Use With: OM−03989
MR−03991

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GORMAN-RUPP PUMPS

PUMP MODEL RD2A31−BAR

MANUAL PART 2 of 3

PARTS LIST
WITH PERFORMANCE CURVE

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Register your new
Gorman-Rupp pump online at
www.grpumps.com

Valid serial number and e-mail address required.

RECORD YOUR PUMP MODEL AND SERIAL NUMBER

Please record your pump model and serial number in the spaces provided below. Your Gorman-Rupp distributor needs this information when you require parts or service.

Pump Model: _____

Serial Number: _____

PERFORMANCE CURVE – SECTION A

RECORDING MODEL AND SERIAL NUMBERS

Please record the pump model and serial number in the spaces provided below and in the separate Installation/Operation Manual accompanying your pump. Your Gorman-Rupp distributor needs this information when you require parts or service.

Pump Model: _____

Serial Number: _____

WARRANTY INFORMATION

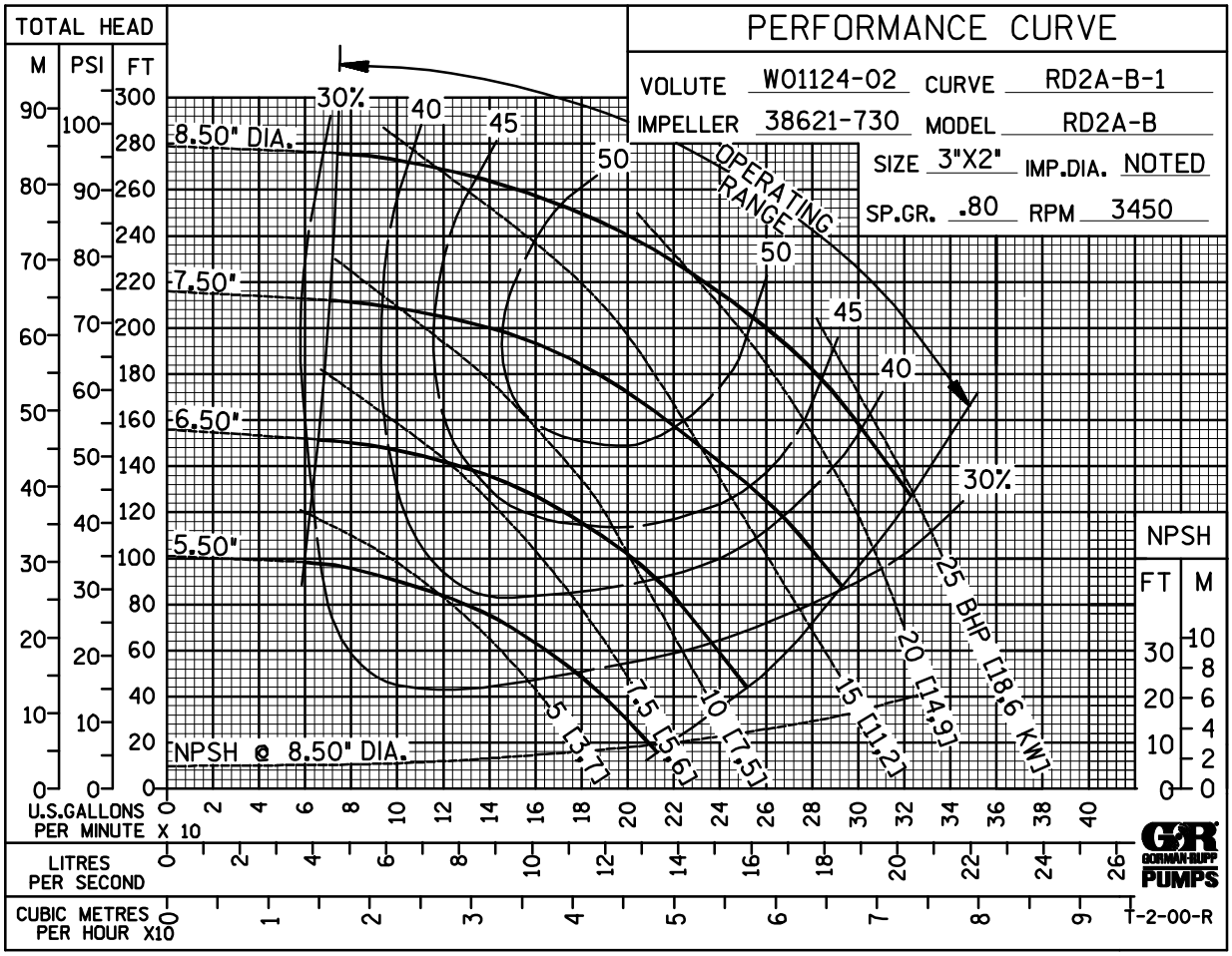
The pump warranty is provided as part of Gorman-Rupp's support program for customers who operate and maintain their equipment as described in this manual and other accompanying literature. Please note that should the equipment be abused or modified to change its performance beyond the original factory specifications, the warranty will become void and any claim will be denied. For warranty information, please visit www.grpumps.com/warranty.

