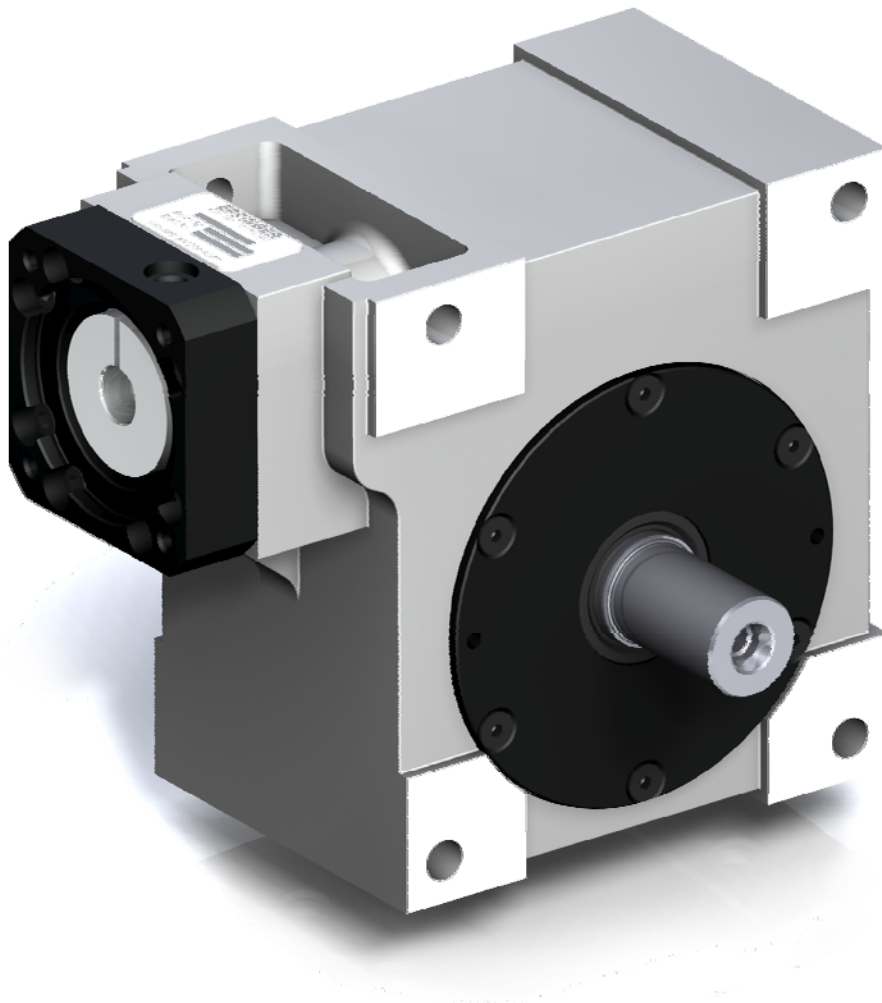


**NEW**

# SHT-Gearbox

## Hypoid-Helical Gearbox

High ratios from 20:1 up to 60:1  
with high energy efficiency



Cycloidal gear boxes



Planetary gear boxes



Bevel gear boxes



Planetary bevel gear boxes



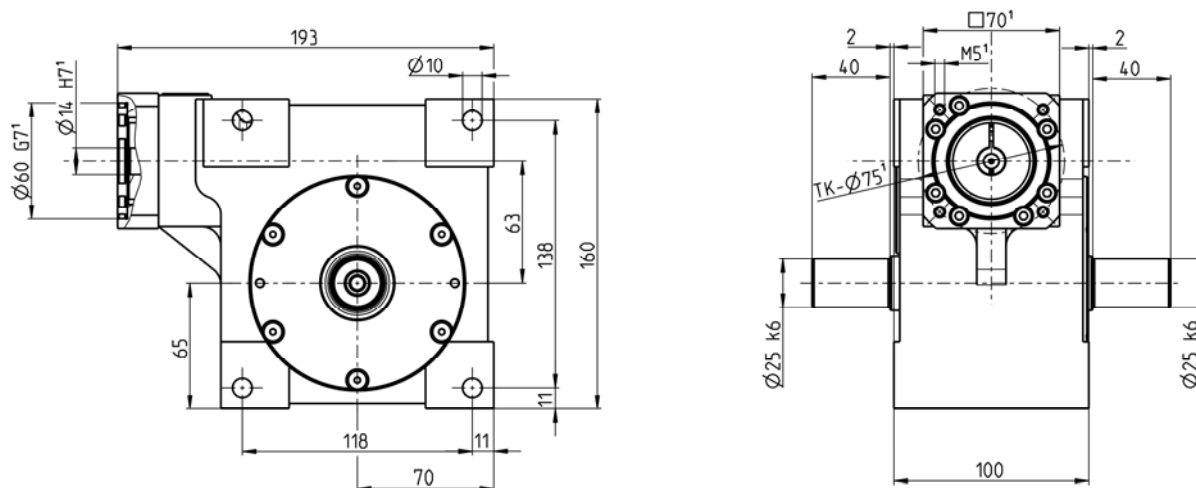
Hypoid gear boxes



Gear technology

High ratio two-stage gearbox in a compact and universal design. The hypoid input stage in various ratio is specially designed for smooth running and high efficiency. High power density and smallest backlash values, in combination with the output helical gear stage, are achievable.

## Dimensions SHT050



<sup>1</sup> Motor specific flanges and shaft couplings are available for all common servo and stepper motors

## Performance data

	Symbol	Unit	SHT050			
Ratio <sup>2</sup>	i		20:1	28:1	40:1	60:1
Nominal output torque <sup>3</sup>	T2N	Nm	120	120	100	70
Max. input speed	n1N	rpm	8000			
Efficiency at full load	$\eta$	%	>96			>92
Backlash - standard <sup>4</sup>	jt	arcmin	<7			
Backlash - minimized <sup>4</sup>	jt	arcmin	<2			
Service life	Lh	h	> 20.000			
Lubrication			Synthetic Oil, ISO VG 150			
Weight		kg	7,2			

<sup>2</sup> other ratios available on request

<sup>3</sup> the thermal power limit must be observed

<sup>4</sup> based on the output shaft

## Features and Benefits:

- Efficiency up to over 96%
- High ratios available
- Compact design
- Constantly maintaining backlash
- Flexible motor interface
- Hollow and solid shaft design
- Universal mounting



**EPPINGER**   
PRECISION GEAR SOLUTIONS