



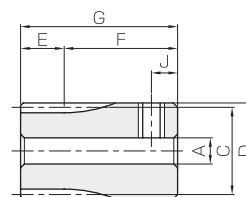
SS Steel Spur Gears

Module 0.5



Specifications	
Precision grade	JIS grade N8 (JIS B1702-1: 1998) * JIS grade 4 (JIS B1702: 1976)
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	—
Tooth hardness	less than 194HB

* The precision grade of products with a module of less than 0.8 is equivalent to the value shown in the table.

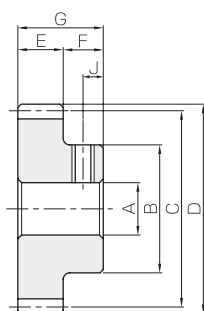


S3T

Catalog No.	Module	No. of teeth	Shape	Bore	Hub dia.	Pitch dia.	Outside dia.	Face width	Hub width	Total length	Keyway
				A _{H7}	B	C	D	E	F	G	Width×Depth
SS0.5-15A	m0.5	15	S3T	3	8.5	7.5	8.5	5	11	16	—
SS0.5-16A		16	S3T	3	9	8	9	5	11	16	—
SS0.5-17A		17	S3T	3	9.5	8.5	9.5	5	11	16	—
SS0.5-18A		18	S3T	4	10	9	10	5	11	16	—
SS0.5-19A		19	S3T	4	10.5	9.5	10.5	5	11	16	—
SS0.5-20A		20	S3T	3	11	10	11	5	11	16	—
SS0.5-20B			S3T	4							—
SS0.5-21A		21	S3T	4	11.5	10.5	11.5	5	11	16	—
SS0.5-22A		22	S3T	4	12	11	12	5	11	16	—
SS0.5-23A		23	S3T	4	12.5	11.5	12.5	5	11	16	—
SS0.5-24A		24	S3T	4	13	12	13	5	11	16	—
SS0.5-24B			S3T	5							—
SS0.5-25A		25	S3T	4	13.5	12.5	13.5	5	11	16	—
SS0.5-25B			S3T	5							—
SS0.5-26A		26	S3T	4	14	13	14	5	11	16	—
SS0.5-27A		27	S3T	4	14.5	13.5	14.5	5	11	16	—
SS0.5-28A		28	S1T	4	12	14	15	5	7	12	—
SS0.5-29A		29	S1T	4	12	14.5	15.5	5	7	12	—
SS0.5-30A		30	S1T	4	13	15	16	5	7	12	—
SS0.5-30B			S1T	5							—
SS0.5-30C			S1T	6							—
SS0.5-32A		32	S1T	5	14	16	17	5	7	12	—
SS0.5-34A		34	S1T	5	15	17	18	5	7	12	—
SS0.5-35A		35	S1T	5	15	17.5	18.5	5	7	12	—
SS0.5-36A		36	S1T	5	16	18	19	5	7	12	—
SS0.5-38A		38	S1T	5	16	19	20	5	7	12	—
SS0.5-40A		40	S1T	5	18	20	21	5	7	12	—
SS0.5-40B			S1T	6							—
SS0.5-42A		42	S1T	5	18	21	22	5	7	12	—
SS0.5-44A		44	S1T	5	20	22	23	5	7	12	—
SS0.5-45A		45	S1T	5	20	22.5	23.5	5	7	12	—
SS0.5-46A		46	S1T	5	20	23	24	5	7	12	—
SS0.5-48A		48	S1T	5	22	24	25	5	7	12	—
SS0.5-50A		50	S1T	5	22	25	26	5	7	12	—
SS0.5-50B			S1T	6							—
SS0.5-52A		52	S1T	5	22	26	27	5	7	12	—
SS0.5-54A		54	S1T	5	25	27	28	5	7	12	—
SS0.5-55A		55	S1T	5	25	27.5	28.5	5	7	12	—
SS0.5-56A		56	S1T	5	25	28	29	5	7	12	—
SS0.5-58A		58	S1T	5	25	29	30	5	7	12	—
SS0.5-60A		60	S1T	6	28	30	31	5	7	12	—
SS0.5-60B			S1T	8							—
SS0.5-62A		62	S1T	6	28	31	32	5	7	12	—
SS0.5-64A		64	S1T	6	28	32	33	5	7	12	—
SS0.5-65A		65	S1T	6	28	32.5	33.5	5	7	12	—
SS0.5-66A		66	S1T	6	28	33	34	5	7	12	—
SS0.5-68A		68	S1T	6	28	34	35	5	7	12	—
SS0.5-70A		70	S1T	6	28	35	36	5	7	12	—
SS0.5-70B			S1T	8							—
SS0.5-72A		72	S1T	6	28	36	37	5	7	12	—

[Caution on Product Characteristics]

- ① For products with a tapped hole, a set screw is included.
- ② The allowable torques shown in the table are calculated values according to the assumed usage conditions. Please see page 35 for more details.
- ③ The backlash values shown in the table are the theoretical values for the backlash in the normal direction of a pair of identical gears in mesh.
- ④ If the bore size is less than $\phi 4$, the tolerance is H8. If the bore size is $\phi 5$ or $\phi 6$, and the hole length exceeds 3 times of the bore size, the tolerance is also H8.



