drylin® World of design freedom



Discover the whole world of lubrication-free drylin® W linear systems: igus.eu/drylinW

Robust
drylin® linear guides can cope with high temperatures, strong vibration and more

Precise rail guide
Corrosion-free and media-resistant for applications under water

Dirt-resistant
drylin® linear guides can be used even in sand, swarf and dust

Quiet
Four times quieter than equivalent linear bearings made of metal

Lightweight
Up to 75% weight reduction with high-performance polymer

Hygienic
All systems operate without external lubrication and are therefore extremely clean

igus®
DRYWAY®

dryway®
All drylin® linear guides completely do without external lubricants such as grease and oil



Online
- Product finder
- Service life calculator
- CAD
- Live chat



igus.eu/drylinW

Curved drylin® W linear guide for monitor adjustment

“A unique solution for converting the former water tower into a multi-genre space. The requirement of independent movement of 2x3 LED TVs for curved tracks was solved with a curved sliding linear guide drylin® W (WS-10-120) and carriage for curved rail WWB 10-120-10. ... The drylin® W linear guide system ensures quiet and smooth operation with minimal maintenance, service and lubrication requirements.”

Lubos Kudma, MTeZ s. r. o., Czech Republic







drylin® W curved guide …
... WWB carriage for curved rail with/without clamping



… WSB curved rail







drylin® W in adjustment of nozzles for track and tunnel cleaning

“The cleaning nozzles must be adjustable and telescopic, as there is a tight installation space. The linear guides must ensure smooth and easy movement of the cleaning nozzles. They have to be insensitive to dirt, maintenance-free and resistant to environmental influences.”

Oliver Paul, ZWEIWEG International GmbH & Co. KG

drylin® W linear system …

… WW linear carriage



… WS double rails



drylin® W as a door guide for sliding glass doors

“The drylin® W linear guide is used for the guidance and movement of the window profile. Our requirements were robust, durable systems that can support the weight of the doors, in all weather conditions ...”

Shay Raanan, Skyroof, Israel



drylin® W linear guide ...

... WJRM double roller bearings



... WS-20 single rail







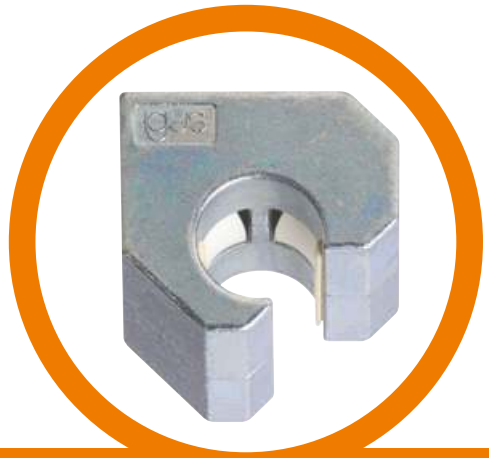


drylin® W in scanner adjustment

"The drylin® W linear guide enables smooth movement without vibration that could affect the image obtained, at a speed of 40 metres per minute and a constant load of 100kg. drylin® W solved the problem of dirt, moisture and offers durability and low maintenance."

Sr. César Fernandes, d2technology, Portugal

drylin® W roller bearings …
… WJRM double roller bearings



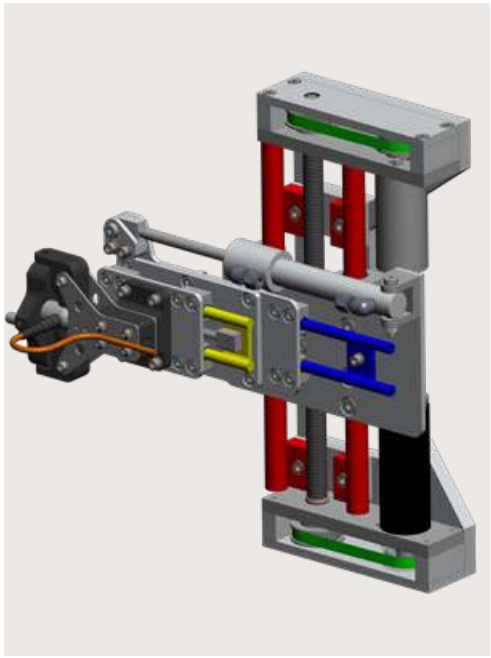
… WS-20 single rail



drylin® W linear guides made of stainless steel

“ToolTec has designed and manufactured an underwater tool specifically adapted for cleaning and inspecting underwater cables, caissons, risers and pipelines in the splash zone. … The challenge was to create reliable and low-maintenance mechanisms that would allow for precise and controlled movements while being robust enough to withstand the extreme environmental conditions in which they must function.”

Neil MacDonald, ToolTec Ltd. UK







drylin® W linear system made of stainless steel ...
… WS double rails
… WW linear carriage



… WJ200UM linear plain bearing with iglidur® X liner





drylin® W linear guide as an adjustment in a theatre

“The project was conceived as part of the staging of a theatrical performance. One of the main characters in the performance is a computer-controlled harmonium (musical instrument). As part of the performance, it was necessary for the harmonium to be able to move left and right. Above all, the movement of the instrument had to be quiet and smooth ...”

Toon Quanten, Belgium



drylin® W linear system ...
... WS-10 single rail



... WJ200UM-01-10-Pxx
single bearing with pretension



drylin® W linear guides in adjustment of large format cameras

“The cameras are made of wood and aluminium alloy. There are many moving parts, both linear and rotating. The plastic bearings are used for all rotary joints. The drylin® linear guides move easily and precisely. The moving part of the HF cameras works more smoothly and accurately than before. This is very important for focusing.”

