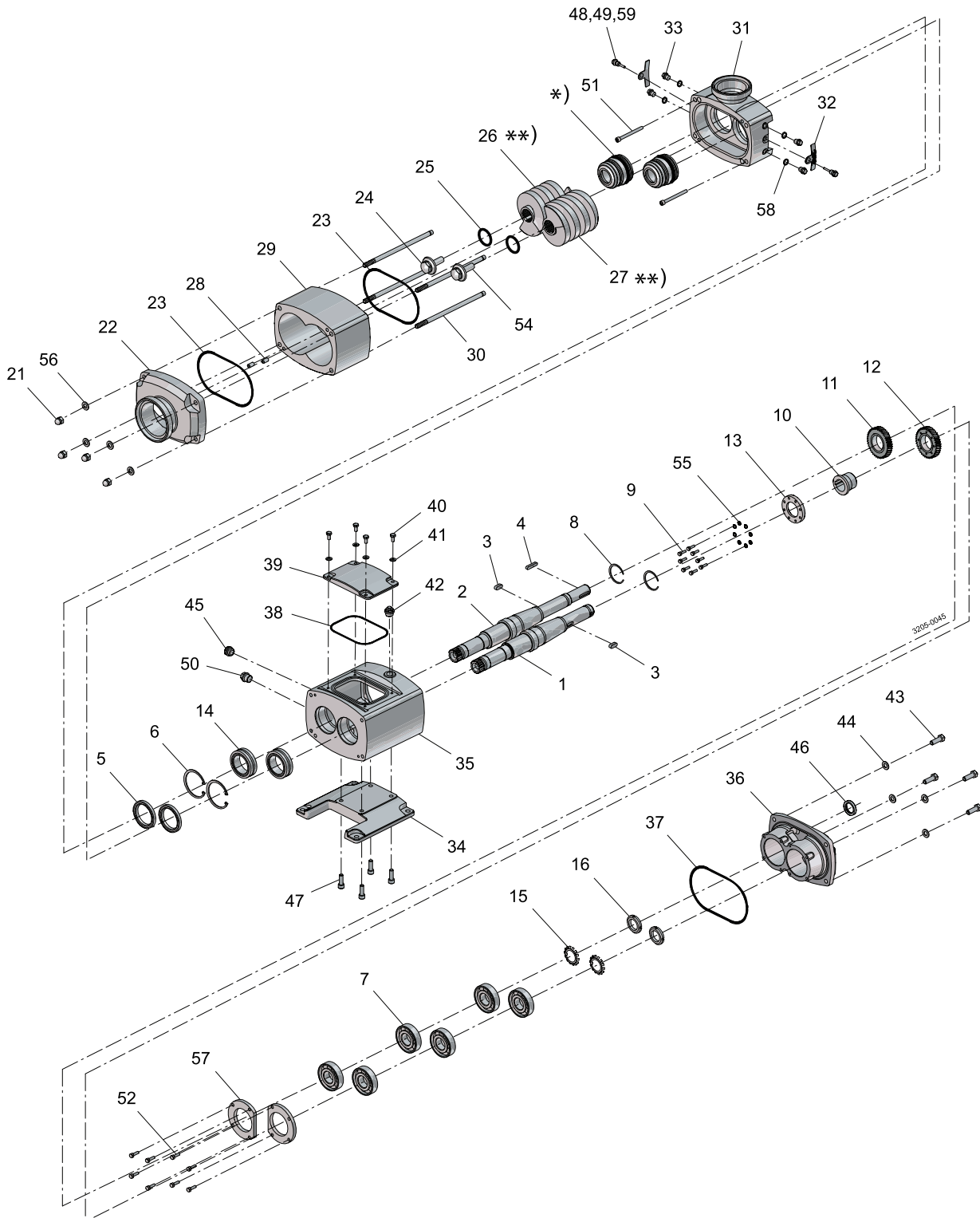
Pos	Qty	Denomination	OS37	OS38
01	1	Auxiliary Shaft	9650300101	9650300101
02	1	Drive Shaft	9650300201	9650300201
03	1	Gear Key	9650300301	9650300301
04	1	Drive Shaft Key	9650300401	9650300401
05 <sup>Δ</sup>	2	Front Lip Seal	9650300501	9650300501
06	2	Circlip	9650300601	9650300601
07	6	Bearing	9650300701	9650300701
08	2	Circlip	9650300801	9650300801
09	8	Gear Sleeve Bolts	9650300901	9650300901
10	1	Gear Sleeve	9650301001	9650301001
11	1	Timing Gear Drive Shaft	9650301101	9650301101
12	1	Timing Gear Auxiliary Shaft	9650301201	9650301201
13	1	Timing Gear Clamp Plate	9650301301	9650301301
14	2	Bearing	9650301401	9650301401
15	2	Tab Washer	9650301501	9650301501
16	2	Bearing Nut	9650301601	9650301601
21	4	Pump Cover Nut	9650302101	9650302101
22	1	Pump Cover DIN11851 150mm		
	1	Pump Cover DIN11851 100mm	9650302201	9650302201
	1	Pump Cover DIN11851 80mm	9650302202	9650302202
	1	Pump Cover DIN11851 65mm		
	1	Pump Cover DIN11851 50mm		
	1	Pump Cover Tri-Clamp 150mm		
	1	Pump Cover Tri-Clamp 100mm	9650302203	9650302203
	1	Pump Cover Tri-Clamp 80mm	9650302204	9650302204
	1	Pump Cover Tri-Clamp 65mm		
	1	Pump Cover Tri-Clamp 50mm		
	1	Pump Cover RJT 100mm	9650302205	9650302205
	1	Pump Cover RJT 80mm	9650302206	9650302206
	1	Pump Cover RJT 65mm		
	1	Pump Cover RJT 50mm		
	1	Pump Cover SMS 100mm	9650302207	9650302207
	1	Pump Cover SMS 80mm	9650302208	9650302208
	1	Pump Cover SMS 65mm		
	1	Pump Cover SMS 50mm		
	1	Pump Cover IDF 100mm	9650302209	9650302209
	1	Pump Cover IDF 80mm	9650302210	9650302210
	1	Pump Cover IDF 65mm		
	1	Pump Cover IDF 50mm		
	1	Pump Cover DIN11864-1-A 100mm	9650302211	9650302211
	1	Pump Cover DIN11864-1-A 80mm	9650302212	9650302212
	1	Pump Cover DIN11864-1-A 65mm		
	1	Pump Cover DIN11864-1-A 50mm		
	1	Pump Cover DIN11864-1-C 100mm	9650302213	9650302213
	1	Pump Cover DIN11864-1-C 80mm	9650302214	9650302214
	1	Pump Cover DIN11864-1-C 65mm		
	1	Pump Cover DIN11864-1-C 50mm		
	1	Pump Cover DIN11864-2-A 150mm		
	1	Pump Cover DIN11864-2-A 100mm	9650302215	9650302215
	1	Pump Cover DIN11864-2-A 80mm	9650302216	9650302216
	1	Pump Cover DIN11864-2-A 65mm		
	1	Pump Cover DIN11864-2-A 50mm		
	1	Pump Cover DIN11864-2-C 100mm	9650302217	9650302217
	1	Pump Cover DIN11864-2-C 80mm	9650302218	9650302218
	1	Pump Cover DIN11864-2-C 65mm		
	1	Pump Cover DIN11864-2-C 50mm		
	1	Pump Cover Rectangular	9650302299	9650302299
23 <sup>▲</sup>	2	Pump Casing Elastomer EPDM	9650302301	9650302301
	2	Pump Casing Elastomer FPM	9650302302	9650302302
	2	Pump Casing Elastomer FFPM	9650302303	9650302303
24	2	Feed Screw Nut	9650302401	9650302401
25 <sup>▲</sup>	2	Feed Screw Elastomer EPDM	9650302501	9650302501
	2	Feed Screw Elastomer FPM	9650302502	9650302502
	2	Feed Screw Elastomer FFPM	9650302503	9650302503
26	1	Feed Screw Left Standard	9650362601	8010028221
	1	Feed Screw Left Hardened	9650362602	8010028222
27	1	Feed Screw Right Standard	9650362701	8010028229
	1	Feed Screw Right Hardened	9650362702	8010028230
28	6	Pump Casing Dowels	9650002801	9650002801
29	1	Pump Casing Hardened	9650302901	9650302901
	1	Pump Casing Hardened For Heating Jacket	9650302903	9650302903



\* Cartridge Seal  
 \*\* When replacing Feed Screw it is recommended to replace both Left and Right version

