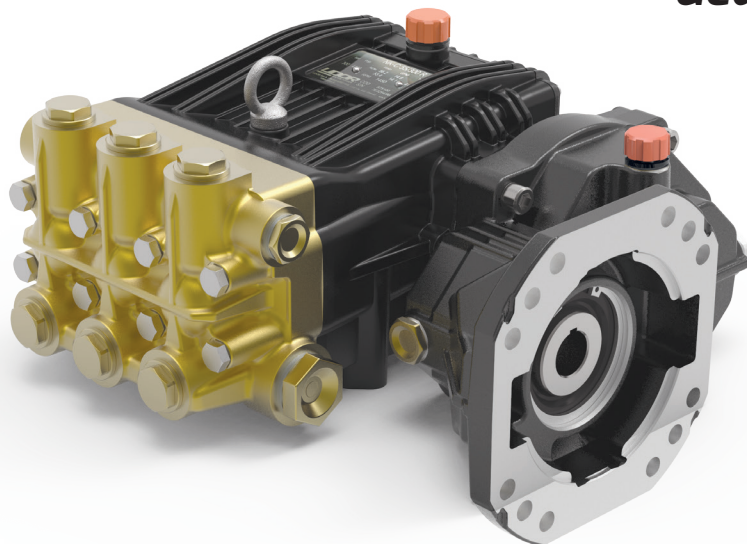


Gear Reduction, Gas Engine Models

1-1/8" or 1-7/16" Hollow Shaft

2.2:1 Gear Reduction Drive



- Brass Manifold
- Solid Ceramic Plungers
- Stainless Steel Plunger Guides and Check Valves
- Bronze Connecting Rods
- Heavy Duty Flat Base High Pressure Seals
- 57.6 oz. Capacity Vented Oil Bath Crank Case
- Max Fluid Temp, 160°F
- 1-1/8" or 1-7/16" Hollow Shaft. Please Specify
- For Kohler® Engine Applications, add 'K' to Model#

Model Examples:

NKC 35/350 GR 1-1/8 (Std B&S, Honda)

NKC 47/350 GR 1-7/16 K (Kohler)

NKC Series Gas Engine, Gear Reduction Drive Plunger Pumps

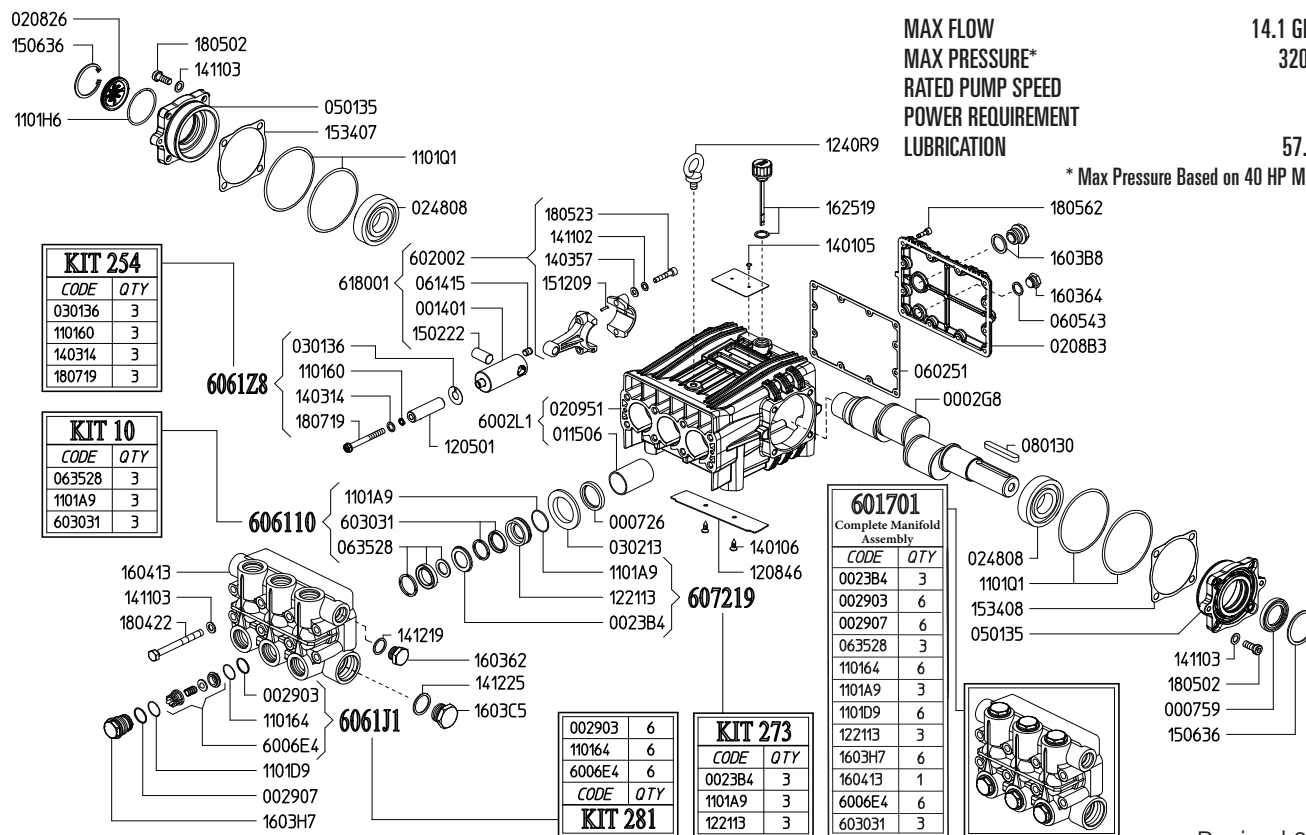
NKC Series super duty plunger pumps include a wide range of models with flow rates from 9.1 to 23.0 GPM and pressures up to 5000 PSI.

