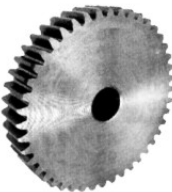
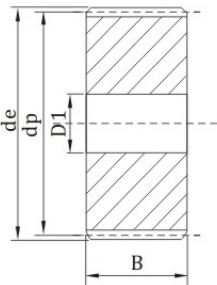
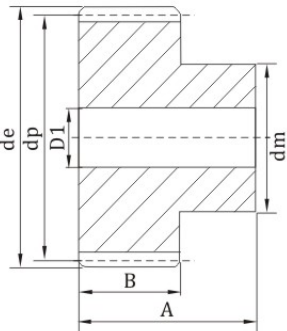


Spur Gears
European Standard Series

SPUR GEARS

Z	Mod.1				Mod.1.5				Mod.2				Mod.2.5			
	d _e	d _p	d _m	D1	d _e	d _p	d _m	D1	d _e	d _p	d _m	D1	d _e	d _p	d _m	D1
12	14	12	9	-	21.0	18.0	14	8	28	24	18	10	35.0	30.0	22	10
13	15	13	10	-	22.5	19.5	15	8	30	26	20	10	37.5	32.5	25	10
14	16	14	11	-	24.0	21.0	17	8	32	28	22	10	40.0	35.0	28	10
15	17	15	12	-	25.5	22.5	18	8	34	30	24	10	42.5	37.5	30	10
16	18	16	13	-	27.0	24.0	19	8	36	32	25	10	45.0	40.0	32	12
17	19	17	14	-	28.5	25.5	20	8	38	34	25	10	47.5	42.5	35	12
18	20	18	15	8	30.0	27.0	20	8	40	36	25	10	50.0	45.0	35	12
19	21	19	15	8	31.5	28.5	20	8	42	38	25	10	52.5	47.5	35	12
20	22	20	16	8	33.0	30.0	25	8	44	40	30	10	55.0	50.0	40	12
21	23	21	16	8	34.5	31.5	25	10	46	42	30	12	57.5	52.5	40	14
22	24	22	16	8	36.0	33.0	25	10	48	44	30	12	60.0	55.0	45	14
23	25	23	18	8	37.5	34.5	25	10	50	46	30	12	62.5	57.5	45	14
24	26	24	20	10	39.0	36.0	25	10	52	48	35	12	65.0	60.0	45	14
25	27	25	20	10	40.5	37.5	25	10	54	50	35	12	67.5	62.5	50	14
26	28	26	20	10	42.0	39.0	30	12	56	52	40	12	70.5	65.0	50	14
27	29	27	20	10	43.5	40.5	30	12	58	54	40	12	72.5	67.5	50	14
28	30	28	20	10	45.0	42.0	30	12	60	56	40	12	75.0	70.0	50	14
29	31	29	20	10	46.5	43.5	30	12	62	58	40	14	77.5	72.5	50	14
30	32	30	20	10	48.0	45.0	30	12	64	60	40	14	80.0	75.0	55	14
31	33	31	25	10	49.5	46.5	35	12	66	62	45	14	82.5	77.5	55	16
32	34	32	25	10	51.0	48.0	35	12	68	64	45	14	85.0	80.0	55	16
33	35	33	25	10	52.5	49.5	35	12	70	66	45	14	87.5	82.5	55	16
34	36	34	25	10	54.0	51.0	35	12	72	68	45	14	90.0	85.0	55	16
35	37	35	25	10	55.5	52.5	35	12	74	70	45	14	92.5	87.5	60	16
36	38	36	25	10	57.0	54.0	35	12	76	72	45	14	95.0	90.0	60	16
37	39	37	25	10	58.5	55.5	40	12	78	74	50	14	97.5	92.5	60	16
38	40	38	25	10	60.0	57.0	40	12	80	76	50	14	100.0	95.0	60	16
39	41	39	25	10	61.5	58.5	40	12	82	78	50	14	102.5	97.5	60	16
40	42	40	25	10	63.0	60.0	40	12	84	80	50	14	105.0	100.0	70	16
41	43	41	30	10	64.5	61.5	40	12	86	82	55	16	107.5	102.5	70	16
42	44	42	30	10	66.0	63.0	50	12	88	84	55	16	110.0	105.0	70	16
43	45	43	30	10	67.5	64.5	50	12	90	86	55	16	112.5	107.5	70	16
44	46	44	30	10	69.0	66.0	50	12	92	88	60	16	115.0	110.0	70	16
