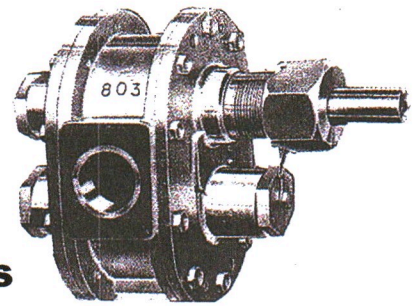




" 9100 " Series

BUSHING TYPE

Parts List and Dimensions



1- 1/4-INCH BUSHING TYPE PUMP

PART NUMBER	DESCRIPTION		PART NUMBER	DESCRIPTION
9100	Bronze Bowie Pump w/Hy Car Rubber Gears and Stainless Steel Shafts		9100/8	Bronze Bowie Pump w/Hy Car Gears and Stainless Steel Shafts and Bypass

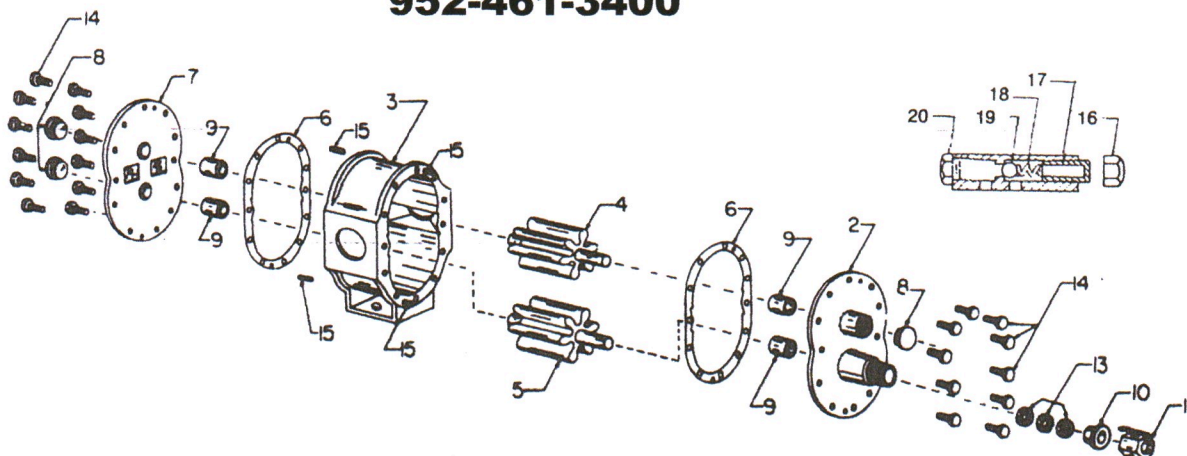
Available options: extended drive shaft

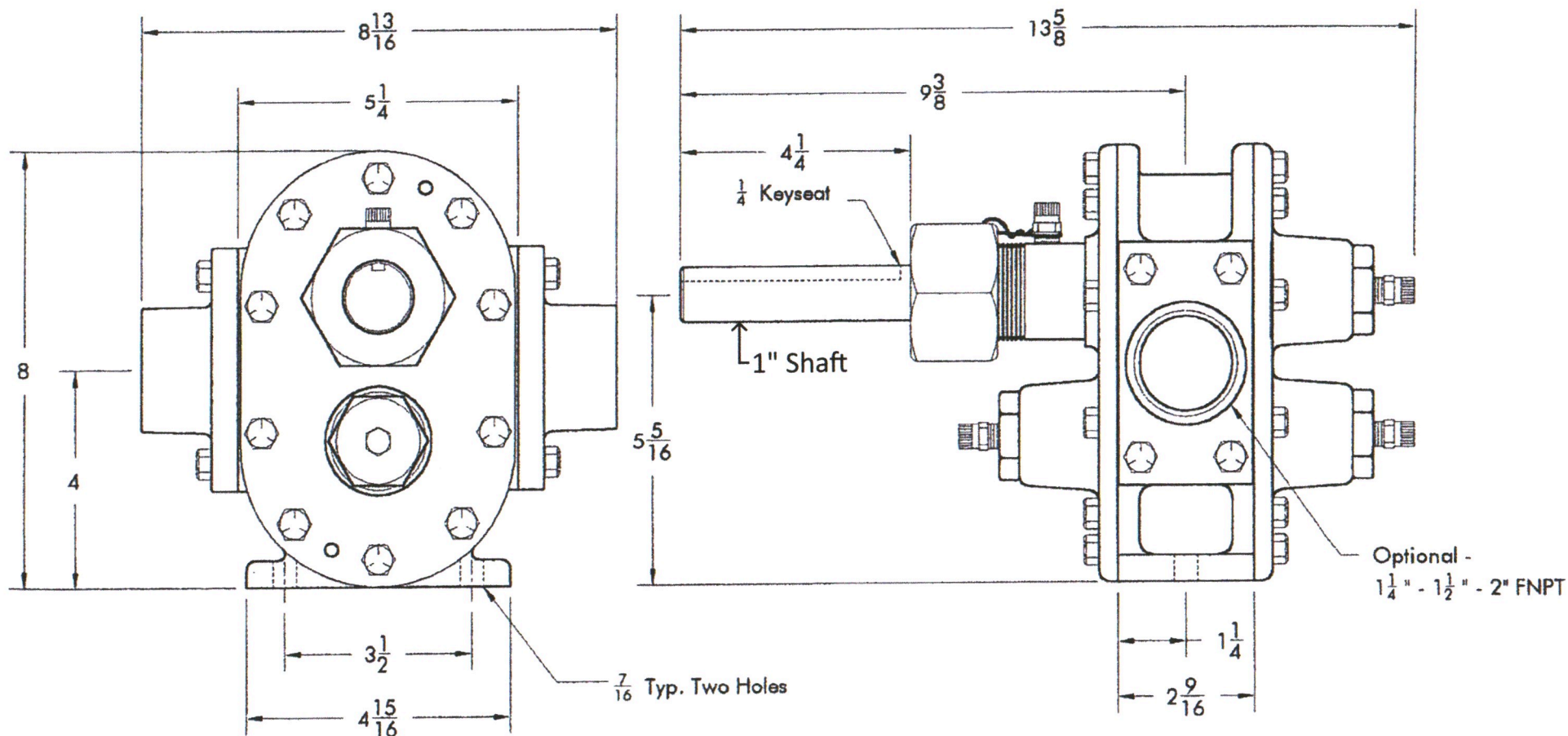
PARTS

REF NO	PART NUMBER	DESCRIPTION	NO REQ		REF NO	PART NUMBER	DESCRIPTION	NO REQ
1	9101	Packing Nut	1		8	108	End Plugs	3
2	9102	Front Plate	1		9	109B	Bronze Bushings	4
3	9103	Center Case	1		9	109T	Glass Filled Teflon Bushing	4
4	104	Gear (Hy Car) with Stainless Steel Idler Shaft	1		10	110	Packing Gland Insert	1
4	104B	Gear (Brass) With Stainless Steel Idler Shaft	1		13	113	Graphite Asbestos Packing	3
4	104SSA	Stainless Steel Idler Shaft Only	1		13	113T	Teflon Packing	3
5	105	Gear (Hy Car) With Stainless Steel Drive Shaft	1		14	114	End Plate Bolts	20
5	105B	Gear (Brass) With Stainless Steel Drive Shaft	1		15	115	Taper Pins	4
5	105SSA	Stainless Steel Drive Shaft Only	1		16	116	Nut	1
6	106	Pump Gaskets	7		17	123	Adjusting Bypass Screw	1
