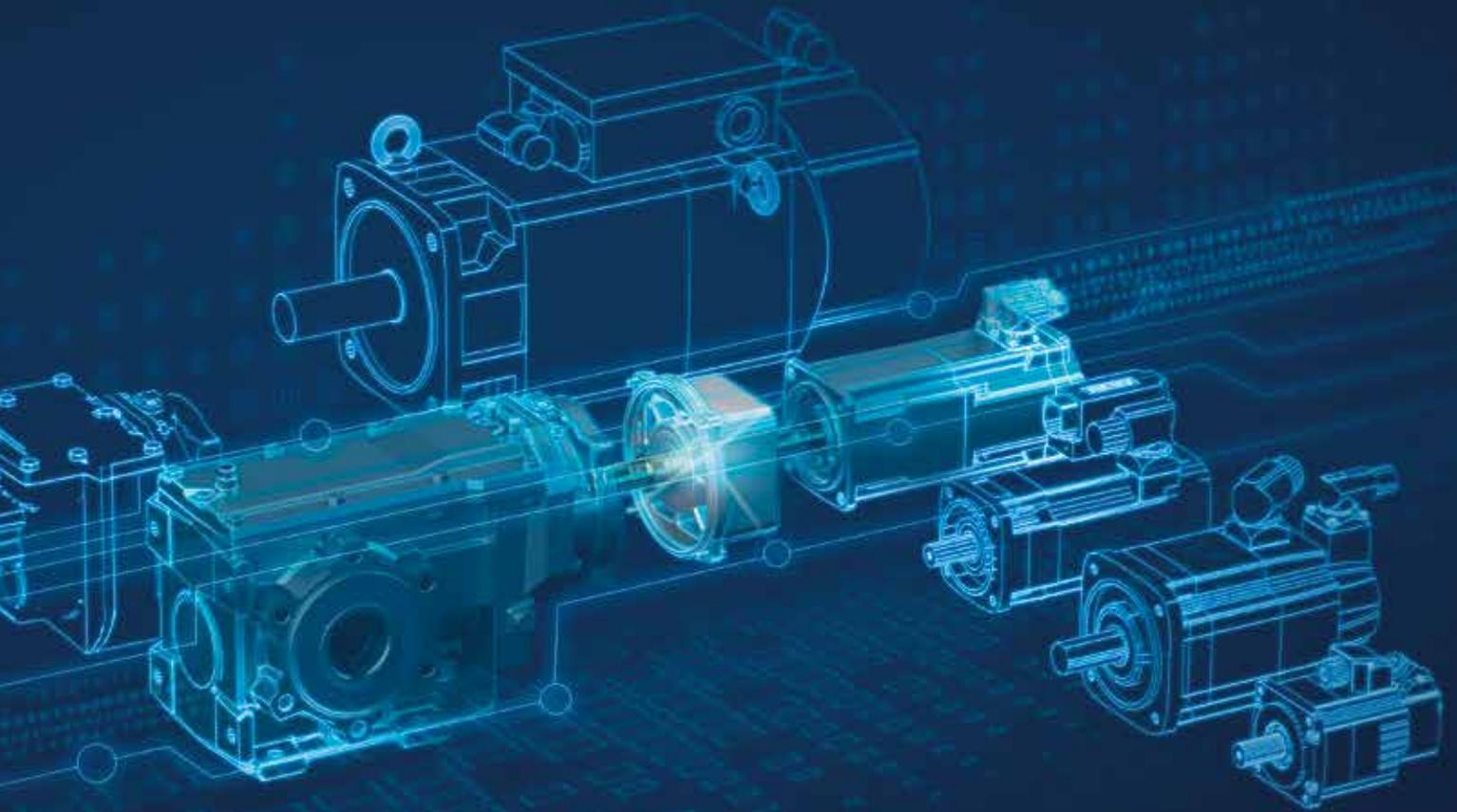


**SIEMENS**

*Ingenuity for life*



## SIMOGEAR KS adapter

Simplified handling for high-precision  
motion control applications

[usa.siemens.com/simogear](http://usa.siemens.com/simogear)

# Simply combinable—one for all

With the KS adapter, it's possible to combine five types of SIMOTICS servomotors and four types of SIMOGEAR gear units.