PERFORMANCE CURVE

The performance curve on the following page is based on 70°F (21°C) clear water at sea level, corrected to 0.80 specific gravity, with minimum suction lift. Since pump installations are seldom identical, your performance may be different due to such factors as viscosity, specific gravity, elevation, temperature, and impeller trim.

If your pump serial number is followed by an "N", your pump is **NOT** a standard production model. Contact the Gorman-Rupp Company to verify performance or part numbers.

Pump speed and operating condition points must be within the continuous performance range shown on the curve(s).



Performance Curve — Model RD2A31–BAR

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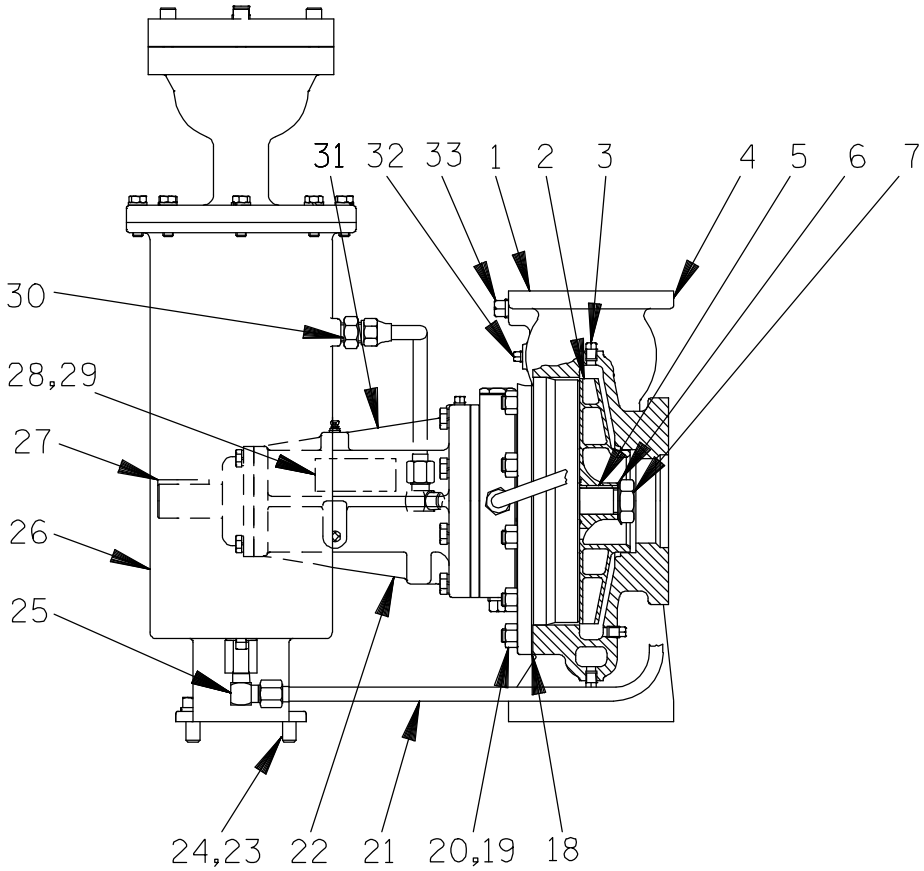