Other drive options include a 30mm solid shaft or hydraulic motor flange

Applications include general pressure cleaning,, construction, hydro-excavation UHP fire fighting, mining and street cleaning.

	Model	Flow		Pressure		Plunger Dia.	Crankshaft		Power	Seal Kit	Valve Kit	Wt.
		GPM	l/min	PSI	bar		Stroke	Code				
Gear Reduction	NKC 35/350 GR	9.1	34.6	5000	340	22mm	22.0mm	3	40 HP Gas	6061.10	6061.J1	92 lbs
	NKC 47/350 GR	12.5	47.1	3600	240	22mm	30.0mm	F	40 HP Gas	6061.10	6061.J1	92 lbs
	NKC 55/300 GR	14.1	53.4	3200	220	22mm	34.0mm	7	40 HP Gas	6061.10	6061.J1	92 lbs
	NKC 60/250 GR	16.1	60.9	2800	190	25mm	30.0mm	F	40 HP Gas	6061.11	6061.94	92 lbs
	NKC 70/250 GR	18.2	69.0	2500	170	25mm	34.0mm	7	40 HP Gas	6061.11	6061.94	92 lbs
	NKC 75/170 GR	19.9	75.1	2300	160	28mm	30.0mm	F	40 HP Gas	6061.12	6061.M6	92 lbs
	NKC 85/170 GR	23.0	87.0	2000	140	28mm	34.0mm	7	40 HP Gas	6061.12	6061.M6	92 lbs





MAX FLOW
MAX PRESSURE*
RATED PUMP SPEED
POWER REQUIREMENT
LUBRICATION

14.1 GPM / 53.4 L/MIN
3200 PSI / 220 BAR
1450 RPM
40.0 HP GAS
57.6 OZ UDOR LUBE

* Max Pressure Based on 40 HP Max Gearbox Capacity

Revised 9-15-2025

Part #	Description	Qty
0002.G8	CRANKSHAFT 30MM	1
0007.26	OIL SEAL D35	3
0007.59	OIL SEAL	1
0014.01	PLUNGER GUIDE	3
0023.B4	UPPER RING D22 ^{D E}	3
0029.03	BACK UP RING ^{C E}	6
0029.07	RING - VALVE PLUG ^E	6
0115.06	BUSHING D35	3
0208.26	OIL SIGHT GLASS	1
0208.B3	BACK COVER	1
0209.51	CRANKCASE	1
0248.08	BALL BEARING	2
0301.36	SLINGER RING ^A	3
0302.13	SPACER	3
0501.35	BEARING FLANGE	2
0602.51	GASKET - PUMP BODY	1
0605.43	GASKET - D17	1
0614.15	SET SCREW	3
0635.28	HIGH PRESSURE SEAL KIT D22 ^{B E}	3
0801.30	KEY	1
1101.60	O-RING - PLUNGER BOLT ^A	3
1101.64	O-RING - VALVE ^{C E}	6
1101.A9	O-RING - PRESSURE RING ^{B D E}	3
1101.D9	O-RING - VALVE PLUG ^E	6
1101.H6	O-RING - OIL SIGHT GLASS	1
1101.Q1	O-RING - BEARING FLANGE	4
1205.01	CERAMIC PLUNGER D22	3
1208.46	PLATE	1
1221.13	PRESSURE RING D22 ^{D E}	3
1240.R9	LIFTING HOOK M10	1
1401.05	RIVET 3.5X8	2
1401.06	RIVET D4X10	2
1403.14	WASHER - PLUNGER BOLT ^A	3
1403.57	WASHER M8	6
1411.02	SERRATED WASHER D8	6

