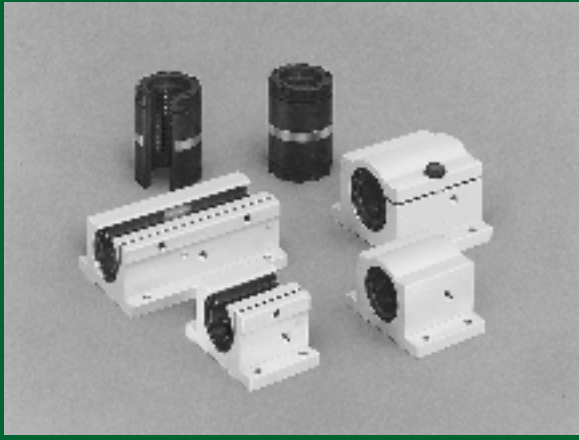




Thomson Linear Motion Components

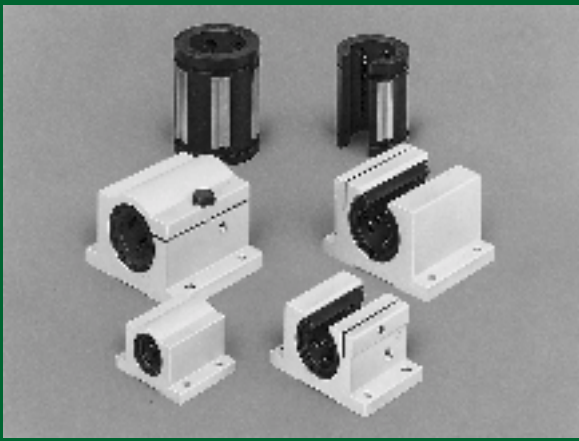
Super Smart Ball Bushing™ Bearings and Pillow Blocks



This new patented self-aligning linear bearing provides twice the load carrying capacity or eight times the travel life of the industry standard Thomson Super Ball Bushing™ bearing. This dramatic increase in load capacity allows the use of less expensive drive motors, linkages, gears and ball screws. The unique Super Smart design allows the bearing to maintain its diametrical fit up when installed in housings that are soft or slightly out-of-round. The new bearings are called “Smart” because their universally self-aligning, double-track design incorporates engineering concepts that literally render old style conventional bearings obsolete.

To minimize installation time and cost, the Super Smart Ball Bushing™ bearing can be ordered factory-installed in an industry standard single or twin pillow block. The closed type pillow block is used in end-supported applications for spanning or bridging a gap. The open style is used in continuously-supported applications when maximum rigidity and stiffness is required. Each Super Smart Pillow Block is complete with integral double-acting seals which keep out contaminants, retain lubrication and maximize bearing life. Since each Pillow Block is dimensionally interchangeable with the industry standard Thomson Super Ball Bushing™ Pillow Block, system performance improvements can be realized immediately.

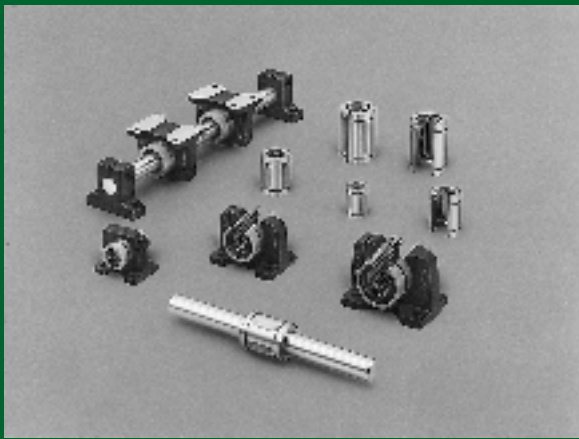
Super Ball Bushing™ Bearings and Pillow Blocks



Super Ball Bushing™ bearings offer three times the load capacity or twenty seven times the life of conventional linear bearings. Industry standard self-aligning Super Ball Bushing™ bearings ease installation and minimize wear from minor bore misalignment. Super Ball Bushing™ bearings can achieve speeds up to 10 ft/s and accelerations up to 450 ft/s² without the derating factors commonly found in linear guide products. With a coefficient of friction as low as .001, Super Ball Bushing™ bearings provide a quick, easy replacement for high friction plain bearings. The wear-resistant, engineered-polymer retainers and outer sleeves reduce inertia and noise in critical, high-speed applications.

Thomson Super Ball Bushing™ bearings are also available factory installed in single or twin pillow blocks. Super Ball Bushing™ bearing pillow blocks are provided with integral, double-acting seals that keep out contaminants and retain lubrication, maximizing system performance and life. Twin versions provide up to twice the load capacity or eight times the life of single versions, allowing the use of smaller and less expensive drives, motors and ball screws. When replacing v-ways and flat-ways, the Super Pillow Block’s low coefficient of friction reduces power consumption and provides important design economies.

