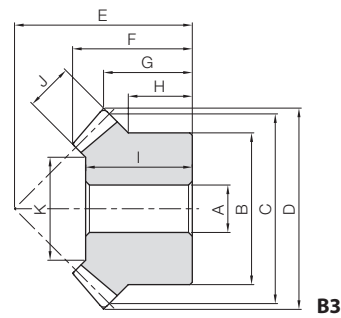




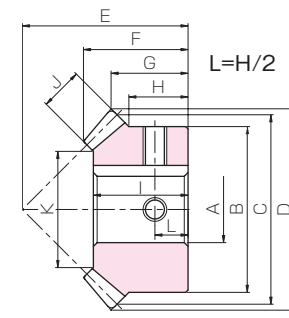
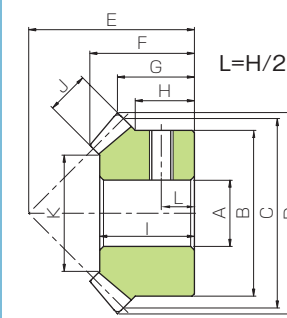
Specifications	
Precision grade	JIS B 1704: 1978 grade 4
Gear teeth	Gleason
Pressure angle	20°
Helix angle	35°
Material	S45C
Heat treatment	Gear teeth induction hardened
Tooth hardness	50 to 60HRC
Surface treatment	Black oxide coating

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



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

Catalog Number	Gear Ratio	No. of teeth	Shape	Direction of spiral	Bore	Hub dia.	Pitch dia.	Outside dia.	Mounting distance	Total length	Crown to back	Hub width	Hole length	Face width	Holding surface dia.	Allowable torque (N·m)		Allowable torque (kgf·m)		Backlash	Weight
					A _{H7}	B	C	D	E	F	G	H	I	J	K	Bending strength	Surface durability	Bending strength	Surface durability	(mm)	(kg)
SMS1-20R SMS1-20L	1	20	B3	R L	6	16	20	21.3	20	13.84	10.65	8	12	5	9.86	1.07	0.65	0.11	0.067	0.03~0.13	0.019
SMS1.5-20R SMS1.5-20L				R L	8	26	30	31.74	30	21.18	15.87	13	19	8	15.37	3.73	2.33	0.38	0.24	0.05~0.15	0.074
SMS2-20R SMS2-20L				R L	12	34	40	42.4	37	24.75	18.2	14	22	10	21.72	8.54	5.40	0.87	0.55	0.06~0.16	0.15
SMS2.5-20R SMS2.5-20L				R L	14	42	50	52.94	48	32.42	24.47	19	29	12	28.06	16.3	10.5	1.66	1.07	0.07~0.17	0.30
SMS3-20R SMS3-20L				R L	16	50	60	63.72	58	39.6	29.86	23	35	15	31.57	28.8	18.7	2.94	1.91	0.08~0.18	0.52
SMS3.5-20R SMS3.5-20L				R L	20	60	70	74.47	65	43.81	32.23	25	40	18	39.09	46.5	30.4	4.74	3.10	0.10~0.25	0.82
SMS4-20R SMS4-20L				R L	20	64	80	84.88	75	50.51	37.44	27	45	20	43.43	68.3	45.0	6.97	4.59	0.12~0.27	1.15
SMS5-20R SMS5-20L				R L	25	80	100	105.9	90	60.16	42.95	30	54	26	54.46	136	90.9	13.9	9.27	0.14~0.34	2.13
SMS6-20R SMS6-20L				R L	28	100	120	127.16	104	67.35	47.58	34	60	30	67.15	226	155	23.0	15.8	0.16~0.36	3.65
SMS8-20R SMS8-20L				R L	30	130	160	169.94	125	72.6	49.97	30	62	35	95	484	344	49.4	35.1	0.20~0.45	7.00
SMS1-25R SMS1-25L	1	25	B3	R L	6	20	25	26.22	23	15.08	11.11	8	14	6	15.03	1.71	1.28	0.17	0.13	0.03~0.13	0.035
SMS1.5-25R SMS1.5-25L				R L	10	30	37.5	39.31	34	22.14	16.16	11.5	19	9	19.54	5.78	4.42	0.59	0.45	0.05~0.15	0.11
SMS2-25R SMS2-25L				R L	12	40	50	52.38	40	24.2	16.19	10	20	12	26.06	13.7	10.7	1.40	1.09	0.06~0.16	0.21
SMS2.5-25R SMS2.5-25L				R L	16	50	62.5	65.54	50	30.24	20.27	12.5	26	15	34.57	26.8	21.1	2.73	2.15	0.07~0.17	0.42
SMS3-25R SMS3-25L				R L	20	60	75	78.77	60	37.57	24.39	15	32	20	37.43	49.1	39.1	5.00	3.98	0.08~0.18	0.74
SMS3.5-25R SMS3.5-25L				R L	25	70	87.5	91.81	70	42.98	28.41	17.5	37	22	46.77	75.4	60.6	7.69	6.18	0.10~0.25	1.14
SMS4-25R SMS4-25L				R L	28	80	100	104.7	80	49.14	32.35	20	43	25	55.29	112	90.7	11.5	9.25	0.12~0.27	1.71
SMS5-25R SMS5-25L				R L	28	100	125	130.86	100	60.59	40.43	25	50	30	65.15	214	175	21.8	17.8	0.14~0.34	3.39
SMS6-25R SMS6-25L				R L	28	120	150	157.17	120	71.97	48.58	30	61	35	83	357	300	36.4	30.6	0.16~0.36	5.99
SMS2-30R SMS2-30L	1	30	B3	R L	12	45	60	62.42	50	29.27	21.21	12.5	25	12	36.06	18.2	16.9	1.86	1.72	0.06~0.16	0.37
SMS2.5-30R SMS2.5-30L				R L	16	60	75	78.04	62	36.08	26.02	17	32	15	47.57	35.6	33.4	3.63	3.40	0.07~0.17	0.76
SMS3-30R SMS3-30L				R L	20	70	90	93.61	75	45.25	31.8	20	40	20	53.43	65.8	62.3	6.71	6.35	0.08~0.18	1.32
SMS3.5-30R SMS3.5-30L				R L	25	90	105	109.21	85	49.4	34.6	25	45	22	67.77	101	96.0	10.3	9.79	0.10~0.25	2.19
SMS4-30R SMS4-30L				R L	28	100	120	124.71	95	54.28	37.35	25	50	25	79.29	150	144	15.3	14.7	0.12~0.27	3.07
SMS5-30R SMS5-30L				R L	28	130	150	155.90	120	68.2	47.95	35	62	30	99.15	284	276	29.0	28.1	0.14~0.34	6.44

[Caution on Product Characteristics] ① The bore may slightly vary due to the effect of heat treatment. When using with the listed bore diameter, you may need to ream the bore prior to use.

[illegible]

[Caution on J series] ① **Cancellation is not possible** for made-to-order products. See page 42 for lead times and allowable order quantities. See page 44 for other precautions.