

Camera

igus® solutions for film and camera technology

plastics for longer life®...igus

technology

... www.igus.eu/camera

Reduce costs ...



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Improve technology and reduce costs with innovative igus® products for film and camera technology

igus® polymer products have been proving themselves for years in many industrial sectors due to the high mechanical strength.

The large modular solution of drylin® linear guide systems is particularly suitable for the construction of camera carriages (slider/dolly). Completely Lubrication free and clean, very lightweight with the use of plastic and aluminium, smooth and quiet movement are just some of the convincing arguments for its use.

In combination with ready-to-install drylin® E linear axes with drive and motor, the igus energy chains and chainflex cables ensure increased reliability even at high speeds and tight bend radii. For professional structures as well as for "Do It Yourself" applications, igus® products can be directly ordered online from stock in 24h and from a quantity of 1.

General advantages of igus® products are:

- **Lubrication free – for the life of the part**
No maintenance, no risk of contamination for the equipment
- **Smooth and quiet operation**
Hardly any running noise from omission of balls and perfectly harmonised polymer materials
- **Wide range of sizes and options**
Suited also for very small installation spaces
- **Lightweight, easy assembly and cost-effective**
With the use of Lubrication free high-performance plastics in plain bearings and energy chains® and anodised aluminium in guide rails
- **Delivered from stock** in 24 h or today

Our online tools also enable you to reduce process costs. igus® delivers from stock in 24-48 hours! Also visit our industry website.

 www.igus.eu/camera

The advantages of the drylin® W CAM Slider are the low weight and the transparent structure with a higher stability at the same time. The carriage length and width can be freely selected and offers a direct adaptation possibility to the camera (here Samsung) through the central ø 10 mm bore.



... improve technology ...