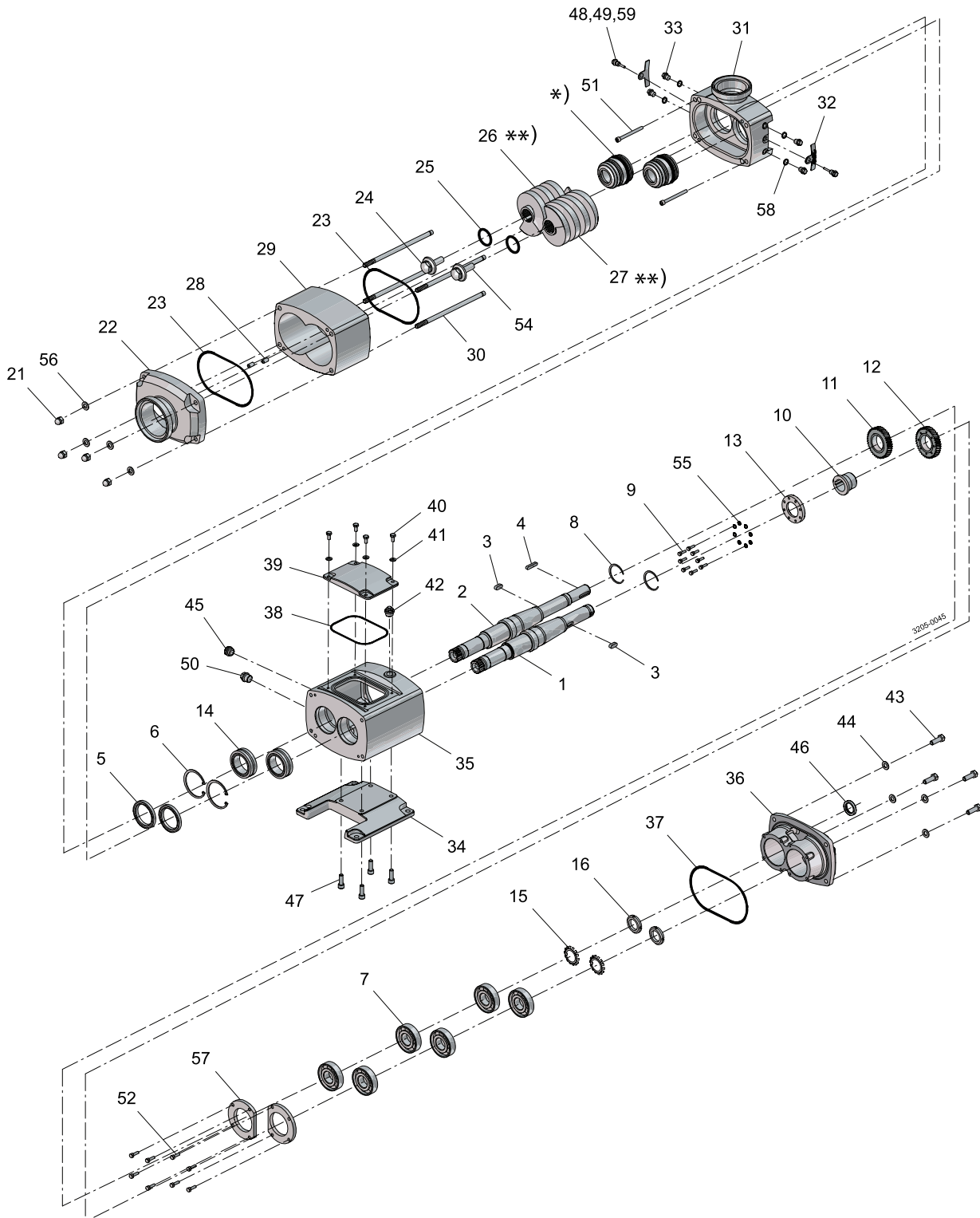
OS 37-38 Twin Screw Pump Range

Pos	Qty	Denomination	OS37	OS38
30	4	Pump Casing Studs .....	9650303001	9650303001
31	1	Seal Housing DIN11851 100mm .....		
	1	Seal Housing DIN11851 80mm .....	9650303101	9650303101
	1	Seal Housing DIN11851 65mm .....	9650303102	9650303102
	1	Seal Housing DIN11851 50mm .....		
	1	Seal Housing DIN11851 40mm .....		
	1	Seal Housing Tri-Clamp 100mm .....		
	1	Seal Housing Tri-Clamp 80mm .....	9650303103	9650303103
	1	Seal Housing Tri-Clamp 65mm .....	9650303104	9650303104
	1	Seal Housing Tri-Clamp 50mm .....		
	1	Seal Housing Tri-Clamp 40mm .....		
	1	Seal Housing RJT 100mm .....		
	1	Seal Housing RJT 80mm .....	9650303105	9650303105
	1	Seal Housing RJT 65mm .....	9650303106	9650303106
	1	Seal Housing RJT 50mm .....		
	1	Seal Housing RJT 40mm .....		
	1	Seal Housing SMS 100mm .....		
	1	Seal Housing SMS 80mm .....	9650303107	9650303107
	1	Seal Housing SMS 65mm .....	9650303108	9650303108
	1	Seal Housing SMS 50mm .....		
	1	Seal Housing SMS 40mm .....		
	1	Seal Housing IDF 100mm .....		
	1	Seal Housing IDF 80mm .....	9650303109	9650303109
	1	Seal Housing IDF 65mm .....	9650303110	9650303110
	1	Seal Housing IDF 50mm .....		
	1	Seal Housing IDF 40mm .....		
	1	Seal Housing DIN11864-1-A 100mm .....		
	1	Seal Housing DIN11864-1-A 80mm .....	9650303111	9650303111
	1	Seal Housing DIN11864-1-A 65mm .....	9650303112	9650303112
	1	Seal Housing DIN11864-1-A 50mm .....		
	1	Seal Housing DIN11864-1-A 40mm .....		
	1	Seal Housing DIN11864-1-C 100mm .....		
	1	Seal Housing DIN11864-1-C 80mm .....	9650303113	9650303113
	1	Seal Housing DIN11864-1-C 65mm .....	9650303114	9650303114
	1	Seal Housing DIN11864-1-C 50mm .....		
	1	Seal Housing DIN11864-1-C 40mm .....		
	1	Seal Housing DIN11864-2-A 100mm .....		
	1	Seal Housing DIN11864-2-A 80mm .....	9650303115	9650303115
	1	Seal Housing DIN11864-2-A 65mm .....	9650303116	9650303116
	1	Seal Housing DIN11864-2-A 50mm .....		
	1	Seal Housing DIN11864-2-A 40mm .....		
	1	Seal Housing DIN11864-2-C 100mm .....		
	1	Seal Housing DIN11864-2-C 80mm .....	9650303117	9650303117
	1	Seal Housing DIN11864-2-C 65mm .....	9650303118	9650303118
	1	Seal Housing DIN11864-2-C 50mm .....		
	1	Seal Housing DIN11864-2-C 40mm .....		
32	2	Gland Guard .....	9650303201	9650303201
33	4	Flush Plugs .....	9650203301	9650203301
	4	Flush Caps .....	9650303302	9650303302
34	1	Foot .....	9650303401	9650303401
35	1	Gearbox .....	9650303501	9650303501
36	1	Gearbox End Cover .....	9650303601	9650303601
37	1	Gearbox End Cover O Ring .....	9650303701	9650303701
38	1	Gearbox Top Cover O Ring .....	9650203701	9650203701
39	1	Gearbox Top Cover .....	9650303901	9650303901
40	4	Gearbox Top Cover Bolts .....	9650004001	9650004001
41	4	Gearbox Top Cover Washers .....	9650004101	9650004101
42	1	Filler Plug .....	9650004201	9650004201
43	4	Gearbox End Cover Bolts .....	9650304301	9650304301
44	4	Gearbox End Cover Washers .....	9650304401	9650304401
45	1	Sight Glass .....	9650004501	9650004501
46	1	Rear Lip Seal .....	9650304601	9650304601
47	4	Gearbox Foot Screw .....	9650304701	9650304701
48	2	Gland Guard Plug .....	9650004801	9650004801
49	2	Seal Pin .....	9650304901	9650304901
50	1	Washer Gearbox Plug .....	9650005001	9650005001
51	2	Cap screw .....	9650305101	9650305101
52	8	Hex bolt .....	9650305201	9650305201
54	2	Stud bolt .....	9650305401	9650305401
55	1	Washer .....	9650305501	9650305501
56	4	Washer .....	9650304401	9650304401
57	2	Bearing Retainer .....	9650305701	9650305701
58	4	Washer Seal Ring .....	9650005801	9650005801
59	2	Gland Guard Screw O Ring FPM .....	9650005901	9650005901
60	2	Heating Pipe Union .....	9650306001	9650306001
61	2	Heating Pipe Elbow .....	9650306101	9650306101
62	1	Heating Pipe .....	9650306201	9650306201
63	2	Heating Adapter .....		



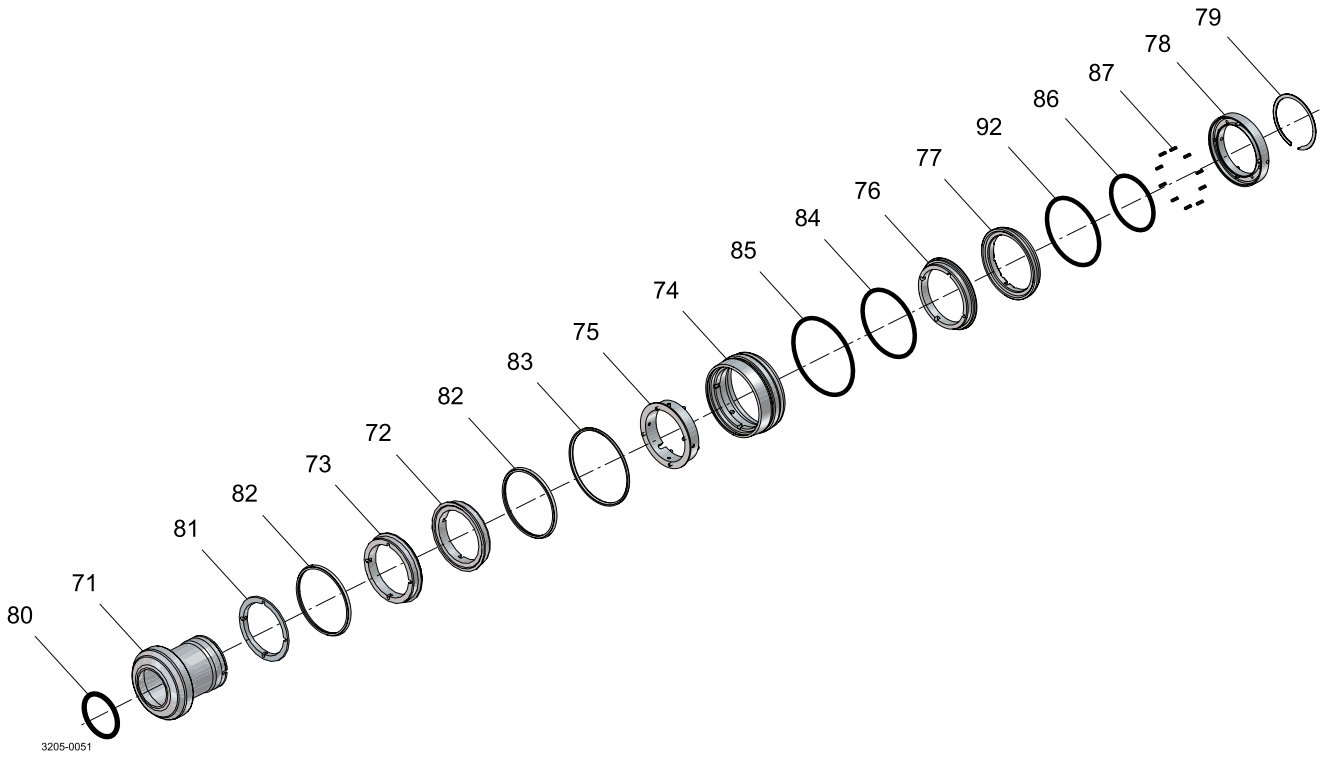
\* Cartridge Seal  
 \*\* When replacing Feed Screw it is recommended to replace both Left and Right version

