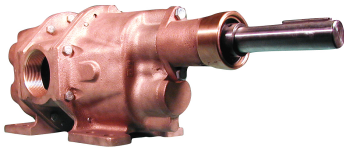


# PEDESTAL BRONZE ROTARY GEAR PUMPS

## GEAR PUMPS SERIES N26HDP

## PERFORMANCE



### FEATURES

- All Bronze Casting and Stainless Steel Shafts
- Sealing Arrangement Interchangeable in Field with Proper Kit
- Outboard Ball Bearing Support for Belt Drive Applications
- Self Lubricating Carbon Bearings

### DRIVE

Direct drive is the recommended drive arrangement. This pump is suitable for belt drive applications without needing pillow block bearings to achieve acceptable pump life. Correct alignment is absolutely essential for satisfactory pump life. Recheck alignment after piping has been connected to the pump.

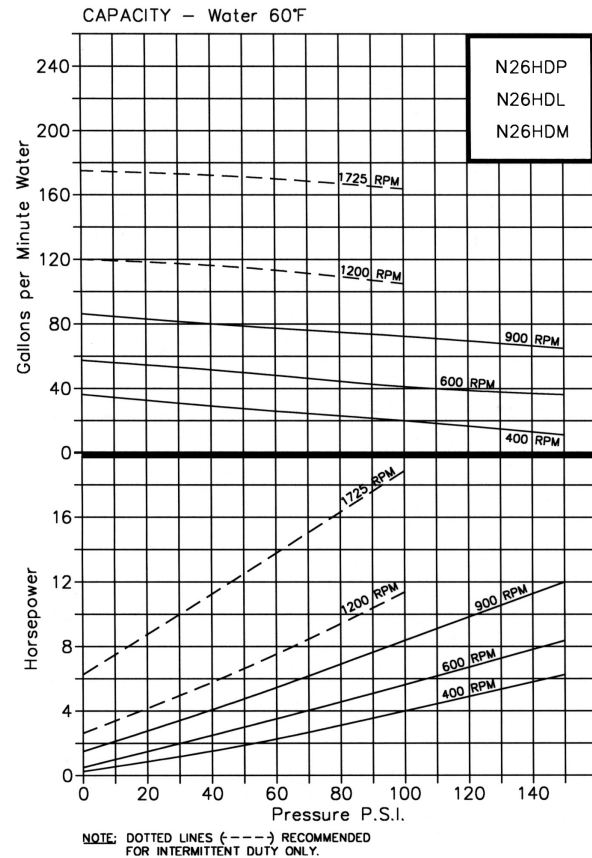
### DRIVE & ALIGNMENT

Either direct drive with flexible coupling or pulley drive can be used. For pulley driven pumps a pillow block bearing must be used at the drive shaft end to absorb the belt forces. The drive shaft is sufficiently long enough to accommodate a pillow block in addition to the pulley. Correct alignment is absolutely essential for satisfactory pump life. Recheck alignment after the piping has been connected to the pump

**NOISE** - Large gear pumps are inherently noisy due to metal to metal gear contact. Make installations far removed from office or other relatively quiet people areas. Some noise reduction can be realized by lowering pump speed and use of isolation mounts and lines, usually the small amount of noise reduction achieved does not justify the effort and expense.

### LIQUIDS AND TEMPERATURE

High temperature accelerates wear. Keep as close to room temperature as possible.

