



PBDA Cleanroom Series - Pen Cylinders

The PBDA series includes some of the smallest diameter linear round body cylinders in the world (with bore sizes as small as 2.5 mm for standard models and 6 mm for cleanroom models), which allow machine and tool designers to miniaturize devices, machines, and automated processes.

- Axial or Radial Rear Ports
- Stainless Steel Tubes
- RoHS Compliance
- Optional Magnetic Piston for Sensor Activation
- Bore Sizes from 6 mm to 16 mm

Improve the performance and reduce the size of your next generation machine. Koganei sets the standard for supplying innovative high-quality solutions with unmatched reliability. Optimized designs, with a wide variety of styles and sizes, increase speed to market as well as provide solutions for most applications. Expedite deliveries with product stocked in the USA.

KOGANEI is committed to your success from concept, to initial design, to final delivery and beyond.

Operations

Double Acting Clean System with Dust Collecting Port

Single Acting Push Clean System

PBDA Cleanroom Series - Pen Cylinders

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Model	Operation	Bore mm	Standard Strokes mm [in]	Max Stroke mm [in]	Port Size metric [imperial]	Max Force - Push N [lbf]	Max Force - Pull N [lbf]	Speed Range mm/s [in/s]	Pressure Range MPa [psi]	Temperature Range °C [°F]
CS-PBDA	Double Acting Clean System with Dust Collecting Port	6	5 - 60 [upon request]	100 [3.9]	M5 x 0.8 [upon request]	19.8 [4.5]	14.8 [3.3]	50 - 300 [2.0 - 11.8]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
CS-PBDA	Double Acting Clean System with Dust Collecting Port	10	5 - 150 [upon request]	150 [5.9]	M5 x 0.8 [upon request]	55 [12.4]	46.2 [10.4]	50 - 300 [2.0 - 11.8]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
CS-PBDA	Double Acting Clean System with Dust Collecting Port	16	5 - 200 [upon request]	200 [7.9]	M5 x 0.8 [upon request]	141 [32]	127 [29]	50 - 300 [2.0 - 11.8]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
CS-PBSA	Single Acting Push Clean System	6	5 - 60 [upon request]	75 [3.0]	M5 x 0.8 [upon request]	19.8 [4.5]	3.5 [0.8]	50 - 300 [2.0 - 11.8]	0.3 - 0.7 [43.5 - 101.5]	0 - 60 [32 - 140]
CS-PBSA	Single Acting Push Clean System	10	5 - 60 [upon request]	105 [4.1]	M5 x 0.8 [upon request]	55 [12.4]	5.9 [1.3]	50 - 300 [2.0 - 11.8]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
CS-PBSA	Single Acting Push Clean System	16	5 - 60 [upon request]	120 [4.7]	M5 x 0.8 [upon request]	141 [32]	9.8 [2.2]	50 - 300 [2.0 - 11.8]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]

Focused on providing industry leading pneumatic, fluid handling, and electrical automation components and assemblies for the OEM market | Think KOGANEI