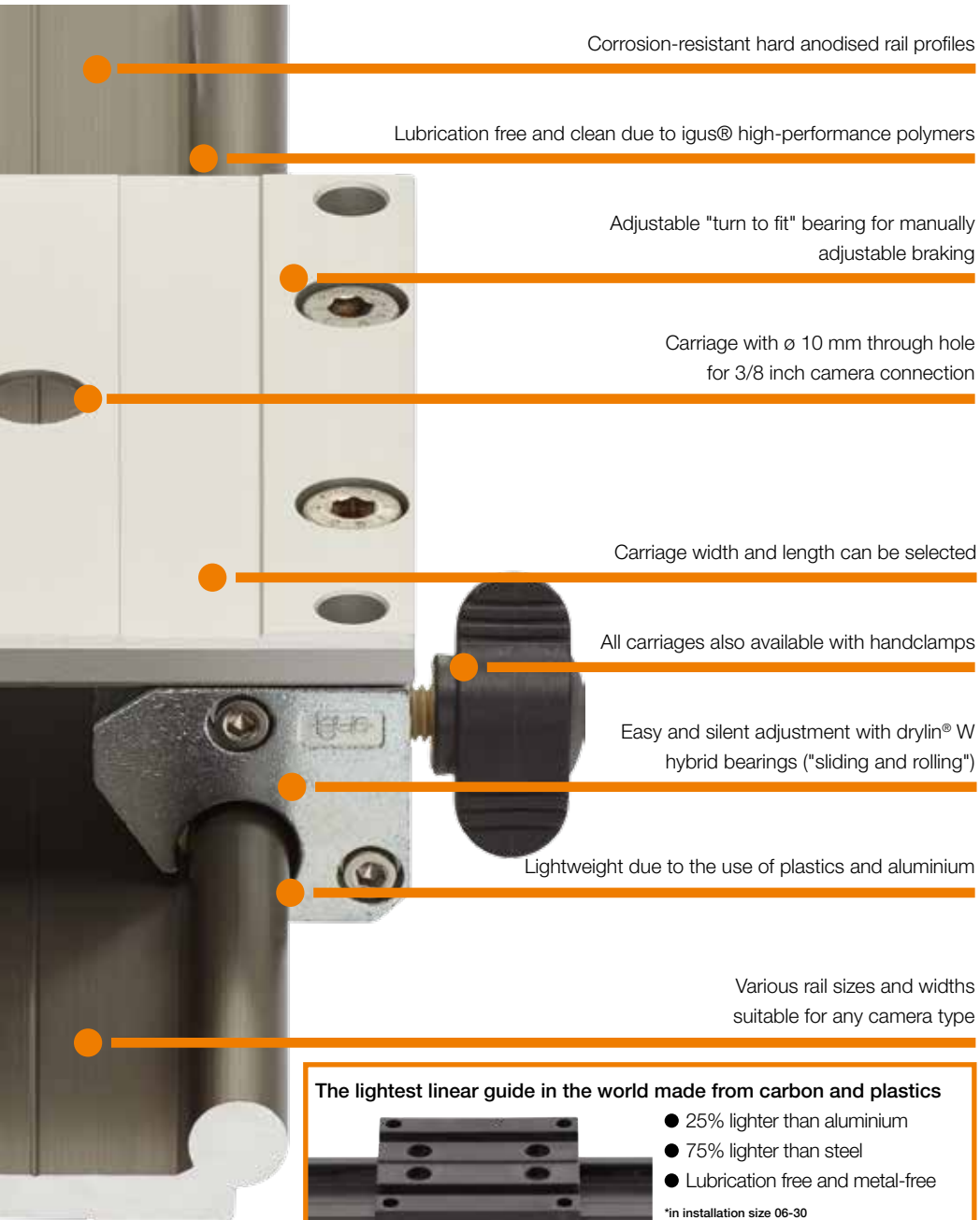


igus® drylin® W as a guide for camera carriage

...with motion plastics® from igus®

igus® solutions ...

Lubrication free, light, quiet, long service life, low cost ...



Corrosion-resistant hard anodised rail profiles

Lubrication free and clean due to igus® high-performance polymers

Adjustable "turn to fit" bearing for manually adjustable braking

Carriage with \varnothing 10 mm through hole for 3/8 inch camera connection

Carriage width and length can be selected

All carriages also available with handclamps

Easy and silent adjustment with drylin® W hybrid bearings ("sliding and rolling")

Lightweight due to the use of plastics and aluminium

Various rail sizes and widths suitable for any camera type

The lightest linear guide in the world made from carbon and plastics



- 25% lighter than aluminium
- 75% lighter than steel
- Lubrication free and metal-free

*in installation size 06-30

www.igus.eu/WSPC

... for camera slider

... the drylin® W linear construction kit



Single, double, high-profile rails, slider rails in fixed lengths with 3/8" threaded holes and option of reduced weight



Housing bearing made of zinc die-casting, aluminium or stainless steel, turn-to-fit function, hybrid bearing ("sliding and rolling"), replaceable multifunctional liners in 5 materials (iglidur® J200, J, X, E7 or A180)



Pre-assembled complete carriage in variable lengths and widths optionally with manual clamp, mono-slide carriage for square guide rails

drylin® W profile guides are a cost-effective system. The design allows extremely high flexibility in the construction and installation thanks to the use of individual or double rails. Hard-anodised aluminium is used as rail material and provides the best friction and wear results. With its dry running lubrication free operation, the profile guide system is extremely resistant to dirt; the cleanliness also makes the system suitable for clean-room and hygiene applications.

- Easy installation, maintenance free
- Resistant to dirt thanks to dry operation
- Lightweight and quiet
- Square rail with floating bearing function for 90 degree installation
- Bearing with manual clearance adjustment available

www.igus.eu/drylinW

Lubrication free ... smooth moving ... consistent filming



drylin® linear technology in camera guides (dolly and slider)

- Diverse modular system, suitable for any type of camera
- No contamination risk without lubrication
- Easy handling and carriage due to the light weight
- Soft panning of the depth of field is particularly easy due to the ideal sliding properties of the system
- Extremely quiet operation
- No deflection by the extremely stiff aluminum profile
- High quality components
- Very low priced and available within 24 hours



For small installation spaces - drylin® N

- Flat guides in 4 sizes ● Low installation heights (6-12 mm) ● Rail widths from 17-80 mm
- Lightweight due to the use of aluminium and plastic

www.igus.eu/drylinN



Efficient and long-lasting – drylin® lead screw drive technology

- Quiet dryspin® high helix thread technology
- Trapezoidal and metric threads ● Lead screw nuts made from 5 iglidur® materials

www.igus.eu/drylinSD



New camera slider with double roller

- Completely pre-assembled carriage ● Light smooth adjustment ● Quiet running ● Lightweight through aluminium and plastic

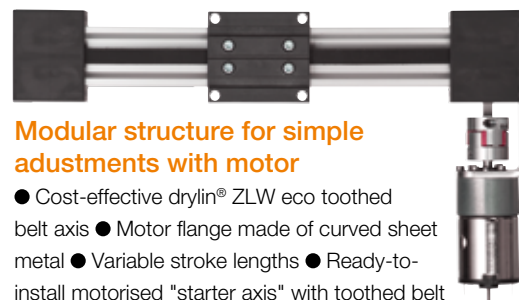
www.igus.eu/drylinWWH



For rotary and pivoting movements – iglidur® plain bearings and slewing ring bearings