Siemens expands its portfolio of servo geared systems when offering a new coupling adapter especially designed for SIMOTICS servomotors—it's called the SIMOGEAR KS adapter. It's a flexible solution which enables connectivity to the various SIMOGEAR gear unit types with defined SIMOTICS servomotors. The KS adapter is both adaptable and compact.

This new solution enables you to link different gear unit types to various SIMOTICS servomotors rather than using a separate dedicated adapter for each motor, so it radically simplifies handling.

## **SIMOGEAR KS adapter**

The benefits of this new adapter solution include shorter downtimes and lower costs thanks to simple installation and removal, optimized stock keeping and a backlash-free design enabling connectivity with no feather key as standard for high-precision applications. The solution is particularly suited for use in applications involving stringent demands in terms of precision, positioning, dynamics, compactness and weight.

Thanks to all of these benefits, Siemens is widening the offering for the servo drive systems market.

### **The KS adapter offers the following benefits:**

- ✓ Easy installation—fast and simple mounting and removal of the motor on the gearbox reduces the standstill times and costs
- ✓ Wider compatibility—additional cost-savings thanks to optimized spare part stock—one flexible adapter that can be used with different servomotors
- ✓ Shorter design—backlash-free design with no feather key as standard for high-precision motion control applications



## KS adapter

The new coupling adapter is used to link several different types of SIMOTICS servomotors together with SIMOGEAR gear units.

### Application types

Industries that benefit from the connection of SIMOGEAR gearboxes with SIMOTICS servomotors with the KS adapter include machine building, printing and conveyor systems. It's also used by manufacturers of production and packaging machines and can be found in machine tool applications and storage and retrieval systems.

This coupling adapter is used in food and beverage for drives found in box assembly machines, particularly in printing machines where they're used in auxiliary drives for winders and inking units. The coupling can also be found on actuators and knuckle-joint drives found in injection molding machines, and it can also be utilized in logistics for hoists, travel and fork drives, plus mechanical switches and insertion elements in positioning belts.

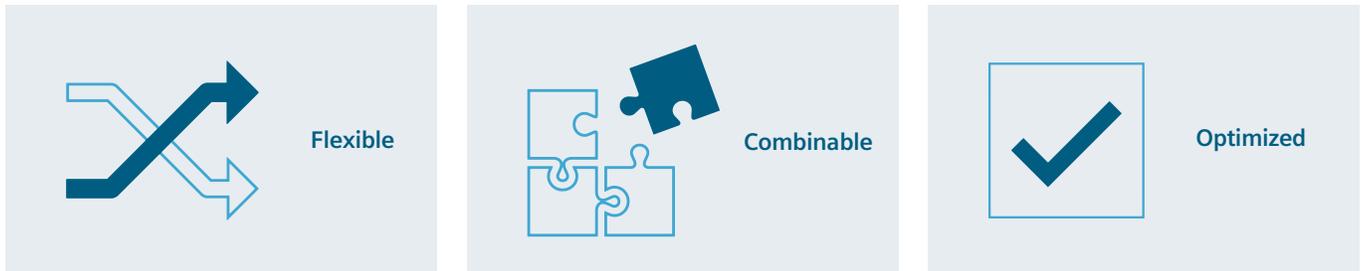




# Make the most of our complete solutions

The KS adapter is the preferred solution available to connect to various servomotors within the different functional performance and price segments, from standard ones through mid-range level to high-end types. The KS adapter is being offered in six sizes and was developed for precise operations.