45	47	45	30	12	70.5	67.5	50	12	94	90	60	16	117.5	112.5	70	16
46	48	46	30	12	72.0	69.0	50	14	96	92	60	16	120.0	115.0	70	16
47	49	47	30	12	73.5	70.5	50	14	98	94	70	16	122.5	117.5	80	20
48	50	48	30	12	75.0	72.0	50	14	100	96	70	16	125.0	120.0	80	20
49	51	49	30	12	76.5	73.5	50	14	102	98	70	16	127.5	122.5	80	20
50	52	50	30	12	78.0	75.0	50	14	104	100	70	16	130.0	125.0	80	20
51	53	51	40	12	79.5	76.5	60	14	106	102	70	16	132.5	127.5	80	20
52	54	52	40	12	81.0	78.0	60	14	108	104	70	16	135.0	130.0	90	20
53	55	53	40	12	82.5	79.5	60	14	110	106	70	16	137.5	132.5	90	20
54	56	54	40	12	84.0	81.0	60	14	112	108	70	16	140.0	135.0	90	20
55	57	55	40	12	85.5	82.5	60	14	114	110	70	16	142.5	137.5	90	20
56	58	56	40	12	87.0	84.0	60	16	116	112	70	16	145.0	140.0	100	20
57	59	57	40	12	88.5	85.5	60	16	118	114	70	16	147.5	142.5	100	20
58	60	58	40	12	90.0	87.0	60	16	120	116	70	16	150.0	145.0	100	20
59	61	59	40	12	91.5	88.5	60	16	122	118	70	16	152.5	147.5	100	20
60	62	60	40	12	93.0	90.0	60	16	124	120	70	16	155.0	150.0	100	20
61	63	61	50	12	94.5	91.5	70	16	126	122	80	16				
62	64	62	50	12	96.0	93.0	70	16	128	124	80	16				
63	65	63	50	12	97.5	94.5	70	16	130	126	80	16				
64	66	64	50	12	99.0	96.0	70	16	132	128	80	16				
65	67	65	50	12	100.5	97.5	70	16	134	130	80	16	167.5	162.5	20	
66	68	66	50	12	102.0	99.0	70	16	136	132	80	16				
67	69	67	50	12	103.5	100.5	70	16	138	134	80	16				
68	70	68	50	12	105.0	102.0	70	16	140	136	80	16				
69	71	69	50	12	106.5	103.5	70	16	142	138	80	16				
70	72	70	50	12	108.0	105.0	70	16	144	140	80	16	180.0	175.0	20	
72	74	71		12	111.0	108.0		16	148	144		16	185.0	180.0	20	
75	77	75		12	115.0	112.5		16	154	150		20	192.5	187.5	20	
76	78	76		12	117.0	114.0		16	156	152		20	195.0	190.0	20	
80	82	80		12	123.0	120.0		16	164	160		20	205.0	200.0	25	
85	87	85		12	130.0	127.5		16	174	170		20	217.5	212.5	25	
90	92	90		12	138.0	135.0		16	184	180		20	230.0	225.0	25	
95	97	95		12	145.5	142.5		16	194	190		20	242.5	237.5	25	
100	102	100		12	153.0	150.0		16	204	200		20	255.0	250.0	25	
110	112	110		12	168.0	165.0		16	224	220		20	280.0	275.0	25	
114	116	114		12	174.0	171.0		16	232	228		20	290.0	285.0	25	
120	122	120		12	183.0	180.0		16	244	240		20	305.0	300.0	25	
127	129	127		12	193.5	190.5		16	258	254		20	322.5	317.5	25	