S1T

Set Screw		Allowable torque (N·m)		Allowable torque (kgf·m)		Backlash (mm)	Weight (kg)	Catalog No.
Size	J	Bending strength	Surface durability	Bending strength	Surface durability			
M3	2.5	0.46	0.022	0.047	0.0022	0~0.10	0.0056	SS0.5-15A
M3	2.5	0.51	0.025	0.052	0.0025	0~0.10	0.0064	SS0.5-16A
M3	2.5	0.56	0.028	0.057	0.0029	0~0.10	0.0073	SS0.5-17A
M3	2.5	0.61	0.032	0.063	0.0033	0~0.10	0.0076	SS0.5-18A
M3	2.5	0.67	0.036	0.068	0.0036	0~0.10	0.0085	SS0.5-19A
M3	2.5	0.72	0.040	0.073	0.0041	0~0.10	0.010	SS0.5-20A
M3	2.5						0.0095	SS0.5-20B
M3	2.5	0.77	0.044	0.079	0.0045	0~0.10	0.011	SS0.5-21A
M3	2.5	0.83	0.049	0.084	0.0050	0~0.10	0.012	SS0.5-22A
M3	2.5	0.88	0.054	0.090	0.0055	0~0.10	0.013	SS0.5-23A
M3	2.5	0.93	0.059	0.095	0.0060	0~0.10	0.014	SS0.5-24A
M4	3						0.013	SS0.5-24B
M3	2.5	0.99	0.064	0.10	0.0065	0~0.10	0.015	SS0.5-25A
M4	3						0.014	SS0.5-25B
M3	2.5	1.04	0.069	0.11	0.0071	0~0.10	0.017	SS0.5-26A
M3	2.5	1.10	0.075	0.11	0.0076	0~0.10	0.018	SS0.5-27A
M3	3.5	1.16	0.081	0.12	0.0082	0~0.10	0.011	SS0.5-28A
M3	3.5	1.21	0.087	0.12	0.0088	0~0.10	0.011	SS0.5-29A
M3	3.5	1.27	0.093	0.13	0.0095	0~0.10	0.013	SS0.5-30A
M4	3.5						0.012	SS0.5-30B
M4	3.5						0.011	SS0.5-30C
M4	3.5	1.38	0.11	0.14	0.011	0~0.10	0.014	SS0.5-32A
M4	3.5	1.50	0.12	0.15	0.012	0~0.10	0.016	SS0.5-34A
M4	3.5	1.55	0.13	0.16	0.013	0~0.10	0.017	SS0.5-35A
M4	3.5	1.61	0.14	0.16	0.014	0~0.10	0.019	SS0.5-36A
M4	3.5	1.73	0.15	0.18	0.015	0~0.10	0.020	SS0.5-38A
M4	3.5	1.84	0.17	0.19	0.017	0~0.10	0.024	SS0.5-40A
M4	3.5						0.023	SS0.5-40B
M4	3.5	1.96	0.19	0.20	0.019	0~0.10	0.025	SS0.5-42A
M4	3.5	2.08	0.20	0.21	0.021	0~0.10	0.030	SS0.5-44A
M4	3.5	2.14	0.21	0.22	0.022	0~0.10	0.030	SS0.5-45A
M4	3.5	2.19	0.22	0.22	0.023	0~0.10	0.031	SS0.5-46A
M4	3.5	2.31	0.25	0.24	0.025	0~0.10	0.036	SS0.5-48A
M4	3.5	2.43	0.27	0.25	0.027	0~0.10	0.038	SS0.5-50A
M4	3.5						0.037	SS0.5-50B
M4	3.5	2.55	0.29	0.26	0.030	0~0.10	0.039	SS0.5-52A
M4	3.5	2.67	0.32	0.27	0.032	0~0.10	0.047	SS0.5-54A
M4	3.5	2.73	0.33	0.28	0.033	0~0.10	0.048	SS0.5-55A
M4	3.5	2.79	0.34	0.28	0.035	0~0.10	0.048	SS0.5-56A
M4	3.5	2.91	0.37	0.30	0.037	0~0.10	0.050	SS0.5-58A
M4	3.5	3.03	0.39	0.31	0.040	0~0.10	0.058	SS0.5-60A
M5	3.5						0.055	SS0.5-60B
M4	3.5	3.15	0.42	0.32	0.043	0~0.10	0.060	SS0.5-62A
M4	3.5	3.27	0.45	0.33	0.046	0~0.10	0.062	SS0.5-64A
M4	3.5	3.33	0.47	0.34	0.048	0~0.10	0.063	SS0.5-65A
M4	3.5	3.39	0.48	0.35	0.049	0~0.10	0.064	SS0.5-66A
M4	3.5	3.51	0.51	0.36	0.052	0~0.10	0.066	SS0.5-68A
M4	3.5	3.63	0.55	0.37	0.056	0~0.10	0.068	SS0.5-70A
M5	3.5						0.065	SS0.5-70B
M4	3.5	3.75	0.58	0.38	0.059	0~0.10	0.070	SS0.5-72A

[Caution on Secondary Operations]

- ① Please read "Caution on Performing Secondary Operations" (Page 36) when performing modifications and/or secondary operations for safety concerns. Haguruma Kobo, the KHK's system for quick modification of KHK stock gears is also available.
- ② Avoid performing secondary operations that narrow the tooth width as it affects precision and strength.



