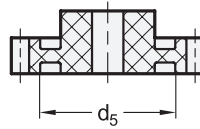
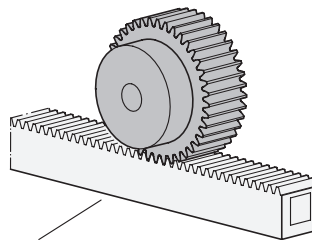
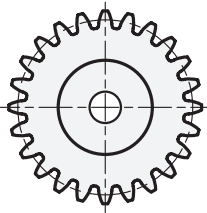


$z \geq 55$



Application example



Gear rack GN 7822



Module	z Tooth count		b ₁ Tooth width	b ₂	d ₁	d ₂ Pitch circle Ø	d ₃	d ₄ Pre-bored hole	d ₅	Max. torque in Nm
	GR	VDB								
1	12	12	15	25	14	12	9	4	-	2,5
1	14	-	15	25	16	14	10	4	-	2,9
1	15	15	15	25	17	15	10	4	-	3,1
1	16	16	15	25	18	16	13	5	-	3,3
1	18	-	15	25	20	18	14	5	-	3,7
1	20	20	15	25	22	20	16	5	-	4,1
1	21	-	15	25	23	21	16	5	-	4,3
1	22	-	15	25	24	22	18	5	-	4,5
1	24	24	15	25	26	24	20	6	-	4,9
1	25	-	15	25	27	25	20	6	-	5,1
1	26	-	15	25	28	26	22	6	-	5,3
1	27	-	15	25	29	27	22	6	-	5,5
1	28	-	15	25	30	28	22	6	-	5,7
1	30	30	15	25	32	30	25	6	-	6,1
1	32	32	15	25	34	32	25	6	-	6,6
1	33	-	15	25	35	33	25	6	-	6,8
1	34	-	15	25	36	34	30	8	-	7,0
1	35	-	15	25	37	35	30	8	-	7,2



1 2

Module	z Tooth count		b ₁ Tooth width	b ₂	d ₁	d ₂ Pitch circle Ø	d ₃	d ₄ Pre-bored hole	d ₅	Max. torque in Nm
	GR	VDB								
1	36	36	15	25	38	36	30	8	-	7,4
1	38	-	15	25	40	38	30	8	-	7,8
1	39	-	15	25	41	39	30	8	-	8,0
1	40	40	15	25	42	40	30	8	-	8,2
1	42	-	15	25	44	42	35	10	-	8,6
1	44	-	15	25	46	44	35	10	-	9
1	45	45	15	25	47	45	35	10	-	9,2
1	48	48	15	25	50	48	35	10	-	9,8
1	50	-	15	25	52	50	35	10	-	10,2
1	55	-	15	25	57	55	35	14	44	11,3
1	58	-	15	25	60	58	35	14	44	11,9
1	60	60	15	25	62	60	40	14	51	12,3
1	65	-	15	25	67	65	40	20	51	13,3
1	70	-	15	25	72	70	40	20	61	14,3
1	72	-	15	25	74	72	40	20	61	14,7
1	74	-	15	25	76	74	40	20	61	15,2
1	75	-	15	25	77	75	50	20	66	15,4
1	77	-	15	25	79	77	50	20	66	15,8
1	80	-	15	25	82	80	50	20	66	16,4

Specification

3

- Plastic Technopolymer (Polyamide PA)
 - Glass fiber reinforced
 - Temperature resistant up to 120 °C
 - Gray GR
- Plastic Technopolymer (Polyamide PA)
 - Glass fiber reinforced
 - Temperature resistant up to 120 °C
 - FDA compliant plastic granulate
 - Blue, RAL 5005, matte finish
 - Visually detectable VDB
- ISO Fundamental Tolerances → Page 2151
- Plastic Characteristics → Page 2158
- RoHS

On request

- With keyway
- With bore H9

Information

Spur gears GN 7802 of plastic reduce both weight and noise while offering high corrosion resistance.

Spur gears of polyamide allow the transmission of significantly higher torques compared with gears made of other plastics. This makes them especially suited for applications with high torques at low speeds.

The spur gears have involute toothing with a pressure angle of 20°. More details about the design as well as shaping the hub or machining a keyway can be found in the technical information.

see also...

- General Notes for Gears → Page 1
- Technical Instructions for Gears → Page 2
- Product Family Standard Parts made of Detectable Plastics → Page 2157

How to order

GN 7802-1-30-GR

1	Module
2	Tooth count z
3	Color