

For any performance, speed, and working load:
Power and reliability for overhead trolley systems

Drives for overhead trolley systems



We have the right drive for each load

An overhead trolley system is a variable and efficient means of transport offering high productivity. For this reason, the gearmotors used must offer a high degree of flexibility and reliability in order for the overall system to meet the requirements of the extremely wide range of transport tasks. Drives by SEW-EURODRIVE for overhead trolley systems are optimally graded in nine sizes with torque adjusted to each application to realize any transport power, transport speed, and working load.

Other advantages:

- permit high transverse force levels for maximum working loads
- save energy thanks to motors in efficiency class eff2 and eff1 and gear units with a high level of efficiency
- brake with reliable disk brakes for stopping accurately time after time
- are fully suited to operating with an inverter because only high-quality winding wires and insulating materials are used
- can be combined with many options from the range of SEW-EURODRIVE modular units



Drives for overhead trolley systems in the automotive industry

Flexible, absolutely reliable and very quiet

Drives for the light-load range are very quiet and comply with the standards of the C1 guideline (VDI RL-3643). They operate with a reliable clutch and are

- low-maintenance; the HW30 comes with lubrication for life and thus offers high levels of serviceability and productivity
- smooth running for operation without vibration
- low-noise for use in skilled operative workstations
- compact with a space-saving design



Light load:
SPIROPLAN® gear unit
HW30

Light load

Type	Max. torque [Nm]	Permitted wheel load [N]	Speed * [m/min]	Ratios	Shaft d x l [mm]
SPIROPLAN® gear unit HW30	70	5,600	7.3 ... 67	8.2 ... 75	20 x 35
Helical-worm gear unit HS40	130	6,500	2.7 ... 75	7.28 ... 201	20 x 35

* With wheel diameter 125 mm and $n_1 = 1,400$ rpm

High-capacity and absolutely reliable operation with high working loads

Especially in the so-called heavy-duty range, the trend goes to ever higher permitted working loads. SEW-EURODRIVE has expanded its product series due to the better efficiency of helical-bevel gear units compared to helical-worm gear units. Particularly in conjunction with MOVITRANS®, the system for contactless power transmission, the low energy demand is of great advantage and allows for even more cost-effective plant operation.

All sizes

- are suitable for maximum loading, with wheel loads up to 40,000 N
- have closely spaced gear ratios for precise adaptation of the movement speed
- can be obtained with an integrated MOVIMOT® inverter as an option or with MOVI-SWITCH®, the integrated switching and protective feature

Heavy load:
Helical-bevel gear unit
HK60



Heavy load

Helical-worm gear unit / type	Max. torque [Nm]	Permitted wheel load [N]	Speed * [m/min]	Ratios	Shaft d x l [mm]
HS41	185	10,000	4.4 ... 120	7.28 ... 201	25 x 35
HS50	300	18,500	4.4 ... 120	7.28 ... 201	30 x 60 / 35 x 70
HS60	600	25,000	4.1 ... 116	7.56 ... 217.41	45 x 90
Helical-bevel gear unit / type	Max. torque [Nm]	Permitted wheel load [N]	Speed * [m/min]	Ratios	Shaft d x l [mm]
HK30	200	10,000	8.3 ... 68	13.1 ... 106.38	25 x 35
HK40	400	18,500	6.7 ... 72	12.2 ... 131.87	30 x 60 / 35 x 70
HK50	600	25,000	6.1 ... 66	13.25 ... 145.14	45 x 90
HK60	820	40,000	6.1 ... 66	13.22 ... 144.79	55 x 110

* With wheel diameter 200 mm and $n_1 = 1,400$ rpm

Driving the world – with innovative drive solutions for all branches of industry and for every application. Products and systems from SEW-EURODRIVE for any application – worldwide. SEW-EURODRIVE products can be found in a variety of industries, e.g. automotive, building materials, food and beverage as well as metal-processing. The decision to use drive technology “made by SEW-EURODRIVE” stands for safety regarding functionality and investment.



Helical-bevel gear unit HK30
with carrying wheel





How to drive the world

With people who think right faster and develop the future with you.

With a service network that is always close at hand around the world.

With drives and controls that automatically improve your work performance.

With a comprehensive knowledge in the most important branches of industry today.

With uncompromising quality whose high standards will simplify daily operations.



SEW-EURODRIVE
Driving the world

With a global presence for quick and convincing solution. Anywhere.

With innovative ideas that offers a solution for tomorrow's problems today.

With an Internet presence that is available around the clock and offers information as well as software updates.

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