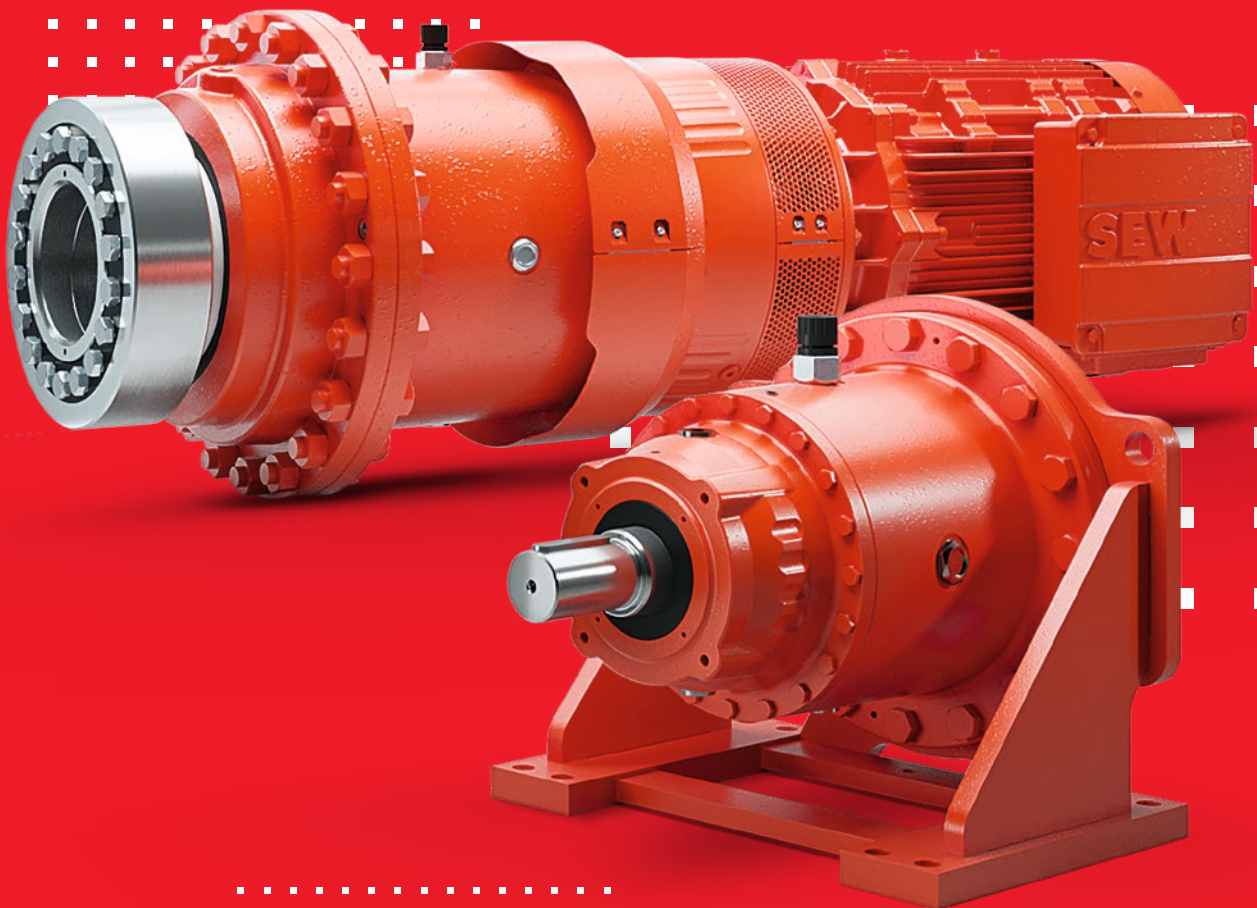


# Generation P2.e

The new planetary gear unit  
**Powerful, durable, flexible**



**P2<sub>e</sub>**

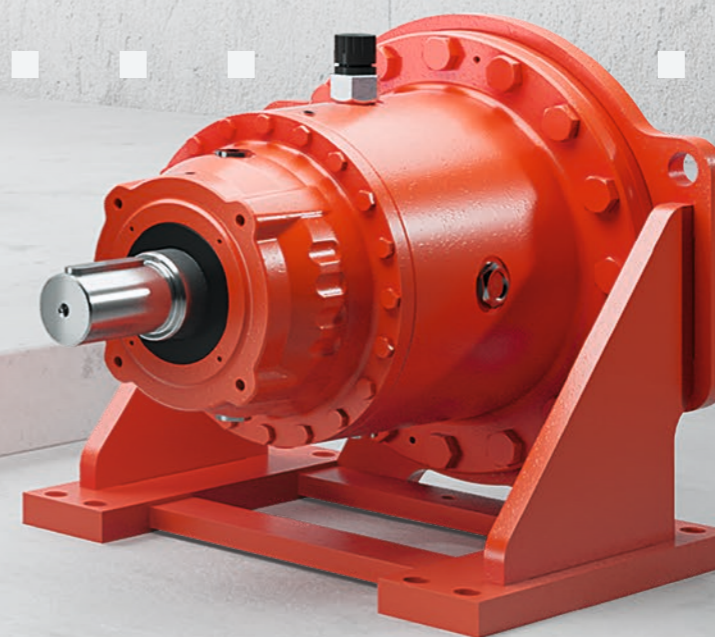
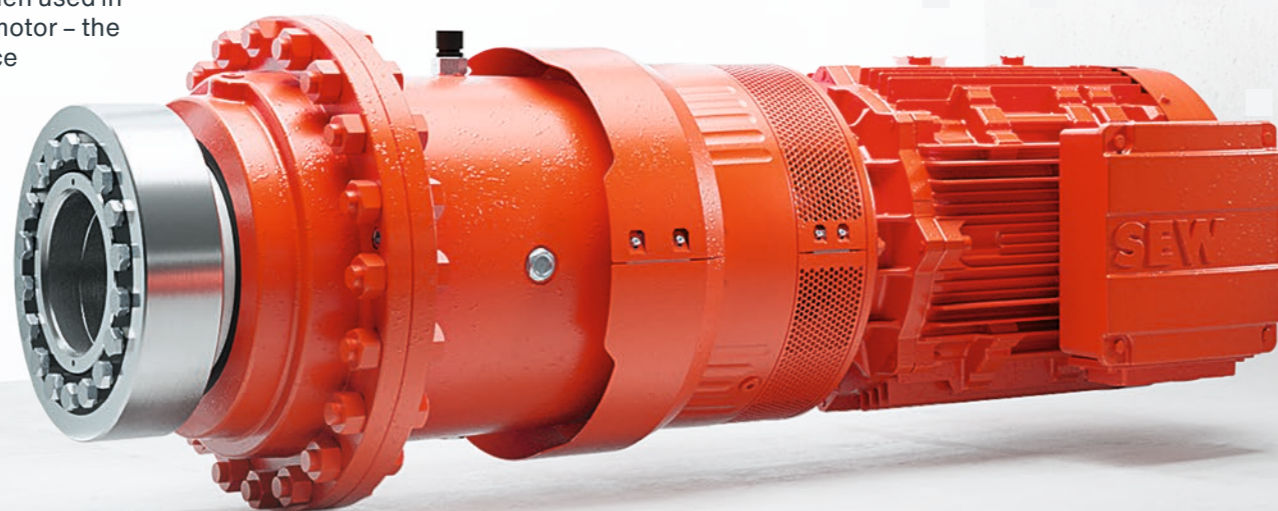
# Compact, powerful industrial planetary gear units

## The new P2.e generation

A compact build, high torque, and a high thermal rating – these are the key features of the new P2.e generation of planetary gear units with innovative enveloping-airflow cooling and direct motor mounting.

The new drives are an integral part of our wide-ranging drive technology portfolio comprising motors, gear units, frequency inverters, and control technology – and they are also a key component when planning drives.

Motors from SEW EURODRIVE can be mounted directly onto the planetary gear unit. When used in this configuration – as a planetary gearmotor – the P2.e offers finely graduated performance and torque classes, along with a broad range of options such as encoders and brakes.



→ **The coaxial planetary gear units of the P2.e generation** are available in two-stage and three-stage design

## Your benefits

### Maximum efficiency

The new enveloping-airflow cooling system provides a very high thermal rating. As a result, the P2.e generation can also be used without any additional external cooling.

### Durable

Together, the planet gears tried-and-tested, durable gearing and innovative direct bearing with no outer ring deliver a long service life and excellent operational reliability.

