



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
3	12	30	45	42	36	25	12	-	52,3
3	14	30	45	48	42	30	12	-	61
3	15	30	45	51	45	30	12	-	65,4
3	16	30	45	54	48	35	12	-	69,7
3	18	30	45	60	54	40	12	-	78,4
3	20	30	45	66	60	45	12	-	87,1
3	22	30	45	72	66	45	16	-	95,9
3	23	30	45	75	69	45	16	-	100,2
3	24	30	45	78	72	45	16	-	104,6
3	25	30	45	81	75	45	16	-	108,9
3	26	30	45	84	78	45	16	-	113,3
3	27	30	45	87	81	45	16	-	117,6
3	28	30	45	90	84	50	16	65	122
3	29	30	45	93	87	50	16	65	126,4
3	30	30	45	96	90	50	16	65	130,7
3	32	30	45	102	96	50	16	73	139,4
3	35	30	45	111	105	60	20	80	152,5
3	40	30	45	126	120	60	20	85	174,3
3	45	30	45	141	135	60	20	101	196,1
3	50	30	45	156	150	60	20	127	217,6

Specification

- Plastic Technopolymer (Polyamide PA)
 - Glass fiber reinforced
 - Temperature resistant up to 120 °C
 - Gray GR
- ISO Fundamental Tolerances → Page 2151
- Plastic Characteristics → Page 2158
- RoHS

On request

- With keyway
- With bore H9

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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 key-way can be found in the technical information.

see also...

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

How to order

GN 7802-3-50-GR

1	Module
2	Tooth count z
3	Color