Pos	Qty	Denomination	Item no.	Item no.	Item no.
			OS42	OS44	OS46
1	1	Auxiliary Shaft	9650400101	9650400101	9650400101
2	1	Drive Shaft	9650400201	9650400201	9650400201
3	1	Gear Key	9650400301	9650400301	9650400301
4	1	Drive Shaft Key	9650400401	9650400401	9650400401
5	2	Front Lip Seal	9650400501	9650400501	9650400501
6	2	Circlip	9650400601	9650400601	9650400601
7	6	Ball Bearing	9650400701	9650400701	9650400701
8	2	Circlip	9650400801	9650400801	9650400801
9	8	Gear Sleeve Bolts	9650400901	9650400901	9650400901
10	1	Gear Sleeve	9650401001	9650401001	9650401001
11	1	Timing Gear Drive Shaft	9650401101	9650401101	9650401101
12	1	Timing Gear Auxilliary Shaft	9650401201	9650401201	9650401201
13	1	Timing Gear Clamp Plate	9650401301	9650401301	9650401301
14	2	Needle Bearing	9650401401	9650401401	9650401401
15	2	Tab Washer	9650401501	9650401501	9650401501
16	2	Bearing Nut	9650401601	9650401601	9650401601
21	4	Pump Cover Nuts	9650402101	9650402101	9650402101
22	1	Pump Cover, DIN11851 150mm	9650402201	9650402201	9650402201
	1	Pump Cover, DIN11851 100mm	9650402202	9650402202	9650402202
	1	Pump Cover, Tri-Clamp 150mm	9650402203	9650402203	9650402203
	1	Pump Cover, Tri-Clamp 100mm	9650402204	9650402204	9650402204
	1	Pump Cover, RJT 100mm	9650402205	9650402205	9650402205
	1	Pump Cover, SMS 100mm	9650402206	9650402206	9650402206
	1	Pump Cover, IDF 100mm	9650402207	9650402207	9650402207
	1	Pump Cover, DIN11864-1-A 100mm	9650402208	9650402208	9650402208
	1	Pump Cover, DIN11864-1-C 100mm	9650402209	9650402209	9650402209
	1	Pump Cover, DIN11864-2-A 150mm	9650402210	9650402210	9650402210
	1	Pump Cover, DIN11864-2-A 100mm	9650402211	9650402211	9650402211
	1	Pump Cover, DIN11864-2-C 100mm	9650402212	9650402212	9650402212
	1	Pump Cover, Rectangular	9650402299	9650402299	9650402299
23	2	Pump Casing Elastomer, EPDM	9650402301	9650402301	9650402301
	2	Pump Casing Elastomer, FPM	9650402302	9650402302	9650402302
	2	Pump Casing Elastomer, FFPM	9650402303	9650402303	9650402303
24	2	Feed Screw Nut	9650402401	9650402401	9650402401
25	2	Feed Screw Elastomer, EPDM	9650402501	9650402501	9650402501
	2	Feed Screw Elastomer, FPM	9650402502	9650402502	9650402502
	2	Feed Screw Elastomer, FFPM	9650402503	9650402503	9650402503
26	1	Feed Screw, Left Standard	9650422601	9650442601	9650462601
	1	Feed Screw, Left Hardened	9650422602	9650442602	9650462602
27	1	Feed Screw, Right Standard	9650422701	9650442701	9650462701
	1	Feed Screw, Right Hardened	9650422702	9650442702	9650462702
28	6	Pump Casing, Dowels	9650002801	9650002801	9650002801
29	1	Pump Casing	9650402901	9650402901	9650402901
	1	Pump Casing, Hardened For Heating Jacket	9650402903	9650402903	9650402903
30	4	Pump Casing, Studs	9650403001	9650403001	9650403001
31	1	Seal Housing, DIN11851 100mm	9650403101	9650403101	9650403101
	1	Seal Housing, DIN11851 80mm	9650403102	9650403102	9650403102
	1	Seal Housing, Tri-Clamp 100mm	9650403103	9650403103	9650403103
	1	Seal Housing, Tri-Clamp 80mm	9650403104	9650403104	9650403104
	1	Seal Housing, RJT 100mm	9650403105	9650403105	9650403105
	1	Seal Housing, RJT 80mm	9650403106	9650403106	9650403106
	1	Seal Housing, SMS 100mm	9650403107	9650403107	9650403107
	1	Seal Housing, SMS 80mm	9650403108	9650403108	9650403108
	1	Seal Housing, IDF 100mm	9650403109	9650403109	9650403109
	1	Seal Housing, IDF 80mm	9650403110	9650403110	9650403110
	1	Seal Housing, DIN11864-1-A 100mm	9650403111	9650403111	9650403111
	1	Seal Housing, DIN11864-1-A 80mm	9650403112	9650403112	9650403112
	1	Seal Housing, DIN11864-1-C 100mm	9650403113	9650403113	9650403113
	1	Seal Housing, DIN11864-1-C 80mm	9650403114	9650403114	9650403114
	1	Seal Housing, DIN11864-2-A 100mm	9650403115	9650403115	9650403115
	1	Seal Housing, DIN11864-2-C 100mm	9650403116	9650403116	9650403116
	1	Seal Housing, DIN11864-2-A 80mm	9650403117	9650403117	9650403117
	1	Seal Housing, DIN11864-2-C 80mm	9650403118	9650403118	9650403118
32	2	Gland Guard	9650403201	9650403201	9650403201
33	4	Flush Plugs	9650403301	9650403301	9650403301
	4	Flush Caps	9650403302	9650403302	9650403302
34	1	Foot	9650403401	9650403401	9650403401
35	1	Gearbox	9650403501	9650403501	9650403501
36	1	Gearbox End Cover	9650403601	9650403601	9650403601
37	1	Gearbox End Cover O-Ring	9650403701	9650403701	9650403701
38	1	Gearbox Top Cover O-Ring	9650303701	9650303701	9650303701
39	1	Gearbox Top Cover	9650403901	9650403901	9650403901
40	4	Gearbox Top Cover Bolts	9650004001	9650004001	9650004001
41	4	Gearbox Top Cover Washers	9650004101	9650004101	9650004101
42	1	Filler Plug	9650004201	9650004201	9650004201
43	4	Gearbox End Cover Bolts	9650404301	9650404301	9650404301
44	4	Gearbox End Cover Washers	9650404401	9650404401	9650404401

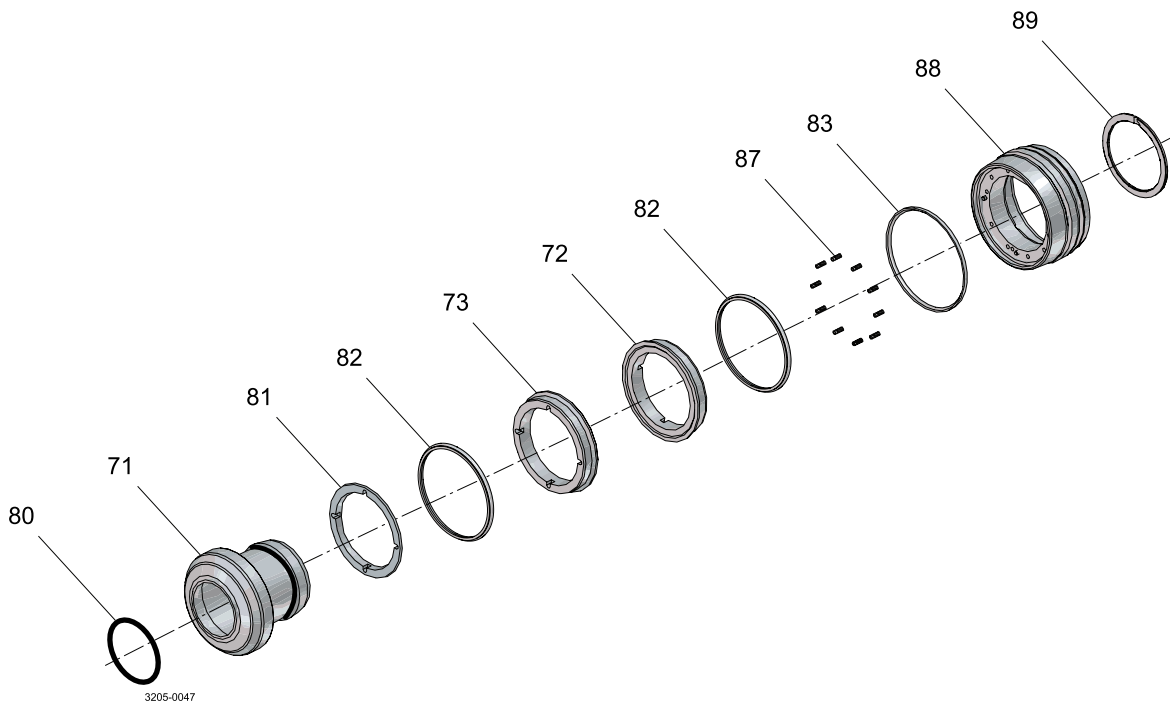


\* Cartridge Seal  
 \*\* When replacing Feed Screw it is recommended to replace both Left and Right version

Pos	Qty	Denomination	Item no.	Item no.	Item no.
			OS42	OS44	OS46
45	1	Sight Glass .....	9650004501	9650004501	9650004501
46 <sup>Δ</sup>	1	Rear Lip Seal .....	9650404601	9650404601	9650404601
47	4	Gearbox Foot Screw .....	9650404701	9650404701	9650404701
48	2	Gland Guard Plug .....	9650004801	9650004801	9650004801
49	2	Seal Pin .....	9650404901	9650404901	9650404901
50	1	Washer Gearbox Plug .....	9650005001	9650005001	9650005001
51	2	Cap Screw .....	9650405101	9650405101	9650405101
52	8	Hex Bolt .....	9650405201	9650405201	9650405201
54	2	Stud Bolt .....	9650405401	9650405401	9650405401
55	1	Washer .....	9650405501	9650405501	9650405501
56	4	Washer .....	9650404401	9650404401	9650404401
57	2	Bearing Retainer .....	9650405701	9650405701	9650405701
58	4	Washer Seal Ring .....	9650005801	9650005801	9650005801
59 <sup>▲</sup>	4	Gland Guard Screw O Ring, FPM .....	9650005901	9650005901	9650005901
60	2	Heating Pipe Union, - Not Shown .....	9650406001	9650406001	9650406001
61	2	Heating Pipe Elbow, - Not Shown .....	9650406101	9650406101	9650406101
62	1	Heating Pipe, - Not Shown .....	9650406201	9650406201	9650406201
63	2	Heating Adapter, - Not Shown .....	9650406301	9650406301	9650406301



Pos	Qty	Denomination	OS22/24/26 OS32/34/36			
			OS12/14/16	27/28	37/38	OS42/44/46
<b>Quantities shown are for complete pump (2 pcs complete seal per pump). Quantities shown may vary depending on seal type and materials fitted</b>						
71	2	Sleeve / Holder, Single Rotary Holder, FPM	9650107102	9650207102	9650307102	9650407102
	2	Sleeve / Holder, Double Rotary Holder, EPDM		9650207103	9650307103	9650407103
	2	Sleeve / Holder, Double Rotary Holder, FPM		9650207104	9650307104	9650407104
	2	Sleeve / Holder, Double Rotary Holder, FFPM		9650207105	9650307105	9650407105
72	□○✦	2 Seal Face, SC	9650107301	9650207301	9650307301	9650407301
	2	Seal Face, Carbon	9650107302	9650207302	9650307302	9650407302
	2	Seal Face, TC	9650107303	9650207303	9650307303	9650407303
73	□○✦	2 Seal Face, SC	9650107301	9650207301	9650307301	9650407301
	2	Seal Face, Carbon	9650107303	9650207303	9650307303	9650407303
	2	Seal Face, TC	9650107303	9650207303	9650307303	9650407303
74	2	Housing Double	9650107401	9650207401	9650307401	9650407401
75	2	Drive Ring Inner Assy	9650107501	9650207501	9650307501	9650407501
76	○	2 Static Face Double	9650107601	9650207601	9650307601	9650407601
77	○	2 Rotary Face Double	9650107701	9650207701	9650307701	9650407701
78	2	Drive Ring Outer Assy		9650207801	9650307801	9650407801
79	○	2 Circlip Double Housing		9650207901	9650307901	9650407901
80	□○✦	2 P Ring, EPDM	9650208001	9650208001	9650308001	9650408001
	2	P Ring, FPM	9650208002	9650208002	9650308002	9650408002
	2	P Ring, FFPM	9650208003	9650208003	9650308003	9650408003
81	□○✦	2 Washer, PTFE	9650108101	9650208101	9650308101	9650408101
82	□○✦	2 P Ring, EPDM	9650108201	9650208201	9650308201	9650408201
	2	P Ring, FPM	9650108202	9650208202	9650308202	9650408202
	2	P Ring, FFPM	9650108203	9650208203	9650308203	9650408203
83	□○✦	2 P Ring, EPDM	9650108301	9650208301	9650308301	9650408301
	2	P Ring, FPM	9650108301	9650208302	9650308302	9650408302
	2	P Ring, FFPM	9650108302	9650208303	9650308303	9650408303
84	○	2 O Ring, EPDM	9630023531	9650208401	9650308401	9650408401
	2	O Ring, FPM	9630023418	9650208402	9650308402	9650408402
	2	O Ring, FFPM	9630668559	9650208403	9650308403	9650408403
85	○✦	2 O Ring, EPDM	9630075999	9650208501	9650308501	9650408501
	2	O Ring, FPM	9630075998	9650208502	9650308502	9650408502
	2	O Ring, FFPM	9630685072	9650208503	9650308503	9650408503
86	○	2 O Ring, EPDM	9630046190	9650208601	9650208401	9650408601
	2	O Ring, FPM	9630046189	9650208602	9650208402	9650408602
	2	O Ring, FFPM	9630668403	9650208603	9650208403	9650408603
87	□○✦	16 Coil Spring	9650108701			
	□○✦	20 Coil Spring		9650208701	9650308701	
	□○✦	32 Coil Spring				9650408701
88	2	Housing Assy Single	9650108801	9650208801	9650308801	9650408801
89	□○✦	2 Circlip Single Housing	9650108901	9650208901	9650308901	9650408901
90	✦	2 Lip Seal Flush FPM	9650109001	9650209001	9650309001	9650409001
91	✦	2 Circlip Lip Seal Flush	9650109101	9650209101	9650309101	9650409101
92	○	2 O Ring, EPDM	9630023531	9650209201	9650308401	9650408401
	2	O Ring, FPM	9630023418	9650209202	9650308402	9650408402
	2	O Ring, FFPM	9630668559	9650209203	9650308403	9650408403
93	2	Drive Ring, Double Outer/ Sleeve	9650107801			
94	2	Rotary Holder Double	9650107103			

