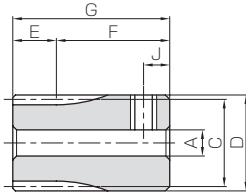
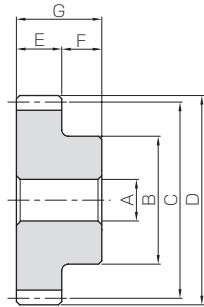


Specifications	
Precision grade	JIS grade N8 (JIS B1702-1: 1998)* JIS grade 4 (JIS B1702: 1976)
Gear teeth	Standard full depth
Pressure angle	20°
Material	Free cutting brass (C3604)
Heat treatment	—
Tooth hardness	(more than 80HV)

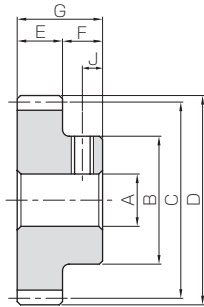
\*The precision grade of products with a module of less than 0.8 is equivalent to the value shown in the table.



S3T



S1



S1T

Catalog No.	Module	No. of teeth	Shape	Bore	Hub dia.	Pitch dia.	Outside dia.	Face width	Hub width	Total length	Keyway
				AH7	B	C	D	E	F	G	Width×Depth
KBSS0.5-15A	m0.5	15	S3T	3	8.5	7.5	8.5	3	11	14	—
KBSS0.5-16A		16	S3T	3	9	8	9	3	11	14	—
KBSS0.5-17A		17	S3T	3	9.5	8.5	9.5	3	11	14	—
KBSS0.5-18A		18	S3T	3	10	9	10	3	11	14	—
KBSS0.5-19A		19	S3T	3	10.5	9.5	10.5	3	11	14	—
KBSS0.5-20		20	S1	4	8.5	10	11	3	7	10	—
KBSS0.5-20A			S3T	3	11				11	14	—
KBSS0.5-20B			S3T	4	11				11	14	—
KBSS0.5-21A		21	S3T	3	11.5	10.5	11.5	3	11	14	—
KBSS0.5-22A		22	S1T	3	9	11	12	3	7	10	—
KBSS0.5-23A		23	S1T	3	9	11.5	12.5	3	7	10	—
KBSS0.5-24A		24	S1T	3	10	12	13	3	7	10	—
KBSS0.5-24B		24	S1T	4	10	12	13	3	7	10	—
KBSS0.5-25		25	S1	4	11	12.5	13.5	3	7	10	—
KBSS0.5-25A			S1T	3	10						—
KBSS0.5-25B			S1T	4	10						—
KBSS0.5-26A		26	S1T	3	10	13	14	3	7	10	—
KBSS0.5-27A		27	S1T	3	10	13.5	14.5	3	7	10	—
KBSS0.5-28A		28	S1T	3	12	14	15	3	7	10	—
KBSS0.5-29A		29	S1T	3	12	14.5	15.5	3	7	10	—
KBSS0.5-30		30	S1	4	13	15	16	3	7	10	—
KBSS0.5-30A			S1T	3	12						—
KBSS0.5-30B			S1T	4	12						—
KBSS0.5-30C			S1T	5	12						—
KBSS0.5-32A		32	S1T	4	14	16	17	3	7	10	—
KBSS0.5-34A		34	S1T	4	15	17	18	3	7	10	—
KBSS0.5-35A		35	S1T	4	15	17.5	18.5	3	7	10	—
KBSS0.5-36A		36	S1T	4	16	18	19	3	7	10	—
KBSS0.5-38A		38	S1T	4	16	19	20	3	7	10	—
KBSS0.5-40		40	S1	4	17	20	21	3	7	10	—
KBSS0.5-40A			S1T	4	18						—
KBSS0.5-40B			S1T	5	18						—
KBSS0.5-50A		50	S1T	4	22	25	26	3	7	10	—
KBSS0.5-50B			S1T	5	22						—
KBSS0.5-60A		60	S1T	5	28	30	31	3	7	10	—
KBSS0.5-60B			S1T	6	28						—
KBSS0.5-70A		70	S1T	5	28	35	36	3	7	10	—
KBSS0.5-70B			S1T	6	28						—
KBSS0.5-80A		80	S1T	5	28	40	41	3	7	10	—
KBSS0.5-80B			S1T	6	28						—

[Caution on Product Characteristics]

For products with a tapped hole, a set screw is included.

