

SIEMENS



Always the right gear unit

FLENDER: the most comprehensive gear program in the world

[siemens.com/gearunits](https://www.siemens.com/gearunits)

Solutions for many applications

Modern drive solutions must be absolutely reliable; they must withstand the most varied influences and reach the highest efficiencies. When these requirements are met, high plant availability and low product life cycle costs can be guaranteed. With the FLENDER® gear units, Siemens offers you the widest industrial gear unit range worldwide. It comprises standard gear units as well as application-related and customer-specific gear units and thus meets all requirements made on power transmission equipment in the industry and in primary production.



From universal ...

Always right: FLENDER gear units

The possibilities offered by our gear units will convince you. Our powerful standard gear units can be universally used in many fields of application. Our application-related gear units are highly specialized and standardized designs for particular industry sectors. Over 200,000 drives and more than 110 years of experience furnish proof of our expertise.

From the standard gear unit to the custom-made solution

With our standard and application-related gear units, you benefit above all from the excellent price-performance ratio, the first-class quality and the short delivery times. And convince yourself of the advantages you can gain from our expertise in customer-specific solutions. We have the right solution for every drive application and design new products you will not find in our brochures – custom-made, developed with expertise, and of high quality.



At Siemens, highly specialized knowledge is the basis of consultancy, engineering, product quality and service.



... to specific ones.

The universal solution – FLENDER standard gear units



The standard gear unit range was developed for the application in almost all fields of mechanical power transmission technology. Price, performance, availability – everything of this product range is special, especially its universality.

Multiplicity and flexibility

Whether helical or bevel-helical gear unit – thanks to the different assembly options of our standard gear units the series offers you an almost unlimited variety of designs in a torque range from 2,300 to 1,400,000 Nm. Simply select the gear unit suitable for your drive and benefit from the advantages offered to you by our standard range.

The compact design of the gear units and the option of horizontal or vertical mounting position enable you to mount on auxiliary components and thus give maximum flexibility in the design of your plant.

Low life cycle costs

Owing to their optimum efficiency and low power-weight ratio our standard gear units promise high energy efficiency. First-class quality and proven technology guarantee low life cycle costs.

Compact, strong, fast – our powerful standard units are available worldwide. Because of their modularity the sophisticated standard gear units can be used in many industries.





Examples of application:

- Belt conveyor drives
- Bucket elevator drives
- Agitator drives
- Hoisting gear drives
- Travelling gear drives
- Paper machine drives
- Dryer drives
- Water screw drives

Your benefits:

- Short delivery times
- Fast availability worldwide even of spare parts
- Attractive price-performance ratio
- High operational reliability with high power capacity
- Mainly non-contacting and wear-resistant labyrinth seals are possible
- Flanged output shafts for easy gear unit installation

Our range of variants

		
	Helical gear units single- to four-stage	Bevel-helical gear units two- to four-stage
Sizes	3 to 28	4 to 28
Nominal power ratings	up to 10,515 kW	up to 5,890 kW
Nominal output torques	up to 1,400 kNm	up to 1,400 kNm
Nominal actual ratios	1.25 to 450	5 to 400
Mounting positions	horizontal and vertical	

The particular solution – application-specific FLENDER gear units



Why design a special gear unit when the solution has already been found? The FLENDER gear unit series also comprises a wide range of application-specific gear units. These economical, tried and tested solutions have been standardized in a special range. The main add-on pieces required for the special application are already included in the scope of delivery.

Extensive knowledge also of your industry

Every industry has its own requirements and needs specific solutions and specialist advice. Siemens is the partner of the industries, knows the customers and their markets, and offers products that have been standardized already for many application-specific demands. Thanks to the modular system by FLENDER many reliable, long-life, special drive solutions can be realized. The resulting added value creates new market opportunities for you, as the solutions proven in practice ensure cost cutting and more competitiveness.

High availability

The modularity of the entire product range permits comparably short delivery times. The special designs and the main specific add-on pieces for particular applications have been fully standardized so that the adapting of a gear unit to the customer's requirements has no influence on the delivery time. Set us the task! We have the right solution.



We offer standardized application-specific solutions for the following industries:

- Chemicals and environment
- Materials handling
- Crane technology
- Plastics and rubber
- Oil and gas
- Paper
- Railway vehicles
- Shipbuilding
- Rolling mill technique
- Cement, coal and ore
- Sugar

Your benefits:

- Complete solution
- More economical than special solution
- Fast availability worldwide
- High power capacity
- Good quality
- Modular system

Furthermore, we offer you custom-made drive solutions:

If you cannot find the right product for your drive among the standard and application-specific gear units, our specialists will gladly develop a solution in cooperation with you to meet your special requirements.



**More flexibility and performance
for your applications:**

**The new FLENDER SIG standard gear
series from Siemens is the ideal uni-
versal solution for your drive tasks –
today and tomorrow**

Further information

FLENDER gear units:
www.siemens.com/gearunits

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