

# Watts Power/Cold Force in Pounds at 100% Voltage/Inches Stroke

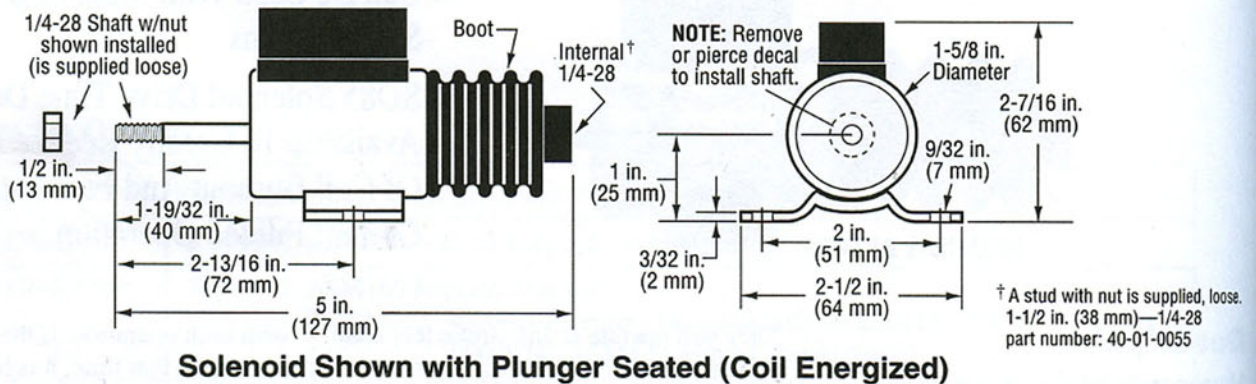
Solenoid Model Number	Maximum Stroke In. (mm)	Power in Watts		Force* in Pounds [Kilograms] at 100% Voltage**							
		Seated	Inrush	Continuous Hold	Stroke in Inches (Millimeters)						
					1/8 (3)	1/4 (6)	1/2 (13)	3/4 (19)	1 (25)	1-1/4 (32)	1-1/2 (38)
RP2307B	1 (25)	18	624	25 [11.34] <13> [5.90]	22 [9.98] <12> [5.44]	21 [9.53] <11> [4.99]	17 [7.71] <10> [4.54]	14 [6.35] <8> [3.63]	10 [4.54] <6> [2.72]	—	—
RP2308B	1 (25)	12	696	27 [12.25] <15> [6.80]	25 [11.34] <14> [6.35]	23 [10.43] <13> [5.90]	19 [8.62] <12> [5.44]	15 [6.80] <9> [4.08]	11 [4.99] <7> [3.18]	—	—
RP2309B	1-1/2 (38)	18	1029	32 [14.52] <19> [8.62]	30 [13.61] <18> [8.16]	27 [12.25] <16> [7.26]	22 [9.98] <14> [6.35]	18 [8.16] <11> [4.99]	13 [5.90] <9> [4.08]	8 [3.63] <6> [2.72]	6 [2.72] <4> [1.81]
RP2310B	1-1/2 (38)	12	960	35 [15.88] <20> [9.07]	34 [15.42] <19> [8.62]	31 [14.06] <17> [7.71]	26 [11.79] <15> [6.80]	22 [9.98] <12> [5.44]	17 [7.71] <9> [4.08]	12 [5.44] <7> [3.18]	7 [3.18] <4> [1.81]

\*Forces shown are without return spring. Forces shown < > are with return spring. Forces shown in [ ] are in kilograms.

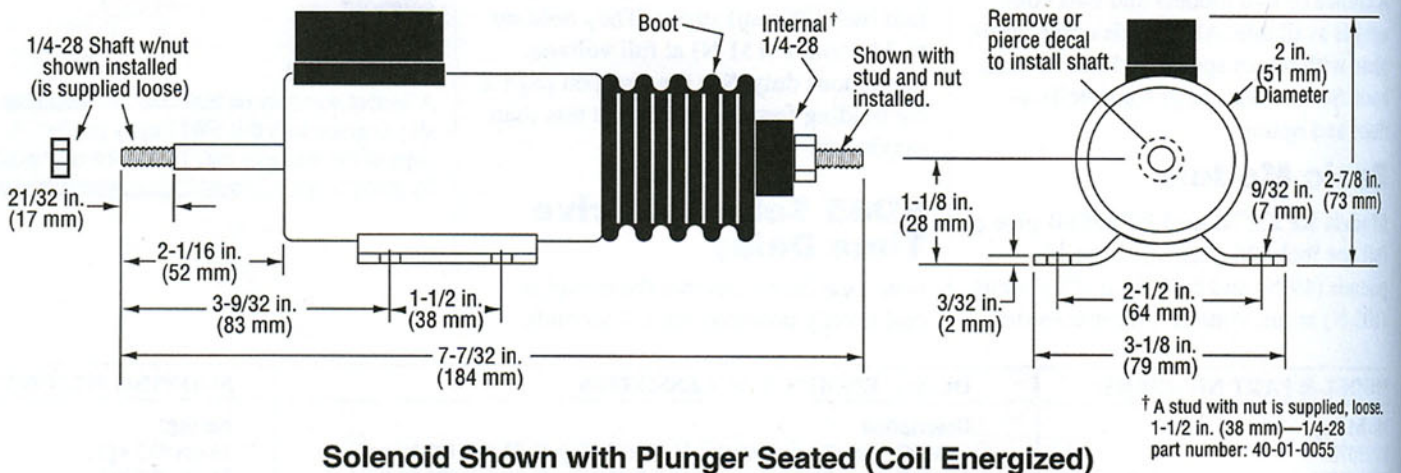
\*\*To determine the operating current, divide the power (watts) indicated in the above table by the applied voltage. Solenoids will operate at any stroke less than maximum.

## Solenoid Dimensions

### RP2307B and RP2308B



### RP2309B and RP2310B



**Note 1.** *Typical* operating temperature for single 15 second operation of the energize coil is less than:  
 140°F(60°C) ± 10°F (6°C) for 1 in. (25 mm) Stroke Solenoids (70°F/21°C Rise above ambient)  
 120°F(49°C) ± 10°F (6°C) 1-1/2 in. (38 mm) Stroke Solenoids (50°F/10°C Rise above ambient)  
 See **CAUTION** statement on next page and note maximum housing temperature is 185°F (85°C).

**Note 2.** The energize-coil should not be activated for more than 15 seconds. Longer energize-coil activation times will damage the solenoid.

**Note 3.** Allow minimum 15 minutes for cooling between activations of energize-coil to avoid damaging the solenoid. (Depends on length of time energize coil is energized.)

**Note 4.** The energize-coil must fully seat the plunger to allow the hold-coil to function properly.