The allowable torques shown in the table are calculated values according to the assumed usage conditions. Please see page 35 for more details.

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.

If diameter is less than Ø4, the diameter tolerance is H8. If diameter is Ø5 or Ø6, and the hole length exceeds 3 times of the diameter, the tolerance is also H8.

\*For products not categorized in our Stock Gear series', custom gear production services with **short lead times** is available. For details see page VI.

Set Screw		Allowable torque (N·m)	Allowable torque (kgf·m)	Backlash (mm)	Weight (kg)	Catalog No.
Size	J	Bending strength	Bending strength			
M3	2.5	0.058	0.0059	0 ~0.10	0.0054	KBSS0.5-15A
M3	2.5	0.065	0.0066	0 ~0.10	0.0062	KBSS0.5-16A
M3	2.5	0.071	0.0072	0 ~0.10	0.0070	KBSS0.5-17A
M3	2.5	0.078	0.0079	0 ~0.10	0.0079	KBSS0.5-18A
M3	2.5	0.084	0.0086	0 ~0.10	0.0088	KBSS0.5-19A
—	—	0.091	0.0093	0 ~0.10	0.0043	KBSS0.5-20
M3	2.5				0.0098	KBSS0.5-20A
M3	2.5				0.0091	KBSS0.5-20B
M3	2.5	0.10	0.0099	0 ~0.10	0.011	KBSS0.5-21A
M3	3.5	0.10	0.011	0 ~0.10	0.0054	KBSS0.5-22A
M3	3.5	0.11	0.011	0 ~0.10	0.0056	KBSS0.5-23A
M3	3.5	0.12	0.012	0 ~0.10	0.0067	KBSS0.5-24A
M3	3.5	0.12	0.012	0 ~0.10	0.0063	KBSS0.5-24B
—	—	0.12	0.013	0 ~0.10	0.0077	KBSS0.5-25
M3	3.5				0.0070	KBSS0.5-25A
M3	3.5				0.0065	KBSS0.5-25B
M3	3.5	0.13	0.013	0 ~0.10	0.0072	KBSS0.5-26A
M3	3.5	0.14	0.014	0 ~0.10	0.0075	KBSS0.5-27A
M3	3.5	0.15	0.015	0 ~0.10	0.0097	KBSS0.5-28A
M3	3.5	0.15	0.016	0 ~0.10	0.010	KBSS0.5-29A
—	—	0.16	0.016	0 ~0.10	0.011	KBSS0.5-30
M3	3.5				0.010	KBSS0.5-30A
M3	3.5				0.0099	KBSS0.5-30B
M4	3.5				0.0092	KBSS0.5-30C
M3	3.5	0.17	0.018	0 ~0.10	0.013	KBSS0.5-32A
M3	3.5	0.19	0.019	0 ~0.10	0.015	KBSS0.5-34A
M3	3.5	0.20	0.020	0 ~0.10	0.015	KBSS0.5-35A
M3	3.5	0.20	0.021	0 ~0.10	0.017	KBSS0.5-36A
M3	3.5	0.22	0.022	0 ~0.10	0.018	KBSS0.5-38A
—	—	0.23	0.024	0 ~0.10	0.020	KBSS0.5-40
M3	3.5				0.022	KBSS0.5-40A
M4	3.5	0.31	0.031	0 ~0.10	0.021	KBSS0.5-40B
M3	3.5				0.033	KBSS0.5-50A
M4	3.5	0.38	0.039	0 ~0.10	0.032	KBSS0.5-50B
M4	3.5				0.052	KBSS0.5-60A
M4	3.5	0.46	0.047	0 ~0.10	0.051	KBSS0.5-60B
M4	3.5				0.058	KBSS0.5-70A
M4	3.5	0.54	0.055	0 ~0.10	0.057	KBSS0.5-70B
M4	3.5				0.065	KBSS0.5-80A
M4	3.5	0.54	0.055	0 ~0.10	0.065	KBSS0.5-80B

[Caution on Secondary Operations]

Please read "Caution on Performing Secondary Operations" (Page 36) when performing modifications and/or secondary operations for safety concerns.

Avoid performing secondary operations that narrow the tooth width as it affects precision and strength.

When performing secondary operations, be aware of deflection and distortion as the tooth is thin in width.

\*Please see book one for additional products in these modules.