



Dimensions in: millimeters - inches

Module	z Tooth count	b <sub>1</sub> Tooth width	b <sub>2</sub>	d <sub>1</sub>	d <sub>2</sub> Pitch circle Ø	d <sub>3</sub>	d <sub>4</sub> Pre-bored hole	d <sub>5</sub>	Max. torque in Nm
2.5	12	25 0.98	40 1.57	35 1.38	30 1.18	22 0.87	8 0.31	-	30.3
2.5	14	25 0.98	40 1.57	40 1.57	35 1.38	22 0.87	8 0.31	-	35.3
2.5	15	25 0.98	40 1.57	42.5 1.67	37.5 1.48	30 1.18	10 0.39	-	37.8
2.5	16	25 0.98	40 1.57	45 1.77	40 1.57	30 1.18	10 0.39	-	40.3
2.5	18	25 0.98	40 1.57	50 1.97	45 1.77	35 1.38	10 0.39	-	45.4
2.5	20	25 0.98	40 1.57	55 2.17	50 1.97	35 1.38	10 0.39	-	50.4
2.5	22	25 0.98	40 1.57	60 2.36	55 2.17	40 1.57	16 0.63	-	55.5
2.5	23	25 0.98	40 1.57	62.5 2.46	57.5 2.26	40 1.57	16 0.63	-	58
2.5	24	25 0.98	40 1.57	65 2.56	60 2.36	40 1.57	16 0.63	-	60.5
2.5	25	25 0.98	40 1.57	67.5 2.66	62.5 2.46	40 1.57	16 0.63	-	63
2.5	26	25 0.98	40 1.57	70 2.76	65 2.56	40 1.57	16 0.63	-	65.6
2.5	27	25 0.98	40 1.57	72.5 2.85	67.5 2.66	40 1.57	16 0.63	50 1.97	68.1
2.5	28	25 0.98	40 1.57	75 2.95	70 2.76	40 1.57	16 0.63	50 1.97	70.6
2.5	29	25 0.98	40 1.57	77.5 3.05	72.5 2.85	45 1.77	16 0.63	56 2.20	73.1
2.5	30	25 0.98	40 1.57	80 3.15	75 2.95	45 1.77	16 0.63	56 2.20	75.6
2.5	32	25 0.98	40 1.57	85 3.35	80 3.15	50 1.97	16 0.63	61 2.40	80.7
2.5	35	25 0.98	40 1.57	92.5 3.64	87.5 3.44	50 1.97	16 0.63	61 2.40	88.3
2.5	40	25 0.98	40 1.57	105 4.13	100 3.94	50 1.97	18 0.71	73 2.87	100.9
2.5	45	25 0.98	40 1.57	117.5 4.63	112.5 4.43	60 2.36	18 0.71	85 3.35	113.5
2.5	50	25 0.98	40 1.57	130 5.12	125 4.92	60 2.36	20 0.79	105 4.13	126.1

**Specification**

- Plastic  
Technopolymer (Polyamide PA)  
- Glass fiber reinforced  
- Temperature resistant up to 248 °F (120 °C)  
- Gray ● GR
- RoHS compliant

**On request**

- With keyway
- With bore H9

**Information**

Spur gears EN 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.

<b>How to order</b> <b>EN 7802-2.5-45-GR</b>	1	Module
	2	Tooth count z
	3	Color

3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 3.9 3.10