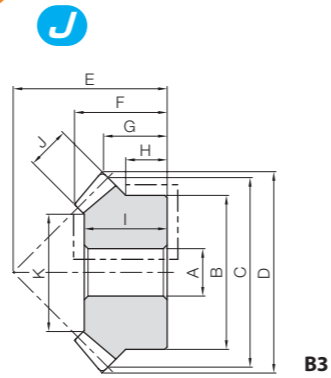


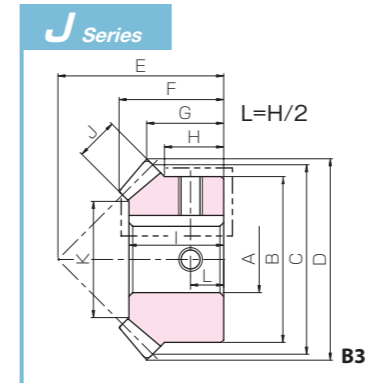


Specifications	
Precision grade	JIS B 1704: 1978 grade 4
Gear teeth	Gleason
Pressure angle	20°
Material	SCM415
Heat treatment	Tooth area carburized
Tooth hardness	55 to 60HRC
Surface treatment	Black oxide coating

* The precision grade of J Series products is equivalent to the value shown in the table.



B3



B3K



To order J Series products, please specify: **Catalog No. + J + BORE.**

Catalog Number	Gear Ratio	No. of teeth	Shape	Specifications													Backlash (mm)	Weight (kg)		
				Bore A _{H7}	Hub dia. B	Pitch dia. C	Outside dia. D	Mounting distance E	Total length F	Crown to back G	Hub width H	Hole length I	Face width J	Holding surface dia. K	Allowable torque (N·m) Bending strength	Allowable torque (kgf·m) Surface durability				
MM2-20	1	20	B3	12	34	40	42.83	35	22.24	16.41	12	20	9	24.54	15.1	9.74	1.54	0.99	0.06~0.16	0.13
MM2.5-20				15	42	50	53.54	45	28.89	21.77	16	26	11	30.89	29.0	19.0	2.96	1.94	0.07~0.17	0.27
MM3-20				16	52	60	64.24	50	31.19	22.12	16	27	14	34.4	52.0	34.5	5.30	3.52	0.08~0.18	0.43
MM4-20				20	65	80	85.66	65	39.49	27.83	17.5	35	18	49.09	121	81.2	12.3	8.28	0.12~0.27	0.93
MM5-20				25	80	100	107.07	90	60.38	43.54	30	54	26	54.46	256	175	26.1	17.8	0.14~0.34	2.15
MM2-25	1	25	B3	12	45	50	52.83	40	24.33	16.41	12.5	21	12	28.06	26.4	20.1	2.70	2.05	0.06~0.16	0.25
MM2.5-25				16	55	62.5	66.03	50	30.41	20.52	15	27	15	36.57	51.6	39.7	5.27	4.05	0.07~0.17	0.47
MM3-25				20	65	75	79.24	60	37.81	24.62	17.5	33	20	39.43	94.7	73.5	9.66	7.49	0.08~0.18	0.81
MM4-25				25	85	100	105.66	80	49.32	32.83	22.5	44	25	57.29	217	171	22.1	17.4	0.12~0.27	1.89
MM5-25				28	100	125	132.07	100	60.82	41.04	25	50	30	65.15	413	329	42.1	33.6	0.14~0.34	3.41
MM2-30	1	30	B3	12	45	60	62.83	50	29.43	21.41	12.5	25	12	36.06	35.7	31.1	3.64	3.17	0.06~0.16	0.37
MM2.5-30				16	60	75	78.54	62	36.28	26.27	17	32	15	47.57	69.7	61.5	7.11	6.27	0.07~0.17	0.76
MM3-30				20	70	90	94.24	75	45.47	32.12	20	40	20	53.43	129	115	13.2	11.7	0.08~0.18	1.32
MM4-30				28	100	120	125.66	95	54.52	37.83	25	50	25	79.29	293	266	29.9	27.1	0.12~0.27	3.09
MM5-30				28	130	150	157.07	120	68.56	48.54	35	62	30	99.15	558	513	56.9	52.3	0.14~0.34	6.47

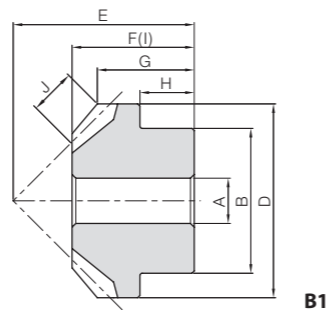
Bore H7	* The product shapes of J Series items are identified by background color.																											
	12	14	15	16	17	18	19	20	22	25	28	30	32	35	40	45	50	55	60	65	70	75	80	85				
Keyway J _{S9}	4x1.8	5x2.3				6x2.8				8x3.3				10x3.3				12x3.3	14x3.8	16x4.3	18x4.4	20x4.9	22x5.4					
Screw size	M4				M5				M6				M8				M10				M12				M16			
Catalog Number	MM2-20 J BORE	MM2.5-20 J BORE	MM3-20 J BORE	MM4-20 J BORE	MM5-20 J BORE	MM2-25 J BORE	MM2.5-25 J BORE	MM3-25 J BORE	MM4-25 J BORE	MM5-25 J BORE	MM2-30 J BORE	MM2.5-30 J BORE	MM3-30 J BORE	MM4-30 J BORE	MM5-30 J BORE													

LM Module 0.8~1.5
Sintered Metal Miter Gears

Sintered Metal Miter Gears



Specifications	
Precision grade	JIS B 1704: 1978 grade 5
Gear teeth	Gleason
Pressure angle	20°
Material	SMF5040
Heat treatment	—
Tooth hardness	(70 to 95HRB)



B1

Catalog Number	Gear Ratio	Module	No. of teeth	Shape	Specifications							
					Bore A _{H8}	Hub dia. B	Pitch dia. C	Outside dia. D	Mounting distance E	Total length F	Crown to back G	Hub width H
LM0.8-20	1	m0.8	20	B1	4	12	16	17.13	16	11	8.57	5.5
LM1-20		m1			5	16	20	21.41	20	13.5	10.71	6
LM1.25-20		m1.25			6	22	25	26.77	23	15	11.38	6
LM1.5-20		m1.5			6	26	30	32.12	30	21	16.06	9

Hole length I	Face width J	Holding surface dia.	Allowable torque (N·m)		Allowable torque (kgf·m)		Backlash (mm)	Weight (g)	Catalog Number
			Bending strength	Surface durability	Bending strength	Surface durability			
11	4.24	—	0.22	0.027	0.022	0.0027	0~0.16	9.67	LM0.8-20
13.5	4.95		0.41	0.050	0.042	0.0051	0~0.18	20.7	LM1-20
15	6.36		0.81	0.099	0.083	0.010	0~0.20	38.8	LM1.25-20
21	8.48		1.48	0.19	0.15	0.019	0~0.22	78.6	LM1.5-20