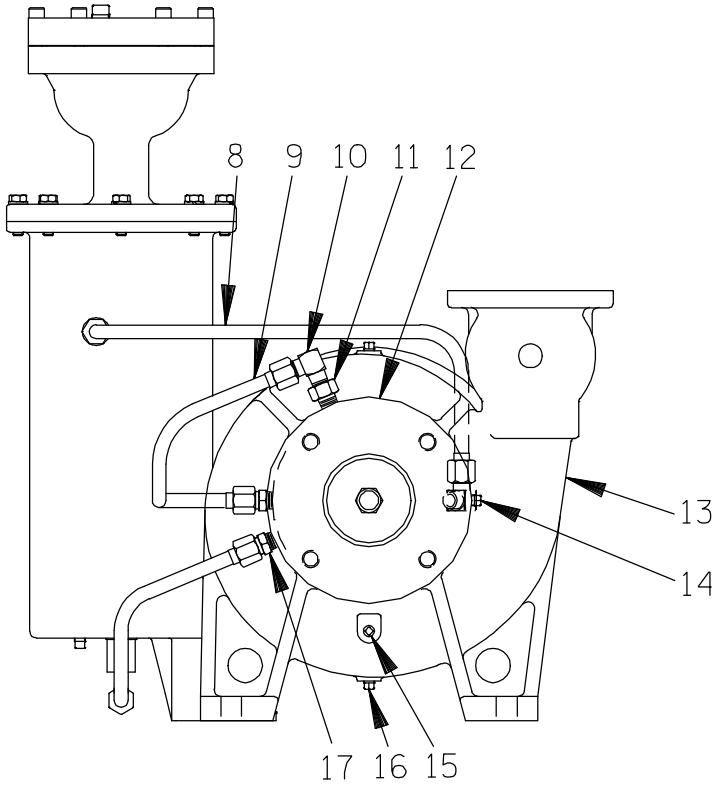

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PARTS LIST
Pump Model RD2A31−BAR

If your pump serial number is followed by an “N”, your pump is **NOT** a standard production model. Contact the Gorman-Rupp Company to verify part numbers.

ITEM NO.		PART NAME	PART NUMBER	QTY
☞ 1		PUMP CASING	SEE NOTE BELOW	1
† 2	✳	IMPELLER	38621−730 13048	1
☞ 3		PIPE PLUG	P02 15079	1
4		DISCHARGE STICKER	6588BJ	1
5	✳	IMPELLER KEY	K79328−23 15990	1
6		LOCKWASHER	23962−506	1
7		IMPELLER NUT	K75775 15111	1
8		DISCH TUBE ASSY	46335−057	1
9		SUCT TUBE ASSY	46335−072	1
10		MALE ELBOW	25812−011	1
11		STRAINER	26841−094	1
12		SUCTION STICKER	6588AG	1
13		G-R DECAL	GR−03	1
☞14		PIPE PLUG	P02 15079	1
☞15		PIPE PLUG	P02 15079	1
☞16		PIPE PLUG	P02 15079	1
17		CONNECTOR	25812−214	1
18	✳	PUMP CASING GASKET	R12531 19060	1
☞19		STUD	15991	12
20		HEX NUT	D08 15991	12
21		RETURN TUBE	46335−083	1
22		BRG HOUSING ASSY	44143−101	1
23		HEX HD CAPSCREW	B0805 15991	2
24		LOCKWASHER	J08 15991	2
25		MALE ELBOW	25812−011	1
26	●	AIR RELEASE VALVE	GRP33−08A	1
27	✳	SHAFT KEY	N0406 15990	1
28		NAME PLATE	2613DZ 13990	1
29		DRIVE SCREW	BM#04−03 17000	2
30		CONNECTOR	25812−214	1
31		LUBE DECAL	38816−081	1
☞32		PIPE PLUG	P02 15079	1
☞33		PIPE PLUG	P06 15079	1
NOT SHOWN:				
		DISCH CHK VALVE GSKT	11589GA 19060	1
		DISCH FLANGE GASKET	N14226 19060	1
		INSTRUCTION TAG	38817−011	1
		ROTATION DECAL	2613M	1
OPTIONAL:				
		COMPANION FLANGE KIT (SUCT AND DISCH)	K33849	1
		STEEL TUBING KIT	48263−502	1

✳ INDICATES PARTS RECOMMENDED FOR STOCK

† ALL ROTO-PRIME™ IMPELLERS ARE TRIMMED.

