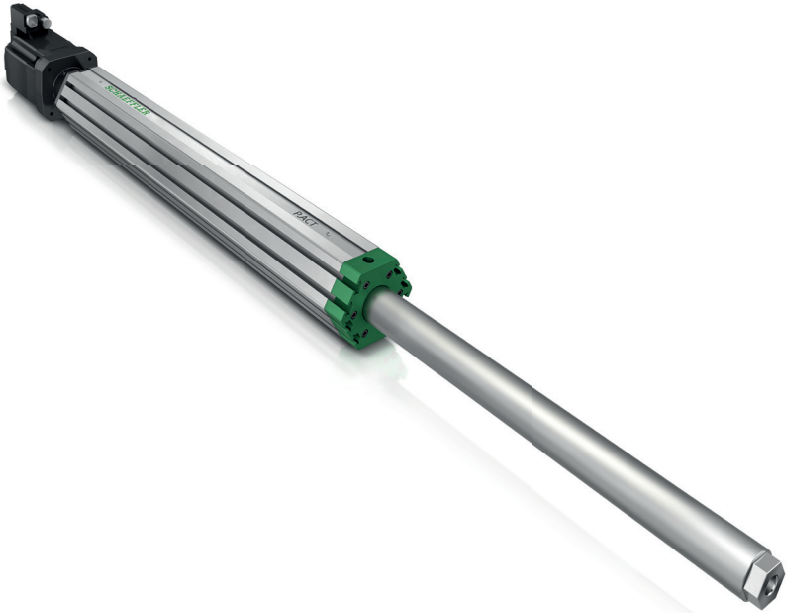
Linear technology
Industry 4.0

SCHAEFFLER



P.ACT linear actuators

Schaeffler system platform

P.ACT linear actuators with outstanding power density

The P.ACT linear actuator series offers the perfect platform for every customer requirement.
Three basic sizes are available for the performance classes used in many industrial applications.

High-quality Schaeffler components matched to the application ensure the highest levels of power density when used as a high-performance force actuator or as a precise positioning system.

Optional adjustments required by customers can be implemented in just a short space of time thanks to the Schaeffler system platform.

In this way, ball screw drives can also be used for higher speeds, for example.
Please contact us directly in this regard.

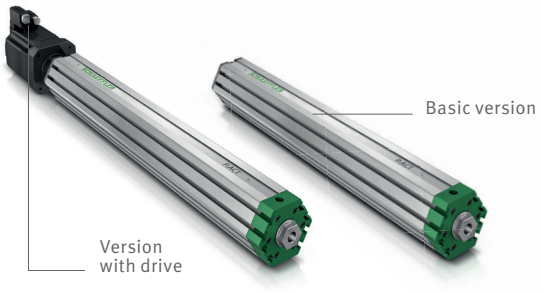
Customer benefits

- Can be flexibly configured to meet customer-specific requirements
- Downsizing possible compared with conventional linear actuators
- Highest level of installation flexibility along the entire actuator length
- Significantly improved energy balance compared to hydraulic and pneumatic systems

Technical advantages

- Very high power density
- Schaeffler system platform for individual customization
- Robust and rigid hexagon
- T-slots in the housing along the entire actuator length
- High-performance Schaeffler components (e. g. PWG screw drive and ZKLF spindle bearing support)

Extension stages for P.ACT



High performance, small design envelope

P.ACT linear actuator series



P.ACT linear actuators		ACT09		ACT15			ACT25		
total length [1] [mm]		395	495	449	599	749	738	1.188	1.588
max. stroke [mm]		100	200	150	300	450	400	800	1.200
max. force [kN]		15	9	34	34	15	43	43	21
max. continuous force [kN]		5.3	5.3	11.3	11.3	11.3	14.3	14.3	14.3
dyn. load carrying capacity C_{dyn} [kN]		16	16	34	34	34	43	43	43
max. speed [m/min]		5	5	5	5	5	2.6	2.6	2.2
cross-section [mm]	a	100	100	110	110	110	120	120	120
	b	110	110	122	122	122	133	133	133

[1] basic length without drive

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Issued: 2020, August

OLP / US-D / 202008 / pdf only