



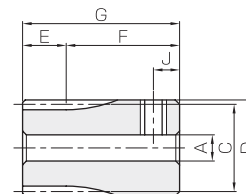
SS Steel Spur Gears

Module 0.8



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.

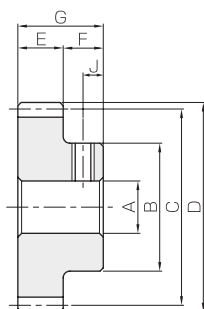


S3T

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
SS0.8-15A	m0.8	15	S3T	5	13.6	12	13.6	8	14	22	—
SS0.8-16A		16	S3T	5	14.4	12.8	14.4	8	14	22	—
SS0.8-17A		17	S3T	5	15.2	13.6	15.2	8	14	22	—
SS0.8-18A		18	S3T	5	16	14.4	16	8	14	22	—
SS0.8-19A		19	S1T	5	12	15.2	16.8	8	8	16	—
SS0.8-20A		20	S1T	5	13	16	17.6	8	8	16	—
SS0.8-20B			S1T	6							—
SS0.8-21A		21	S1T	6	14	16.8	18.4	8	8	16	—
SS0.8-22A		22	S1T	6	15	17.6	19.2	8	8	16	—
SS0.8-23A		23	S1T	6	15	18.4	20	8	8	16	—
SS0.8-24A		24	S1T	5	16	19.2	20.8	8	8	16	—
SS0.8-24B			S1T	6							—
SS0.8-25A		25	S1T	5	16	20	21.6	8	8	16	—
SS0.8-25B			S1T	6							—
SS0.8-26A		26	S1T	6	18	20.8	22.4	8	8	16	—
SS0.8-27A		27	S1T	6	18	21.6	23.2	8	8	16	—
SS0.8-28A		28	S1T	6	18	22.4	24	8	8	16	—
SS0.8-29A		29	S1T	6	20	23.2	24.8	8	8	16	—
SS0.8-30A		30	S1T	5	20	24	25.6	8	8	16	—
SS0.8-30B			S1T	6							—
SS0.8-30C			S1T	8							—
SS0.8-32A		32	S1T	6	22	25.6	27.2	8	8	16	—
SS0.8-34A		34	S1T	6	22	27.2	28.8	8	8	16	—
SS0.8-35A		35	S1T	6	25	28	29.6	8	8	16	—
SS0.8-36A		36	S1T	6	25	28.8	30.4	8	8	16	—
SS0.8-38A		38	S1T	6	25	30.4	32	8	8	16	—
SS0.8-40A		40	S1T	6	28	32	33.6	8	8	16	—
SS0.8-40B			S1T	8							—
SS0.8-42A		42	S1T	6	28	33.6	35.2	8	8	16	—
SS0.8-44A		44	S1T	6	28	35.2	36.8	8	8	16	—
SS0.8-45A		45	S1T	6	28	36	37.6	8	8	16	—
SS0.8-46A		46	S1T	6	28	36.8	38.4	8	8	16	—
SS0.8-48A		48	S1T	6	28	38.4	40	8	8	16	—
SS0.8-50A		50	S1T	6	28	40	41.6	8	8	16	—
SS0.8-50B			S1T	8							—
SS0.8-52A		52	S1T	6	28	41.6	43.2	8	8	16	—
SS0.8-54A		54	S1T	6	28	43.2	44.8	8	8	16	—
SS0.8-55A		55	S1T	6	28	44	45.6	8	8	16	—
SS0.8-56A		56	S1T	6	28	44.8	46.4	8	8	16	—
SS0.8-58A		58	S1T	6	28	46.4	48	8	8	16	—
SS0.8-60A		60	S1T	6	28	48	49.6	8	8	16	—
SS0.8-60B			S1T	8							—
SS0.8-62A		62	S1T	6	28	49.6	51.2	8	8	16	—
SS0.8-64A		64	S1T	6	28	51.2	52.8	8	8	16	—
SS0.8-65A		65	S1T	6	28	52	53.6	8	8	16	—
SS0.8-66A		66	S1T	6	28	52.8	54.4	8	8	16	—
SS0.8-68A		68	S1T	6	28	54.4	56	8	8	16	—
SS0.8-70A		70	S1T	6	28	56	57.6	8	8	16	—
SS0.8-70B			S1T	8							—
SS0.8-72A		72	S1T	6	28	57.6	59.2	8	8	16	—

