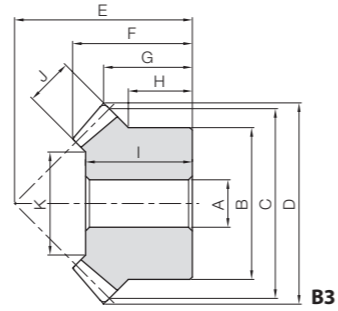




Stainless Steel Miter Gears



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



Catalog Number	Gear Ratio	Module	No. of teeth	Shape	Bore	Hub dia.	Pitch dia.	Outside dia.	Mounting distance	Total length	Crown to back	Hub width
					A _{H7}	B	C	D	E	F	G	H
SUM1-20	1	m1	20	B3	6	16	20	21.41	20	13.95	10.71	8
SUM1.5-20		m1.5			8	26	30	32.12	30	21.24	16.06	13
SUM2-20		m2			12	34	40	42.83	37	24.89	18.41	14
SUM2.5-20		m2.5			14	42	50	53.54	48	32.54	24.77	19
SUM3-20		m3			16	50	60	64.24	58	39.84	30.12	23
SUM4-20	m4	20	64	80	85.65	75	50.78	37.83	27			
SUM1-25	1	m1	25	B3	6	20	25	26.41	23	15.16	11.21	8
SUM1.5-25		m1.5			10	30	37.5	39.62	34	22.25	16.31	11.5
SUM2-25		m2			12	45	50	52.83	40	24.33	16.41	12.5
SUM2.5-25		m2.5			16	55	62.5	66.04	50	30.41	20.52	15
SUM3-25		m3			20	65	75	79.24	60	37.81	24.62	17.5
SUM4-25	m4	28	80	100	105.66	80	49.32	32.83	20			
SUM1-30	1	m1	30	B3	8	24	30	31.41	28	17.71	13.71	10
SUM1.5-30		m1.5			10	36	45	47.12	43	28.24	21.56	16
SUM2-30		m2			12	45	60	62.83	50	29.43	21.41	12.5
SUM2.5-30		m2.5			16	60	75	78.54	62	36.28	26.27	17
SUM3-30		m3			20	70	90	94.24	75	45.47	32.12	20

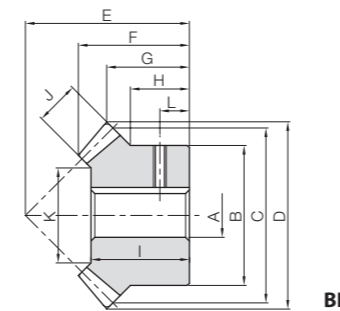
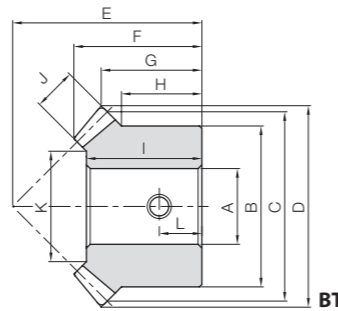
Hole length	Face width	Holding surface dia.	Allowable torque (N·m)		Allowable torque (kgf·m)		Backlash (mm)	Weight (kg)	Catalog Number
			Bending strength	Surface durability	Bending strength	Surface durability			
12	5	9.86	0.49	0.060	0.050	0.0061	0.03~0.13	0.019	SUM1-20
19	8	15.37	1.72	0.22	0.18	0.022	0.05~0.15	0.075	SUM1.5-20
22	10	21.72	3.94	0.51	0.40	0.052	0.06~0.16	0.15	SUM2-20
29	12	28.06	7.52	1.00	0.77	0.10	0.07~0.17	0.30	SUM2.5-20
35	15	31.57	13.3	1.80	1.36	0.18	0.08~0.18	0.53	SUM3-20
45	20	43.43	31.5	4.39	3.22	0.45	0.12~0.27	1.17	SUM4-20
14	6	15.03	0.81	0.12	0.083	0.012	0.03~0.13	0.035	SUM1-25
19	9	19.54	2.74	0.41	0.28	0.042	0.05~0.15	0.11	SUM1.5-25
20	12	26.06	6.50	1.00	0.66	0.10	0.06~0.16	0.25	SUM2-25
26	15	34.57	12.7	2.00	1.29	0.20	0.07~0.17	0.47	SUM2.5-25
32	20	37.43	23.3	3.73	2.37	0.38	0.08~0.18	0.81	SUM3-25
43	25	55.29	53.2	8.79	5.43	0.90	0.12~0.27	1.75	SUM4-25
16	6	19.03	1.10	0.18	0.11	0.02	0.03~0.13	0.058	SUM1-30
25	10	25.72	3.96	0.68	0.40	0.07	0.05~0.15	0.21	SUM1.5-30
25	12	36.06	8.77	1.55	0.89	0.16	0.06~0.16	0.37	SUM2-30
32	15	47.57	17.1	3.10	1.75	0.32	0.07~0.17	0.77	SUM2.5-30
40	20	53.43	31.7	5.86	3.23	0.60	0.08~0.18	1.34	SUM3-30



