

PM486FP DC Motor Driven Roller

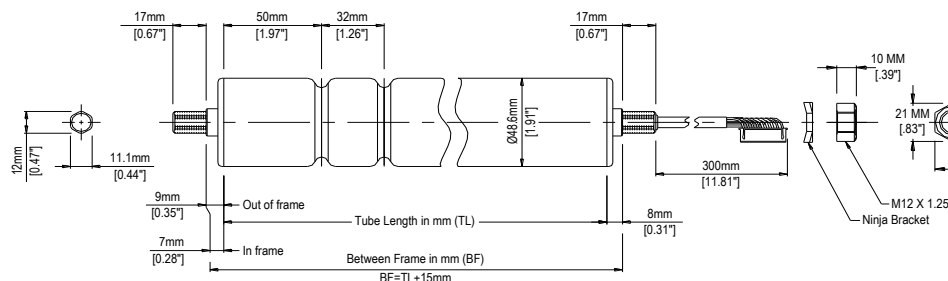


Diameter: 1.91" (48.6mm)
Voltage: 24V DC

Features

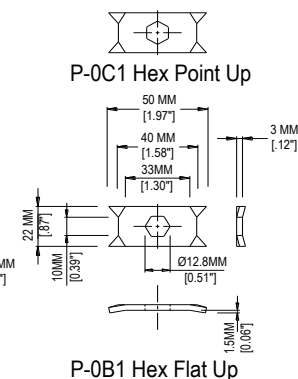
- Brushless DC motor provides long life
- ABEC 1 Bearings
- DOM, zinc plated, carbon steel tube
- Strong motor torque
- 7/16" Hex (threaded) shafts standard
- Torque transmitted through output tube
- Dynamic brake
- Dual shaft mounting

Dimensions

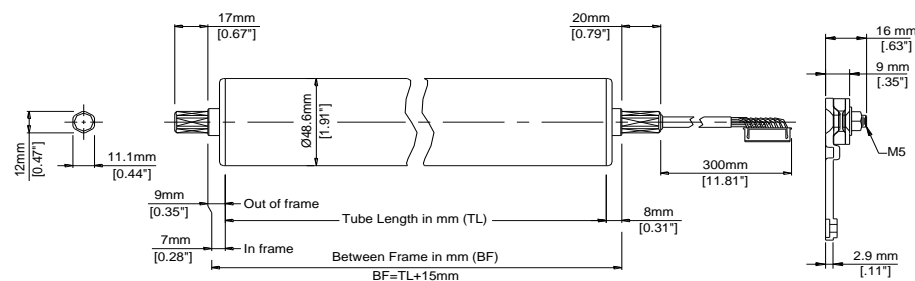


Standard Threaded Hex Shafts with Grooved Tube

Mounting Brackets



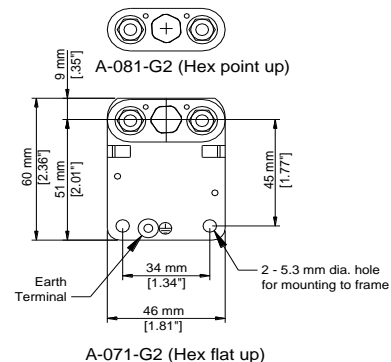
*Note: Nuts are to be tightened to 22.1 lb-ft ± 10%



JR - (Yoke Style) Hex Shafts / Straight Tube

All shaft configurations available with grooved tube or straight tube.

Mounting bracket for JR shaft



Operation

- Cycle: 1s ON; 1s OFF
- Continuous or Intermittent duty
- Do Not Exceed 150% of No-Load Speed

Protection

- Thermal overload 221°F (105°C) in the motor when used with an Itoh Denki controller

Environment

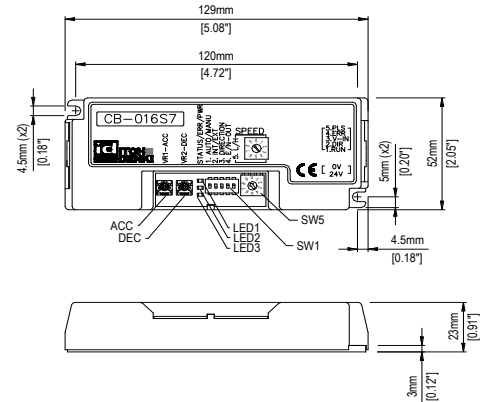
- Ambient Temperature 32~104° F (0~40°C)
- < 90% Relative Humidity (No condensation)
- No Corrosive Gases
- Vibration < 0.5G

