

FES-G Series

STAINLESS STEEL PUMP



Solid Shaft $\varnothing 40\text{mm}$

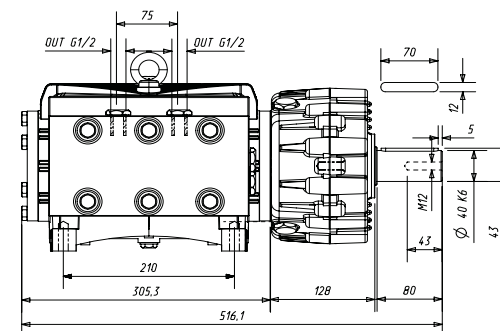
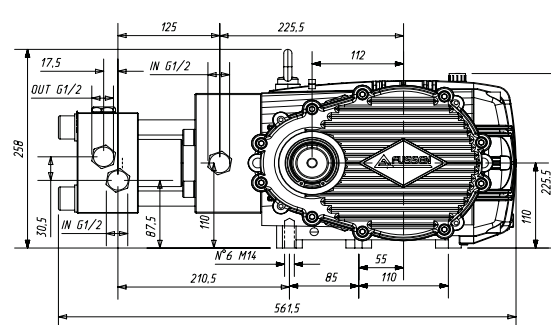
SPECIFICATIONS

Pump Model	FES-G15150	FES-G10200
Flow Rate (L/min)	15	10
Pressure (bar)	1500	2000
Power (kw)	45	40
RPM	800	800
Shaft Diameter (mm)	40	40
Plunger Stroke (mm)	45	42
Plunger Diameter (mm)	14	12
Oil Capacity (ml)	3450	3450
Inlet Thread	G 1/2	G 1/2
Outlet Thread	G 1/2	G 1/2
Weight (kg)	79	79
Dimensions (mm)	562X517X260	562X517X260