- Lubrication free -- for the life of the part ● Largest standard range for lubrication-free plain bearings
- Predictable ● Versatile use

www.igus.eu/iglidur www.igus.eu/prt



Modular structure for simple adjustments with motor

- Cost-effective drylin® ZLW eco toothed belt axis ● Motor flange made of curved sheet metal ● Variable stroke lengths ● Ready-to-install motorised "starter axis" with toothed belt

www.igus.eu/ZLW



Plastic energy supply systems – E6.1 e-chain®

- Extremely low noise operation (from 33 dB(A))
- Low abrasion ● Low vibration ● For maximum accelerations

www.igus.eu/E6-1



Large selection ...

A quantity of 1 from stock: Innovations for image processing



More than 6 million movements in e-chains® with 10 m cable length already successfully tested with FireWire CFBUS.055.



world innovation

CAT7 TPE bus cable for 40 million strokes in e-chains® ... tested & from stock.

igus® offers data solutions from Cat5, Cat5e, Cat6_A up to CAT7. Reliable mechanical durability for long travels, in the machine tool, on the robot or for tensile stress. Successfully tested with clear warranty statement.

www.igus.eu/CFBUS

GigE with chainflex® stays: Proven in Test No. 3089

Bus cable GigE CFBUS.045 withstands more than 76 million strokes in the continuous test

www.igus.eu/test3089

... in tested quality

... for use in energy supply systems



FireWire cable (1394a) for maximum load, oil resistant, flame retardant, resistant to hydrolysis and microbes, outer jacket on TPE base, minimum bending radius: 12.5 x d www.igus.eu/firewire



USB cable 2.0 (TPE) / 3.0 (PVC/PUR) for medium/maximum stressing, shielded, oil-resistant, resistant to organic oils (TPE), PVC/PUR/TPE outer jacket, minimum bending radius: 12.5 x d www.igus.eu/USB



GigE cable for extreme stressing, resistant to oils and organic oils, flame-retardant, outer jacket on TPE base, minimum bending radius: 12.5 x d www.igus.eu/GigE



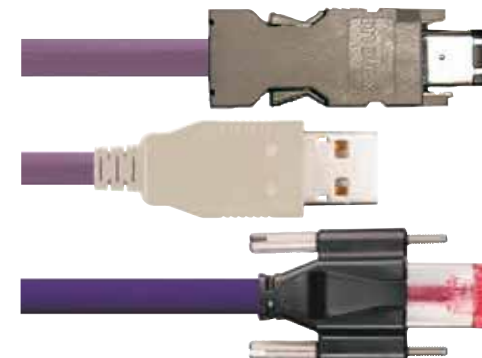
Gradient fibre optic cable for maximum load, oil-resistant, non-metallic, cold flexible down to -40°C, free of PVC and halogen, outer jacket on TPE base, minimum bending radius: 5 x d www.igus.eu/vision



CFROBOT5 fibre optic cables for torsionable stressing, resistant to oils and organic oils, UV-resistant, cold flexible, outer jacket on TPE base, minimum bending radius: 12.5 x d www.igus.eu/CFROBOT5



75 Ω coaxial cable for extreme stressing, resistant to oils and organic oils, UV-resistant, outer jacket on TPE base, minimum bending radius: 10 x d www.igus.eu/CFKoaax



Assembled – Cables and connectors according to your requirements

igus® provides more than 3,200 harnessed cables for drive technology to 22 different manufacturer standards. Professionally produced, 100% tested.

- Servo, motor and signal/encoder cables
- No cutting costs, no surcharges for small quantities and packaging

www.igus.eu/readycable

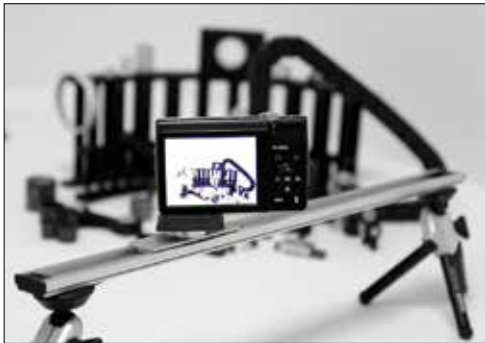
In use ... successfully



This large-format camera works with absolute precision. For the focus, the developers used a drylin®-linear bearing and iglidur® plain bearings from igus®. [Gibellinis Folding Cameras]