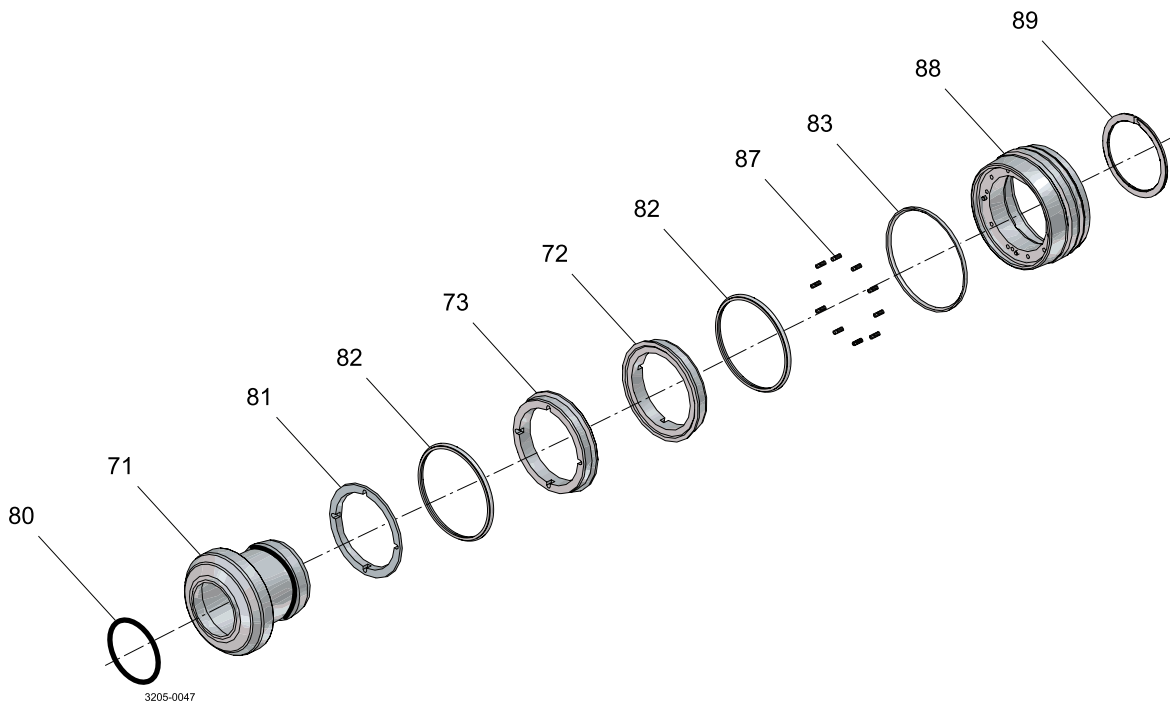


Twin Screw Pump Range - Single Seal

Pos	Qty	Denomination	OS12/14/16	OS22/24/26	OS32/34/36	OS42/44/46
			EPDM	27/28 EPDM	37/38 EPDM	EPDM
<b>For servicing complete pump, 2 pcs. complete seals are required</b>						
■		Complete Single Seal SC/C EPDM: .....	9650109501	9650209501	9650309501	9650409501
71	1	ROTARY HOLDER SINGLE .....				
72	1	STATIC FACE CARBON .....				
73	1	STATIC/ROTARY FACE SC .....				
80	1	P RING EPDM .....				
81	1	WASHER PTFE .....				
82	1	P RING EPDM .....				
83	1	P RING EPDM .....				
87	8	COIL SPRING (OS12/14/16) .....				
	10	COIL SPRING (OS22/24/26/32/34/36) .....				
	16	COIL SPRING (OS42/44/46) .....				
88	1	HOUSING ASSY SINGLE .....				
89	1	CIRCLIP SINGLE HOUSING .....				

Pos	Qty	Denomination	OS12/14/16	OS22/24/26	OS32/34/36	OS42/44/46
			FPM	27/28 FPM	37/38 FPM	FPM
■		Complete Single Seal SC/C FPM: .....	9650109502	9650209502	9650309502	9650409502
71	1	ROTARY HOLDER SINGLE .....				
72	1	STATIC FACE CARBON .....				
73	1	STATIC/ROTARY FACE SC .....				
80	1	P RING FPM .....				
81	1	WASHER PTFE .....				
82	1	P RING FPM .....				
83	1	P RING FPM .....				
87	8	COIL SPRING (OS12/14/16) .....				
	10	COIL SPRING (OS22/24/26/32/34/36) .....				
	16	COIL SPRING (OS42/44/46) .....				
88	1	HOUSING ASSY SINGLE .....				
89	1	CIRCLIP SINGLE HOUSING .....				

Pos	Qty	Denomination	OS12/14/16	OS22/24/26	OS32/34/36	OS42/44/46
			FFPM	27/28 FFPM	37/38 FFPM	FFPM
■		Complete Single Seal SC/C FFPM: .....	9650109503	9650209503	9650309503	9650409503
71	1	ROTARY HOLDER SINGLE .....				
72	1	STATIC FACE CARBON .....				
73	1	STATIC/ROTARY FACE SC .....				
80	1	P RING FFPM .....				
81	1	WASHER PTFE .....				
82	1	P RING FFPM .....				
83	1	P RING FFPM .....				
87	8	COIL SPRING (OS12/14/16) .....				
	10	COIL SPRING (OS22/24/26/32/34/36) .....				
	16	COIL SPRING (OS42/44/46) .....				
88	1	HOUSING ASSY SINGLE .....				
89	1	CIRCLIP SINGLE HOUSING .....				

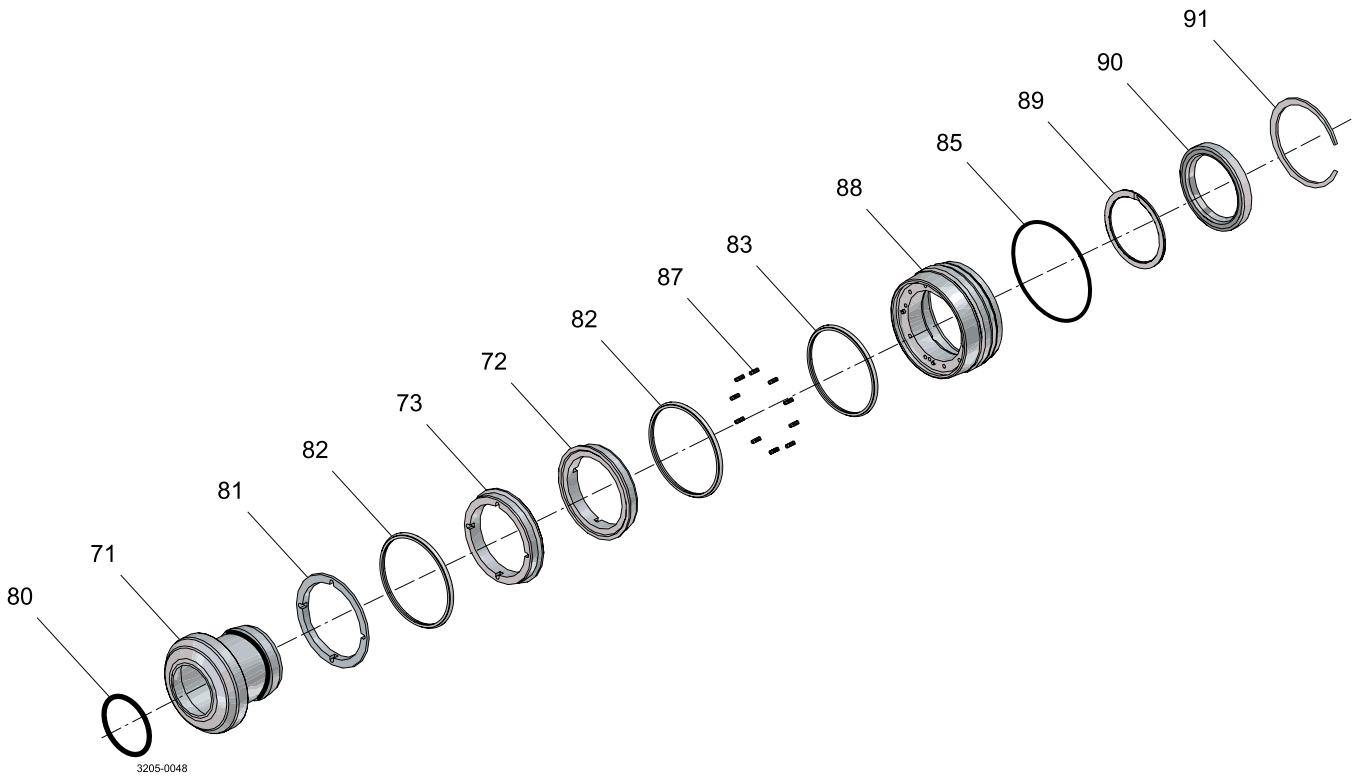


Twin Screw Pump Range - Single Seal

Pos	Qty	Denomination	OS12/14/16	OS22/24/26	OS32/34/36	OS42/44/46
			EPDM	27/28 EPDM	37/38 EPDM	EPDM
<b>For servicing complete pump, 2 pcs. complete seals are required</b>						
■		Complete Single Seal SC/SC EPDM: .....	9650109511	9650209511	9650309511	9650409511
71	1	ROTARY HOLDER SINGLE .....				
72	1	STATIC FACE SC .....				
73	1	STATIC/ROTARY FACE SC .....				
80	1	P RING EPDM .....				
81	1	WASHER PTFE .....				
82	1	P RING EPDM .....				
83	1	P RING EPDM .....				
87	8	COIL SPRING (OS12/14/16) .....				
	10	COIL SPRING (OS22/24/26/32/34/36) .....				
	16	COIL SPRING (OS42/44/46) .....				
88	1	HOUSING ASSY SINGLE .....				
89	1	CIRCLIP SINGLE HOUSING .....				

Pos	Qty	Denomination	OS12/14/16	OS22/24/26	OS32/34/36	OS42/44/46
			FPM	27/28 FPM	37/38 FPM	FPM
■		Complete Single Seal SC/SC FPM: .....	9650109512	9650209512	9650309512	9650409512
71	1	ROTARY HOLDER SINGLE .....				
72	1	STATIC FACE SC .....				
73	1	STATIC/ROTARY FACE SC .....				
80	1	P RING FPM .....				
81	1	WASHER PTFE .....				
82	1	P RING FPM .....				
83	1	P RING FPM .....				
87	8	COIL SPRING (OS12/14/16) .....				
	10	COIL SPRING (OS22/24/26/32/34/36) .....				
	16	COIL SPRING (OS42/44/46) .....				
88	1	HOUSING ASSY SINGLE .....				
89	1	CIRCLIP SINGLE HOUSING .....				

Pos	Qty	Denomination	OS12/14/16	OS22/24/26	OS32/34/36	OS42/44/46
			FFPM	27/28 FFPM	37/38 FFPM	FFPM
■		Complete Single Seal SC/SC FFPM: .....	9650109513	9650209513	9650309513	9650409513
71	1	ROTARY HOLDER SINGLE .....				
72	1	STATIC FACE SC .....				
73	1	STATIC/ROTARY FACE SC .....				
80	1	P RING FFPM .....				
81	1	WASHER PTFE .....				
82	1	P RING FFPM .....				
83	1	P RING FFPM .....				
87	8	COIL SPRING (OS12/14/16) .....				
	10	COIL SPRING (OS22/24/26/32/34/36) .....				
	16	COIL SPRING (OS42/44/46) .....				
88	1	HOUSING ASSY SINGLE .....				
89	1	CIRCLIP SINGLE HOUSING .....				