Finished Bore Stainless Steel Miter Gears



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



Catalog Number	Gear Ratio	Module	No. of teeth	Shape	Bore	Hub dia.	Pitch dia.	Outside dia.	Mounting distance	Total length	Crown to back	Hub width	Hole length
					A _{H7}	B	C	D	E	F	G	H	I
SUMA1-20	1	m1	20	BT	6	16	20	21.41	20	13.95	10.71	8	12
SUMA1.5-20		m1.5		8	26	30	32.12	30	21.24	16.06	13	19	
SUMA2-20		m2		12	34	40	42.83	37	24.89	18.41	14	22	
SUMA2.5-20		m2.5		14	42	50	53.54	48	32.54	24.77	19	29	
SUMA3-20		m3		16	50	60	64.24	58	39.84	30.12	23	35	
SUMA4-20	m4	20	64	80	85.65	75	50.78	37.83	27	45			
SUMA1-25	1	m1	25	BT	6	20	25	26.41	23	15.16	11.21	8	14
SUMA1.5-25		m1.5		10	30	37.5	39.62	34	22.25	16.31	11.5	19	
SUMA2-25		m2		12	45	50	52.83	40	24.33	16.41	12.5	20	
SUMA2.5-25		m2.5		16	55	62.5	66.04	50	30.41	20.52	15	26	
SUMA3-25		m3		20	65	75	79.24	60	37.81	24.62	17.5	32	
SUMA4-25	m4	30	80	100	105.66	80	49.32	32.83	20	43			

Face width	Holding surface dia.	Keyway	Socket head screw	Allowable torque (N·m)		Allowable torque (kgf·m)		Backlash (mm)	Weight (kg)	Catalog Number
				Bending strength	Surface durability	Bending strength	Surface durability			
5	9.86	—	M4	4	0.49	0.060	0.050	0.0061	0.018	SUMA1-20
8	15.37	—	M4	6.5	1.72	0.22	0.18	0.022	0.074	SUMA1.5-20
10	21.72	4 x 1.8	M4	7	3.94	0.51	0.40	0.052	0.15	SUMA2-20
12	28.06	5 x 2.3	M5	9.5	7.52	1.00	0.77	0.10	0.30	SUMA2.5-20
15	31.57	5 x 2.3	M5	11.5	13.3	1.80	1.36	0.18	0.53	SUMA3-20
20	43.43	6 x 2.8	M5	13.5	31.5	4.39	3.22	0.45	1.16	SUMA4-20
6	15.03	—	M4	4	0.81	0.12	0.083	0.012	0.034	SUMA1-25
9	19.54	—	M4	6	2.74	0.41	0.28	0.042	0.11	SUMA1.5-25
12	26.06	4 x 1.8	M4	6.5	6.50	1.00	0.66	0.10	0.25	SUMA2-25
15	34.57	5 x 2.3	M5	7.5	12.7	2.00	1.29	0.20	0.47	SUMA2.5-25
20	37.43	6 x 2.8	M5	9	23.3	3.73	2.37	0.38	0.81	SUMA3-25
25	55.29	8 x 3.3	M6	10	53.2	8.79	5.43	0.90	1.70	SUMA4-25