[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			
M4	3.5	1.89	0.088	0.19	0.0090	0~0.10	0.019	SS0.8-15A
M4	3.5	2.10	0.10	0.21	0.010	0~0.10	0.022	SS0.8-16A
M4	3.5	2.30	0.12	0.23	0.012	0~0.10	0.025	SS0.8-17A
M4	3.5	2.51	0.13	0.26	0.013	0~0.10	0.028	SS0.8-18A
M4	4	2.73	0.15	0.28	0.015	0~0.10	0.016	SS0.8-19A
M4	4	2.94	0.17	0.30	0.017	0~0.10	0.018	SS0.8-20A
M4	4						0.017	SS0.8-20B
M4	4	3.16	0.18	0.32	0.019	0~0.10	0.020	SS0.8-21A
M4	4	3.38	0.20	0.34	0.021	0~0.10	0.022	SS0.8-22A
M4	4	3.60	0.22	0.37	0.023	0~0.10	0.024	SS0.8-23A
M4	4	3.82	0.25	0.39	0.025	0~0.10	0.028	SS0.8-24A
M4	4						0.027	SS0.8-24B
M4	4	4.05	0.27	0.41	0.027	0~0.10	0.029	SS0.8-25A
M4	4						0.028	SS0.8-25B
M4	4	4.28	0.29	0.44	0.030	0~0.10	0.033	SS0.8-26A
M4	4	4.50	0.31	0.46	0.032	0~0.10	0.035	SS0.8-27A
M4	4	4.73	0.34	0.48	0.035	0~0.10	0.037	SS0.8-28A
M4	4	4.96	0.37	0.51	0.037	0~0.10	0.042	SS0.8-29A
M4	4	5.19	0.39	0.53	0.040	0~0.10	0.045	SS0.8-30A
M4	4						0.044	SS0.8-30B
M5	4						0.041	SS0.8-30C
M4	4	5.66	0.45	0.58	0.046	0~0.10	0.052	SS0.8-32A
M4	4	6.13	0.51	0.62	0.052	0~0.10	0.056	SS0.8-34A
M4	4	6.36	0.55	0.65	0.056	0~0.10	0.065	SS0.8-35A
M4	4	6.60	0.58	0.67	0.059	0~0.10	0.067	SS0.8-36A
M4	4	7.07	0.65	0.72	0.066	0~0.10	0.072	SS0.8-38A
M4	4	7.55	0.72	0.77	0.074	0~0.10	0.085	SS0.8-40A
M5	4						0.081	SS0.8-40B
M4	4	8.03	0.80	0.82	0.082	0~0.10	0.090	SS0.8-42A
M4	4	8.51	0.88	0.87	0.090	0~0.10	0.095	SS0.8-44A
M4	4	8.75	0.93	0.89	0.095	0~0.10	0.098	SS0.8-45A
M4	4	8.99	0.97	0.92	0.099	0~0.10	0.10	SS0.8-46A
M4	4	9.47	1.06	0.97	0.11	0~0.10	0.11	SS0.8-48A
M4	4	9.96	1.16	1.02	0.12	0~0.10	0.11	SS0.8-50A
M5	4						0.11	SS0.8-50B
M4	4	10.4	1.26	1.07	0.13	0~0.10	0.12	SS0.8-52A
M4	4	10.9	1.36	1.12	0.14	0~0.10	0.13	SS0.8-54A
M4	4	11.2	1.42	1.14	0.14	0~0.10	0.13	SS0.8-55A
M4	4	11.4	1.47	1.16	0.15	0~0.10	0.13	SS0.8-56A
M4	4	11.9	1.59	1.21	0.16	0~0.10	0.14	SS0.8-58A
M4	4	12.4	1.70	1.26	0.17	0~0.10	0.15	SS0.8-60A
M5	4						0.14	SS0.8-60B
M4	4	12.9	1.82	1.32	0.19	0~0.10	0.16	SS0.8-62A
M4	4	13.4	1.95	1.37	0.20	0~0.10	0.16	SS0.8-64A
M4	4	13.6	2.01	1.39	0.21	0~0.10	0.17	SS0.8-65A
M4	4	13.9	2.08	1.42	0.21	0~0.10	0.17	SS0.8-66A
M4	4	14.4	2.22	1.47	0.23	0~0.10	0.18	SS0.8-68A
M4	4	14.9	2.35	1.52	0.24	0~0.10	0.19	SS0.8-70A
M5	4						0.19	SS0.8-70B
M4	4	15.4	2.50	1.57	0.25	0~0.10	0.20	SS0.8-72A