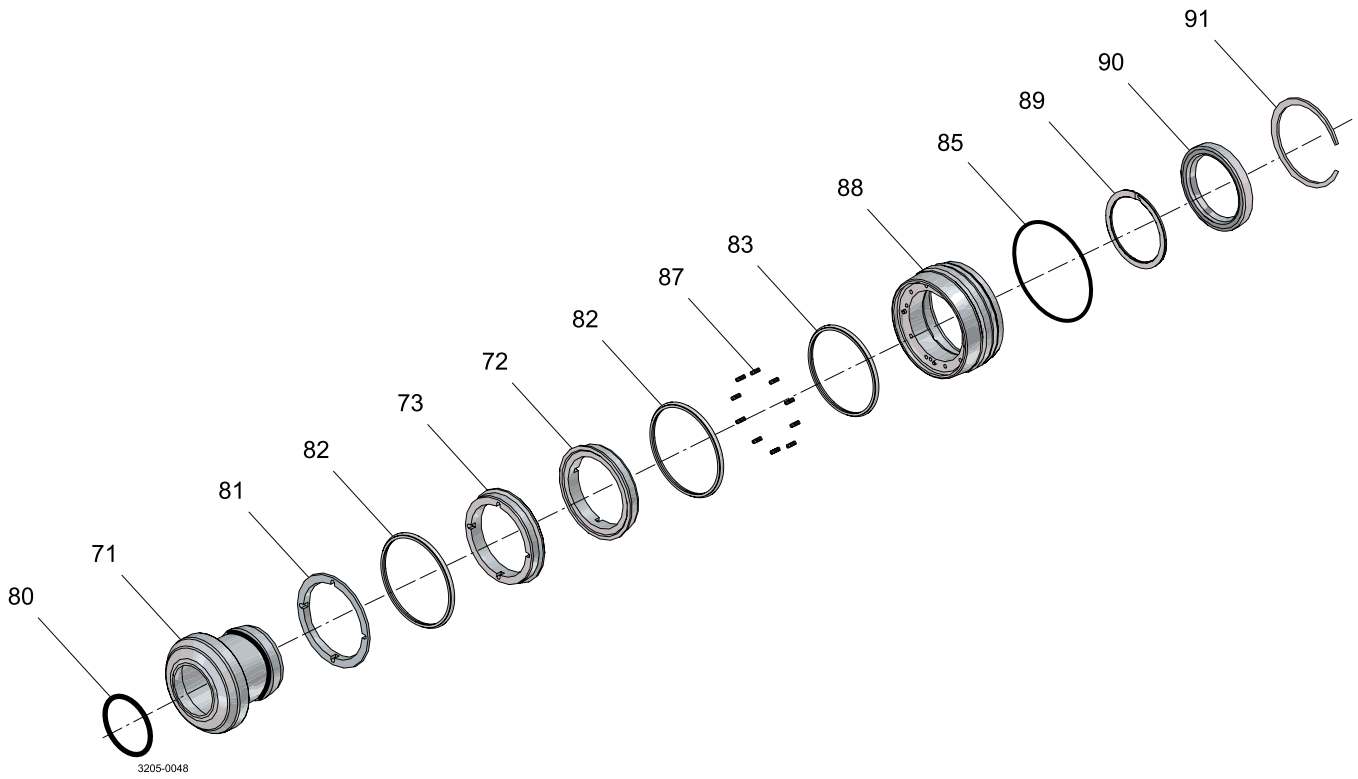


Twin Screw Pump Range - Single Flushed Seal

Pos	Qty	Denomination	OS12/14/16	OS22/24/26	OS32/34/36	OS42/44/46
			EPDM	27/28 EPDM	37/38 EPDM	EPDM
<b>For servicing complete pump, 2 pcs. complete seals are required</b>						
♦		Complete Single Flushed Seal SC/C EPDM: .....	9650109551	9650209551	9650309551	9650409551
71	1	ROTARY HOLDER SINGLE .....				
72	1	STATIC FACE CARBON .....				
73	1	STATIC/ROTARY FACE SC .....				
80	1	P RING EPDM .....				
81	1	WASHER PTFE .....				
82	1	P RING EPDM .....				
83	1	P RING EPDM .....				
85	1	O RING EPDM .....				
87	8	COIL SPRING (OS12/14/16) .....				
	10	COIL SPRING (OS22/24/26/32/34/36) .....				
	16	COIL SPRING (OS42/44/46) .....				
88	1	HOUSING ASSY SINGLE .....				
89	1	CIRCLIP SINGLE HOUSING .....				
90	1	LIP SEAL FLUSH FPM .....				
91	1	CIRCLIP LIP SEAL FLUSH .....				

Pos	Qty	Denomination	OS12/14/16	OS22/24/26	OS32/34/36	OS42/44/46
			FPM	27/28 FPM	37/38 FPM	FPM
♦		Complete Single Flushed Seal SC/C FPM: .....	9650109552	9650209552	9650309552	9650409552
71	1	ROTARY HOLDER SINGLE .....				
72	1	STATIC FACE CARBON .....				
73	1	STATIC/ROTARY FACE SC .....				
80	1	P RING FPM .....				
81	1	WASHER PTFE .....				
82	1	P RING FPM .....				
83	1	P RING FPM .....				
85	1	O RING FPM .....				
87	8	COIL SPRING (OS12/14/16) .....				
	10	COIL SPRING (OS22/24/26/32/34/36) .....				
	16	COIL SPRING (OS42/44/46) .....				
88	1	HOUSING ASSY SINGLE .....				
89	1	CIRCLIP SINGLE HOUSING .....				
90	1	LIP SEAL FLUSH FPM .....				
91	1	CIRCLIP LIP SEAL FLUSH .....				

Pos	Qty	Denomination	OS12/14/16	OS22/24/26	OS32/34/36	OS42/44/46
			FFPM	27/28 FFPM	37/38 FFPM	FFPM
♦		Complete Single Flushed Seal SC/C FFPM: .....	9650109553	9650209553	9650309553	9650409553
71	1	ROTARY HOLDER SINGLE .....				
72	1	STATIC FACE CARBON .....				
73	1	STATIC/ROTARY FACE SC .....				
80	1	P RING FFPM .....				
81	1	WASHER PTFE .....				
82	1	P RING FFPM .....				
83	1	P RING FFPM .....				
85	1	O RING FFPM .....				
87	8	COIL SPRING (OS12/14/16) .....				
	10	COIL SPRING (OS22/24/26/32/34/36) .....				
	16	COIL SPRING (OS42/44/46) .....				
88	1	HOUSING ASSY SINGLE .....				
89	1	CIRCLIP SINGLE HOUSING .....				
90	1	LIP SEAL FLUSH FPM .....				
91	1	CIRCLIP LIP SEAL FLUSH .....				