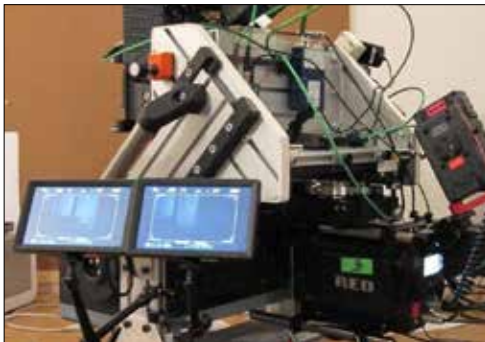
This shutter for photographic cameras works with absolute precision and within just 1.5 ms. This is ensured by iglidur® plain bearings. [Viktor Hasselblad AB]



Camera mount [Ruspro Oy]



Better operation with drylin® WJRM hybrid bearings on an adjustable camera tripod. [GLIDETRACK]



drylin® SLW cross slide and drylin® W linear guides ensure that both cameras can be precisely identically adjusted [Phantom Products]



This camera dolly is very quiet and easy to adjust. The up and down movements of the camera are controlled by four drylin® T linear guides. [SERVICEVISION BIS S.L.]

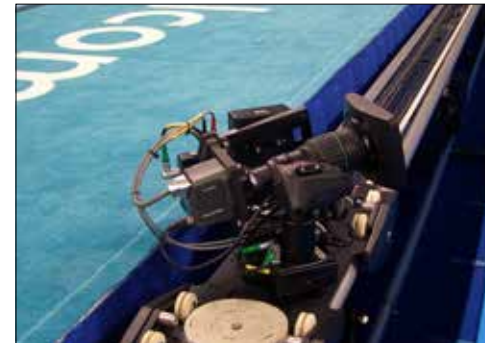
... for film and television



Simple and accurate: Two regular cameras are guided always at an identical distance on drylin® N flat guides. [Genus]



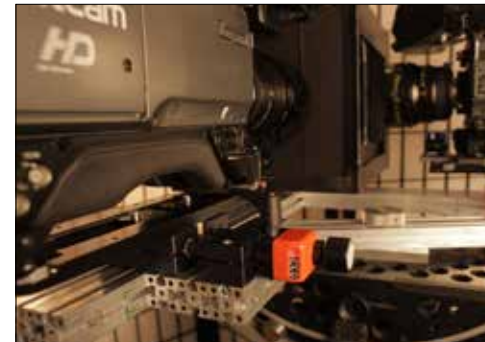
The three casters in the feet of a new-designed camera dolly are each supported with an iglidur® PRT slewing ring bearing. [FilmING]



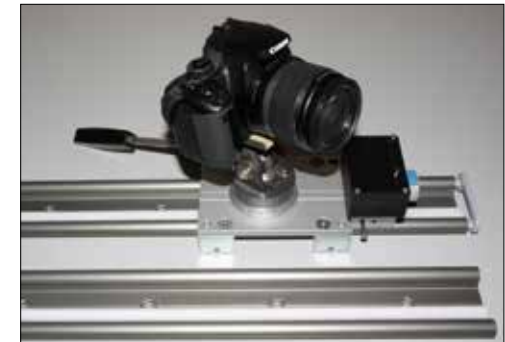
High speed tracking shots are implemented with the low noise, low vibration E6 system e-chains®. [Rail & Tracking Systems GmbH]



Secure guidance through e-chain® series 1400 for motor, feedback and camera cables in high accelerations in crash tests. [FronTone GmbH]



drylin® SHT "complete package" with linear table, clamping, position indicator and hand wheel allows the precise positioning of 3D film cameras. [ECC Stutenbäumer KG]



Essential for filming: The movements on the profile rail are low vibration and low noise. [Astrotech.de]

plastics for longer life® ...



What are the origins of igus®?

Everything began on 15th October 1964 in a double garage in Cologne-Mülheim. During the first 20 years, igus® operated as a supplier for complex plastic components; igus® is now an important supplier for energy motion systems made from plastics and the specialist for polymer plain bearings.

With more than 2,700 employees and a network of 36 subsidiaries and dealers in more than 50 countries, igus® has a global footprint.



Modern economic injection moulding technology

Cost-effective high-tech solutions. Modern injection-moulding technology allows more than 7,000-standard and countless custom components to be manufactured with precision and reliability! Our "7 to 8 + Saturday till 12" service offers you the guarantee of a fast response to the short-term changes in requirement.