● SEE ACCOMPANYING LITERATURE FOR INDIVIDUAL PARTS, MAINTENANCE AND REPAIR.

☞ INCLUDED WITH REPAIR PUMP CASING ASSY	46474−339	1

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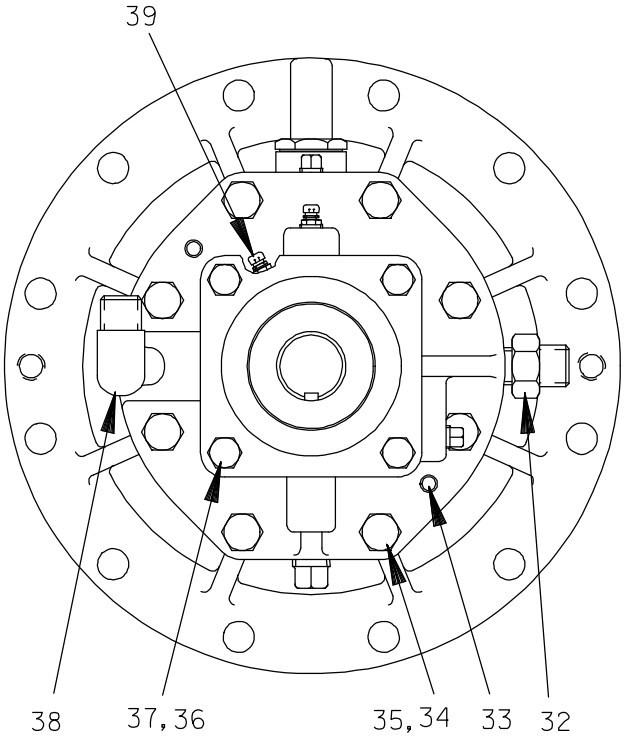

