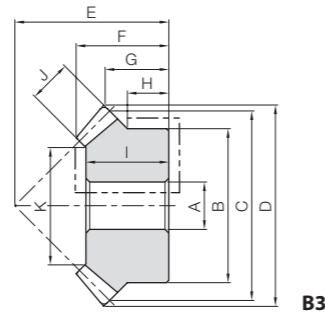




Specifications	
Precision grade	JIS B 1704: 1978 grade 4
Gear teeth	Gleason
Pressure angle	20°
Helix angle	35°
Material	SCM415
Heat treatment	Carburized *
Tooth hardness	55 to 60HRC
Surface treatment	Black oxide coating



B3

\* In the illustration, the area surrounded with ---- line is masked during the carburization process (max. HRC40 or so) and can be modified.

Catalog Number	Gear Ratio	Module	No. of teeth	Direction of spiral	Shape	Bore		Hub dia.	Pitch dia.	Outside dia.	Mounting distance	Total length	Crown to back
						A <sub>H7</sub>	B	C	D	E	F	G	
MMS2-20R MMS2-20L	1	m2	20	R L	B3	12	34	40	42.31	35	22.14	16.15	
MMS2.5-20R MMS2.5-20L		m2.5		R L		15	42	50	53.2	45	28.63	21.6	
MMS3-20R MMS3-20L		m3		R L		16	52	60	63.99	50	30.78	21.99	
MMS4-20R MMS4-20L		m4		R L		20	65	80	84.99	65	39.13	27.5	
MMS5-20R MMS5-20L		m5		R L		25	85	100	106.25	75	42.99	28.13	
MMS2-25R MMS2-25L	1	m2	25	R L	B3	12	45	50	52.4	40	24.19	16.2	
MMS2.5-25R MMS2.5-25L		m2.5		R L		16	55	62.5	65.54	50	30.24	20.27	
MMS3-25R MMS3-25L		m3		R L		20	65	75	78.77	60	37.57	24.39	
MMS4-25R MMS4-25L		m4		R L		25	85	100	104.7	80	49.14	32.35	
MMS5-25R MMS5-25L		m5		R L		28	100	125	130.86	100	60.59	40.43	
MMS4-30R MMS4-30L	1	m4	30	R L	B3	28	100	120	124.71	95	54.28	37.35	
MMS5-30R MMS5-30L		m5		R L		28	130	150	155.9	120	68.2	47.95	

Hub width	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			
H	I	J	K							
12	20	9	24.54	17.0	17.3	1.73	1.76	0.06~0.16	0.13	MMS2-20R MMS2-20L
16	26	11	30.89	32.7	33.7	3.34	3.44	0.07~0.17	0.26	MMS2.5-20R MMS2.5-20L
16	27	14	34.4	58.7	61.1	5.98	6.23	0.08~0.18	0.43	MMS3-20R MMS3-20L
17.5	35	18	49.08	136	144	13.9	14.7	0.12~0.27	0.92	MMS4-20R MMS4-20L
17.5	38	23	60.95	269	288	27.5	29.4	0.14~0.34	1.65	MMS5-20R MMS5-20L
12.5	21	12	28.06	29.1	36.3	2.96	3.70	0.06~0.16	0.25	MMS2-25R MMS2-25L
15	27	15	36.57	56.7	71.8	5.79	7.32	0.07~0.17	0.47	MMS2.5-25R MMS2.5-25L
17.5	33	20	39.43	104	133	10.6	13.6	0.08~0.18	0.81	MMS3-25R MMS3-25L
22.5	44	25	57.29	238	309	24.3	31.5	0.12~0.27	1.88	MMS4-25R MMS4-25L
25	50	30	65.15	454	595	46.3	60.7	0.14~0.34	3.39	MMS5-25R MMS5-25L
25	50	25	79.29	348	488	35.5	49.8	0.12~0.27	3.07	MMS4-30R MMS4-30L
35	62	30	99.15	662	941	67.5	96.0	0.14~0.34	6.44	MMS5-30R MMS5-30L