Part #	Description	Qty
1411.03	WASHER	16
1412.19	BONDED WASHER D21.5	1
1412.25	BONDED WASHER D33.9 (G1")	1
1502.22	PIN	3
1506.36	SNAP RING	2
1512.09	PIN D5X20	6
1534.07	GASKET - BEARING FLANGE	1
1534.08	SPACER / GASKET	1
1603.62	PLUG G1/2"	1
1603.64	PLUG 3/8"	1
1603.B8	OIL SIGHT GLASS W/GASKET	1
1603.C5	PLUG G1"	1
1603.H7	VALVE PLUG D22/25 ^E	6
1604.13	HEAD D22 ^E	1
1625.19	OIL CAP W/GASKET	1
1804.22	HEX BOLT	8
1805.02	ALLEN BOLT	8
1805.23	ALLEN BOLT M8X40	6
1805.62	ALLEN BOLT M6X20	12
1807.19	PLUNGER BOLT ^A	3
6002.L1	CRANKCASE ASSEMBLY	1
6006.E4	VALVE ASS'Y W/O O-RING ^{C E}	6
6017.01	COMPLETE MANFOLD ASSEMBLY NK D22	1
6020.02	CONNECTING ROD	3
6030.31	LOW PRESSURE SEAL KIT D22 ^{B E}	3
6180.01	CONNECTING ROD ASS'Y COMPLETE	3
6061.10	WATER SEAL KIT (KIT 10)	1
6061.J1	VALVE KIT (KIT 281)	1
6061.Z8	PLUNGER BOLT KIT (KIT 254)	1
6072.19	BRASS RING KIT D22 (KIT 273)	1

^A Parts in 6061.Z8 (Kit 254).

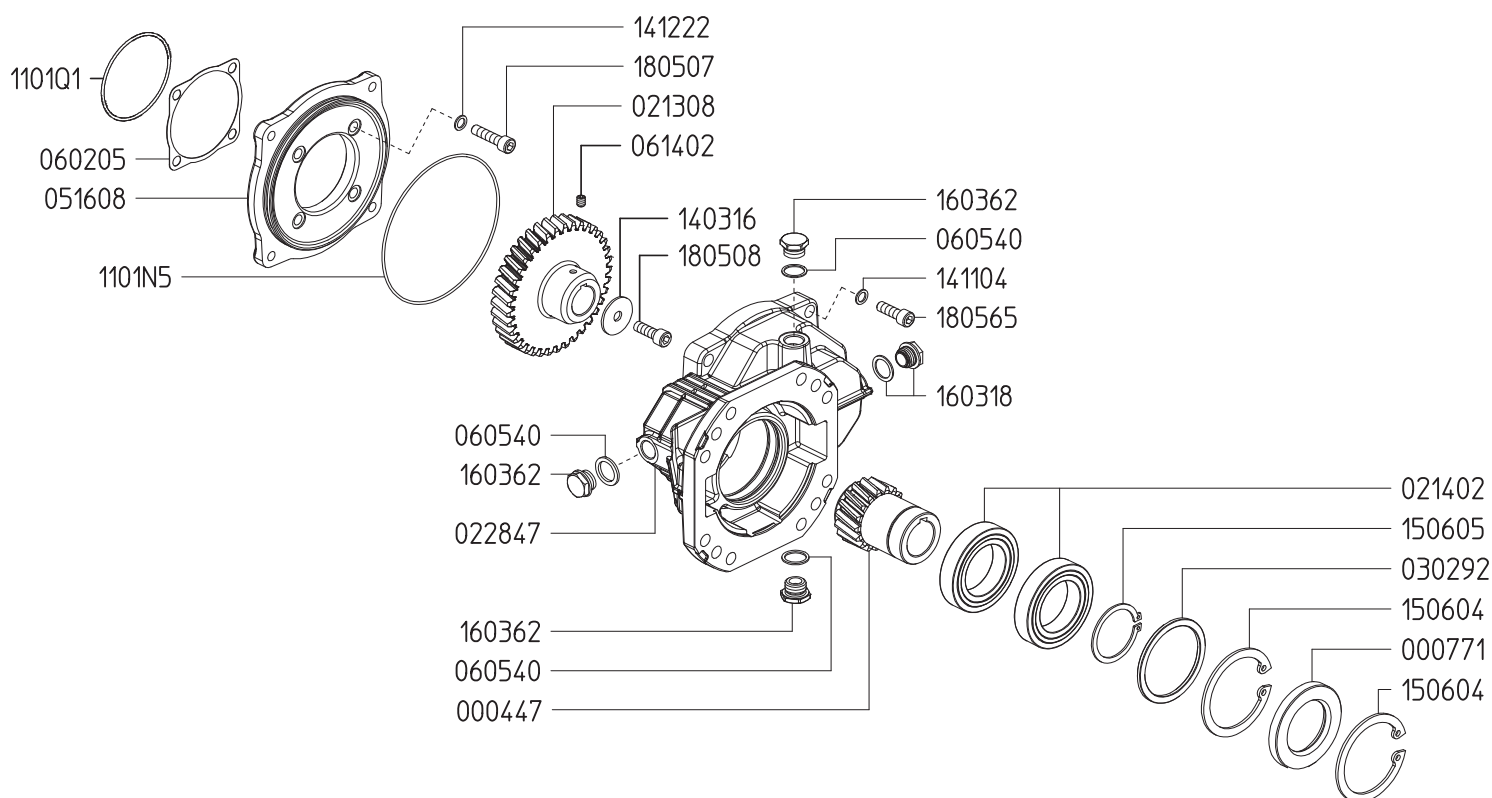
^B Parts in 6061.10 (Kit 10).

