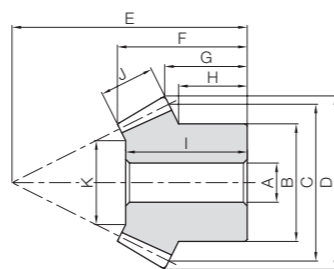
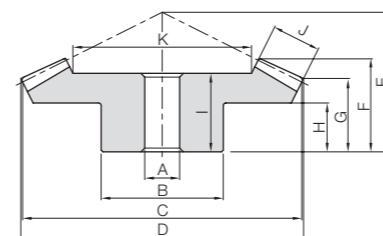




Specifications	
Precision grade	JIS B 1704: 1978 grade 3
Gear teeth	Gleason
Pressure angle	20°
Material	SUS303
Heat treatment	—
Tooth hardness	(less than 187HB)



B3



B4

Catalog Number	Gear Ratio	Module	No. of teeth	Shape	Bore		Hub dia.	Pitch dia.	Outside dia.	Mounting distance	Total length		Hub width
					A <sub>H7</sub>	B					C	D	
<b>SUB1.5-3020</b> <b>SUB1.5-2030</b>	1.5	<b>m1.5</b>	30	B4	10	30	45	46.24	28	18.53	13.93	8	
20			B3	8	25	30	33.13	33	18.63	11.54	8.83		
<b>SUB2-3020</b> <b>SUB2-2030</b>		<b>m2</b>	30	B4	10	35	60	61.65	40	26.87	21.24	15	
20			B3	10	35	40	44.18	45	25.06	16.39	13.33		
<b>SUB2.5-3020</b> <b>SUB2.5-2030</b>		<b>m2.5</b>	30	B4	15	45	75	77.07	50	34.22	26.55	18	
20			B3	12	40	50	55.22	55	31.06	19.24	14.16		
<b>SUB3-3020</b> <b>SUB3-2030</b>	<b>m3</b>	30	B4	15	60	90	92.48	55	35.56	26.86	17		
20		B3	15	50	60	66.27	70	40.48	27.09	21.66			
<b>SUB1.5-4020</b> <b>SUB1.5-2040</b>	2	<b>m1.5</b>	40	B4	10	38	60	60.88	35	25.01	20.88	15	
20			B3	8	25	30	33.61	46	25.54	16.9	14.75		
<b>SUB2-4020</b> <b>SUB2-2040</b>		<b>m2</b>	40	B4	12	50	80	81.17	45	32.37	26.17	18	
20			B3	12	32	40	44.81	60	34.16	21.2	18		
<b>SUB2.5-4020</b> <b>SUB2.5-2040</b>		<b>m2.5</b>	40	B4	15	60	100	101.46	55	39.73	31.46	20	
20			B3	12	40	50	56.01	75	43.78	26.5	22.5		
<b>SUB3-4020</b> <b>SUB3-2040</b>	<b>m3</b>	40	B4	20	70	120	121.76	65	45.85	36.76	24		
20		B3	16	50	60	67.22	90	50.81	31.8	27.5			
<b>SUB1.5-4515</b> <b>SUB1.5-1545</b>	3	<b>m1.5</b>	45	B4	10	36	67.5	68.06	28	20.44	17.59	11	
15			B3	8	18	22.5	26.54	47	23.19	13.92	12.5		
<b>SUB2-4515</b> <b>SUB2-1545</b>		<b>m2</b>	45	B4	12	60	90	90.75	40	30.4	26.12	17	
15			B3	10	24	30	35.35	60	29.8	15.89	14		
<b>SUB2.5-4515</b> <b>SUB2.5-1545</b>		<b>m2.5</b>	45	B4	15	60	112.5	113.43	50	38.35	32.65	22	
15			B3	12	30	37.5	44.18	75	38.41	19.86	17.5		
<b>SUB3-4515</b> <b>SUB3-1545</b>	<b>m3</b>	45	B4	20	80	135	136.12	55	40.74	34.18	20		
15		B3	15	38	45	53.02	90	45.17	23.84	21.33			

Hole length	Face width	Holding surface dia.	Allowable torque (N·m)		Allowable torque (kgf·m)		Backlash (mm)	Weight (kg)	Catalog Number
			Bending strength	Surface durability	Bending strength	Surface durability			
16 17	9	27.37	3.22	0.46	0.33	0.047	0.05~0.15	0.12 0.064	<b>SUB1.5-3020</b> <b>SUB1.5-2030</b>
23 22		17.05	2.23	0.31	0.23	0.032			
30 28	11	37.56	7.22	1.08	0.74	0.11	0.06~0.16	0.27 0.16	<b>SUB2-3020</b> <b>SUB2-2030</b>
31 37		21.34	5.01	0.72	0.51	0.074			
30 28	15	45.61	14.9	2.28	1.52	0.23	0.07~0.17	0.55 0.29	<b>SUB2.5-3020</b> <b>SUB2.5-2030</b>
31 37		27.42	10.3	1.52	1.05	0.15			
22 24	10	39.64	5.23	0.79	0.53	0.081	0.05~0.15	0.27 0.090	<b>SUB1.5-4020</b> <b>SUB1.5-2040</b>
27 32		17.28	2.64	0.40	0.27	0.040			
27 32	15	48.46	13.4	2.07	1.36	0.21	0.06~0.16	0.62 0.19	<b>SUB2-4020</b> <b>SUB2-2040</b>
35 41		20.92	6.72	1.04	0.69	0.11			
38 47	20	60.28	27.1	4.29	2.76	0.44	0.07~0.17	1.24 0.41	<b>SUB2.5-4020</b> <b>SUB2.5-2040</b>
47		24.56	13.6	2.15	1.39	0.22			
38 47	22	73.81	44.4	7.19	4.53	0.73	0.08~0.18	1.89 0.70	<b>SUB3-4020</b> <b>SUB3-2040</b>
22.5		29.61	22.4	3.60	2.28	0.37			
17 22.5	10	46.58	5.70	0.72	0.58	0.074	0.05~0.15	0.25 0.041	<b>SUB1.5-4515</b> <b>SUB1.5-1545</b>
26 29		14.75	1.97	0.24	0.20	0.025			
26 29	15	59.04	14.6	1.90	1.49	0.19	0.06~0.16	0.82 0.097	<b>SUB2-4515</b> <b>SUB2-1545</b>
35 37		19.13	5.03	0.63	0.51	0.065			
35 37	20	72.84	29.6	3.94	3.02	0.40	0.07~0.17	1.38 0.19	<b>SUB2.5-4515</b> <b>SUB2.5-1545</b>
43		20.51	10.2	1.31	1.04	0.13			
35 43	23	88.18	49.9	6.77	5.09	0.69	0.08~0.18	2.36 0.34	<b>SUB3-4515</b> <b>SUB3-1545</b>
22.5		22.53	17.2	2.26	1.76	0.23			

