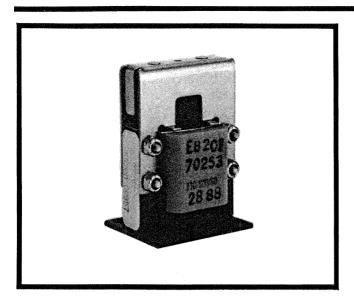
- Unless specifically designed for such service SOLENOIDS SHOULD NOT BE submerged in or splashed with oils, coolants or other liquids.
- SOLENOIDS MUST NOT BE used in locations where temperature or atmospheric conditions are beyond those for which they have been specifically designed.
- Check line voltage. Solenoids should not be subjected to voltages and currents other than those printed or stamped on coil or solenoid. Use a coil designed for a specific power supply.
- Solenoids should not be used in applications where the coil will be subjected to voltage spikes.

- Use solenoids rated for the intended application. Solenoids should not be cycled at a rate which will prevent cooling of the coil. A continuous current in-rush may occur which can burn out the coil.
- Mounting for solenoids should be designed to avoid blocking solenoid plunger in open positions resulting in a high in-rush current which may burn out coil. Use the shortest possible stroke to reduce impact force and wear. Mount solenoid on a heat sink if possible.
- Do not use solenoids in an overloaded or underloaded condition and do not apply side loads to the plunger.
 The load force line should be in a straight line with the plunger.

The user should refer to NFPA 70B, RECOMMENDED PRACTICE FOR ELECTRICAL EQUIPMENT MAINTENANCE, published by the National Fire Protection Association, for additional information.

NAMCO



Pull and Push Type Solenoids

The **EB200** series industrial solenoids are available in standard base and side mountings and have stainless steel saddle type retainers. They are available in stacking widths of 1/2, 3/4, 1 and 1-1/4 inches. Available with side or bottom mountings and in 50 Hz and DC models. Standard versions available for 115, 230, 460V, 60 Hz.

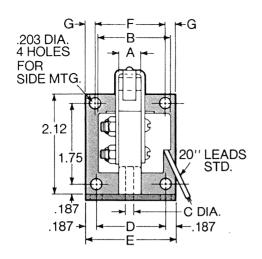
Features include:

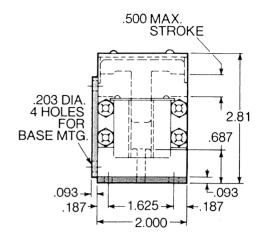
- 1/2 inch stroke
- 115, 230, and 460 V, 60 Hz models
- 2 to 10 pound pull or push force
- Standard side and base mounting
- 1-1/2" long stainless steel round loose push pin available at additional charge
- Captive pin is also available at additional cost. (Pin has head or shoulder which serves to hold it in place in the solenoid.)

Stacking Size	Part Number	Type	Mounting	V&C	(Inches) Stroke	(Lbs.) Force	Description or Special Features
	EB200-00067	Pull	Standard Base	110/120/60	.50	2	•
	EB200-00219	Pull	Standard Base	110/120/60	.50	1.5	Same as EB200-00067 except special coil
	EB200-00141	Pull	Standard Side	110/120/60	.50	ž	•
	EB200-00140	Pull	Standard Side	110/DC	.50	.55	Same as EB200-00141 except D.C. coil and force
.50	EB200-00264	Pull	Standard Side	110/120/60	.50	2	Same as EB200-00141 except special ret. stops cut off
	EB200-00653	Pull	Non-Standard Side	115/50	.62	1.5	Special core, special plunger, special
	EB200-00675	Pull	Non-Standard Side	110/120/60	.62	2.0	retainer, special coil, spring return Same as EB200-00653 except force, special coil
	EB200-09543	Push	Non-Standard	110/120/60	.125	5.25	Special core, special plunger, special coil, special pin
	EB200-09857	Push	Standard Base	110/120/60	.50	2.0	, - p _.
	EB200-10034 EB200-10093	Puli Puli	Standard Base Standard Base	110/120/60 220/240/60	.50 .50	6. 6.	Same as EB200-10034 except voltage
	EB200-10215	Pull	Standard Side	110/120/60	.50	6.	
.75	EB200-10700 EB200-10343	Pull Pull	Standard Side Non-Standard Side	115/50/60 110/120/60	.50 .50	6. 6.	Special plunger with .205 link hole Special core, special coil, coil
	EB200-10216	Pull	Standard Side	220/240/60	.50	6.	information on both sides Same as EB200-10215 except voltage
	EB200-19704	Push	Standard Side	110/120/60	.50	6.	
	EB200-19894	Push	Standard Side	48 VDC	.50 .50	1.75 7.5	Special plunger, special saddle stop
4.00	EB200-20067 EB200-20114	Pull Pull	Standard Base Standard Side	110/120/60 110/120/60	.50	7.5	
1.00	EB200-20464	Pull	Non-Standard Side	110/120/60	.50	7.5	Special mounting, special plunger, special retainer
	EB200-29865	Push	Standard Base	110/120/60	.50 .50	7.5	Come on EDOOR 2004C average valle as
	EB200-30025 EB200-30046	Pull Pull	Standard Base Standard Base	220/240/60 110/120/60	.50	10. 10.	Same as EB200-30046 except voltage
	EB200-30123	Pull	Standard Base	440/480/60	.50	10. 10.	Same as EB200-30046 except voltage
	EB200-30195 EB200-30843	Pull Pull	Standard Side Standard Side	110/120/60 110/50/60	.50 .50	10.	Same as EB200-30195 except voltage
	EB200-39896	Push	Standard Base	110/120/60	.50	10.	110/50/60
4.05	EB200-39116 EB200-39117	Push Push	Non-Standard Base Non-Standard Base	115/50/60 115/50/60	.375 .50	7.0 7.0	Special mounting, special coil,
1.25	EB200-39143	Push	Non-Standard Base	115/60	.50	10.	36" leads Special mounting, special coil
	EB200-39115*	Push	Standard Base	110/50/60	.50	10.	Special spring return
	EB200-39904*	Push	Standard Base	220/50/60	.50	10.	Same as EB200-39115 except voltage
	EB200-39193 EB200-39363	Push Push	Non-Standard Side Non-Standard Side	440/60 110/60	.50 .50	10. 15.0	Special coil, special lead wire Same as EB200-39383 except coil is
	EB200-39383	Push	Non-Standard Side	110/60	.50	15.0	reversed Captive pin 13/16" in closed position,
	EB200-39386	Push	Non-Standard Side	125/60	.50	15.0	special coil Same as EB200-39383 except voltage
	EB200-39366	Push	Non-Standard Side	125/60	.50	15.0	Same as EB200-39363 except voltage