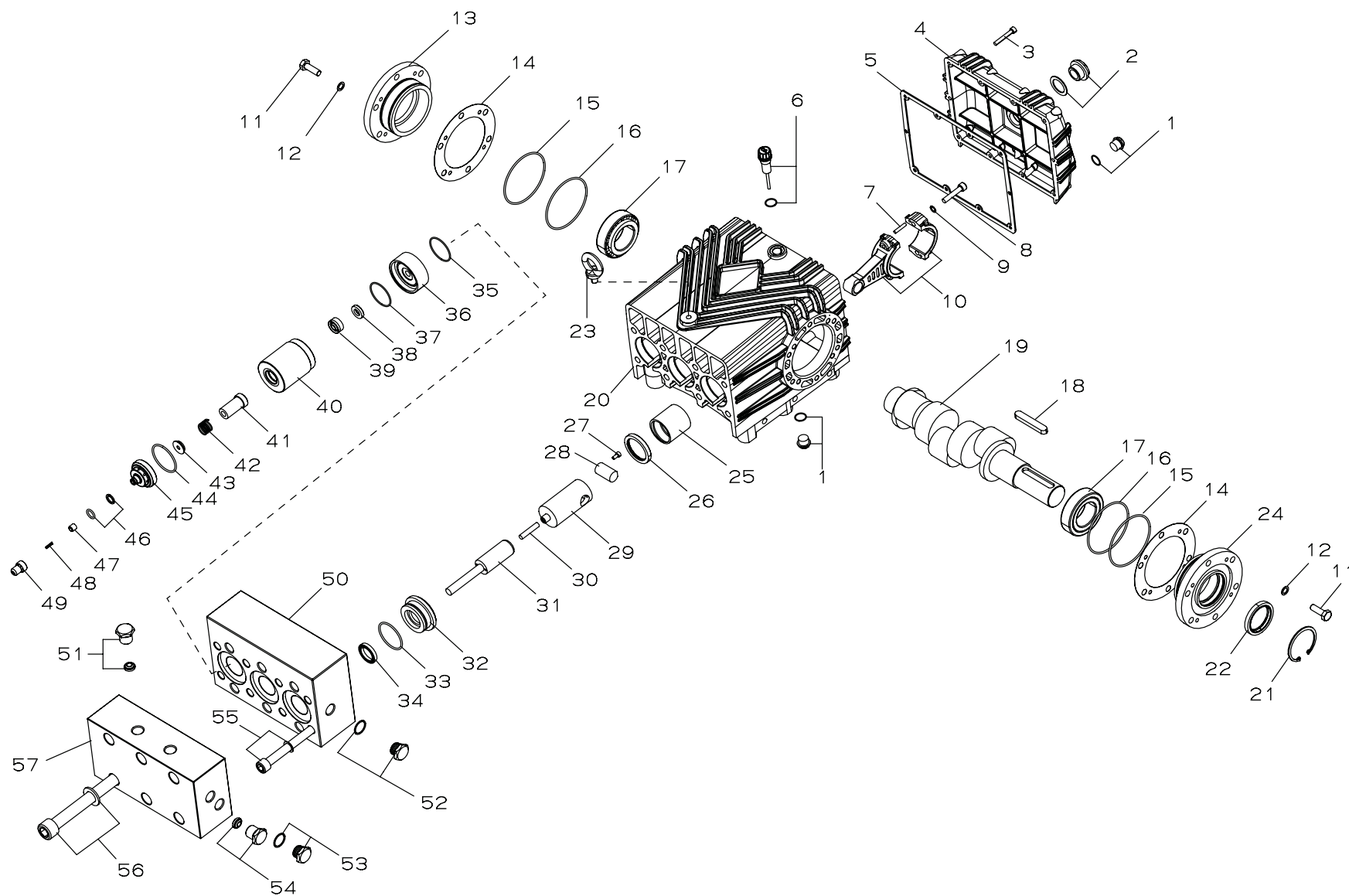
FEATURES

- High-strength stainless-steel pump head provides structural strength and corrosion resistance.
- Forged crankshaft with surface nitriding improves strength and wear resistance.
- The connecting rod is made of a Zn-Cu alloy, improving wear resistance and helping reduce operating noise.
- Tapered roller bearings improve load capability and durability.
- Tungsten-carbide plunger provides high strength and long service life.

DIMENSIONS(mm)



EXPLODED VIEW



COMPONENTS

ITEM	PART NO.	Name	QTY	ITEM	PART NO.	Name	QTY	ITEM	PART NO.	Name	QTY
1	7.400-011	Plug	2	20	7.906-011.3	Crankcase	1	39	7.906-052.2	Packing	9
2	7.906-160	Oil Sight Glass	1	21	7.906-043.1	Shaft Retaining Ring	1	40	7.906-653	Packing Cylinder	1
3	7.301-013	Rear Cover Screw	10	22	7.906-051.1	Shaft Oil Seal	1	41	7.906-654	Guide Copper Sleeve	3
4	7.906-011.3	Rear Cover	1	23	7.301-016	Hanging Ring	3	42	7.906-142	Suction Valve Spring	3
5	7.906-010.2	Rear Cover Oil Gasket	1	24	7.906-060.1	Side Cover	3	43	7.906-100	Suction Valve Plate	3
6	7.903-035	Dipstick	1	25	7.906-062	Crankcase Copper Sleeve	6	44	7.906-049.6	Packing Cylinder O-Ring	3
7	7.301-014	Connecting Rod Pin	6	26	7.906-051.2	Crankcase Oil Seal	3	45	7.906-099	Valve Body	3
8	7.301-020	Connecting Rod Screw	6	27	7.301-017	Plunger Rod Screw	3	46	7.905-052.2	Discharge Valve Seal	3
9	7.301-031	Connecting Rod Screw Washer	6	28	7.906-033.3	Plunger Rod Pin	3	47	7.906-066	Discharge Valve Disc	3
10	7.906-001.2	Copper Connecting Rod	3	29	7.906-024	Plunger Rod	3	48	7.906-143	Discharge Valve Spring	3
11	7.301-015	End Cap Screw	12	30	7.906-650	Connecting Stud	3	49	7.906-655	Discharge Valve Seat	3
12	7.906-145	End Cover Screw Washer	12	31	7.906-158	Alloy Plunger	3	50	7.906-656	Back Plate	3
13	7.906-060	Side Cover	1	32	7.906-089	Guide Seat	3	51	7.906-166	Plug	3
14	7.906-048	Bearing Adjustment Shim	1	33	7.906-049	Guide Seat Seal Ring	3	52	7.400-001.2	Plug	3
15	7.906-019.9	End Cover Seal	2	34	7.906-358	Low Pressure Water Seal	3	53	7.400-001.2	Plug	1
16	7.906-019.9	End Cover Seal	2	35	7.906-055.3	End Cover Seal Ring	3	54	7.906-166	Plug	1
17	7.906-014.1	Bearing	2	36	7.906-651	End Cover	3	55	7.301-022	Back Plate Screw	8
18	7.906-035.2	Parallel Key	1	37	7.906-055.3	End Cover Seal Ring	1	56	7.301-049	Pump Head Screw	8
19	7.906-177	Crankshaft	1	38	7.906-652	High Pressure Seal Holder	4	57	7.906-657	Pump Head	2