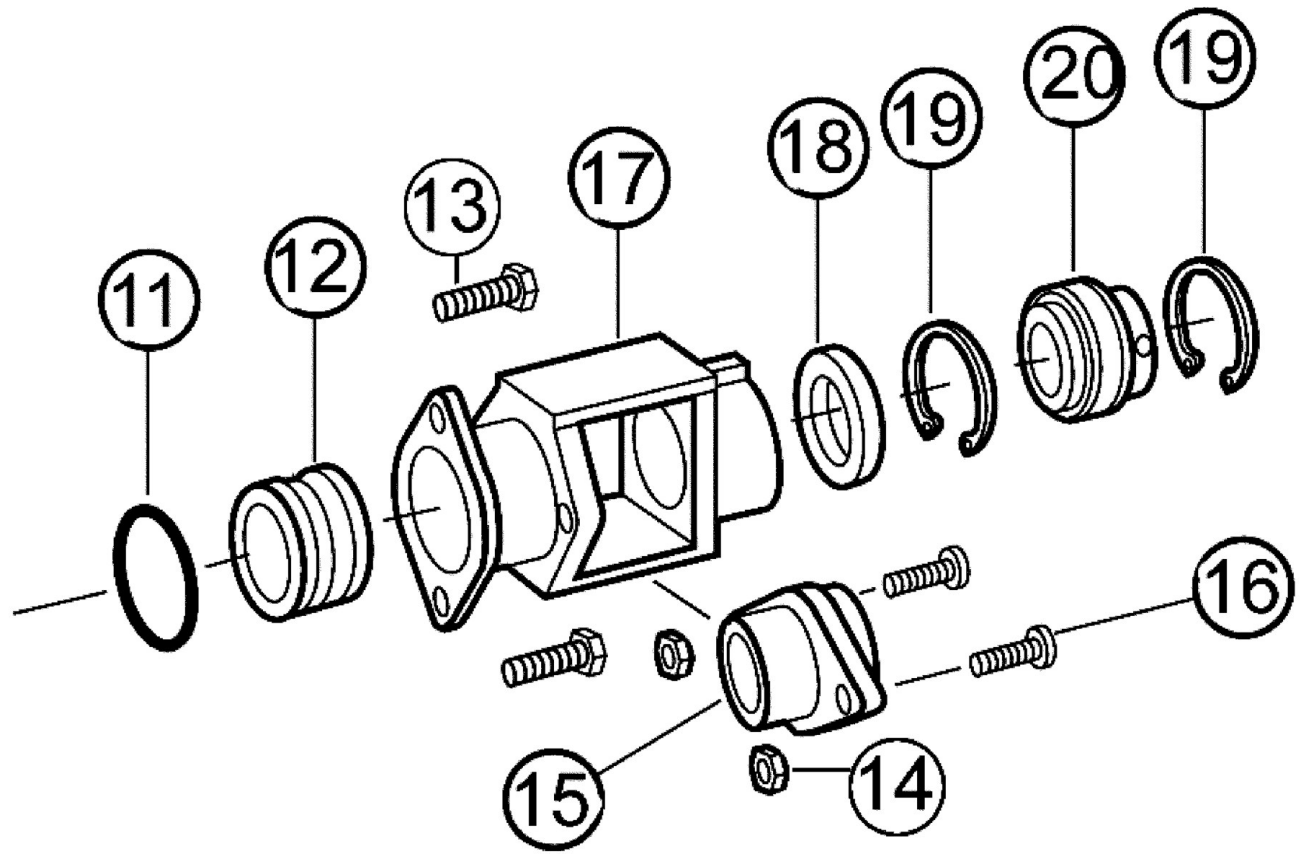
