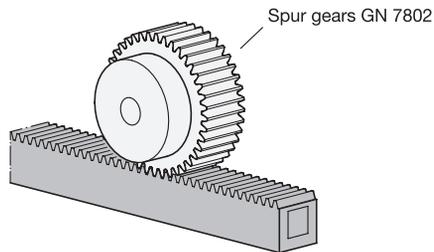


## Application example



## 3 Type

VG Square, straight, toothed

1

2

Module	Length l		b Tooth width	h <sub>1</sub>	h <sub>2</sub>	s	Max. force F <sub>S</sub> acting on a tooth in N
	Nominal size	Actual size					
1	350	352	15	15	14	8	372
1,5	250	250	17	17	15,5	8	633
1,5	500	565	17	17	15,5	8	633
2	250	251	20	20	18	10	993
2	500	565	20	20	18	10	993
3	250	254	30	30	27	15	2234
3	500	500	30	30	27	15	2234

## Specification

4

- Plastic  
Technopolymer (Polyamide PA)
- Glass fiber reinforced
- Temperature resistant up to 120 °C
- Gray ● GR
- *Plastic Characteristics* → Page 2158
- RoHS

## On request

- Other types

## Information

Gear racks GN 7822 are used in combination with spur gears GN 7802 to convert rotary motion into linear motion. They are used in automation applications with high repeatable precision and frequent changes of direction and load.

The steel core increases the stiffness and prevents bending of the racks. In addition, modules 1 / 1.5 / 2 are designed for continuous installation of the racks.

The gear racks have a reference profile toothing with a pressure angle of 20°. The force F<sub>S</sub> refers to the maximum permissible force that can be applied to a single tooth.

see also...

- *General Notes for Gears* → Page 1
- *Technical Instructions for Gears* → Page 2

## How to order

GN 7822-1,5-250-VG-GR

- |   |          |
|---|----------|
| 1 | Module   |
| 2 | Length l |
| 3 | Type     |
| 4 | Color    |