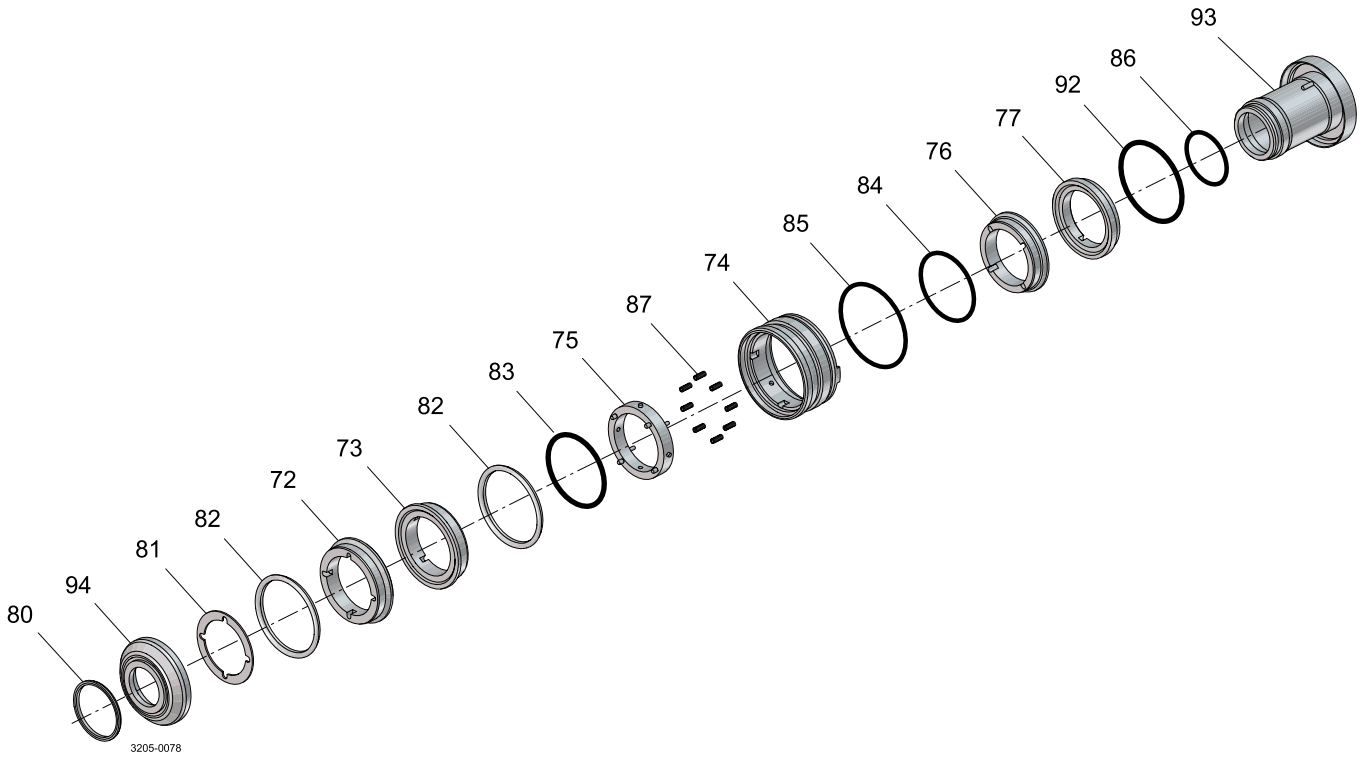


Twin Screw Pump Range - Single Flushed Seal

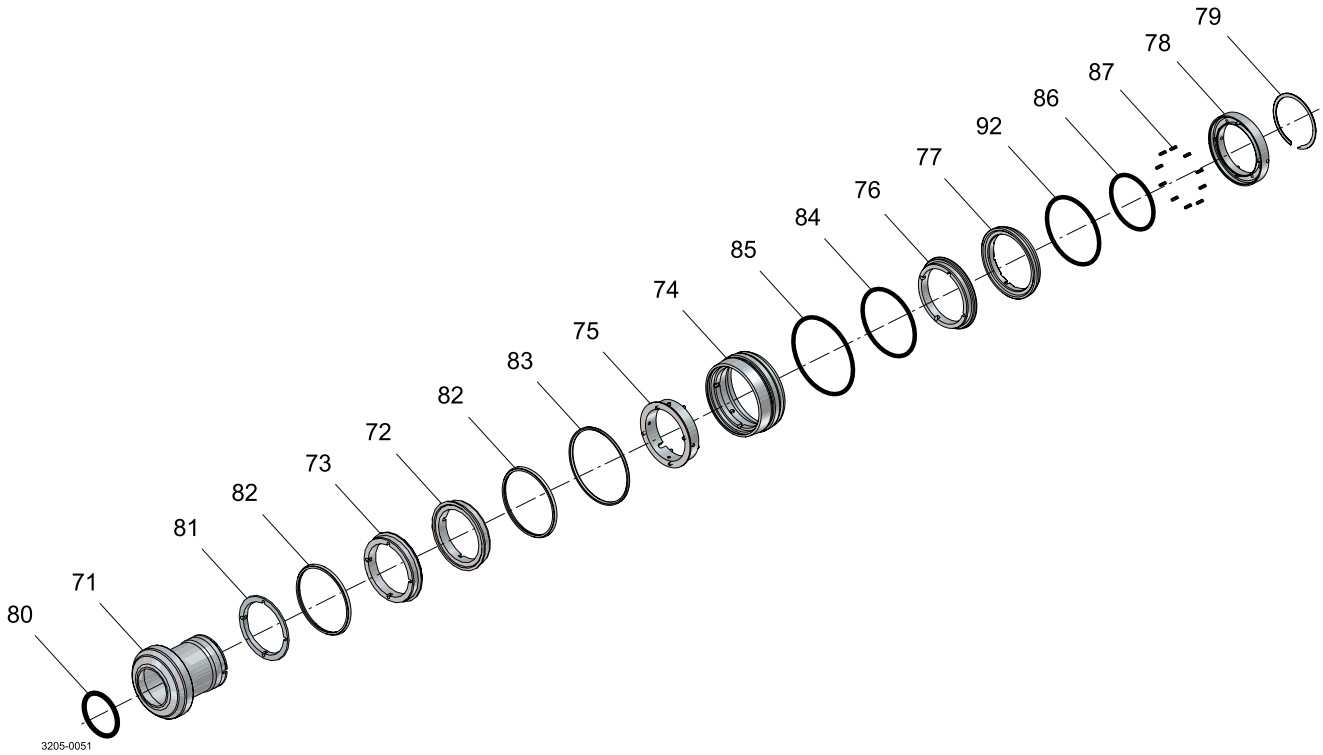
Pos	Qty	Denomination	OS12/14/16	OS22/24/26	OS32/34/36	OS42/44/46
			EPDM	27/28 EPDM	37/38 EPDM	EPDM
<b>For servicing complete pump, 2 pcs. complete seals are required</b>						
♦		Complete Single Flushed Seal SC/SC EPDM: .....	9650109561	9650209561	9650309561	9650409561
71	1	ROTARY HOLDER SINGLE .....				
72	1	STATIC FACE SC .....				
73	1	STATIC/ROTARY FACE SC .....				
80	1	P RING EPDM .....				
81	1	WASHER PTFE .....				
82	1	P RING EPDM .....				
83	1	P RING EPDM .....				
85	1	O RING EPDM .....				
87	8	COIL SPRING (OS12/14/16) .....				
	10	COIL SPRING (OS22/24/26/32/34/36) .....				
	16	COIL SPRING (OS42/44/46) .....				
88	1	HOUSING ASSY SINGLE .....				
89	1	CIRCLIP SINGLE HOUSING .....				
90	1	LIP SEAL FLUSH FPM .....				
91	1	CIRCLIP LIP SEAL FLUSH .....				

Pos	Qty	Denomination	OS12/14/16	OS22/24/26	OS32/34/36	OS42/44/46
			FPM	27/28 FPM	37/38 FPM	FPM
♦		Complete Single Flushed Seal SC/SC FPM: .....	9650109562	9650209562	9650309562	9650409562
71	1	ROTARY HOLDER SINGLE .....				
72	1	STATIC FACE SC .....				
73	1	STATIC/ROTARY FACE SC .....				
80	1	P RING FPM .....				
81	1	WASHER PTFE .....				
82	1	P RING FPM .....				
83	1	P RING FPM .....				
85	1	O RING FPM .....				
87	8	COIL SPRING (OS12/14/16) .....				
	10	COIL SPRING (OS22/24/26/32/34/36) .....				
	16	COIL SPRING (OS42/44/46) .....				
88	1	HOUSING ASSY SINGLE .....				
89	1	CIRCLIP SINGLE HOUSING .....				
90	1	LIP SEAL FLUSH FPM .....				
91	1	CIRCLIP LIP SEAL FLUSH .....				

Pos	Qty	Denomination	OS12/14/16	OS22/24/26	OS32/34/36	OS42/44/46
			FFPM	27/28 FFPM	37/38 FFPM	FFPM
♦		Complete Single Flushed Seal SC/SC FFPM: .....	9650109563	9650209563	9650309563	9650409563
71	1	ROTARY HOLDER SINGLE .....				
72	1	STATIC FACE SC .....				
73	1	STATIC/ROTARY FACE SC .....				
80	1	P RING FFPM .....				
81	1	WASHER PTFE .....				
82	1	P RING FFPM .....				
83	1	P RING FFPM .....				
85	1	O RING FFPM .....				
87	8	COIL SPRING (OS12/14/16) .....				
	10	COIL SPRING (OS22/24/26/32/34/36) .....				
	16	COIL SPRING (OS42/44/46) .....				
88	1	HOUSING ASSY SINGLE .....				
89	1	CIRCLIP SINGLE HOUSING .....				
90	1	LIP SEAL FLUSH FPM .....				
91	1	CIRCLIP LIP SEAL FLUSH .....				



**OS 10 Double Seal**



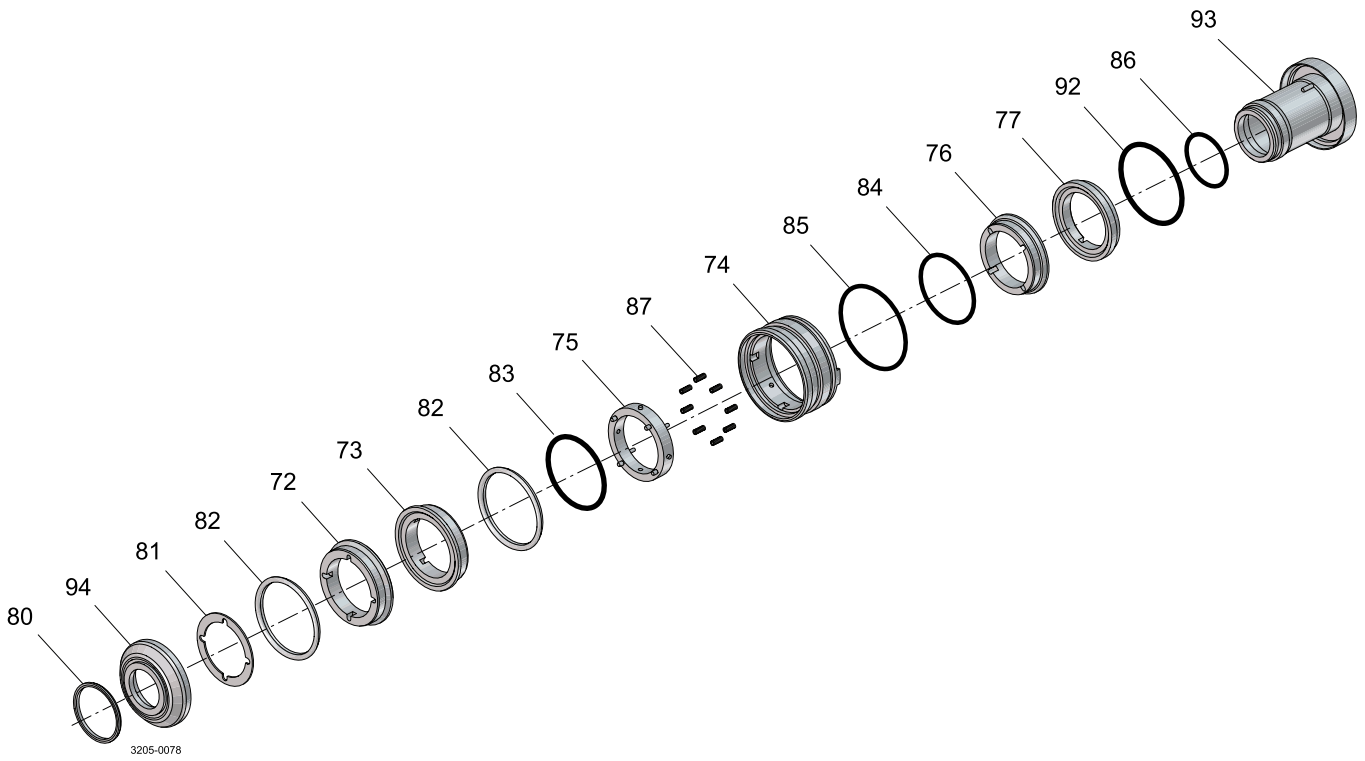
**OS 20 / 30 / 40 Double Seal**

Twin Screw Pump Range - Double Seal

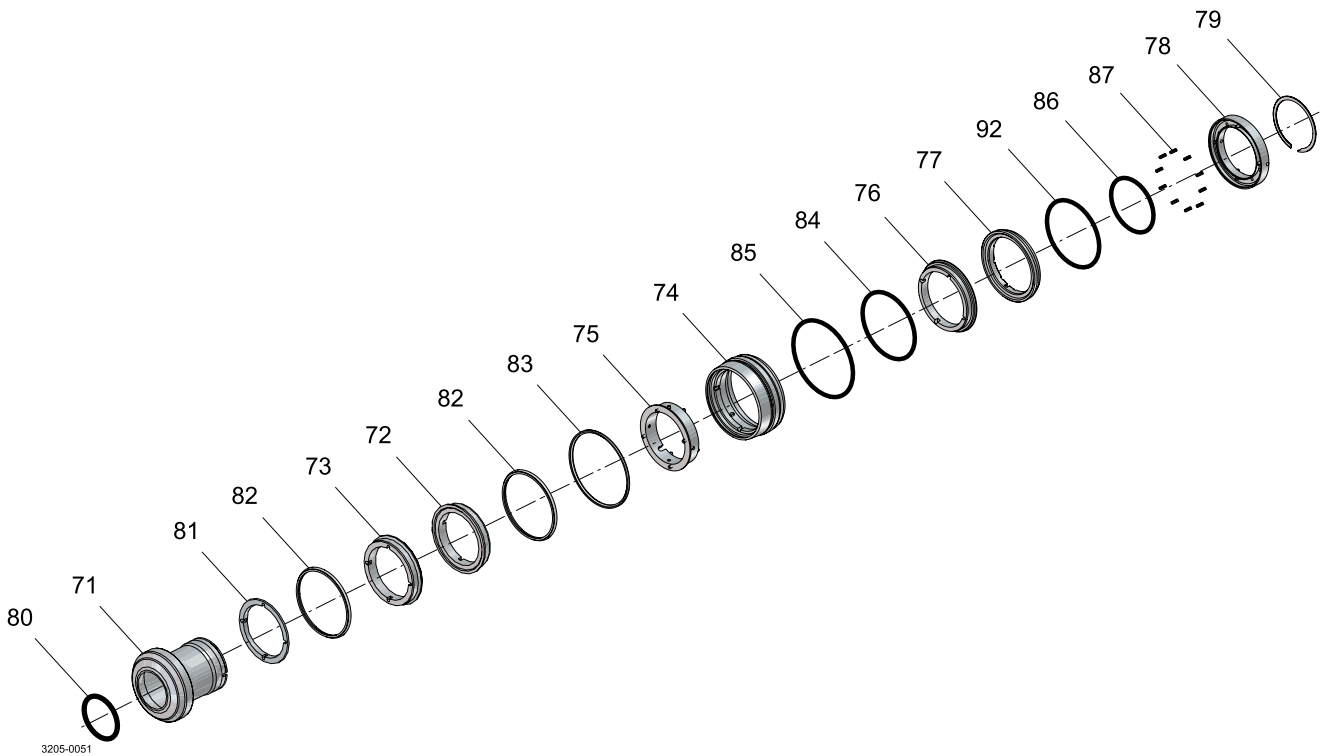
Pos	Qty	Denomination	OS12/14/16	OS22/24/26	OS32/34/36	OS42/44/46
			EPDM	27/28 EPDM	37/38 EPDM	EPDM
<b>For servicing complete pump, 2 pcs. complete seals are required</b>						
•		Complete Double Seal SC/C/SC/C EPDM: .....	9650109571	9650209571	9650309571	9650409571
71	1	ROTARY HOLDER DBL EPDM .....				
72	1	STATIC FACE CARBON .....				
73	1	STATIC/ROTARY FACE SC .....				
74	1	HOUSING DOUBLE .....				
75	1	DRIVE RING ASSY INNER DBL .....				
76	1	STATIC FACE DOUBLE SC .....				
77	1	ROTARY FACE DOUBLE CARBON .....				
78	1	DRIVE RING ASSY OUTER DBL .....				
79	1	CIRCLIP DOUBLE HOUSING .....				
80	1	P RING EPDM .....				
81	1	WASHER PTFE .....				
82	1	P RING EPDM .....				
83	1	P RING EPDM .....				
84	1	O RING EPDM .....				
85	1	O RING EPDM .....				
86	1	O RING EPDM .....				
87	8	COIL SPRING (OS12/14/16) .....				
	10	COIL SPRING (OS22/24/26/32/34/36) .....				
	16	COIL SPRING (OS42/44/46) .....				
92	1	O RING EPDM .....				
93	1	DRIVE RING, ASSY OUTER DBL / SLEEVE .....				
94	1	ROTARY HOLDER DBL .....				