Tooth width "B"
Module 1 =15mm
Module 1.5 =17mm
Module 2 =20mm
Module 2.5 =25mm
Module 3 =30mm
Module 4 =40mm
Module 5 =50mm
Module 6 =60mm

Tooth width "A"
Module 1 =25mm
Module 1.5 =30mm
Module 2 =35mm
Module 2.5 =45mm
Module 3 =50mm
Module 4 =60mm
Module 5 =75mm
Module 6 =80mm

Material:C45
Pressure angle 20°

Spur Gears
European Standard Series

SPUR GEARS

Z	Mod.3				Mod.4				Mod.5				Mod.6			
	d _e	d _p	d _m	D1	d _e	d _p	d _m	D1	d _e	d _p	d _m	D1	d _e	d _p	d _m	D1
12	42	36	27	12	56	48	35	14	70	60	45	20	84	72	54	20
13	45	39	30	12	60	52	40	14	75	65	50	20	90	78	60	20
14	48	42	33	12	64	56	45	14	80	70	55	20	96	84	65	20
15	51	45	35	12	68	60	45	14	85	75	60	20	102	90	70	20
16	54	58	38	14	72	64	50	16	90	80	65	20	108	95	75	20
17	57	51	42	14	76	68	50	16	95	85	70	20	114	100	75	20
18	60	54	45	14	80	72	50	16	100	90	70	20	120	108	80	20
19	63	57	45	14	84	76	60	16	105	95	70	20	126	114	85	20
20	66	60	45	14	88	80	60	16	110	100	80	20	132	120	90	20
21	69	63	45	16	92	84	70	16	115	105	80	20	138	126	95	20
22	72	66	50	16	96	88	70	16	120	110	80	20	144	132	100	20
23	75	69	50	16	100	92	75	20	125	115	90	20	150	138	105	20
24	78	72	50	16	104	96	75	20	130	120	90	20	156	144	110	25
25	81	75	60	16	108	100	75	20	135	125	90	20	162	150	110	25
26	84	78	60	16	112	104	75	20	140	130	100	20				
27	87	81	60	16	116	108	75	20	145	135	100	20				
28	90	84	60	16	120	112	75	20	150	140	100	25	180	168		25
29	93	87	60	16	124	116	75	20	155	145	110	25				
30	96	90	60	16	128	120	75	20	160	150	110	25	192	180		25
31	99	93	60	16	132	124	80	20								
32	102	96	70	16	136	128	80	20	170	160		25	204	192		25
33	105	99	70	16	140	132	80	20								
34	108	102	70	16	144	136	80	20								
35	111	105	70	16	148	140	80	20	185	175		25	222	210		25
36	114	108	70	20	152	144	80	25								
37	117	111	70	20												
38	120	114	80	20	160	152		25	200	190		25	240	220		25
39	123	117	80	20												
40	126	120	80	20	168	160		25	210	200		25	252	240		25
41	129	123	80	20												
42	132	126	80	20												
43	135	129	80	20												
44	138	132	90	20												
45	141	135	90	20	188	180		25	235	225		25				
46	144	138	90	20												
47	147	141	100	20												
48	150	144	100	20	200	192		25	250	240		25				
50	156	150		20	208	200		25	260	250		30				
52	162	156		20	216	208		25	270	260		30				
55	171	165	20	228	220		25	285	275		30					
57	177	171	20	236	228		25	295	285		30					
60	186	180	20	248	240		25	310	300		30					
65	201	195	20	268	260		25	335	325		30					
70	216	210	25	288	280		25	360	350		30					
72	222	216	25													
75	231	225		25	308	300		25	385	375		30				
76	234	228		25	312	304		30	390	380		30				
80	246	240	25	328	320		30	410	400		30					
85	261	255	25	348	340		30	435	425		30					
90	276	270	25	368	360		30	460	450		30					
95	291	285		25	388	380		30	485	475		30				
100	306	300		25	408	400		30	510	500		30				
110	336	320		25	448	440		30	560	550		30				
114	348	342	30	464	456		30	580	570		30					
120	366	360		30												
127	387	381		30												