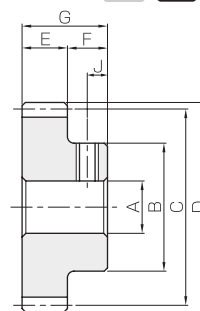
SS Steel Spur Gears



Specifications	
Precision grade	JIS grade N8 (JIS B1702-1: 1998) * JIS grade 4 (JIS B1702: 1976)
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	—
Tooth hardness	less than 194HB

* The precision grade of products with a module of less than 0.8 is equivalent to the value shown in the table.

Module 0.5



S1T

Catalog No.	Module	No. of teeth	Shape	Bore	Hub dia.	Pitch dia.	Outside dia.	Face width	Hub width	Total length	Keyway
				A _{H7}	B	C	D	E	F	G	Width×Depth
SS0.5-75A	m0.5	75	S1T	6	28	37.5	38.5	5	7	12	—
SS0.5-76A		76	S1T	6	28	38	39	5	7	12	—
SS0.5-80A		80	S1T	6	28	40	41	5	7	12	—
SS0.5-80B			S1T	8							—
SS0.5-84A		84	S1T	8	28	42	43	5	7	12	—
SS0.5-85A		85	S1T	8	28	42.5	43.5	5	7	12	—
SS0.5-88A		88	S1T	8	28	44	45	5	7	12	—
SS0.5-90A		90	S1T	8	28	45	46	5	7	12	—
SS0.5-95A		95	S1T	8	28	47.5	48.5	5	7	12	—
SS0.5-96A		96	S1T	8	28	48	49	5	7	12	—
SS0.5-100A		100	S1T	8	28	50	51	5	7	12	—
SS0.5-105A		105	S1T	8	28	52.5	53.5	5	7	12	—
SS0.5-110A		110	S1T	8	28	55	56	5	7	12	—
SS0.5-115A		115	S1T	8	28	57.5	58.5	5	7	12	—
SS0.5-120A		120	S1T	8	28	60	61	5	7	12	—

[Caution on Product Characteristics]

- ① For products with a tapped hole, a set screw is included.
- ② The allowable torques shown in the table are calculated values according to the assumed usage conditions. Please see page 35 for more details.
- ③ The backlash values shown in the table are the theoretical values for the backlash in the normal direction of a pair of identical gears in mesh.
- ④ If the bore size is less than $\phi 4$, the tolerance is H8. If the bore size is $\phi 5$ or $\phi 6$, and the hole length exceeds 3 times of the bore size, the tolerance is also H8.

Set Screw		Allowable torque (N·m)		Allowable torque (kgf·m)		Backlash (mm)	Weight (kg)	Catalog No.
Size	J	Bending strength	Surface durability	Bending strength	Surface durability			
M4	3.5	3.93	0.63	0.40	0.064	0~0.10	0.074	SS0.5-75A
M4	3.5	3.99	0.65	0.41	0.066	0~0.10	0.075	SS0.5-76A
M4	3.5	4.24	0.72	0.43	0.074	0~0.10	0.079	SS0.5-80A
M5	3.5						0.077	SS0.5-80B
M5	3.5	4.48	0.80	0.46	0.082	0~0.10	0.082	SS0.5-84A
M5	3.5	4.54	0.82	0.46	0.084	0~0.10	0.083	SS0.5-85A
M5	3.5	4.72	0.89	0.48	0.090	0~0.10	0.087	SS0.5-88A
M5	3.5	4.85	0.93	0.49	0.095	0~0.10	0.090	SS0.5-90A
M5	3.5	5.15	1.04	0.53	0.11	0~0.10	0.097	SS0.5-95A
M5	3.5	5.21	1.06	0.53	0.11	0~0.10	0.099	SS0.5-96A
M5	3.5	5.46	1.16	0.56	0.12	0~0.10	0.10	SS0.5-100A
M5	3.5	5.76	1.28	0.59	0.13	0~0.10	0.11	SS0.5-105A
M5	3.5	6.07	1.42	0.62	0.14	0~0.10	0.12	SS0.5-110A
M5	3.5	6.38	1.56	0.65	0.16	0~0.10	0.13	SS0.5-115A
M5	3.5	6.68	1.70	0.68	0.17	0~0.10	0.14	SS0.5-120A

[Caution on Secondary Operations]

- ① Please read “Caution on Performing Secondary Operations” (Page 36) when performing modifications and/or secondary operations for safety concerns. Haguruma Kobo, the KHK's system for quick modification of KHK stock gears is also available.
- ② Avoid performing secondary operations that narrow the tooth width as it affects precision and strength.