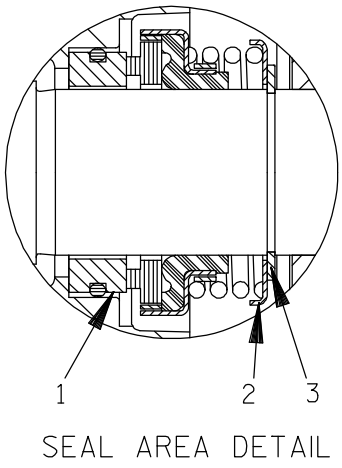

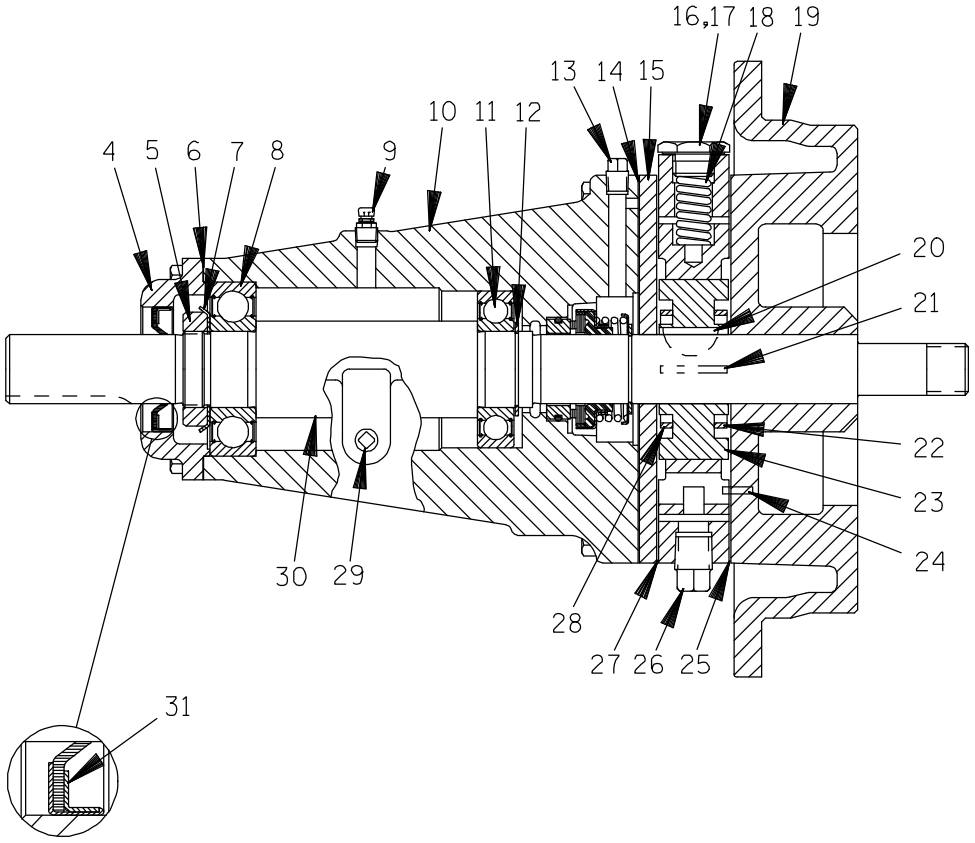

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PARTS LIST
44143−101 Bearing Housing Assembly

ITEM NO.		PART NAME	PART NUMBER	QTY
1	✳	SEAL ASSEMBLY	25271−192	1
2	✳	SPRING CTR WASHER	25273−266	1
3		SEAL RETAINING RING	S700	1
4		BEARING CAP	N14130 10010	1
5		BEARING LOCK NUT	S301	1
6	✳	BEARING CAP GASKET	K74033 19060	1
7		TAB WASHER	S302	1
8	✳	OUTBOARD BEARING	23282−008	1
9		AIR VENT	S2162	1
10		BEARING HOUSING	T02990 11010	1
11	✳	BALL BEARING	23257−012	1
12		BEARING RET RING	S248	1
13		PIPE PLUG	P02 15079	1
14	✳	SPACER PLATE GASKET	N14144 19060	1
15		SPACER PLATE	N14129 11010	1
16		PRESS REG SPRING CAP	K68064 15991	1
17	✳	SPRING CAP GASKET	K86067	1
18	✳	PRESS REG SPRING	K76301	1
19		BODY COVER	T07826−02 11010	1
20	✳	ROTOR WOODRUFF KEY	K61559 15990	1
21	✳	ROTOR BLADE	K79300−20	6
22		ROTOR BLADE SPACER	K74031 15030	1
23		GROUP GRIND	42212−013	1
24	✳	LOCATING PIN	21154−666	1
†25	✳	CENTER PLATE GASKET	N14145 19210	2
26		PIPE PLUG	P06 15079	1
27	✳	CENTER PLATE GASKET	N14145 19210	1
28		BLADE SPACER	K74031 15030	1
29		PIPE PLUG	P02 15079	1
30	✳	IMPELLER SHAFT	T07888 15010	1
31	✳	OIL SEAL	25227−230	1
32		CONNECTOR	25812−214	1
33		DOWEL PIN	21133−073	2
34		HEX HD CAPSCREW	B0612 15991	8
35		LOCKWASHER	J06 15991	8
36		HEX HD CAPSCREW	B0504 15991	4
37		LOCKWASHER	J05 15991	4
38		MALE ELBOW	25812−011	1
39		AIR VENT	S2162	1
OPTIONAL:				
		SST IMPELLER SHAFT	T07888 17080	1
	●	OIL LUBE BEARING HOUSING ASSEMBLY	44143−109	1
		−INBOARD BEARING	S310	1
		−OUTBOARD BEARING	23275−008	1
		−OIL CUP	26713−051	1
		GROUP GRIND WITH C.I. ROTOR −C.I. GROUP GRIND	LK05266	1
		TEFLON SEAL	25271−743	1

✳ INDICATES PARTS RECOMMENDED FOR STOCK

† 2 GASKETS REQUIRED ON ONE FACE ONLY WHEN ROTOR OR SLIDE IS THICKER THAN CENTER PLATE.

● ALL OTHER COMPONENTS SAME AS STANDARD BEARING HOUSING ASSEMBLY.