^C Parts in 6061.J1 (Kit 281).

^D Parts in 6072.19 (Kit 273).

^E Parts in 6017.01 (Complete Manifold Assembly).

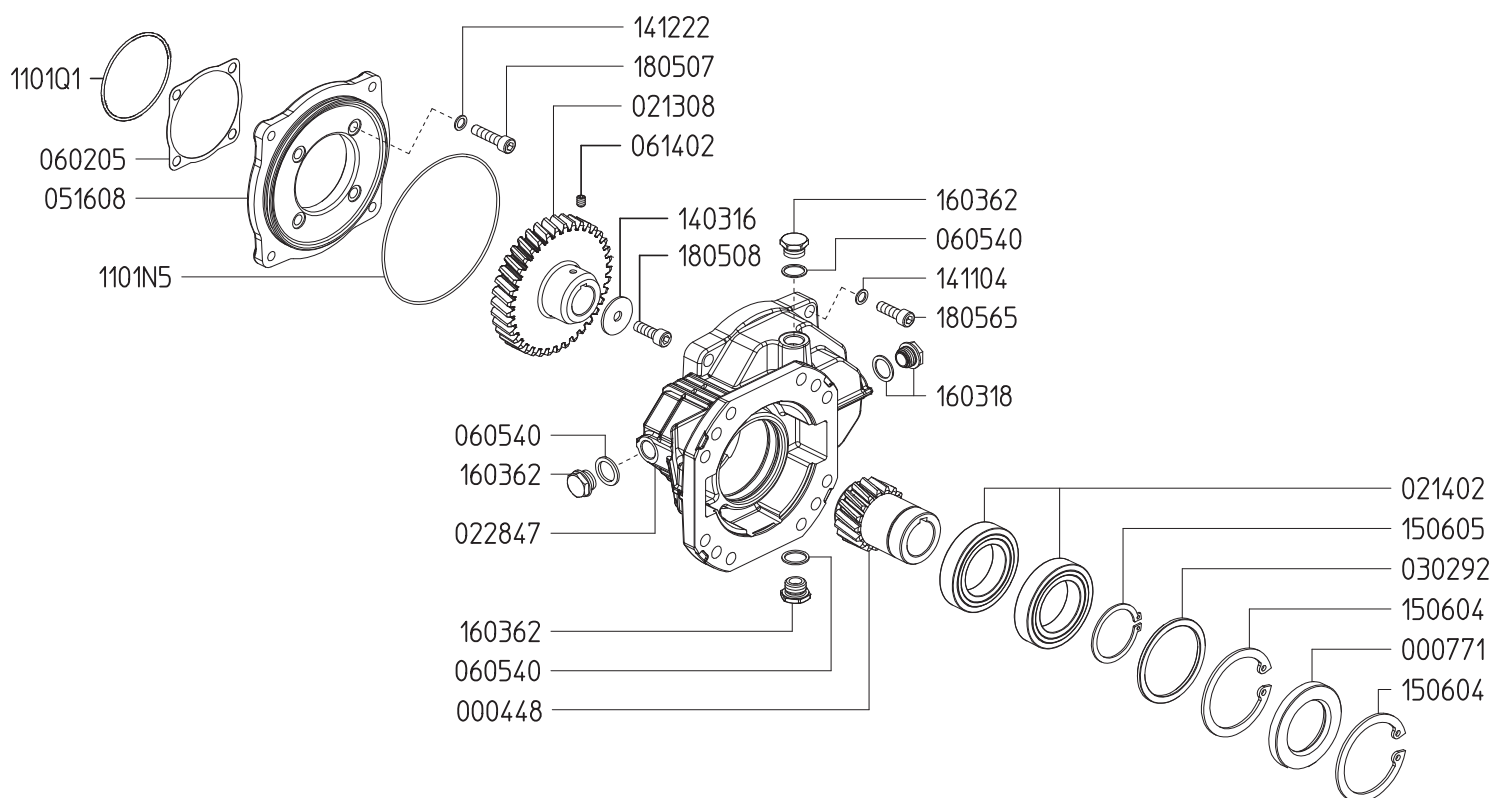
**GAS ENGINE GEAR REDUCTION FOR
 NK-SERIES PLUNGER PUMPS**
on up to 40 HP B/S or HONDA GAS ENGINES with 1-1/8" SHAFTS
REQUIRES 15.2 OZ. ISO VG 220 GEAR LUBE



