

Spur Gears Made from Plastic, with One-Sided Hub, Straight Tooth System, Die-Cast Version

Material: Polyacetal resin, nature white or polyketone (PK), nature, ivory-colored.

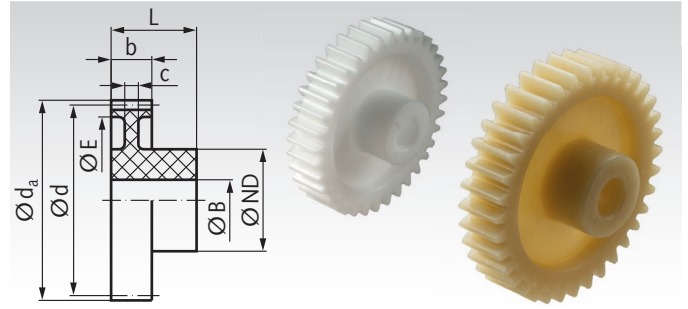
Moulded version. Bores machined. Pressure angle 20°. Usable also under water or other mediums.

Polyacetal: Standard quality with high hardness.

Polyketone: Lower friction leads to much larger lifespan, even without lubrication. Much higher safety against tooth breaking, specially at longterm usage.

Temperature Range: -40°C to +140°C due to the load. Material reference values page 864.

Ordering Details: e.g.: Product No. 287 010 00, Spur Gear, Polyacetal, Module 2.5, 10 Teeth



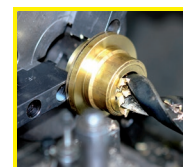
Module 2.5 Tooth Width b = 17 mm / 19 mm

Product No. Polyacetal	Product No. Polyketone	Number of teeth	b mm	d _a mm	d mm	L mm	E mm	c mm	ND mm	B mm	perm. MT*	perm. MT*	Weight	Weight
											Polyacetal Ncm	Polyketone Ncm	Polyacetal g	Polyketone g
287 010 00	287 010 01	10	17	30	25	30	-	-	18	10	104	110	14,1	12,6
287 012 00	287 012 01	12	17	35	30	30	-	-	20	10	145	152	19,2	17,3
287 013 00	287 013 01	13	17	37,5	32,5	30	-	-	20	10	169	178	22,2	19,9
287 014 00	287 014 01	14	17	40	35	30	-	-	20	10	191	201	25,3	22,7
287 015 00	287 015 01	15	17	42,5	37,5	30	27	7	20	10	216	226	20,7	18,5
287 016 00	287 016 01	16	17	45	40	30	27	7	20	10	242	254	24,3	21,8
287 017 00	287 017 01	17	17	47,5	42,5	30	27	7	20	10	249	262	28,2	25,3
287 018 00	287 018 01	18	17	50	45	30	34	7	20	10	288	303	27,5	24,7
287 019 00	287 019 01	19	17	52,5	47,5	30	34	7	20	10	331	347	31,9	28,6
287 020 00	287 020 01	20	17	55	50	30	34	7	20	10	376	394	36,4	32,7
287 021 00	287 021 01	21	17	57,5	52,5	30	41	7	24	12	422	443	34,0	30,5
287 022 00	287 022 01	22	17	60	55	30	41	7	24	12	474	498	39,0	35,0
287 023 00	287 023 01	23	17	62,5	57,5	30	41	7	24	12	528	554	44,3	39,7
287 024 00	287 024 01	24	17	65	60	30	49	7	24	12	586	615	41,8	37,5
287 025 00	287 025 01	25	17	67,5	62,5	30	49	7	24	12	645	677	47,6	42,7
287 026 00	287 026 01	26	17	70	65	30	49	7	24	12	710	746	53,5	48,0
287 027 00	287 027 01	27	17	72,5	67,5	30	56	7	24	12	777	816	51,6	46,3
287 028 00	287 028 01	28	17	75	70	30	56	7	24	12	850	892	58,0	52,1
287 030 00	287 030 01	30	17	80	75	30	56	7	24	12	1000	1050	71,6	64,2
287 032 00	287 032 01	32	17	85	80	30	68	7	30	14	1170	1230	68,0	61,0
287 035 00	287 035 01	35	17	92,5	87,5	30	68	7	30	14	1450	1520	91,5	82,1
287 036 00	287 036 01	36	17	95	90	30	72	7	30	14	1550	1630	93,6	84,0
287 038 00	287 038 01	38	17	100	95	30	72	7	30	14	1760	1850	111	99,5
287 040 00	287 040 01	40	17	105	100	30	84	7	30	14	1990	2090	109	97,4
287 042 00	287 042 01	42	17	110	105	30	84	7	30	16	2250	2360	126	113
287 045 00	287 045 01	45	17	117,5	112,5	30	84	7	30	16	2450	2580	156	140
287 048 00	287 048 01	48	17	125	120	30	100	7	30	16	2640	2770	156	140
287 050 00	287 050 01	50	17	130	125	30	100	7	30	16	2750	2890	179	161
287 055 00	287 055 01	55	17	142,5	137,5	30	100	7	30	20	3050	3200	236	212
287 060 00	287 060 01	60	19	155	150	34	133	8	40	20	3750	3940	248	222
287 065 00	287 065 01	65	19	167,5	162,5	34	133	8	40	20	4050	4250	329	295
287 070 00	287 070 01	70	19	180	175	34	148	8	40	20	4380	4600	366	329
287 075 00	287 075 01	75	19	192,5	187,5	34	163	8	40	20	5320	5580	405	363
287 080 00	287 080 01	80	19	205	200	34	178	8	40	20	5670	5960	444	398
287 085 00	287 085 01	85	19	217,5	212,5	34	178	8	40	20	6030	6330	552	495
287 090 00	287 090 01	90	19	230	225	34	193	8	40	20	6400	6720	598	537
287 095 00	287 095 01	95	19	242,5	237,5	34	208	8	40	20	7090	7440	646	580

* Basis of calculations see page 197.

Note Regarding the Machining

Inside these die-cast parts are some cavities caused by production. These parts should therefore not be drilled too deep. With larger bores or when grooving the cavities might become visible. This often does not affect the functionality.



**Reworking within
24h-service possible.
Custom made parts
on request.**