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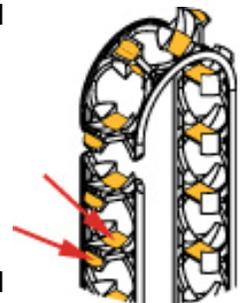


Profile Rail Linear Guides Excelling in Medical Field

Rockford, IL – June 22, 2009

Cutting edge technology and design enhancements used to manufacture and develop PBC Linear's Profile Rail Technology (PRT) provide PBC Linear's medical and laboratory customers a competitive edge. Optimization of ball recirculation and internal lubrication systems provide compact-precision, smooth, quiet and trouble free linear motion at a lower cost!

The special steel alloy profile rail is induction heat treated using the latest in CNC equipment and is controlled to precise depth and hardness. Specially designed long length CNC grinders, precision grind all surfaces simultaneously ensuring accurate, smooth motion no matter what length! The internal design of the runner block/carriages provides vibration-free ball recirculation and optional ball retaining caged carriages provide up to 84% less noise and up to 19% more load capacity for a nominal cost. The internal lubrication system of the runner blocks allows for minimal maintenance and long life. The caged runner blocks add additional lubrication via special reservoirs built into the cage. Both versions feature a new end seal design and unique pop-in longitudinal seals that keep contaminants out of the bearings and lubrication inside. This leads to, depending on the application, no additional lubrication or maintenance for the life of the machine; resulting in clean performance and long lasting guidance for medical equipment.



Internal Lubrication System

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Four row angular ball contact between the runner block and guide rail races ensure rigidity and accuracy—a must in the medical industry. This also promotes even disbursement of loads in all directions; so there is no de-rating dependent on the mounting! The runner blocks also contain a new polymer tube design that reduces noise and vibration. This ensures PRT linear guides will sustain precise linear motion and high repeatability throughout the life of the product.

Industry size interchangeable and available in various preloads and accuracies, PBC Linear's PRT linear guides are a low cost solution for most applications. For more information or application assistance on Profile Rail Technology, please call 1.800.729.9085, email to marketing@pbclinear.com or visit us at our PRT dedicated webpage at <http://PRT.pbclinear.com>.

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