



RUBBER LAGGINGS – NR, UR, NB, CR

Prevents light loads from slipping and protects the surface of loads during transfer. Laggings is molded (vulcanized) on to tube to assure permanent adhesion. Options include

Type	Material	Use	Color	Hardness
NR	Natural Rubber	General	black	60-65 durometer
UR	Urethane	Abrasion Resistant	grey	90 durometer
NB	NBR	Oil Resistant	black	60-65 durometer
CR	Neoprene	Heat Resistant	black	60-65 durometer

*Different thicknesses are available most common 3mm thick
Contact an Itoh Denki representative for more details



FREE CLUTCH - EC

- * When power is on, the POWER MOLLER functions normally.
- * When power is off, the POWER MOLLER functions as an idler roller.
- * Available for PM570AS/PM605AS series models.
- * The minimum tube length that Free Clutch option can be attached to is 11". In case the POWER MOLLER has a spring-loaded end cap, the said minimum length is 13".
- * Free Clutch option can be added to the POWER MOLLER with brake. In this case, the minimum tube lengths are 13" without a spring-loaded end cap and 15" with a spring-loaded end cap.



CLEAN ROOM

Designed for the handling line that requires a high degree of cleanliness, such as in the electronics, food and pharmaceuticals industries etc.

POWER MOLLER CLEAN ROOM CLASSIFICATIONS			
Model	Class 10,000	Class 1000	Class 100
FS	Yes, no option needed	Yes, DR with SS tube, SS shaft	Yes, with WA
FE	Yes, no option needed	Yes, DR with SS tube, SS shaft	Yes, with WA
FP	Yes, no option needed	Yes, DR with SS tube, SS shaft	N/A



WATERPROOF - WA

- Designed for outdoor lines or lines subject to water spray (washdown). Output and attaching shafts, end caps and tubes are made of stainless steel to resist corrosion. Waterproof specification IP-65, IEC 529.
- * Direct Water Spray to Shafts in Washdown Application may reduce life of the roller.
 - * Waterproof Option may affect speed and torque



LOW TEMP ROLLER – LT

Operates in temperatures down to -30° C (-22° F). Includes low temperature grease, air removal inside tube, rust-proof internal circuitry, reinforced gearbox and low temperature mechanical operation.



DRIP PROOF - DR

Designed for conveyor lines in high moisture areas. Rubber seals and o-rings protect internals Meets or exceeds IP-55 specifications.

MOUNTING BRACKETS NOT INCLUDED - KF



BUILT-IN BRAKE – BR

Eliminate load inertia and enable precise holding. Electromagnetic brake is engaged by spring force when power to the motor is interrupted.

Effective static brake

Standard Brake DC Model*	Diameter (mm)	Torque		Tangential force	
		(N·m)	(lb·ft)	(N)	(lb)
PM380DS-2	38	46.6	34.5	2452.5	551.8
PM380DS-5	38	20.6	15.2	1083.9	243.9
PM380DS-10	38	7.9	5.8	418.3	94.1
PM380DS-15	38	3.4	2.5	180.6	40.6
PM486FE-5,8,10,15,17	48.6	9.2	6.8	379.9	85.5
PM486FE-20,30,45,55,60	48.6	2.2	1.6	90.6	20.4
PM486FE-70,100,140,180,210	48.6	0.6	0.4	22.8	5.1
PM486FS-5,8,10,15	48.6	9.0	6.7	370.7	83.4
PM486FS-20,30,45,55	48.6	2.0	1.5	83.5	18.8
PM486FP-5,8,10,15	48.6	9.0	6.7	370.7	83.4
PM486FP-20,30,45,55	48.6	2.0	1.5	83.5	18.8
PM486FP-70,100,140,180	48.6	0.4	0.3	16.4	3.7
PM570FE-5,8,10,15	57	9.2	6.8	323.9	72.9
PM570FE-20,30,45,55	57	2.2	1.6	77.2	17.4
PM570FE-70,100,140,180	57	0.6	0.4	19.4	4.4

*Contact an Itoh representative for AC models.



HIGH TORQUE BRAKE – BR-OS

Available for FS, FE, and FP rollers

Up to 39% more torque than standard brake, designated by blue band on cable
Can be controlled with CB-016 and HB-510 series driver cards (Not to be used with CB-005 or HB-508)

Effective static brake

High Torque Brake DC Model*	Diameter (mm)	Torque		Tangential force	
		(N·m)	(lb·ft)	(N)	(lb)
PM486FE-5,8,10,15,17	48.6	12.8	9.5	526.1	118.4
PM486FE-20,30,45,55,60	48.6	3.0	2.2	125.4	28.2
PM486FE-70,100,140,180,210	48.6	0.8	0.6	31.5	7.1
PM486FS-5,8,10,15	48.6	12.5	9.3	513.3	115.5
PM486FS-20,30,45,55	48.6	2.8	2.1	115.6	26.0
PM486FP-5,8,10,15	48.6	12.5	9.3	513.3	115.5
PM486FP-20,30,45,55	48.6	2.8	2.1	115.6	26.0
PM486FP-70,100,140,180	48.6	0.6	0.4	22.7	5.1
PM570FE-5,8,10,15	57	12.8	9.5	448.5	100.9
PM570FE-20,30,45,55	57	3.0	2.2	106.9	24.1
PM570FE-70,100,140,180	57	0.8	0.6	26.9	6.1

*Contact an Itoh representative for AC models.