Revised 9-15-2025

Part #	Description	Qty	Part #	Description	Qty
0004.47	GEAR SHAFT "RC122" 1-1/8"	1	1101.N5	O-RING D158.42X2.62 (RIF.3625)	1
0007.71	OIL SEAL D55	1	1101.Q1	O-RING - MOUNTING FLANGE	1
0213.08	GEAR	1	1411.04	SERRATED WASHER D12	4
0214.02	BALL BEARING D55	2	1412.22	BONDED WASHER D10.7	4
0228.47	COUPLER	1	1506.04	SNAP RING D90	2
0302.92	SPACER	1	1506.05	SNAP RING D55	1
0516.08	FLANGE	1	1603.18	OIL PLUG G1/2 + GASKET	1
0602.05	GASKET	1	1603.62	PLUG G1/2	3
0605.40	GASKET	3	1805.07	ALLEN SCREW M10X40	4
0614.02	SET SCREW M8X10	1	1805.65	ALLEN SCREW M12X40	4

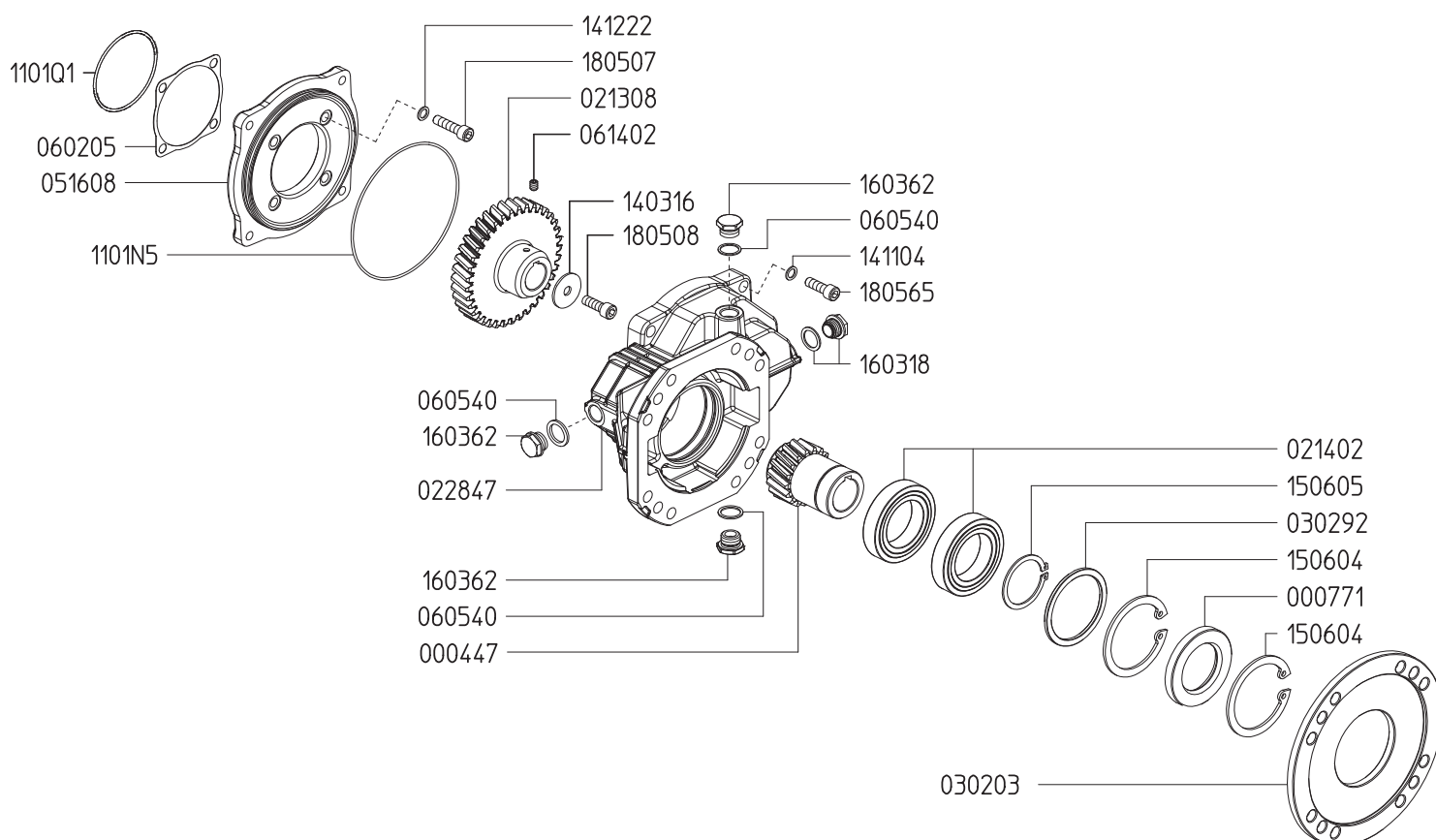
**GAS ENGINE GEAR REDUCTION FOR
NK-SERIES PLUNGER PUMPS**
on up to 40 HP B/S or HONDA GAS ENGINES with 1-7/16" SHAFTS
REQUIRES 15.2 OZ. ISO VG 220 GEAR LUBE



Revised 9-15-2025

Part #	Description	Qty	Part #	Description	Qty
0004.48	GEAR SHAFT "RC122" 1-7/16"	1	1101.N5	O-RING D158.42X2.62 (RIF.3625)	1
0007.71	OIL SEAL D55	1	1101.Q1	O-RING - MOUNTING FLANGE	1
0213.08	GEAR	1	1411.04	SERRATED WASHER D12	4
0214.02	BALL BEARING D55	2	1412.22	BONDED WASHER D10.7	4
0228.47	COUPLER	1	1506.04	SNAP RING D90	2
0302.92	SPACER	1	1506.05	SNAP RING D55	1
0516.08	FLANGE	1	1603.18	OIL PLUG G1/2 + GASKET	1
0602.05	GASKET	1	1603.62	PLUG G1/2	3
0605.40	GASKET	3	1805.07	ALLEN SCREW M10X40	4
0614.02	SET SCREW M8X10	1	1805.65	ALLEN SCREW M12X40	4