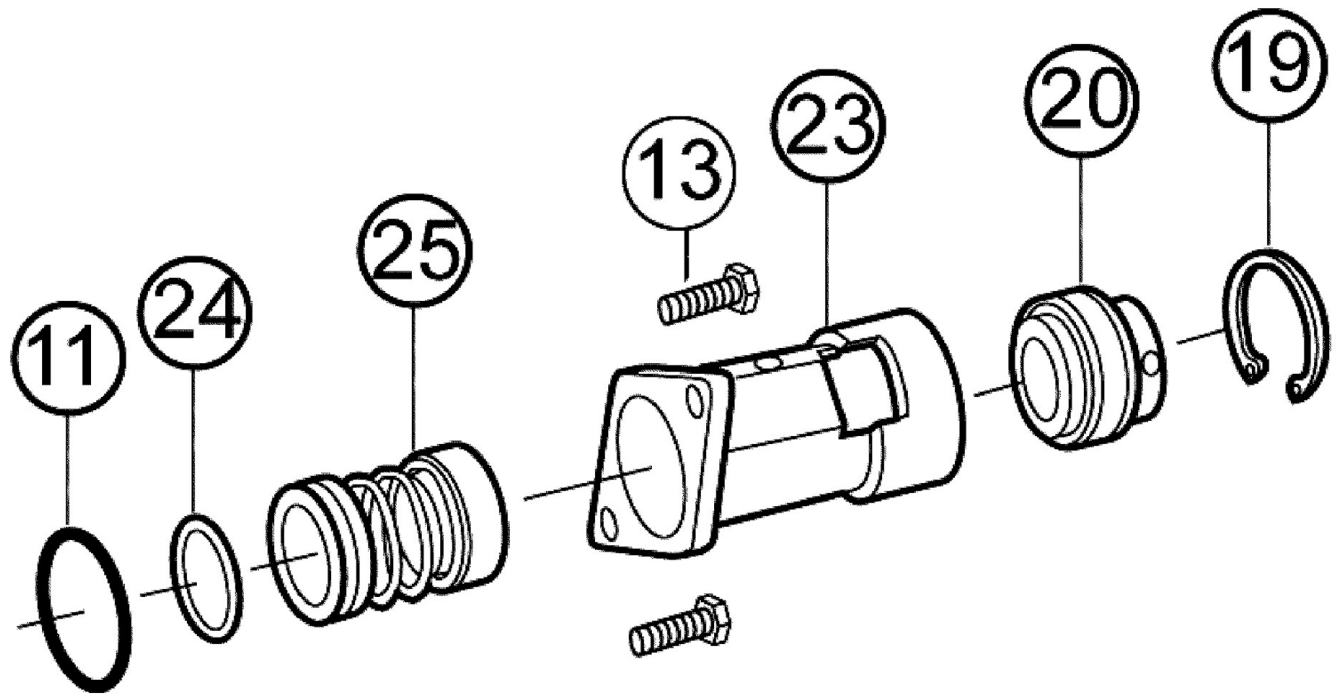