There are four types of gearboxes available to connect with the KS adapter—parallel shaft, helical, bevel and helical worm. Which means, for every application, it's possible to find the right gearbox. The KS adapter is mounted on a gearbox as standard and can be easily assembled with the selected SIMOTICS servomotor. When combined with servomotors, it provides the highest energy efficiency and high dynamic performance with precise motion sequences and is perfectly adapted to serve every drive task.



## Easy-to-use system components

The KS adapter ensures a smooth handling solution. With its compact size and even shorter design compared to the KQ adapter, the total size of the entire package is reduced. With only one adapter, Siemens reduces the number of variants offered for servomotors and makes the result even more simple and easy-to-use.

The KS adapter offers backlash-free coupling without feather key, which enables high accuracy for positioning applications. It provides the complete all-in-one package for customer applications with user-friendly installation—made possible by connecting the KS adapter to the gearbox and servomotor, with speed control via a matching variable frequency drive. This solution is able to serve almost every type of motion control task and performs as the optimum solution for many customer requirements, which do not need planetary gearing.

# Technical data

SIMOTICS servomotors possible to connect with KS adapter	
	SIMOTICS S-1FL6
	SIMOTICS S-1FK2
	SIMOTICS S-1FT7
	SIMOTICS S-1FK7
	SIMOTICS M-1PH8

Gearboxes possible to connect with KS adapter*	
	Parallel shaft
	Helical
	Bevel
	Helical worm

<b>Installation</b>	Easy installation directly on the motor (with no feather key); easy motor change
<b>KS adapter is available in sizes</b>	03, 04, 05, 06, 08, 10
<b>Compact design</b>	KS adapter up to 35% shorter compared to former SIMOTICS S-1FK7 servomotor KQ adapter solution
<b>Ambient temperatures</b>	-40 °C ... +60 °C
<b>Max. input speed</b>	KS adapter can be used for input speeds up to 4,500 rpm
<b>Material</b>	<ul style="list-style-type: none"> <li>▪ Sizes 03–05: aluminium</li> <li>▪ Sizes 06–10: cast iron</li> </ul>
<b>Configuration</b>	KS adapter is included in Drive Technology (DT) Configurator

\* The KS adapter is supplied mounted on the gearbox as standard.

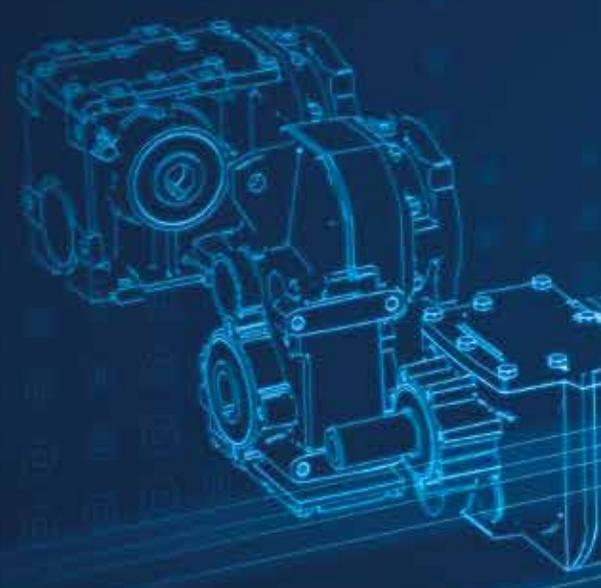
The KS adapter provides a solution for parallel shaft, helical, bevel or helical worm gearboxes

	SIMOTICS S-1FL6	SIMOTICS S-1FK2	SIMOTICS S-1FT7	SIMOTICS S-1FK7	SIMOTICS M-1PH8
Servomotor					
Drive system					
	SINAMICS V90	SINAMICS S210	SINAMICS S120		



SIMOGEAR KS adapter is included in the DT Configurator

Learn more  
[siemens.com/dt-configurator](https://www.siemens.com/dt-configurator)



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