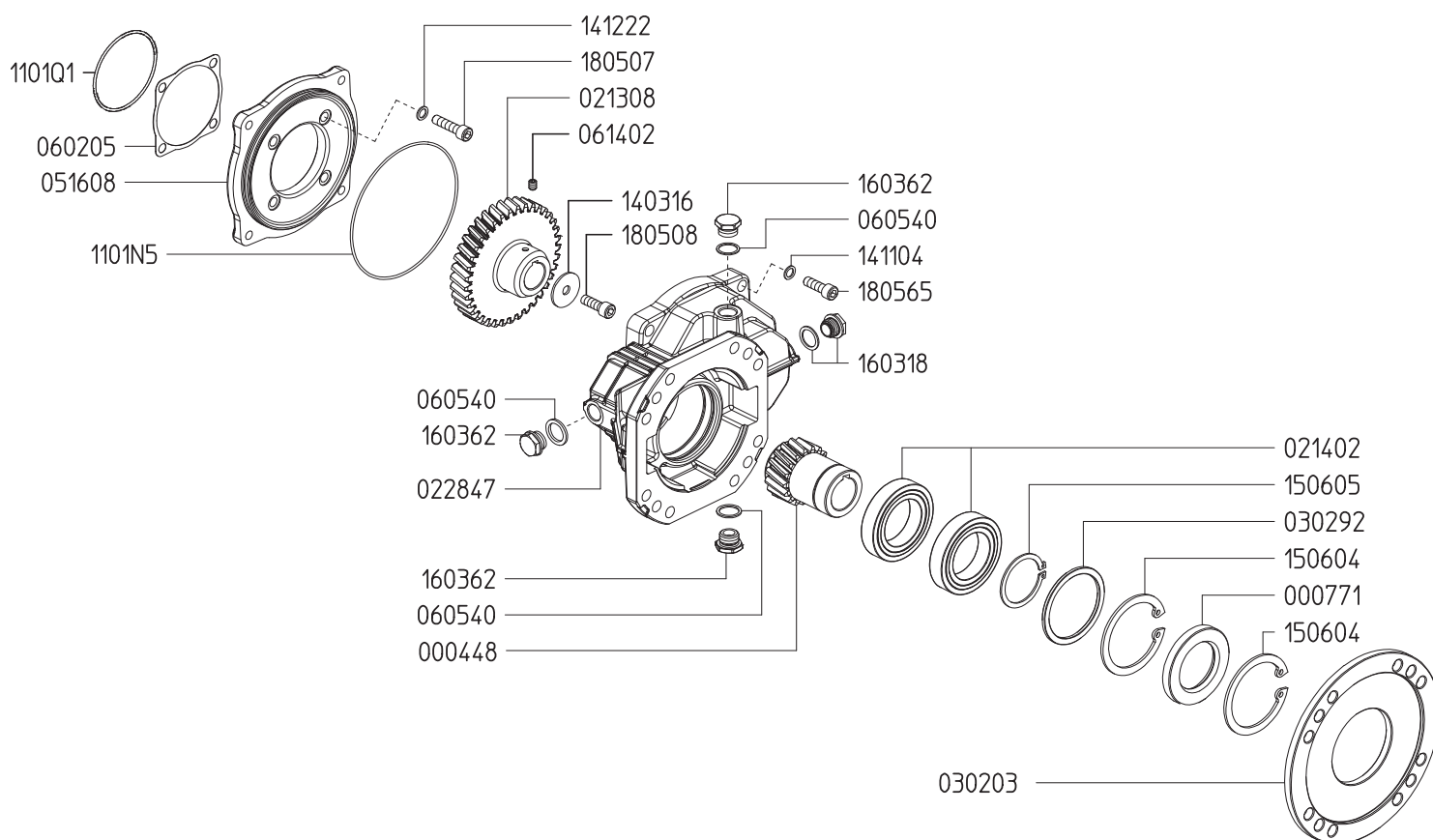
**GAS ENGINE GEAR REDUCTION FOR
 NK-SERIES PLUNGER PUMPS
 on up to 40 HP KOHLER GAS ENGINES with 1-1/8" SHAFTS
 REQUIRES 15.2 OZ. ISO VG 220 GEAR LUBE**



Revised 9-15-2025

Part #	Description	Qty	Part #	Description	Qty
0004.47	GEAR SHAFT "RC122" 1-1/8"	1	1101.N5	O-RING D158.42X2.62 (RIF.3625)	1
0007.71	OIL SEAL D55	1	1101.Q1	O-RING - MOUNTING FLANGE	1
0213.08	GEAR	1	1411.04	SERRATED WASHER D12	4
0214.02	BALL BEARING D55	2	1412.22	BONDED WASHER D10.7	4
0228.47	COUPLER	1	1506.04	SNAP RING D90	2
0302.03	SPACER - KOHLER ENGINE MOUNT	1	1506.05	SNAP RING D55	1
0302.92	SPACER	1	1603.18	OIL PLUG G1/2 + GASKET	1
0516.08	FLANGE	1	1603.62	PLUG G1/2	3
0602.05	GASKET	1	1805.07	ALLEN SCREW M10X40	4
0605.40	GASKET	3	1805.65	ALLEN SCREW M12X40	4
0614.02	SET SCREW M8X10	1			