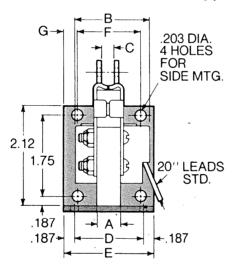
EB200 Series

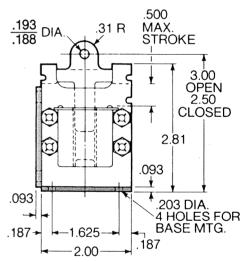
EB200 Push Type, Base and Side Mount





EB200 Pull Type, Base and Side Mount





Mounting Information and Dimensions

Push Type, Base and Side Mount

Cod	Base Mounting						
Stacking Size A	В	С	D	E	F	G	
.50	1.56	.172	1.250	1.62			
.75		Not available as standard unit. See special solenoid catalog.					
1.00	2.12	.205	1.750	2.12	_		
1.25	2.38	.199	2.125	2.50			

Cod	e: 🛮 Si	de	Side Mounting				
.50	1.56	.172	_		1.500	.250	
.75	1.88	.172			1.500	.250	
1.00	Not available as standard unit. See special solenoid catalog.						
1.25	Not available as standard unit. See special solenoid catalog.						

Pull Type, Base and Side Mount

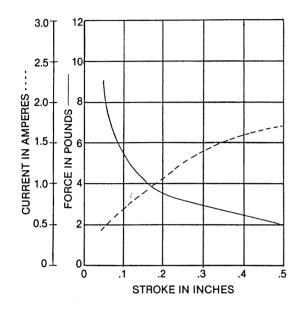
Code	Base Mounting					
Stacking Size A	В	С	D	E	F	G
.50	1.56	.25	1.250	1.62		
.75	1.88	.25	1.500	1.88		
1.00	2.12	.38	1.750	2.12		_
1.25	2.38	.50	2.125	2.50	_	

Cod	Side Mounting					
.50	1.56	.25			1.500	.250
.75	1.88	.25			1.500	.250
1.00	2.12	.38			2.125	.187
1.25	2.38	.50			2.125	.187

NAMCO

Typical Force and Current Curves

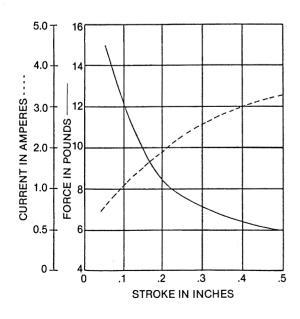
.50 Stacking Size Curves Shown for 115 volt, 60 Hz



	PUL	L TYPE	PUSH TYPE		
STROKE (inches)	FORCE lbs.	CURRENT amps.	FORCE Ibs.	CURRENT amps.	
.1	5.5	.7	5.5	.7	
.2	3.5	1.1	3.5	1.1	
.3	3.0	1.4	3.0	1.4	
.4	2.5	1.6	2.5	1.6	
.5	2.0	1.7	2.0	1.7	

REFERENCE PART NUMBERS FOR .50 STACKING SIZE EB200-09857, EB200-00067, EB200-00141

.75 Stacking Size Curves Shown for 115 volt, 60 Hz



	PUL	L TYPE	PUSH TYPE		
STROKE (inches)	FORCE lbs.	CURRENT amps.	FORCE lbs.	CURRENT amps.	
.1	12.1	1.1	12.1	1.1	
.2	8.5	1.9	8.5	1.9	
.3	7.0	2.6	7.0	2.6	
.4	6.5	3.0	6.5	3.0	
.5	6.0	3.3	6.0	3.3	

REFERENCE PART NUMBERS FOR .75 STACKING SIZE E6200-19704, EB200-10034