7	9107	Back Plate	1		18	124	Bypass Spring	1
7	9107A	Bypass Back Plate Complete			19	125	Bypass Ball	1
					20	126	Bypass Cap	1

NOTE: Four digit part numbers beginning with #9 denotes parts for 91 series Pump only.
 Four digit part numbers beginning with #8 denotes parts for 81 series Pump only.
 Three digit part numbers represent parts that are interchangeable between the 81 & 91 series pumps.

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BOWIE
INDUSTRIES, INC

Tolerances (except as noted)

Decimal .XXX $\pm .005$ Fractional $\pm 1/16$
 .XX $\pm .01$
 Concentricity .001 Angular 1°

8100/9100 Series Upper Drive

Size	Part No.	Rev.
A	9100 SS	0
Date	Material	Scale
10/28/99		1:3
		Sheet 1

SERIES 8100 • 9100 SIZE: 1¼"-1½"

BOWIE PUMP RATINGS FOR 1¼" PUMP SIZES FLUID KEROSENE/H₂O

Pump RPM	Temperature of Fluid °F	Discharge Pressure	Capacity GPM	Brake Horsepower
520	93.5	0	32.6	1.15
520	93.5	20	31.8	1.75
520	93.5	40	31.3	2.00
520	93.5	60	30.5	2.90
520	93.5	80	30.6	3.54
520	101.5	100	29.7	4.19
780	101.5	0	48.0	2.12
780	101.5	20	46.9	2.93
780	101.5	40	46.5	3.76
780	108.0	60	46.2	4.98
780	108.0	80	46.2	6.13
780	120.0	100	45.3	6.87

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