- [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.



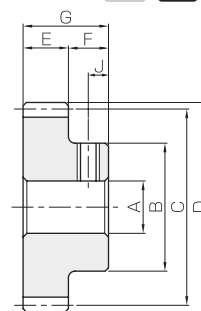
SS Steel Spur Gears



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 0.8



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
SS0.8-75A	m0.8	75	S1T	6	28	60	61.6	8	8	16	—
SS0.8-76A		76	S1T	6	28	60.8	62.4	8	8	16	—
SS0.8-80A		80	S1T	6	28	64	65.6	8	8	16	—
SS0.8-80B			S1T	8							—
SS0.8-84A		84	S1T	8	28	67.2	68.8	8	8	16	—
SS0.8-85A		85	S1T	8	28	68	69.6	8	8	16	—
SS0.8-88A		88	S1T	8	28	70.4	72	8	8	16	—
SS0.8-90A		90	S1T	8	28	72	73.6	8	8	16	—
SS0.8-95A		95	S1T	8	28	76	77.6	8	8	16	—
SS0.8-96A		96	S1T	8	28	76.8	78.4	8	8	16	—
SS0.8-100A		100	S1T	8	28	80	81.6	8	8	16	—
SS0.8-105A		105	S1T	8	28	84	85.6	8	8	16	—
SS0.8-110A		110	S1T	8	28	88	89.6	8	8	16	—
SS0.8-115A		115	S1T	8	28	92	93.6	8	8	16	—
SS0.8-120A		120	S1T	8	28	96	97.6	8	8	16	—

[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	4	16.1	2.72	1.64	0.28	0~0.10	0.21	SS0.8-75A
M4	4	16.4	2.80	1.67	0.29	0~0.10	0.22	SS0.8-76A
M4	4	17.4	3.11	1.77	0.32	0~0.10	0.24	SS0.8-80A
M5	4						0.23	SS0.8-80B
M5	4	18.4	3.45	1.87	0.35	0~0.10	0.25	SS0.8-84A
M5	4	18.6	3.54	1.90	0.36	0~0.10	0.26	SS0.8-85A
M5	4	19.4	3.80	1.97	0.39	0~0.10	0.28	SS0.8-88A
M5	4	19.9	3.99	2.02	0.41	0~0.10	0.29	SS0.8-90A
M5	4	21.1	4.47	2.15	0.46	0~0.10	0.32	SS0.8-95A
M5	4	21.4	4.57	2.18	0.47	0~0.10	0.32	SS0.8-96A
M5	4	22.4	4.98	2.28	0.51	0~0.10	0.35	SS0.8-100A
M5	4	23.6	5.52	2.41	0.56	0~0.10	0.38	SS0.8-105A
M5	4	24.9	6.09	2.54	0.62	0~0.10	0.41	SS0.8-110A
M5	4	26.1	6.69	2.66	0.68	0~0.10	0.45	SS0.8-115A
M5	4	27.4	7.32	2.79	0.75	0~0.10	0.49	SS0.8-120A

[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.