

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.

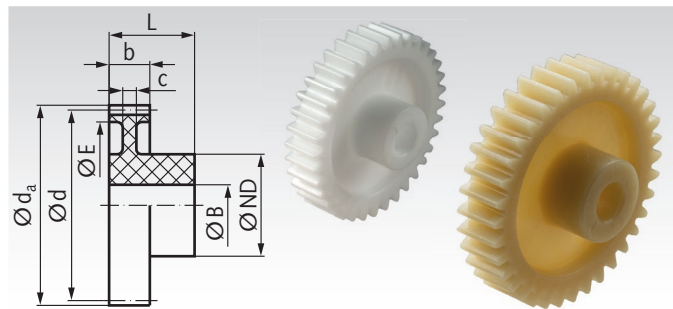
Polyacetal: Standard quality with high hardness.

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 1057.

Ordering Details: e.g.: Product No. 288 012 00, Spur Gear, Polyacetal, Module 3.0, 12 Teeth



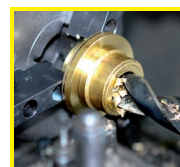
Module 3 Tooth Width b = 19 mm

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* Polyacetal Ncm	perm. MT* Polyketone Ncm	Weight Polyacetal g	Weight Polyketone g
288 012 00	288 012 01	12	19	42	36	34	-	-	24	12	240	252	30,4	27,3
288 013 00	288 013 01	13	19	45	39	34	-	-	24	12	280	294	35,0	31,4
288 014 00	288 014 01	14	19	48	42	34	-	-	24	12	320	336	39,9	35,8
288 015 00	288 015 01	15	19	51	45	34	30,5	8	24	12	370	389	40,4	36,3
288 016 00	288 016 01	16	19	54	48	34	30,5	8	24	12	400	420	46,5	41,7
288 017 00	288 017 01	17	19	57	51	34	30,5	8	24	12	420	441	51,7	46,4
288 018 00	288 018 01	18	19	60	54	34	38	8	24	12	490	515	52,2	46,8
288 019 00	288 019 01	19	19	63	57	34	38	8	24	12	560	588	58,9	52,8
288 020 00	288 020 01	20	19	66	60	34	38	8	24	12	640	672	65,7	58,9
288 021 00	288 021 01	21	19	69	63	34	45	8	24	12	720	756	65,8	59,0
288 022 00	288 022 01	22	19	72	66	34	45	8	24	12	810	851	73,3	65,8
288 023 00	288 023 01	23	19	75	69	34	52	8	24	12	900	945	74,5	66,8
288 024 00	288 024 01	24	19	78	72	34	52	8	24	12	1000	1050	82,5	74,0
288 025 00	288 025 01	25	19	81	75	34	58	8	28	14	1110	1170	88,2	79,1
288 026 00	288 026 01	26	19	84	78	34	58	8	28	14	1220	1280	97,6	87,6
288 027 00	288 027 01	27	19	87	81	34	58	8	28	14	1340	1410	108	96,4
288 028 00	288 028 01	28	19	90	84	34	65	8	28	14	1460	1530	108	96,4
288 030 00	288 030 01	30	19	96	90	34	68	8	28	14	1730	1820	123	110
288 032 00	288 032 01	32	19	102	96	34	69	8	32	16	2020	2120	148	133
288 033 00	288 033 01	33	19	105	99	34	69	8	32	16	2180	2290	160	144
288 034 00	288 034 01	34	19	108	102	34	78	8	32	16	2318	2430	159	143
288 035 00	288 035 01	35	19	111	105	34	78	8	32	16	2510	2640	170	153
288 038 00	288 038 01	38	19	120	114	34	87	8	32	16	3060	3210	189	170
288 040 00	288 040 01	40	19	126	120	34	93	8	32	16	3330	3500	209	187
288 045 00	288 045 01	45	19	141	135	34	108	8	32	16	3780	3970	255	228
288 050 00	288 050 01	50	19	156	150	34	133	8	40	20	5100	5350	287	257
288 055 00	288 055 01	55	19	171	165	34	148	8	40	20	6570	6900	333	298
288 060 00	288 060 01	60	19	186	180	34	163	8	40	20	8060	8460	385	346
288 065 00	288 065 01	65	19	201	195	34	178	8	40	20	10260	10780	437	392
288 070 00	288 070 01	70	19	216	210	34	193	8	40	20	11710	12290	496	445
288 075 00	288 075 01	75	19	231	225	34	208	8	40	20	12920	13570	556	498

* Basis of calculations see page 235.

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.**