Pos	Qty	Denomination	OS12/14/16	OS22/24/26	OS32/34/36	OS42/44/46
			FPM	27/28 FPM	37/38 FPM	FPM
•		Complete Double Seal SC/C/SC/C FPM: .....	9650109572	9650209572	9650309572	9650409572
71	1	ROTARY HOLDER DBL EPDM .....				
72	1	STATIC FACE CARBON .....				
73	1	STATIC/ROTARY FACE SC .....				
74	1	HOUSING DOUBLE .....				
75	1	DRIVE RING ASSY INNER DBL .....				
76	1	STATIC FACE DOUBLE SC .....				
77	1	ROTARY FACE DOUBLE CARBON .....				
78	1	DRIVE RING ASSY OUTER DBL .....				
79	1	CIRCLIP DOUBLE HOUSING .....				
80	1	P RING FPM .....				
81	1	WASHER PTFE .....				
82	1	P RING FPM .....				
83	1	P RING FPM .....				
84	1	O RING FPM .....				
85	1	O RING FPM .....				
87	8	COIL SPRING (OS12/14/16) .....				
	10	COIL SPRING (OS22/24/26/32/34/36) .....				
	16	COIL SPRING (OS42/44/46) .....				
92	1	O RING FPM .....				
93	1	DRIVE RING, ASSY OUTER DBL / SLEEVE .....				
94	1	ROTARY HOLDER DBL .....				

Pos	Qty	Denomination	OS12/14/16	OS22/24/26	OS32/34/36	OS42/44/46
			FFPM	27/28 FFPM	37/38 FFPM	FFPM
•		Complete Double Seal SC/C/SC/C FFPM: .....	9650109573	9650209573	9650309573	9650409573
71	1	ROTARY HOLDER DBL EPDM .....				
72	1	STATIC FACE CARBON .....				
73	1	STATIC/ROTARY FACE SC .....				
74	1	HOUSING DOUBLE .....				
75	1	DRIVE RING ASSY INNER DBL .....				
76	1	STATIC FACE DOUBLE SC .....				
77	1	ROTARY FACE DOUBLE CARBON .....				
78	1	DRIVE RING ASSY OUTER DBL .....				
79	1	CIRCLIP DOUBLE HOUSING .....				
80	1	P RING FFPM .....				
81	1	WASHER PTFE .....				
82	1	P RING FFPM .....				
83	1	P RING FFPM .....				
84	1	O RING FFPM .....				
85	1	O RING FFPM .....				
86	1	O RING FFPM .....				
87	8	COIL SPRING (OS12/14/16) .....				
	10	COIL SPRING (OS22/24/26/32/34/36) .....				
	16	COIL SPRING (OS42/44/46) .....				
92	1	O RING FFPM .....				
93	1	DRIVE RING, ASSY OUTER DBL / SLEEVE .....				
94	1	ROTARY HOLDER DBL .....				



**OS 10 Double Seal**

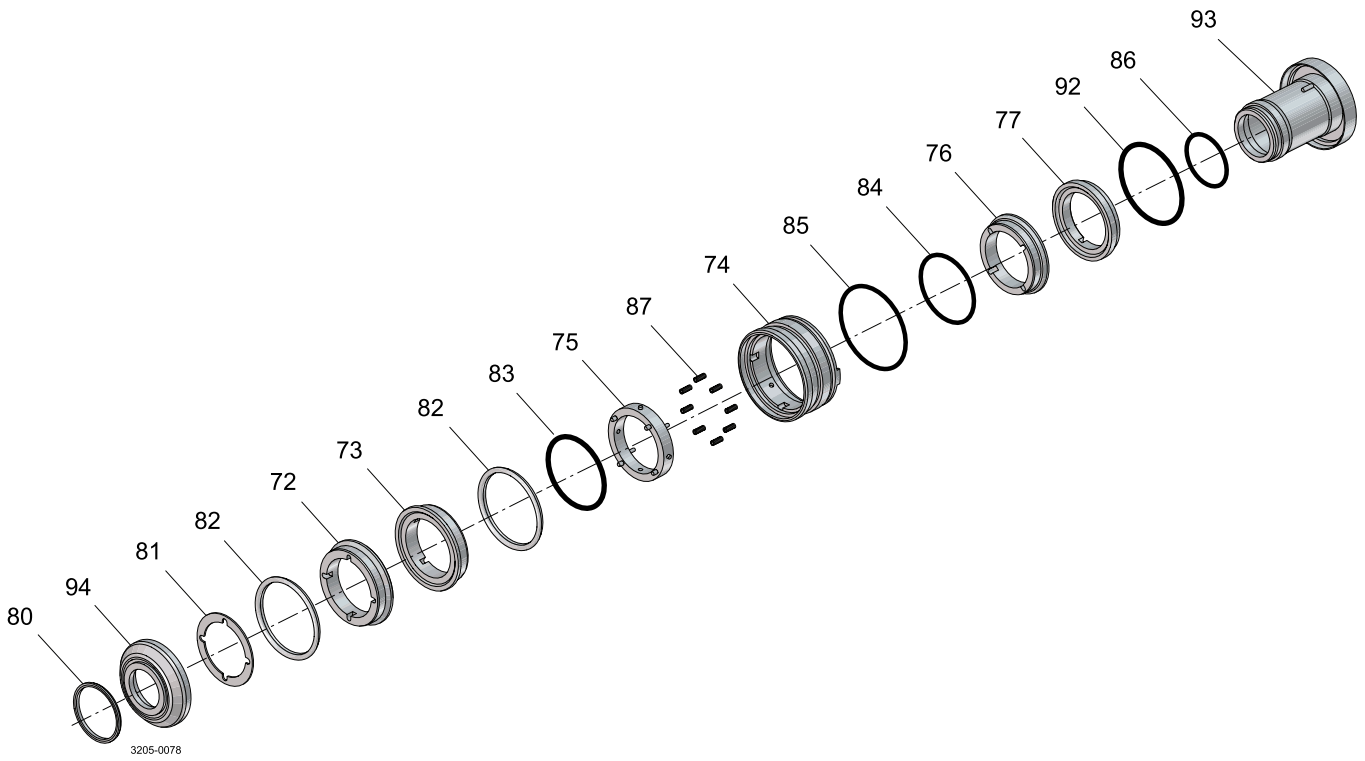


**OS 20 / 30 / 40 Double Seal**

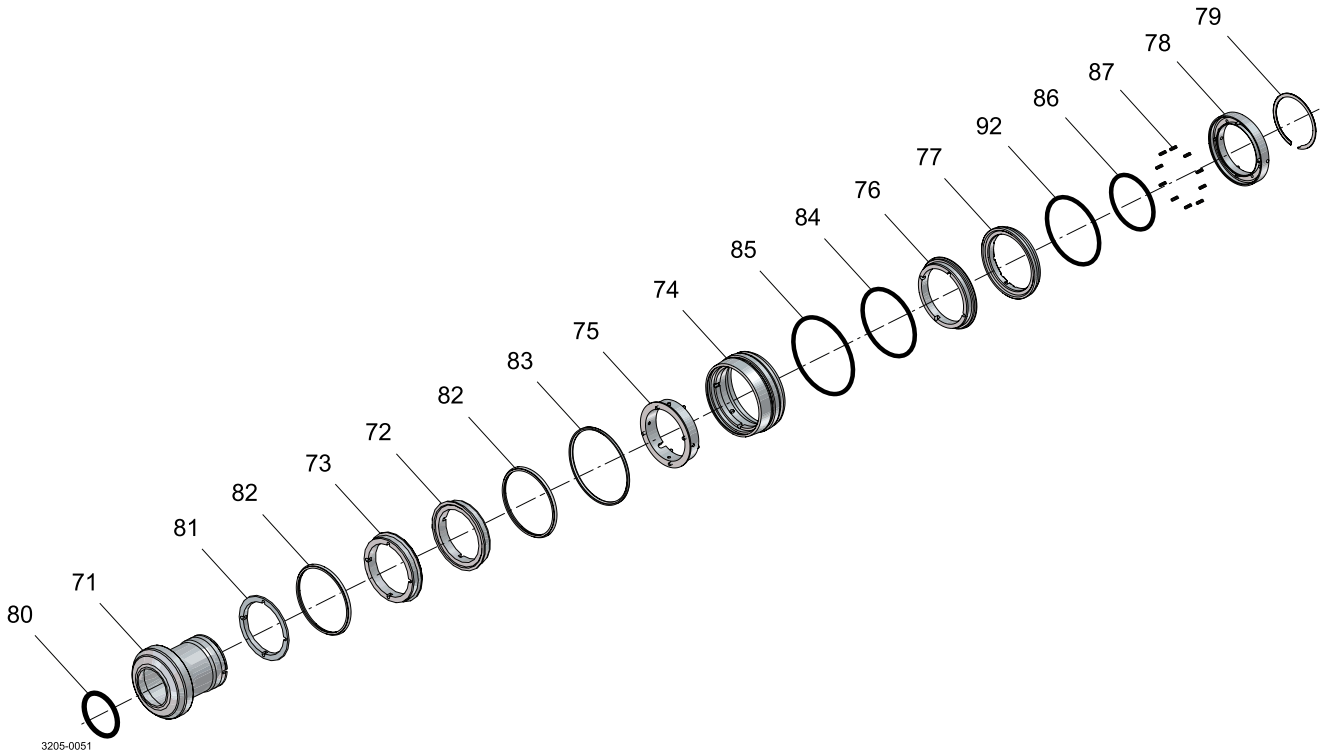
Twin Screw Pump Range - Double Seal

Pos	Qty	Denomination	OS12/14/16	OS22/24/26	OS32/34/36	OS42/44/46
			EPDM	EPDM	EPDM	EPDM
<b>For servicing complete pump, 2 pcs. complete seals are required</b>						
	•	Complete Double Seal SC/SC/SC/C EPDM: .....	9650109581	9650209581	9650309581	9650409581
71	1	ROTARY HOLDER DBL EPDM .....				
72	1	STATIC/ROTARY FACE SC .....				
73	1	STATIC/ROTARY FACE SC .....				
74	1	HOUSING DOUBLE SS .....				
75	1	DRIVE RING ASSY INNER DBL .....				
76	1	STATIC FACE DOUBLE SC .....				
77	1	ROTARY FACE DOUBLE CARBON .....				
78	1	DRIVE RING ASSY OUTER DBL .....				
79	1	CIRCLIP DOUBLE HOUSING .....				
80	1	P RING EPDM .....				
81	1	WASHER PTFE .....				
82	1	P RING EPDM .....				
83	1	P RING EPDM .....				
84	1	O RING EPDM .....				
85	1	O RING EPDM .....				
86	1	O RING EPDM .....				
87	8	COIL SPRING (OS12/14/16) .....				
	10	COIL SPRING (OS22/24/26/32/34/36) .....				
	16	COIL SPRING (OS42/44/46) .....				
92	1	O RING EPDM .....				
93	1	DRIVE RING, ASSY OUTER DBL / SLEEVE .....				
94	1	ROTARY HOLDER DBL .....				