**GAS ENGINE GEAR REDUCTION FOR
 NK-SERIES PLUNGER PUMPS**
on up to 40 HP KOHLER GAS ENGINES with 1-7/16" SHAFTS
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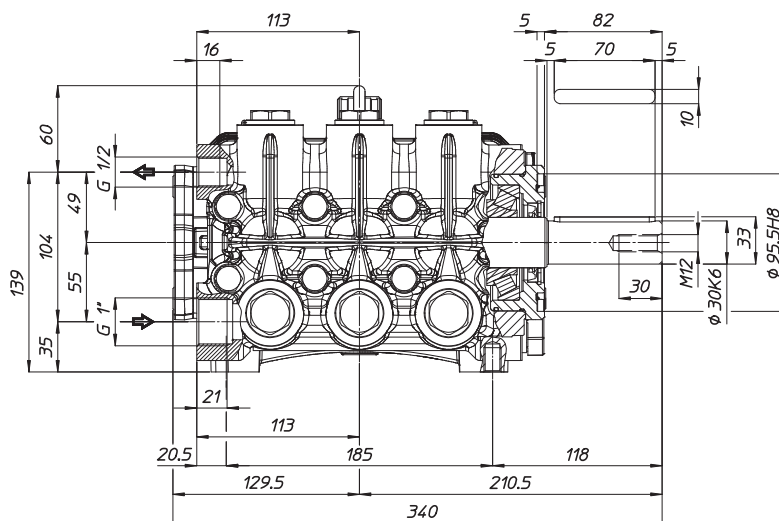
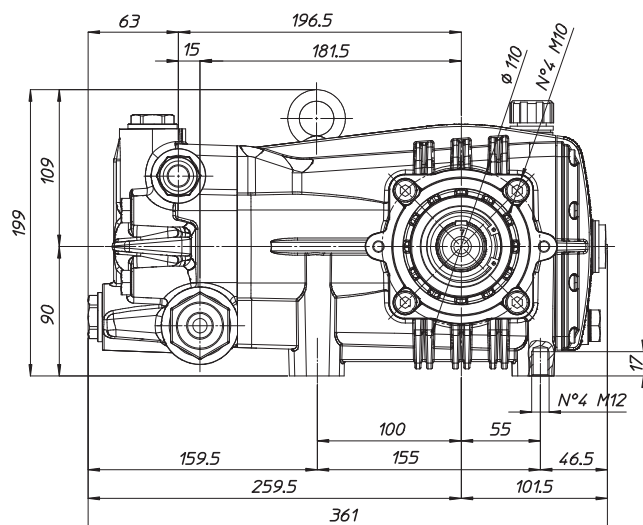


Revised 9-15-2025

Part #	Description	Qty	Part #	Description	Qty
0004.48	GEAR SHAFT "RC122" 1-7/16"	1	1101.N5	O-RING D158.42X2.62 (RIF.3625)	1
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0302.03	SPACER - KOHLER ENGINE MOUNT	1	1506.05	SNAP RING D55	1
0302.92	SPACER	1	1603.18	OIL PLUG G1/2 + GASKET	1
0516.08	FLANGE	1	1603.62	PLUG G1/2	3
0602.05	GASKET	1	1805.07	ALLEN SCREW M10X40	4
0605.40	GASKET	3	1805.65	ALLEN SCREW M12X40	4
0614.02	SET SCREW M8X10	1			

*Dimensional Drawings are
Shown in Millimeters.
To Convert to Inches,
Multiply Dimension x 0.03937*

NK SERIES PUMPS 22mm & 25mm Plungers



TORQUE SPECS

Ref.	Description	Ft./lb.	Nm	Loctite®
1	Head Bolts	37	50	-
2	Valve Caps	88	120	243
3	Inlet Cap	133	180	-
4	Outlet Cap	88	120	243
5	Bearing Flange Bolts	37	50	-
6	Rear Cover Bolts	8	11	-
7	Connecting Rod Bolts	19	25	243
8	Plunger Bolts	22	30	270
9	Valve Cover Bolts	-	-	-
10	Oil Drain Plug	8	11	-