REPAIR KITS

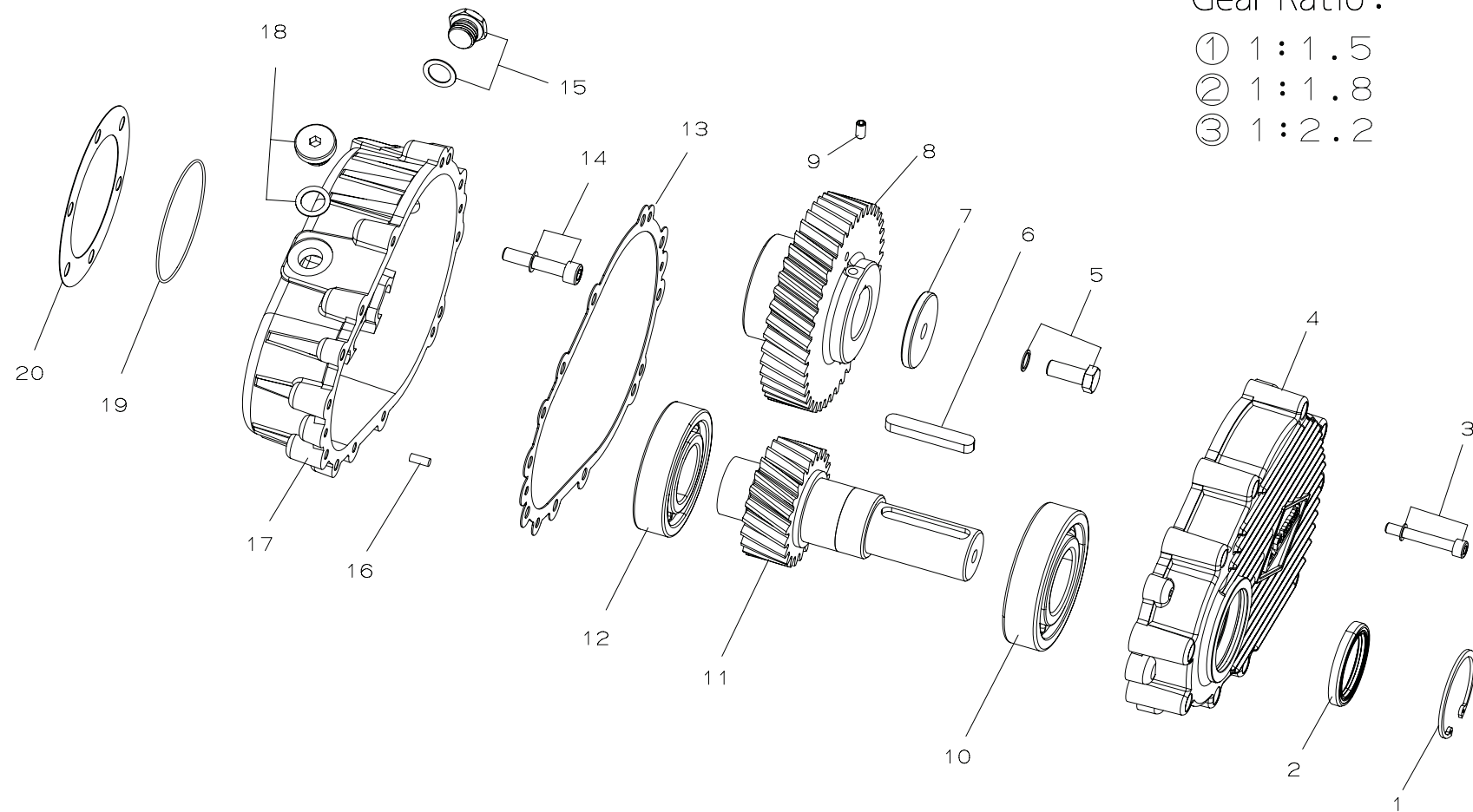
Water Seal Kit				
Index	34	35	37	39
Part Number	7.906-358	7.906-055.3	7.906-055.3	7.906-052.2
Name	Low Pressure Water Seal	End Cover Seal Ring	End Cover Seal Ring	Packing
Quantity	3	3	3	3