Philip Habart, Czech Republic





drylin® W linear guide ...
... WS-CA single rail



... WJ200UM single bearing housing







drylin® W as an offline configurator for cars

“Each independent rotating ring is one of the optional parameters of the vehicle, e.g. body colour, seat material and colour, or colour of the interior trim. By simply turning the rings, we get the desired configuration. How simple! ... None of this would be possible without the drylin® W linear guide system. Small dimensions of the guidance make it possible to reduce the size and therefore the weight of the rings to a minimum.”

Jan Pechan, ARTEO, Czech Republic

drylin® W curved guide …
… WSB curved rail



… WI3UBP curved bearing



drylin® W in the control system of catamarans

“The most modern high-tech racing boats in sailing today lift themselves on hydrofoils. ... The hydrofoil is used under the toughest conditions: extreme temperature fluctuations, salt water, sand and dust (and resulting hard impacts on the system). ... Maintenance is virtually non-existent. ... The flight control system in the centreboard box slides on a drylin® linear guide. Corrosion-resistant linear guides and all plastic bearings reliably protect against deterioration, especially against the threat of contact corrosion.”

Ernst-Michael Miller, CEC Catamarans GmbH, Germany





drylin® W linear guide ...
... WSQ single rail



... WJ200QM single bearings





drylin® W linear guide in vertical farming

“Trella Technologies develops energy-efficient and globally scalable solutions to the problems of the indoor farming industry. … The features that make these igus® products ideal for our application are the low cost, quiet operation, light weight, self-lubrication, resistance to corrosion and dirt (high humidity, intense UV light, soil additives, etc.), the durability and the ease of assembly.”

Sheri Lupoli, Trella Technologies, USA

drylin® W linear guide ...

… WSQ single rail
… WJ200QM single bearings
… WSQ double rail
… WWC compact carriage



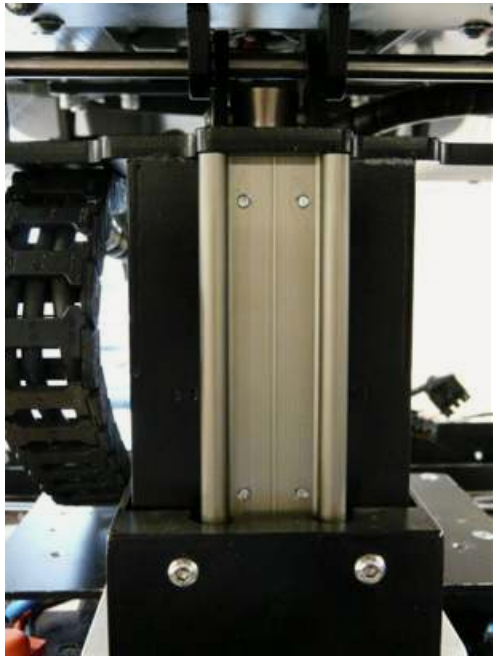


drylin® W in seat adjustments in electric wheelchairs

“The bearings are compact, they do not require lubrication and are suitable for outdoor use without restrictions. ... Actually, igus® bearings are installed here at every bearing position. For example, both in the longitudinal and in the (optional) height adjustment of the seat system, drylin® W linear guides provide mobility and stability.”

Klaus Gierse, Motion Solutions GmbH, Germany







drylin® W linear guide ...
... WS single rails



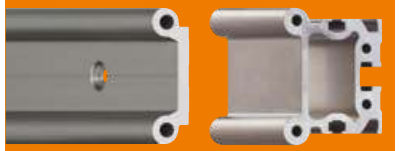
... WJ200UMA plain bearings
for quick bearing changes



Switch now easily and quickly to drylin® W

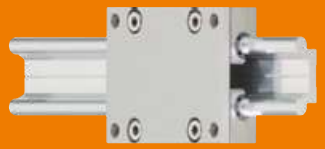
drylin® W linear guides offer maximum design freedom in the construction: ready-to-install linear systems with double rails/linear carriages or variable construction with individual rails/bearings, also overhead or over-corners. Linear straight, unsupported or curved. Manually or electrically, as a design-oriented visible part or in 24/7 operation.

Robust ...



Flat double rails, unsupported high profiles

Ready to install ...



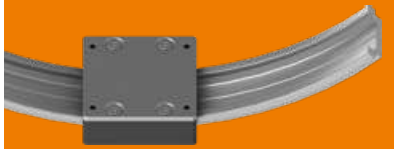
Carriages in selectable lengths/ widths/connection dimensions

For all installation positions ...



Flexible single rails and single bearings

For curves ...



Curved rails and curved bearings/carriages

For smooth operation ...



Roller rails and roller bearings/carriages

Lubrication-free ...



Linear liners in seven igus® polymers

Fail-safe ...



smart plastics condition monitoring

Position-locking ...



Manual clamp

Adjustable ...



Manual clearance adjustment

Fastest assembly ...



Clip-type linear carriage

For industries...



Stainless steel/Hygienic design Carbon/Fibreglass

Bearing change in 30 seconds ...



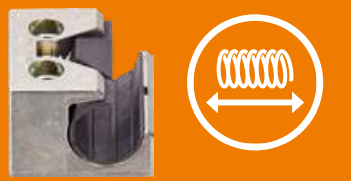
Quick bearing change

'Stop motion' ...



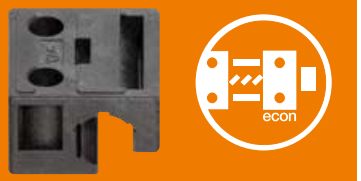
Linear carriage with snap mechanism

Defined move ...



Defined pretension

Cost-effective entry ...



econ polymer bearing/carriage