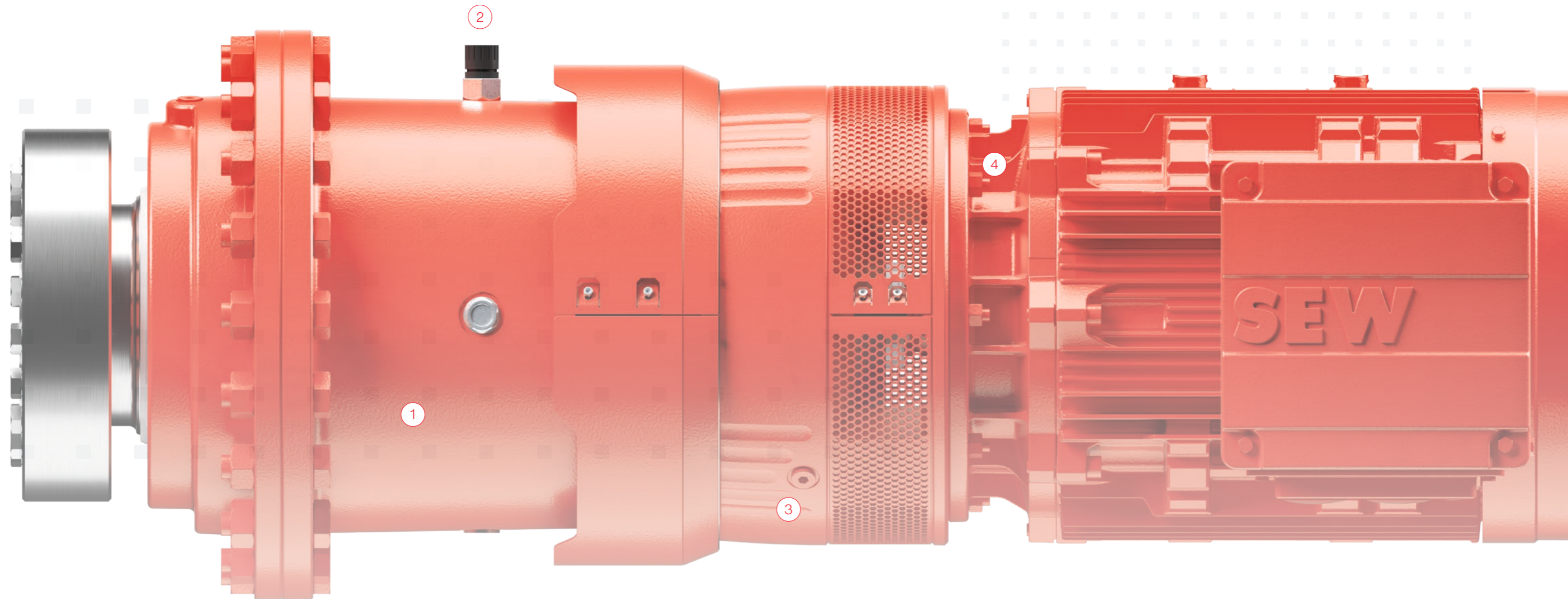
### Flexible

A wide range of applications can be covered when combining the gear units with the modular system of motors from SEW-EURODRIVE. What's more, the large number of input- and output-side options offers excellent flexibility when designing equipment.

Gear unit variant	Stages	Gear ratio <i>i</i>	Rated Torque	
			lb-in	kNm
P.002e – P. 052e	2 – 3	15.2 – 332	220,000 - 1,100,000	24.8 – 124

## Planetary gear unit

### Generation P2.e



①

#### Direct bearing arrangement

With a direct bearing arrangement and no outer ring, the new full complement cylindrical roller bearing offers the optimum combination of bearing service life and compactness.

②

#### Wide gear ratio range

The large gear ratio range of  $i = 15.2$  to 332 enables all kinds of possible applications.

③

#### Direct motor mounting with integrated fan

The new fan concept gives generation P2.e a “best-in-class” thermal rating.

④

#### Variable motor interfaces

A variety of options – such as direct mounting of SEW-EURODRIVE motors, input shaft assemblies, or IEC motor adapters – ensures excellent flexibility.



# Driving the world.

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Learn more about  
the P2.e gear unit



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