Oil Seal Kit		
Index	22	26
Part Number	7.906-051.1	7.906-051.2
Name	Shaft Oil Seal	Crankcase Oil seal
Quantity	1	3

Valve Kit							
Index	43	44	45	46	47	48	49
Part Number	7.906-100	7.906-049.6	7.906-099	7.906-052.2	7.906-066	7.906-143	7.906-655
Name	Suction Valve Plate	Packing Cylinder O-Ring	Valve Body	Discharge Valve Seal	Discharge Valve Disc	Discharge Valve Spring	Discharge Valve Seat
Quantity	3	3	3	3	3	3	3

Plunger Kit	
Index	31
Part Number	7.906-158
Name	Alloy Plunger
Quantity	3

EXPLODED VIEW (GEARBOX)



Gear Ratio :

① 1 : 1.5

② 1 : 1.8

③ 1 : 2.2

COMPONENTS (GEARBOX)

ITEM	PART NO.	Name	QTY
1	7.905-053	Internal Circlip	1
2	7.905-039	Output Shaft Oil Seal	1
3	7.310-054	M8×55 Hex Socket Screw	10
4	7.140-007	Front Housing Cover	1
5	7.301-056	M12×30 Hex Head Screw	1
6	7.905-054	Parallel Key	1
7	7.905-057	Driven Gear Retainer	1
8	7.400-260	Driven Gear	1
9	7.301-057	M8×15 Set Screw	1
10	7.905-041	Output Shaft Bearing	1

ITEM	PART NO.	Name	QTY
11	7.400-254	Driving Gear	1
12	7.905-042	Inner Crankcase Bearing	1
13	7.905-051	Crankcase Oil Baffle Gasket	1
14	7.301-055	Hexagon Socket Bolt	6
15	7.905-052	G1/2 Oil Sight Glass With Gasket	1
16	7.905-055	Dowel Pin	2
17	7.140-008	Crankcase Rear Cover	1
18	7.905-056	G1/2 Plug With Gasket	2
19	7.905-040	Rear Cover O-Ring	1
20	7.905-050	Rear Cover Oil Baffle Gasket	1

DIMENSIONS (GEARBOX)

