



HMR – Linear Drive Driving the future.

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



ENGINEERING YOUR SUCCESS.

ORIGA HMR Electromechanical Linear Actuators



Profile designs

- Basic profile for assembling directly to the machine base
- Reinforced profile for self-supporting assembly



Mounting systems

- Integrated T-slots for attaching from below and from the side



Protection classes

- Without cover: IP20
- With cover: IP54



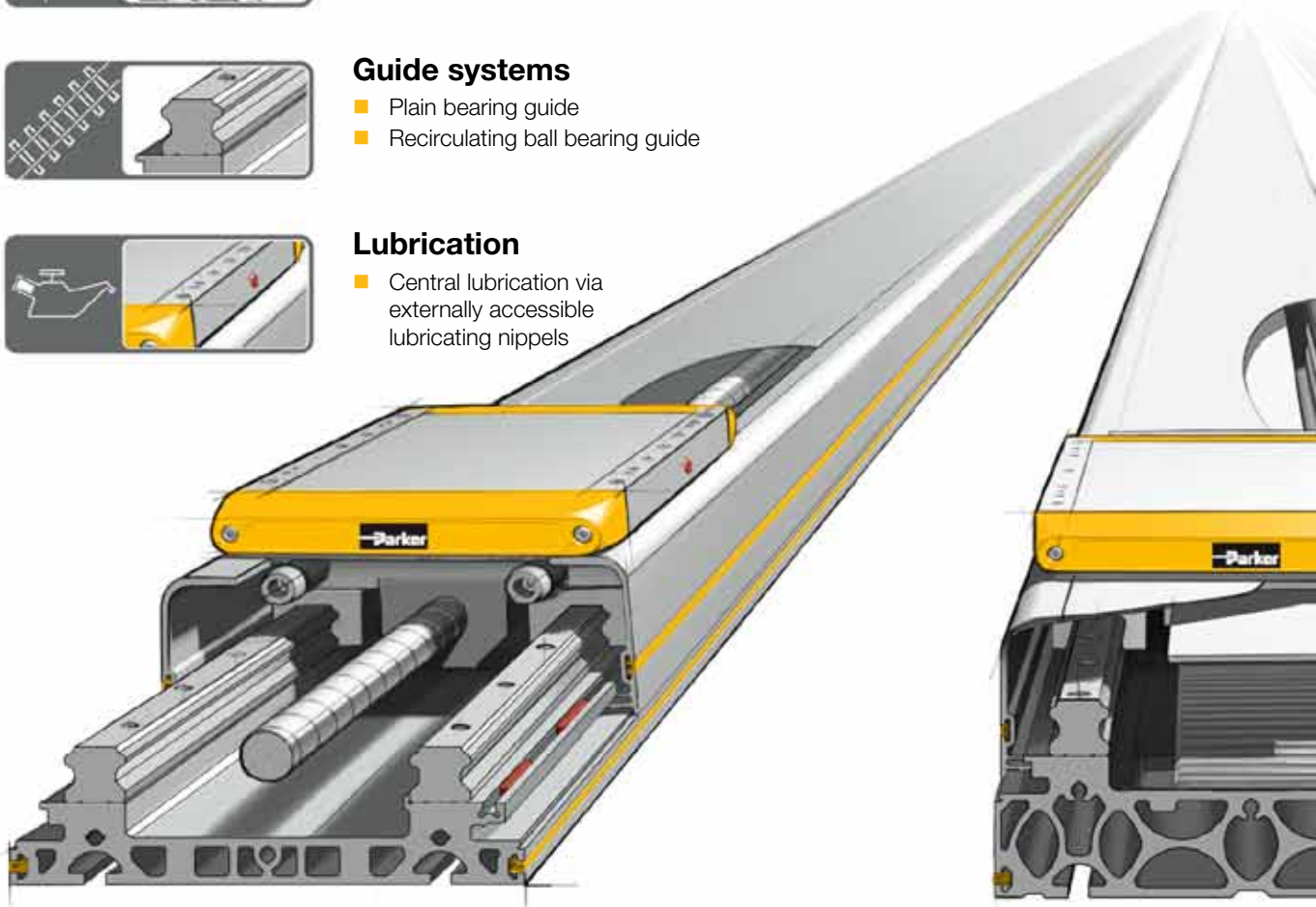
Guide systems

- Plain bearing guide
- Recirculating ball bearing guide



Lubrication

- Central lubrication via externally accessible lubricating nipples



Screw drive

The solution for precise path and position control for medium loads



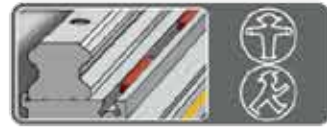
Toothed belt drive

The solution for fast path and position control for medium loads

We drive the future - with screw and toothed belt.