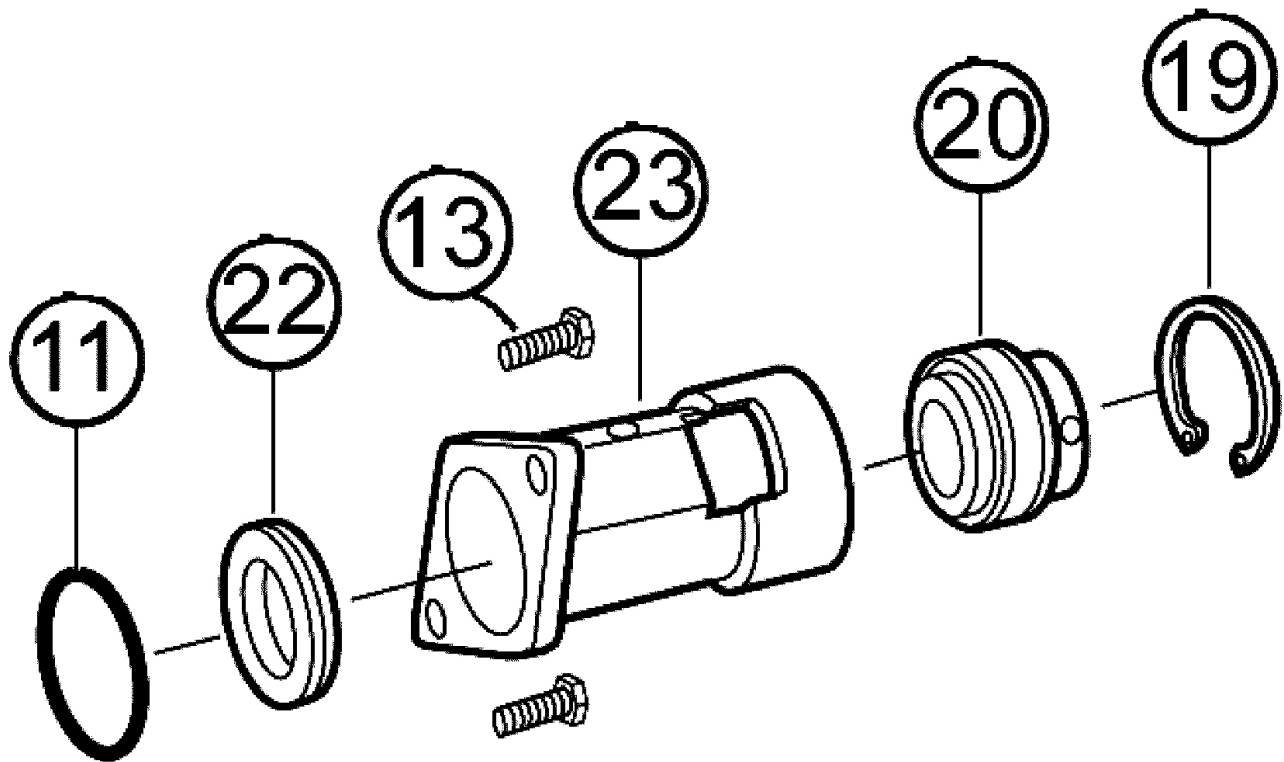
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## **SUCTION LIFT**