Pos	Qty	Denomination	OS12/14/16	OS22/24/26	OS32/34/36	OS42/44/46
			FPM	FPM	FPM	FPM
	•	Complete Double Seal SC/SC/SC/C FPM: .....	9650109582	9650209582	9650309582	9650409582
71	1	ROTARY HOLDER DBL EPDM .....				
72	1	STATIC/ROTARY FACE SC .....				
73	1	STATIC/ROTARY FACE SC .....				
74	1	HOUSING DOUBLE SS .....				
75	1	DRIVE RING ASSY INNER DBL .....				
76	1	STATIC FACE DOUBLE SC .....				
77	1	ROTARY FACE DOUBLE CARBON .....				
78	1	DRIVE RING ASSY OUTER DBL .....				
79	1	CIRCLIP DOUBLE HOUSING .....				
80	1	P RING FPM .....				
81	1	WASHER PTFE .....				
82	1	P RING FPM .....				
83	1	P RING FPM .....				
84	1	O RING FPM .....				
85	1	O RING FPM .....				
86	1	O RING FPM .....				
87	8	COIL SPRING (OS12/14/16) .....				
	10	COIL SPRING (OS22/24/26/32/34/36) .....				
	16	COIL SPRING (OS42/44/46) .....				
92	1	O RING FPM .....				
93	1	DRIVE RING, ASSY OUTER DBL / SLEEVE .....				
94	1	ROTARY HOLDER DBL .....				



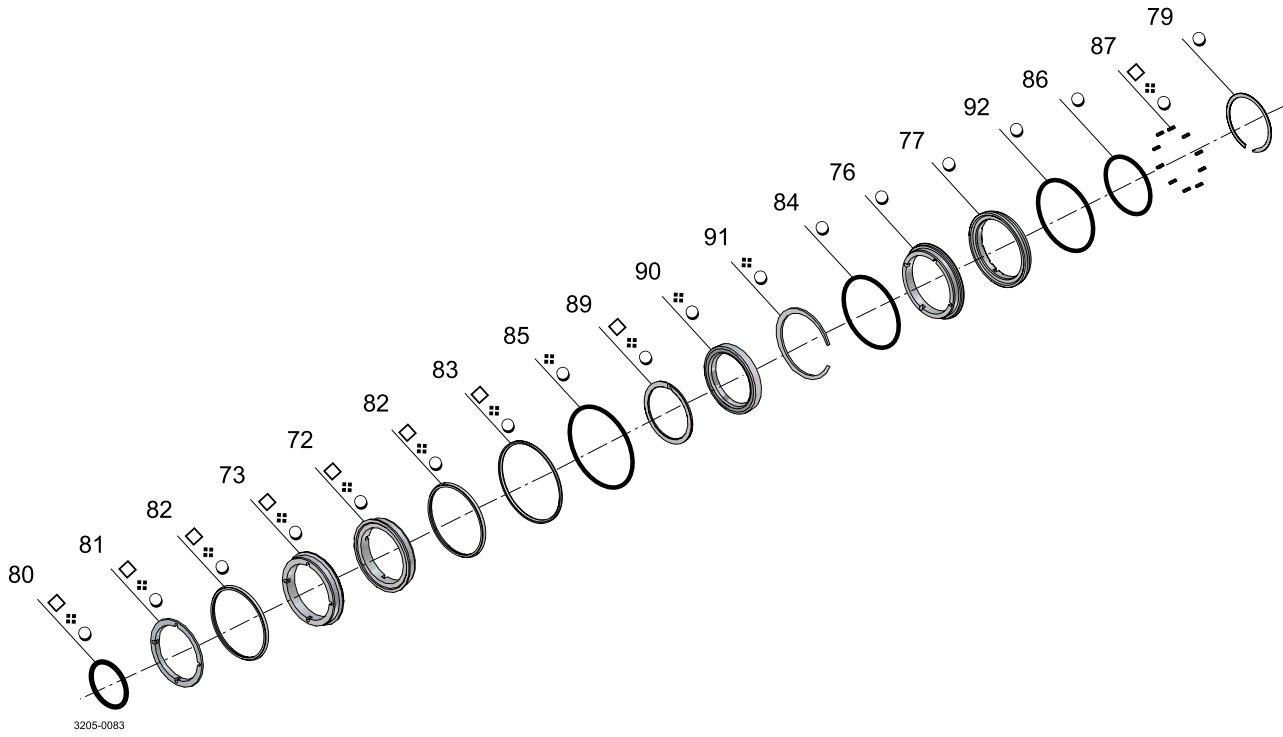
**OS 10 Double Seal**



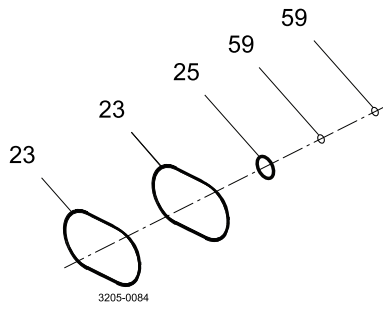
**OS 20 / 30 / 40 Double Seal**

Twin Screw Pump Range - Double Seal

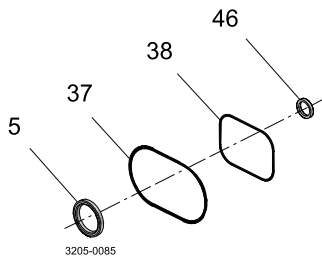
Pos	Qty	Denomination	OS12/14/16	OS22/24/26	OS32/34/36	OS42/44/46
			FFPM	27/28 FFPM	37/38 FFPM	FFPM
	•	Complete Double Seal SC/SC/SC/C FFPM: .....	9650109583	9650209583	9650309583	9650409583
71	1	ROTARY HOLDER DBL EPDM .....				
72	1	STATIC/ROTARY FACE SC .....				
73	1	STATIC/ROTARY FACE SC .....				
74	1	HOUSING DOUBLE SS .....				
75	1	DRIVE RING ASSY INNER DBL .....				
76	1	STATIC FACE DOUBLE SC .....				
77	1	ROTARY FACE DOUBLE CARBON .....				
78	1	DRIVE RING ASSY OUTER DBL .....				
79	1	CIRCLIP DOUBLE HOUSING .....				
80	1	P RING FFPM .....				
81	1	WASHER PTFE .....				
82	1	P RING FFPM .....				
83	1	P RING FFPM .....				
84	1	O RING FFPM .....				
85	1	O RING FFPM .....				
86	1	O RING FFPM .....				
87	8	COIL SPRING (OS12/14/16) .....				
	10	COIL SPRING (OS22/24/26/32/34/36) .....				
	16	COIL SPRING (OS42/44/46) .....				
92	1	O RING FFPM .....				
93	1	DRIVE RING, ASSY OUTER DBL / SLEEVE .....				
94	1	ROTARY HOLDER DBL .....				



**Seal Kit**



**Wet End Elastomer Kit**



**Gearbox Elastomer Kit**

	EPDM	FPM	FFPM	
<b>Seal Service Kits allow rebuilding of the existing cartridge seals, containing only the consumable parts. For servicing complete pump 2 pcs. seal service kits are required.</b>				
<b>Service Kits for Single Seal OSC SC/C</b>				
□	Service Kit, OSC SC/C (OS12/14/16) .....	9650109601	9650109602	9650109603
□	Service Kit, OSC SC/C (OS22/24/26/27/28) .....	9650209601	9650209602	9650209603
□	Service Kit, OSC SC/C (OS32/34/36/37/38) .....	9650309601	9650309602	9650309603
□	Service Kit, OSC SC/C (OS42/44/46) .....	9650409601	9650409602	9650409603
<b>Service Kits for Single Seal OSC SC/SC</b>				
□	Service Kit, OSC SC/SC (OS12/14/16) .....	9650109611	9650109612	9650109613
□	Service Kit, OSC SC/SC (OS22/24/26/27/28) .....	9650209611	9650209612	9650209613
□	Service Kit, OSC SC/SC (OS32/34/36/37/38) .....	9650309611	9650309612	9650309613
□	Service Kit, OSC SC/SC (OS42/44/46) .....	9650409611	9650409612	9650409613
	EPDM Flushed	FPM Flushed	FFPM Flushed	
<b>Service Kits for Single Flushed Seal OSC SC/C</b>				
✦	Service Kit, OSC SC/C (OS12/14/16) .....	9650109651	9650109652	9650109653
✦	Service Kit, OSC SC/C (OS22/24/26/27/28) .....	9650209651	9650209652	9650209653
✦	Service Kit, OSC SC/C (OS32/34/36/37/38) .....	9650309651	9650309652	9650309653
✦	Service Kit, OSC SC/C (OS42/44/46) .....	9650409651	9650409652	9650409653
<b>Service Kits for Single Flushed Seal OSC SC/SC</b>				
✦	Service Kit, OSC SC/SC (OS12/14/16) .....	9650109661	9650109662	9650109663
✦	Service Kit, OSC SC/SC (OS22/24/26/27/28) .....	9650209661	9650209662	9650209663
✦	Service Kit, OSC SC/SC (OS32/34/36/37/38) .....	9650309661	9650309662	9650309663
✦	Service Kit, OSC SC/SC (OS32/34/36/37/38) .....	9650409661	9650409662	9650409663
<b>Service Kits for Double Flushed Seal OSC SC/C v SC/C</b>				
○	Service Kit, OSC SC/C v SC/C (OS12/14/16) .....	9650109671	9650109672	9650109673
○	Service Kit, OSC SC/C v SC/C (OS22/24/26/27/28) .....	9650209671	9650209672	9650209673
○	Service Kit, OSC SC/C v SC/C (OS32/34/36/37/38) .....	9650309671	9650309672	9650309673
○	Service Kit, OSC SC/C v SC/C (OS42/44/46) .....	9650409671	9650409672	9650409673
<b>Service Kits for Double Flushed Seal OSC SC/SC v SC/C</b>				
○	Service Kit, OSC SC/SC v SC/C (OS12/14/16) .....	9650109681	9650109682	9650109683
○	Service Kit, OSC SC/SC v SC/C (OS22/24/26/27/28) .....	9650209681	9650209682	9650209683
○	Service Kit, OSC SC/SC v SC/C (OS32/34/36/37/38) .....	9650309681	9650309682	9650309683
○	Service Kit, OSC SC/SC v SC/C (OS42/44/46) .....	9650409681	9650409682	9650409683
<b>Service Kits for Wet End Elastomer kit (1 pcs. required per pump unit)</b>				
▲	Service Kit, Wet End Elastomer (OS12/14/16) .....	9650109701	9650109702	9650109703
▲	Service Kit, Wet End Elastomer (OS22/24/26/27/28) .....	9650209701	9650209702	9650209703
▲	Service Kit, Wet End Elastomer (OS32/34/36/37/38) .....	9650309701	9650309702	9650309703
▲	Service Kit, Wet End Elastomer (OS42/44/46) .....	9650409701	9650409702	9650409703
<b>Service Kits for Gearbox Elastomer kit (1 pcs. required per pump unit)</b>				
△	Service Kit, Gearbox Elastomer (OS12/14/16) .....	9650109801		
△	Service Kit, Gearbox Elastomer (OS22/24/26/27/28) .....	9650209801		
△	Service Kit, Gearbox Elastomer (OS32/34/36/37/38) .....	9650309801		
△	Service Kit, Gearbox Elastomer (OS42/44/46) .....	9650409801		
<b>Commisioning Plugs (1 pcs. required per pump unit)</b>				
	Commisioning Plugs (OS12/14/16) .....	9650109401		
	Commisioning Plugs (OS22/24/26/27/28) .....	9650209401		
	Commisioning Plugs (OS32/34/36/37/38) .....	9650209401		
	Commisioning Plugs (OS42/44/46) .....	9650209401		

**How to contact Alfa Laval**

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