Position sensing

- Integrated, adjustable position switch for end positions and homing



Impact protection

- Integrated shock absorbers for both end positions



Distance measurement

- Contact-free, incremental displacement measuring system



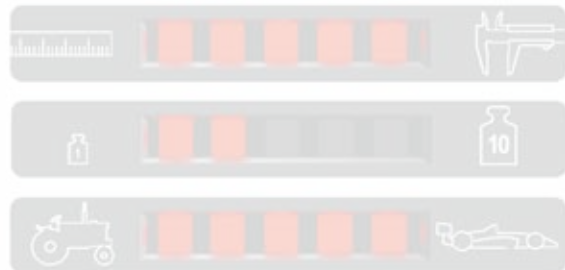
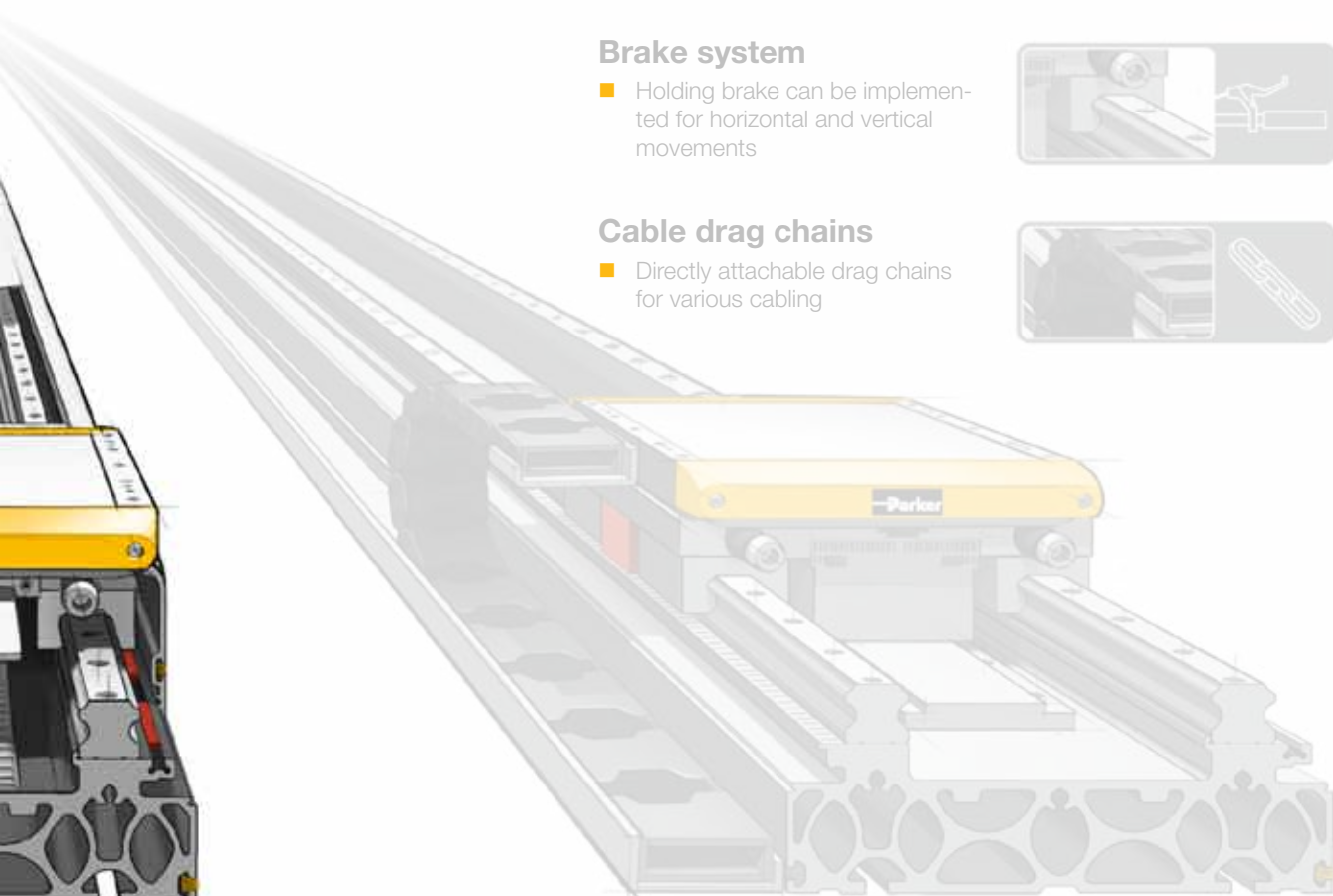
Brake system

- Holding brake can be implemented for horizontal and vertical movements



Cable drag chains

- Directly attachable drag chains for various cabling



Linear drive

The solution for fast travel with the greatest possible dynamics and precision

EL Sizing

The dimensioning programme for electromechanical linear actuators.

Download available at www.parker-origa.com

The screenshot shows the 'EL Sizing: New project.elsi' software interface. It is divided into several sections:

- Engage:**
 - Hauptauswahl:** Hauptauswahl, Belastungsdaten, Bewegungsprofil, Projektdaten
 - Masse:**
 - m [kg]: 5
 - Schwerpunkt:
 - l_x [mm]: 50
 - l_y [mm]: 40
 - l_z [mm]: 25
 - Kraft:**
 - F_x [N]: 1
 - F_y [N]: 2
 - F_z [N]: 2
 - Angriffspunkt:
 - l_x [mm]: 150
 - l_y [mm]: 70
 - l_z [mm]: 90
 - Externe Führung:**
 - Externe Führung verwenden
 - l_x [mm]: 0
 - F_{ext} : 0
- Auswahl:**
 - Buttons: Aktualisieren, Antrieb / Führung, Motor / Getriebe, Produktübersicht
 - Antriebstyp:**
 - Alle
 - Zahnriemen
 - Spindel
 - Table:**

Nr.	Antrieb	Führung
1	OSP-E325B-5	-
2	OSP-E325B-10	-
3	OSP-E505B-5	-
4	OSP-E505B-10	-
5	OSP-E505B-25	-
6	OSP-E325T	-
7	OSP-E505T	-
8	OSP-E255B-5	SL 25
9	OSP-E255B-5	PS 25/25
10	OSP-E255B-5	PS 25/35
11	OSP-E255B-5	PS 25/44
 - Summary:**
 - Antrieb: Linearantrieb mit Kugelgewindespindel und interner Gleitführung OSP-E325B-5
 - Führung: -
 - Summe kombinierter Belastungen: 47%
 - Maximales Antriebsmoment [Nm]: 0,229
 - Auslastung Antriebsmoment: 15%
 - Laufeistung Führung [Nm]: -