A rotary gear pump is capable of lifting water on the suction side as high as 20 feet. Though gear pumps are self-priming, a foot valve is recommended. For pumping water directly from streams or ponds, a wire mesh strainer must be used at the beginning of the suction line to prevent stones from entering the pump. Strainer and foot valve are commercially available as combination units.

EXPLODED VIEW AND PARTS LIST



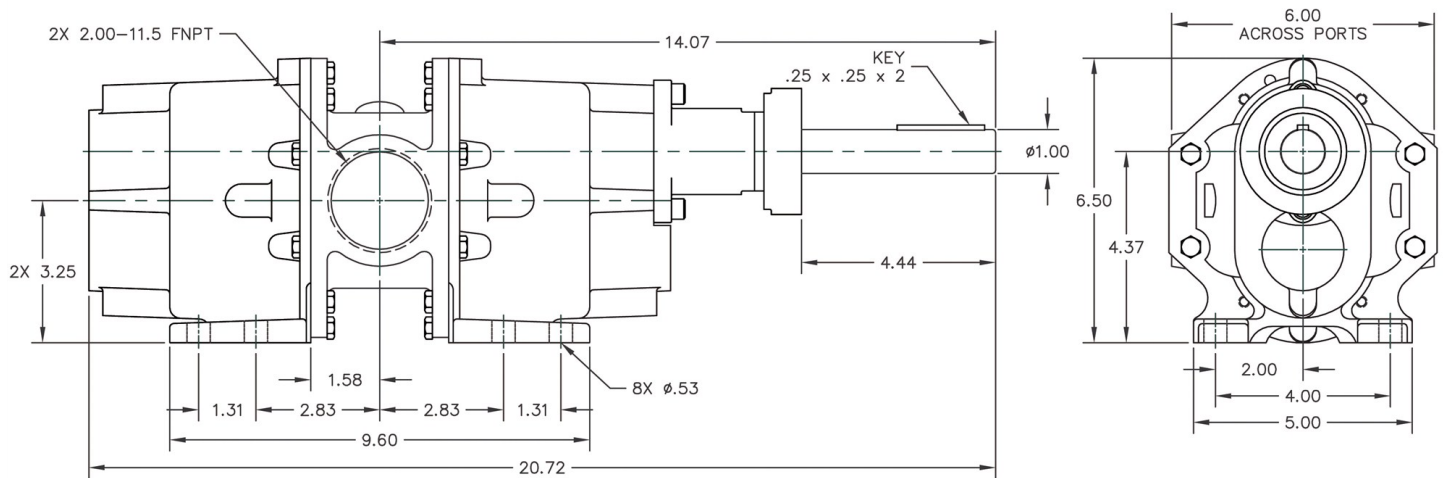


	1	2	3*	4*	5*	6A*	6B*	7*	8*	9	10	11*	12*	13
	Body Rear	Screw	Snap Ring	O-Ring	Bearing	Drive Gear	Idle Gear	Idle Shaft	Drive Shaft	Dowel Pin	Body Front	O-Ring	Packing Ring	Screw
Model	Qty. 1	Qty. 20	Qty. 6	Qty. 2	Qty. 8	Qty. 2	Qty. 2	Qty. 2	Qty. 1	Qty. 4	Qty. 1	Qty. 1	Qty. 4	Qty. 2
N26HDP	5220PN5N	5694	7651	9797-158	5108	9854	9855	7653	7571	8597	5220PN7N	6515	7624	5916
N26HDP-1	5220PN5N	5694	7651	9797-158	5108	9854	9855	7653	7571	8597	5220PN7N	6515	7450	5916
N26HDL	5220PN5N	5694	7651	9797-158	5108	9854	9855	7653	7571	8597	5220PN7N	9797-224	----	6827
N26HDLS03	5220PN5N	5694	7651	9797-158	5108	9854	9855	7653	7571	8597	5220PN7N	6515	----	6827
N26HDM	5220PN5N	5694	7651	9797-158	5108	9854	9855	7653	7571	8597	5220PN7N	6515	----	6827
N26HDMS07	5220PN5N	5694	7651	9797-158	5108	9854	9855	7653	7571	8597	5220PN7N	9797-224	----	6827

	14	15	16	17	18*	19	20	21*	22*	23	24	25*	26	Repair Kit
	Nut	Gland	Screw	Seal Housing	Seal	Ring	Ball Bearing	Key	Lip Seal	Seal Housing	Ring	Seal Asbly	Tie Block	
Model	Qty. 1	Qty. 1	Qty. 2	Qty. 1	Qty. 1	Qty. 2 (P), 1 (L&M)	Qty. 1	Qty. 5	Qty. 1	Qty. 1	Qty. 1	Qty. 1	Qty.	
N26HDP	5597	7451	9905	7449	6710	7372	7368	5957	----	----	----	----	2286	11015
N26HDP-1	5597	7451	9905	7449	6710	7372	7368	5957	----	----	----	----	2286	11016
N26HDL	----	----	----	----	----	7372	7368	5957	7262	7365	----	----	2286	11017
N26HDLS03	----	----	----	----	----	7372	7368	5957	6500	7365	----	----	2286	11018
N26HDM	----	----	----	----	----	7372	7368	5957	----	7365	7651	32315	2286	11019
N26HDMS07	----	----	----	----	----	7372	7368	5957	----	7365	7651	32372	2286	11020

\* Repair kit contains these items.

## DIMENSIONS



## SEAL CONVERSION KITS

Seal conversion kits illustrated (on back) are designed for quick removal and replacement. In each case, seal housings are fastened to pump bodies by means of 2 bolts, item 13.

**IMPORTANT:** Before attempting to remove a seal housing containing seal components by sliding them off the pump shaft, be sure to unlock 2 set screws locking the ball bearing inner race to the pump shaft. The ball bearing is identified as item 20. Also, before attempting to slide the seal housing from the pump shaft, remove all burrs, scale, and projections that could be formed by fretting corrosion.

## SERVICE WEAR FACTORS:

**SPEED** - High speed accelerates wear. For longer service life keep speed as low as possible. Pump speeds above 900 RPM not recommended except for intermittent duty and pressures below 100 psi.

**PRESSURE** - High pressure accelerates wear. For longer service life keep pressure as low as possible.

**LIQUID CONTAMINATION**- Impurities like fine abrasive silt or sand accelerate wear. Keep liquid as clean as possible.

**LIQUID LUBRICITY**- Lubricants increase service life many fold. Use lubricant additives whenever possible.