PM486FP Performance Data



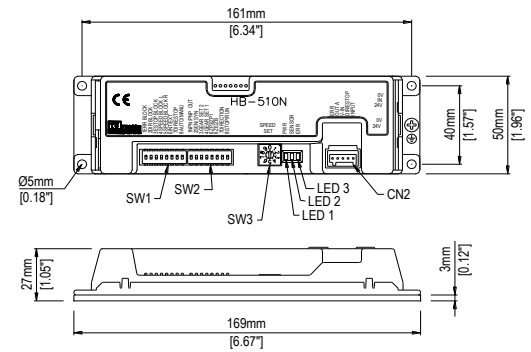
CB-016S7 20 speed settings								
Gear Stage	Speed Code	No-load (FPM)		Tangential Force (lb) Starting	Torque (lb-in) Starting	Current (A)		
		SW1-5 on SW5 9 High	SW1-5 off SW5 0 Low			At highest speed		
						Starting	No-Load	Rated
3	5	26.1	7.2	149.4	142.9	4.0	0.4	2.0
	8	36.5	7.2	141.9	135.7	4.0	0.5	2.7
	10	48.2	7.2	119.5	114.3	4.0	0.7	3.2
	15	56.6	7.2	104.6	100.0	4.0	0.9	3.5
2	20	98.4	26.6	45.0	43.0	4.0	0.4	2.0
	30	137.8	26.6	42.7	40.9	4.0	0.5	2.7
	45	182.0	26.6	36.0	34.4	4.0	0.7	3.2
1	55	213.7	26.6	31.5	30.1	4.0	0.9	3.5
	100	448.3	121.4	11.2	10.7	4.0	0.4	2.0
	140	627.6	121.4	10.7	10.2	4.0	0.5	2.7
	190	829.3	121.4	9.0	8.6	4.0	0.7	3.2
	255	973.5	121.4	7.9	7.5	4.0	0.9	3.5

CB-016S7



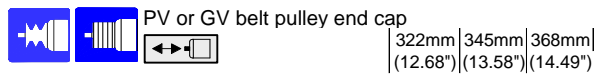
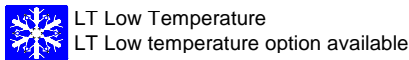
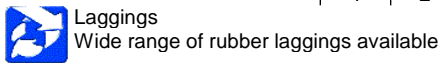
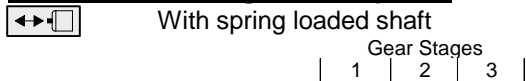
HB-510N 10 speed settings								
Gear Stage	Speed Code	No-load (FPM)		Tangential Force (lb) Starting	Torque (lb-in) Starting	Current (A)		
		SW3 9 High	SW3 0 Low			At highest speed		
						Starting	No-Load	Rated
3	5	26.1	14.1	149.4	142.9	4.0	0.4	1.9
	8	36.5	14.1	141.9	135.7	4.0	0.5	2.5
	10	48.2	14.1	119.5	114.3	4.0	0.7	3.0
	15	56.6	14.1	104.6	100.0	4.0	0.9	3.2
2	20	98.4	53.5	45.0	43.0	4.0	0.4	1.9
	30	137.8	53.5	42.7	40.9	4.0	0.5	2.5
	45	182.0	53.5	36.0	34.4	4.0	0.7	3.0
1	55	213.7	53.5	31.5	30.1	4.0	0.9	3.2
	100	448.3	243.0	11.2	10.7	4.0	0.4	1.9
	140	627.6	243.0	10.7	10.2	4.0	0.5	2.5
	190	829.3	243.0	9.0	8.6	4.0	0.7	3.0
	255	973.5	243.0	7.9	7.5	4.0	0.9	3.2

HB-510N



Performance data with other cards available upon request.

Minimum Tube Lengths and Options



	Gear Stages		
	1	2	3
Non Grooved Tube	322mm (12.68")	345mm (13.58")	368mm (14.49")
P2 Double Groove Tube (50/32)	322mm (12.68")	345mm (13.58")	368mm (14.49")
BR Brake and P2 Double Groove (50/32)	386mm (15.20")	409mm (16.10")	432mm (17.01")
WA Waterproof (IP-65) and P2 Double Groove (50/32)	330mm (12.99")	353mm (13.90")	376mm (14.80")

PV - Between Frame -35mm = Tube length
GV - Between Frame -41mm = Tube length