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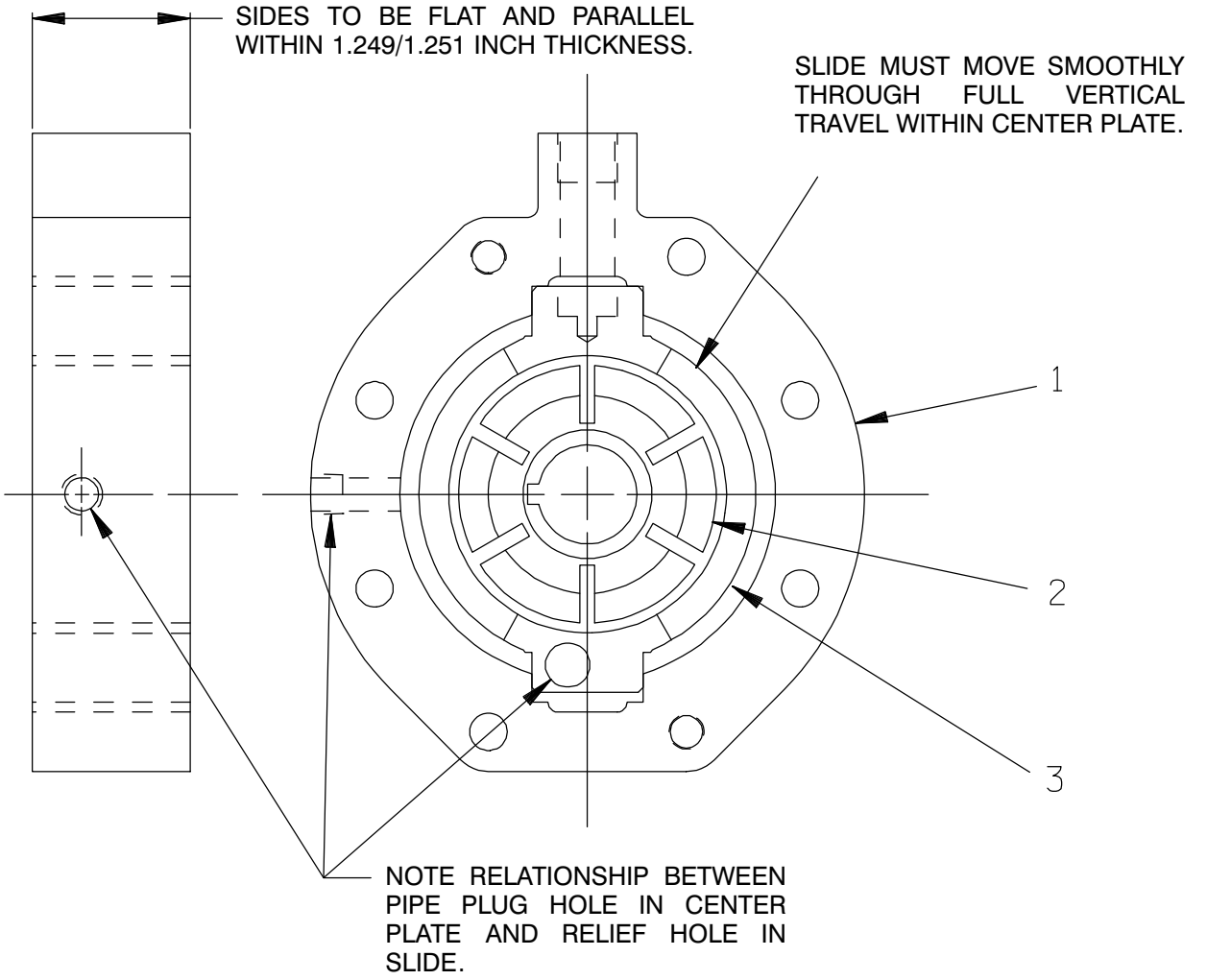

PARTS LIST
42212—013 Group Grind

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	CENTER PLATE	NOT AVAILABLE	–––	1
2	ROTOR	NOT AVAILABLE	–––	1
3	SLIDE	NOT AVAILABLE	–––	1

NOTE: THE GROUP GRIND MUST BE REPLACED AS A COMPLETE UNIT: INDIVIDUAL PIECE PARTS ARE NOT SOLD SEPARATELY.

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For Warranty Information, Please Visit
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or call:
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Canada: 519—631—2870
International: +1—419—755—1352