The igus® quality assurance

The igus® GmbH quality policy is based on the objective of identifying and meeting customer needs, and of always being a professional partner and reliable supplier. igus® has always been committed to producing products of the best possible quality and consistently developing innovative solutions.



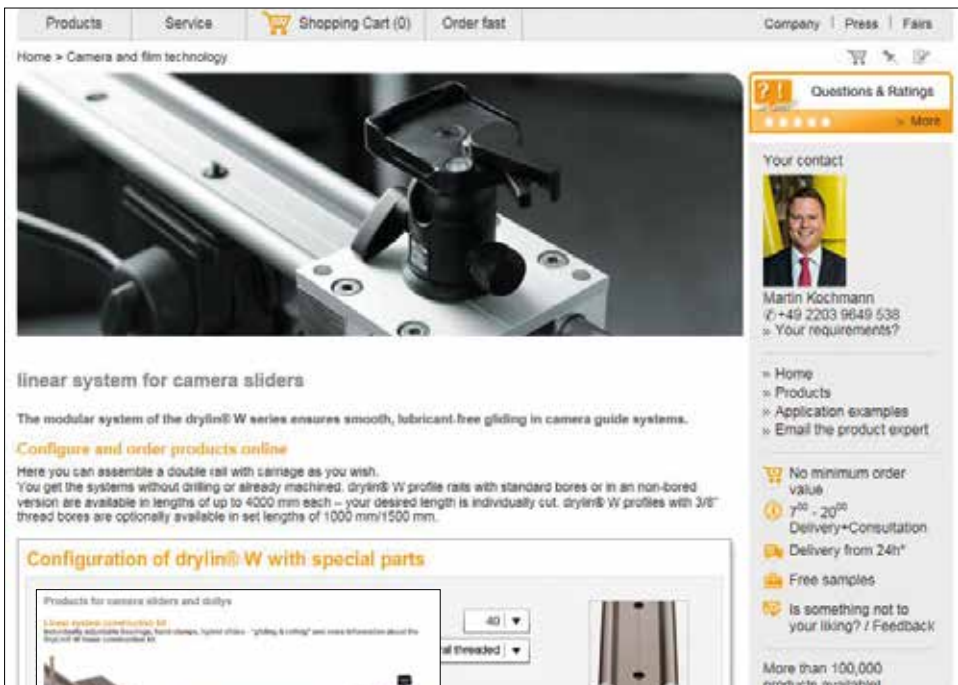
Extensive test database

igus® plain bearings represent the step from plastic bearings to tested and therefore predictable machinery components. What is probably the world's largest database for tribological properties of polymer plain bearings which has been developed from more than 15,000 tests annually. This database allows us to select the bearing with the best price/service life ratio for your specific application.

Better for the environment

Because iglidur® is free of lubricants, no contaminants are discharged to the environment. Even the low weight of iglidur® polymer plain bearings make them ecologically valuable.





www.igus.eu/camera

Our extensive industry website with further information, applications, videos, and product details online.

www.igus.eu/camera-configurator

Configure and order products online

Assemble double rails with carriage according to your requirements. Rails in custom lengths (max. 4000 mm) without bore or machining, profile with 3/8" threaded bores available in fixed lengths 1000 or 1500 mm.



www.igus.eu/online

Reduce process costs ... a selection of our useful online-tools



Expert system for drylin® linear bearings
– system selection & lifetime calculation with CAD
www.igus.eu/drylin-expert



Configurator for the drylin® drive technology
www.igus.eu/quicklin



Lifetime calculator for drylin® lead screw drives
www.igus.eu/screwdrivequick



Lifetime calculator for e-chains@
– unsupported and gliding applications
www.igus.eu/quickchain100



Product finder for short travels
– up to 13 m unsupported applications
www.igus.eu/quickchain13



Expert system for iglidur® plain bearings
– product selection and lifetime calculation
www.igus.eu/igidur-expert

drylin® W rail systems have been repeatedly proven to work as mounting slides for cameras.

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For any task – in any batch size

Different industries need different solutions. Ranging from mechanical engineering, automotive assembly, to the robotics industry - igus® offers customised solutions for specific applications. igus® already has many years of experience and specialised resources in many industries.

www.igus.eu/industry

/9001:2008 /16949:2009

igus® is certified in accordance with ISO 9001:2008 and ISO/TS 16949:2009 in the field of energy supply systems, cables and harnessing, as well as plastic plain bearings.

/newsletter

Free of charge! Discover more about the latest trends and innovations from the world of igus® motion plastics® world. Many exciting applications and videos, even from your industry.

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