

Important Operation and Cleaning Instructions

Air Supply

- **DO NOT OPERATE NEW WAY PRODUCTS UNLESS AIR PRESSURE IS APPLIED!**
- Air supply **must** be free of contaminants & moisture (filtered air supply is highly recommended).

ISO 8573.1 QUALITY CLASSES

Recommended →
Minimum Specs →

QUALITY CLASS	DIRT (Particle size in micron)	WATER Pressure Dewpoint °F (ppm. vol.) at 100 psi g	OIL (including vapor) mg/m ³
1	0.1	-94 (0.3)	0.01
2	1	-40 (16)	0.1
3	5	-4 (128)	1.0
4	15	+37.4 (940)	5
5	40	+44.6 (1240)	25
6	-	+50 (1500)	-

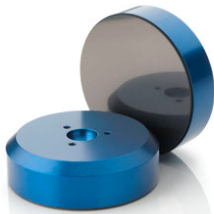
New Way Porous Media® Technology

- Keep guideway and bearing surfaces clean of debris and excessive dust.
- Avoid contaminants with oil, coolant or other fluids.
- Clean porous media and guide surfaces with **60 psi (0.41 MPa)** air pressure applied.
- Clean using **ONLY Isopropanol (Isopropyl Alcohol greater than 90% pure)**.
- Do **not** clean bearings or guide surfaces with ketones.
- Clean by applying alcohol to a clean, dry cloth and wiping guide surfaces thoroughly.
- After cleaning allow the alcohol to evaporate completely.
- Also allow guide surfaces to dry completely before passing bearings over the cleansed areas.



NEWWAY[®]
air bearings

Product-Specific Instructions



Air Bearings

- Clean flat round or rectangular air bearing and guide surfaces when needed.
- Clean with **60 psi (0.41 MPa)** air pressure applied, using ONLY Isopropanol (Isopropyl Alcohol greater than 90% pure).
- Do not clean bearing surfaces or guideways with ketones.
- Clean by applying alcohol to a clean, dry cloth and wiping surfaces thoroughly.
- Allow the alcohol to evaporate completely from the porous media and guide surfaces before passing bearings over cleansed areas.



Air Bushings

- Clean bushing and shaft surfaces when needed.
- Clean with **60 psi (0.41 MPa)** air pressure applied, using ONLY Isopropanol (Isopropyl Alcohol greater than 90% pure).
- Do not clean bearing surfaces or shafts with ketones.
- Clean by applying alcohol to a clean, dry cloth and wiping surfaces thoroughly.
- When inserting bushing into mounting block, take care not to pinch or deform O-rings. Use Isopropyl Alcohol (<90%) on O-rings to ease application. Do not allow O-rings to 'catch' inside mounting block. Deformed or damaged O-rings will adversely affect bushing performance.
- After cleaning or insertion into mounting block, apply **60 psi (0.41 MPa)** air pressure and allow alcohol to evaporate completely before using bushings.



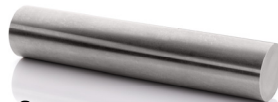
VPL Air Bearings

- Clean vacuum preloaded air bearings (VPLs) and guide surfaces when needed.
- Clean with **60 psi (0.41 MPa)** air pressure applied, using ONLY Isopropanol (Isopropyl Alcohol greater than 90% pure).
- Do not clean vpl bearing surfaces or guideways with ketones.
- Clean by applying alcohol to a clean, dry cloth and wiping surfaces thoroughly.
- Allow the alcohol to evaporate completely from the porous media and guide surfaces before passing vpl air bearings over cleansed areas.



Linear Slides

- Clean air bearing slide truck and guide surfaces when needed.
- Clean with **60 psi (0.41 MPa)** air pressure applied, using ONLY Isopropanol (Isopropyl Alcohol greater than 90% pure).
- Do not clean bearing surfaces or guideways with ketones.
- When removing slide unit from rail, the slide must be removed **with 60 psi (0.41 MPa) air pressure applied. It is strongly recommended that the slide unit not be removed from the rail. If removed, be sure to reassemble in same orientation.**
- **Do not** apply slide unit to any rail other than the one on which it was provided.
- Clean by applying alcohol to a clean, dry cloth and wiping surfaces thoroughly.
- Allow guide surfaces to dry completely before using bearings over cleansed areas.



Shafts

- Clean shafts thoroughly prior to installing porous carbon media air bushings.
- The protective layer of oil must be **completely removed from shaft** prior to installation of New Way air bushings.
- Clean with **60 psi (0.41 MPa)** air pressure applied, using ONLY Isopropanol (Isopropyl Alcohol greater than 90% pure).
- Do not clean bearing surfaces or shafts with ketones.
- Clean by applying alcohol to a clean, dry cloth and wiping guide surfaces thoroughly.
- Allow the alcohol to evaporate completely before passing bushings over cleansed shafts.



Radial Air Bearings

- Clean radial air bearings and guide surfaces when needed.
- Clean with **60 psi (0.41 MPa)** air pressure applied, using ONLY Isopropanol (Isopropyl Alcohol greater than 90% pure).
- Do not clean radial air bearing surfaces or guideways with ketones.
- Clean by applying alcohol to a clean, dry cloth and wiping surfaces thoroughly.
- Allow the alcohol to evaporate completely from the porous media and guide surfaces before using New Way radial air bearings over cleansed areas.

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50 McDonald Blvd. Aston, PA 19014 USA Main 610.494.6700 Fax 610.494.0911 www.newwayairbearings.com