

LINROL HD HEAVY-DUTY ROLLERS



LinRol HD heavy-duty rollers from Technische Antriebselemente are the robust and precise solution for demanding linear motion. Where high loads have to be moved reliably, with minimal play and over a long service life, our systems offer the ideal combination of load capacity and running smoothness. Designed for continuous duty in harsh industrial environments, our hardened, precision-manufactured rollers deliver maximum operational reliability and keep the maintenance effort on your equipment to a minimum.



FEATURES

- Designed for highly precise movement of very large loads under demanding environmental conditions
- Rollers with hardened, ground running surface (55-60 HRC)
- Rails with induction-hardened running surfaces (standard 55-60 HRC, optionally 38 HRC)
- Metric roller diameters as standard, imperial versions available on request
- Flexible fastening options for rail mounting



BENEFITS

- High load capacity thanks to integrated tapered roller bearings or special ball bearings - radial and axial load capacity assured
- Robust, break-resistant roller studs allow cantilever mounting
- Dry-running system: no lubrication of the rails required
- Sealed rollers with lifetime lubrication, optionally with relubrication facility
- Maintenance-free in the temperature range from -34 °C to +107 °C
- Available on request: special greases and seals for high-temperature, food-grade or other special applications
- Self-cleaning rail profiles (TTV, TPV) in combination with guide rollers
- Rails available for continuous mounting - please specify when ordering



Available versions:

Support, flange and guide rollers with / without (ec)centric stud

Clamping studs for support, flange and guide rollers without stud

**Any questions?
Get in touch!**

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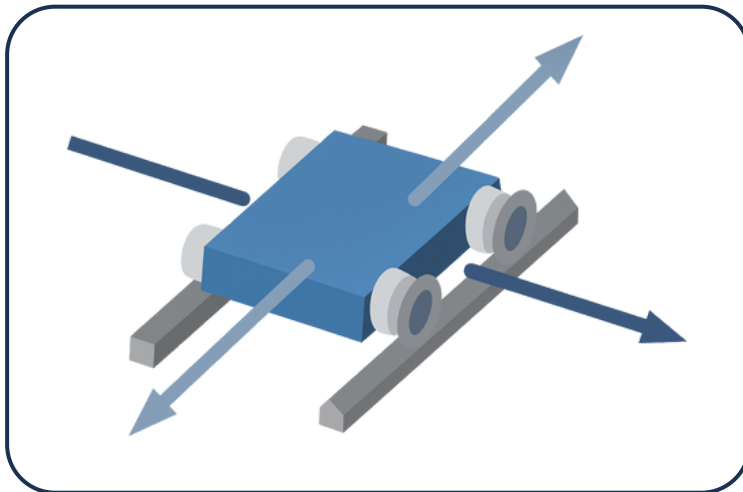
Online shop
www.antriebselemente.shop

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TYPICAL APPLICATIONS

- Long-travel guides with combined locating/non-locating sides: guide rollers on the locating side, support rollers on the non-locating side
- Proven in: gantry cranes, storage and conveying technology, agricultural and steel industry, wood and paper processing, assembly lines, bulk material plants (sand, gravel, crushed stone), waste logistics, amusement parks, lock systems and shipbuilding



SPECIAL VERSIONS

- Rails for continuous mounting with ground end faces
- Rails with special holes to customer drawing
- Stainless steel versions for rails and rollers
- Rollers with imperial dimensions
- Rollers with relubrication option, special seals and lubricants
- Rollers with PUR-coated running surface for reduced-noise operation
- Special rollers: stepped rollers, double-flange rollers, cam rollers
- Systems for extended temperature range (-40 °C to +204 °C) with matching seals and lubrication
- Versions for wet environments with special sealing and relubrication facility



Technical data and drawings are available online!



- ✓ Linear Systems
- ✓ Drive Technology
- ✓ Machine Components

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