

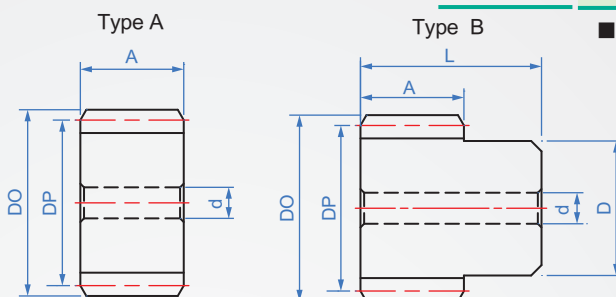
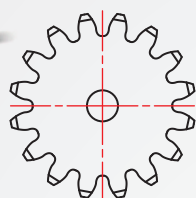
Pressure Angle : A 20°
GR311

Modulus	M1	M1.5	M2	M2.5	M3
A	10	15	20	25	28
L	15	28	35	40	46

Material	Accuracy level	Tooth surface treatment
S45C Carbon steel	JIS 4 Level (DIN8e25)	Finishing cutter

■ Made in Taiwan, complete supply.

How to order



2

unit : mm

Number of teeth	M1				M1.5				M2				M2.5				M3			
	DP	DO	D	d	DP	DO	D	d	DP	DO	D	d	DP	DO	D	d	DP	DO	D	d
15	15	17	12	6	22.5	25.5	18	8	30	34	24	10	37.5	42.5	30	12	45	51	36	15
16	16	18	13		24	27	20		32	36	26		40	45	32		48	54	38	
17	17	19	14		25.5	28.5	20		34	38	28		42.5	47.5	35		51	57	40	
18	18	20	15		27	30	23		36	40	30		45	50	38		54	60	42	
19	19	21	16		28.5	31.5	24		38	42	32		47.5	52.5	40		57	63	48	
20	20	22	17		30	33	26		40	44	34		50	55	42		60	66	50	
21	21	23	18		31.5	34.5	27		42	46	36		52.5	57.5	42		63	69	55	
22	22	24	19		33	36	28		44	48	38		55	60	46		66	72	55	
23	23	25	20		34.5	37.5	30		46	50	40		57.5	62.5	48		69	75	60	
24	24	26	21		36	39	32		48	52	42		60	65	50		72	78	60	
25	25	27	22	37.5	40.5	33	50	54	42	62.5	67.5	55	75	81	65					
26	26	28	23	39	42	35	52	56	45	65	70	55	78	84	65					
27	27	29	24	40.5	43.5	36	54	58	48	67.5	72.5	60	81	87	68					
28	28	30	25	42	45	38	56	60	50	70	75	60	84	90	70					
29	29	31	26	43.5	46.5	39	58	62	50	72.5	77.5	65	87	93	75					
30	30	32	27	45	48	40	60	64	52	75	80	65	90	96	75					
31	31	33	28	46.5	49.5	42	62	66	54	77.5	82.5	70	93	99	85					
32	32	34	29	48	51	44	64	68	56	80	85	70	96	102	85					
33	33	35	30	49.5	52.5	45	66	70	58	82.5	87.5	75	99	105	90					
34	34	36	30	51	54	46	68	72	60	85	90	75	102	108	90					
35	35	37	32	52.5	55.5	48	70	74	60	87.5	92.5	78	105	111	90					
36	36	38	32	54	57	50	72	76	62	90	95	80	108	114	90					
37	37	39	34	55.5	58.5	50	74	78	65	92.5	97.5	80	111	117	90					
38	38	40	35	57	60	52	76	80	65	95	100	80	114	120	90					
39	39	41	36	58.5	61.5	52	78	82	70	97.5	102.5	80	117	123	90					
40	40	42	36	60	63	54	80	84	70	100	105	80	120	126	90					
41	41	43	38	61.5	64.5	55	82	86	72	102.5	107.5	80	123	129	90					
42	42	44	38	63	66	58	84	88	72	105	110	80	126	132	90					
43	43	45	40	64.5	67.5	58	86	90	75	107.5	112.5	80	129	135	90					
44	44	46	40	66	69	60	88	92	75	110	115	80	132	138	90					
45	45	47	42	67.5	70.5	62	90	94	80	112.5	117.5	90	135	141	100					
46	46	48	42	69	72	62	92	96	85	115	120	90	138	144	100					
47	47	49	44	70.5	73.5	62	94	98	85	117.5	122.5	90	141	147	100					
48	48	50	45	72	75	62	96	100	85	120	125	90	144	150	100					
49	49	51	45	73.5	76.5	65	98	102	90	122.5	127.5	90	147	153	100					
50	50	52	46	75	78	65	100	104	90	125	130	90	150	156	100					
55	55	57	50	82.5	85.5	65	12	-	-	-	-	-	-	-	-	-	-	-	-	
60	60	62	55	90	93	65														
65	65	67	60	97.5	100.5	65														
70	70	72	65	105	108	65														
75	75	77	70	112.5	115.5	65														
80	80	82	74	120	123	70														
85	85	87	78	127.5	130.5	70														
90	90	92	80	135	138	70														

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