Precision Steel Ball Bushing™ Bearings

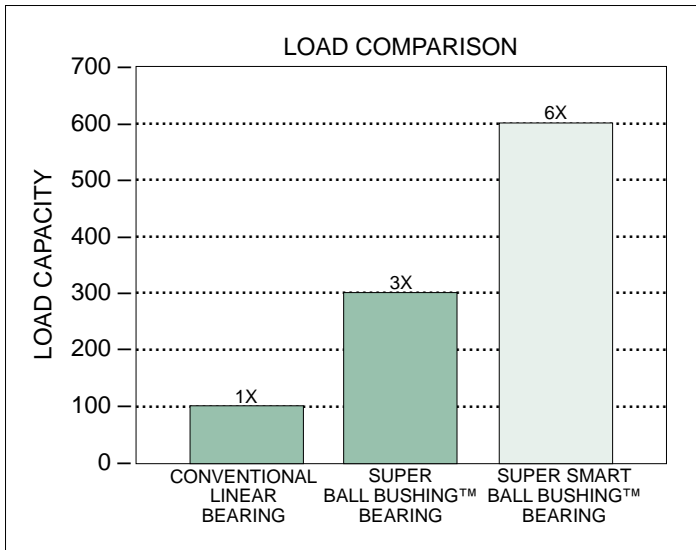


Precision Steel Ball Bushing™ bearings are available in an open version for continuously supported applications and a closed version for end-supported applications. Extra precision and adjustable versions are available on special request for end-supported applications requiring higher precision and repeatability. Precision Steel Ball Bushing™ bearing products are also available factory installed in a self-aligning, malleable iron pillow block minimizing installation time and cost. The all-steel design makes the Precision Steel Ball Bushing™ bearing product line perfect for replacing plain bearings in high temperature applications.



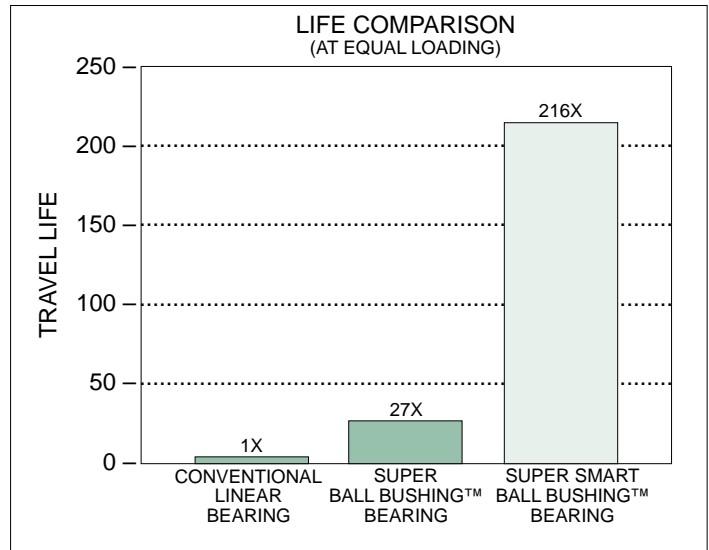
Super Smart Ball Bushing™ Bearing's Advantages

Load Capacity



The Super Smart Ball Bushing™ bearing provides twice the load capacity of the industry standard Thomson Super Ball Bushing™ and six times the load capacity of conventional linear bearings.

Travel Life



The Super Smart Ball Bushing™ bearing provides eight times the travel life of the industry standard Thomson Super Ball Bushing™ bearing and 216 times the travel life of conventional linear bearings.

SELECTION CHART

Type	Configuration		Load Capacity Range lbf	Size and Availability												
	Single	Twin		3/16	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
Super Smart Ball Bushing™ Bearings																
Closed Type	P. 4	—	265 to 3880				•	•	•	•	•	•				
Open Type	P. 6	—	360 to 3880				•	•	•	•	•	•				
Super Smart Ball Bushing™ Pillow Blocks																
Closed Type - Flanged	P. 8	P. 8	265 to 3880				•		•	•	•	•				
Closed Type - Conventional	P. 10	—	265 to 3880				•	•	•	•	•	•				
Open Type	P. 12	—	360 to 3880				•	•	•	•	•	•				
Super Ball Bushing™ Bearings																
Closed Type	P. 14	—	35 to 3000	•	•	•	•	•	•	•	•	•	•	•		
Open Type	P. 16	—	230 to 2350				•	•	•	•	•	•	•			
Super Ball Bushing™ Pillow Blocks																
Closed Type	P. 18	P. 22	60 to 4000		•	•	•	•	•	•	•	•				
Open Type	P. 20	P. 24	230 to 3120				•	•	•	•	•	•				
Precision Steel Ball Bushing™ Bearings																
Closed Type	P. 26	—	19 to 5000		•	•	•	•	•	•	•	•	•	•	•	•
Open Type	P. 28	—	60 to 3800				•	•	•	•	•	•	•	•	•	•