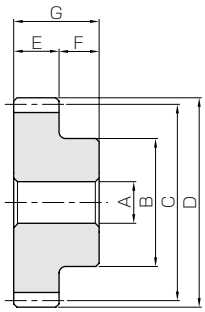
Specifications	
Precision grade	JIS grade N9 (JIS B1702-1: 1998) JIS grade 5 (JIS B1702: 1976)
Reference section of gear	Normal plane
Gear teeth	Standard full depth
Normal pressure angle	20°
Helix angle	45°
Material	S45C
Heat treatment	—



S1

Catalog No.	Module	No. of teeth	Direction of helix	Shape	Bore	Hub dia.	Pitch dia.	Outside dia.	Face width	Hub width	Total length
					A_{H7}	B	C	D	E	F	G
SN1-13R **SN1-13L**	***m*1**	13	R L	S1	6	15	18.38	20.38	10	10	20
SN1-15R **SN1-15L**		15	R L	S1	6	18	21.21	23.21	10	10	20
SN1-20R **SN1-20L**		20	R L	S1	8	25	28.28	30.28	10	10	20
SN1-26R **SN1-26L**		26	R L	S1	10	30	36.77	38.77	10	10	20
SN1-30R **SN1-30L**		30	R L	S1	10	35	42.43	44.43	10	10	20
SN1.5-10R **SN1.5-10L**	***m*1.5**	10	R L	S1	8	16	21.21	24.21	15	10	25
SN1.5-13R **SN1.5-13L**		13	R L	S1	10	23	27.58	30.58	15	10	25
SN1.5-15R **SN1.5-15L**		15	R L	S1	10	25	31.82	34.82	15	10	25
SN1.5-20R **SN1.5-20L**		20	R L	S1	12	30	42.43	45.43	15	10	25
SN1.5-26R **SN1.5-26L**		26	R L	S1	12	40	55.15	58.15	15	10	25
SN1.5-30R **SN1.5-30L**		30	R L	S1	12	45	63.64	66.64	15	10	25
SN2-10R **SN2-10L**	***m*2**	10	R L	S1	12	22	28.28	32.28	20	15	35
SN2-13R **SN2-13L**		13	R L	S1	12	30	36.77	40.77	20	15	35
SN2-15R **SN2-15L**		15	R L	S1	12	35	42.43	46.43	20	15	35
SN2-20R **SN2-20L**		20	R L	S1	15	45	56.57	60.57	20	15	35
SN2-26R **SN2-26L**		26	R L	S1	20	60	73.54	77.54	20	15	35
SN2-30R **SN2-30L**		30	R L	S1	20	65	84.85	88.85	20	15	35

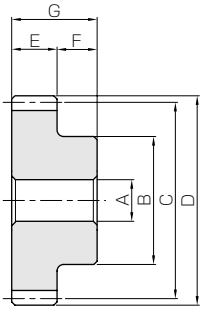
[Caution on Product Characteristics]

① When mating screw gears made of the same material they may cause abrasion and scoring. It is recommended to mate Screw Gears composed of different materials.
② The allowable torques shown in the table are the calculated values according to the assumed usage conditions. Please see page 495 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 For offset shaft applications, match a RH with a RH, or LH with a LH, to make a set of screw gears. For parallel shaft applications, mesh opposite hands (RH and LH) of helical gear sets. See page 494 for more details.
⑤ If the bore diameter is less than ϕ 4, then the bore tolerance class is H8. If the bore diameter is ϕ 5 or ϕ 6, and the hole length (total length) exceeds 3 times the diameter, then the class is also H8.

Allowable torque (N·m)		Allowable torque (kgf·m)		Backlash (mm)	Weight (kg)	Catalog No.
Bending strength	Surface durability	Bending strength	Surface durability			
—	0.19	—	0.019	0.08~0.18	0.030	**SN1-13R SN1-13L**
—	0.29	—	0.029	0.08~0.18	0.043	**SN1-15R SN1-15L**
—	0.66	—	0.068	0.08~0.18	0.080	**SN1-20R SN1-20L**
—	1.42	—	0.14	0.10~0.22	0.13	**SN1-26R SN1-26L**
—	2.14	—	0.22	0.10~0.22	0.17	**SN1-30R SN1-30L**
—	0.29	—	0.029	0.08~0.20	0.048	**SN1.5-10R SN1.5-10L**
—	0.62	—	0.063	0.10~0.22	0.088	**SN1.5-13R SN1.5-13L**
—	0.93	—	0.095	0.10~0.22	0.12	**SN1.5-15R SN1.5-15L**
—	2.14	—	0.22	0.10~0.22	0.20	**SN1.5-20R SN1.5-20L**
—	4.51	—	0.46	0.12~0.26	0.36	**SN1.5-26R SN1.5-26L**
—	6.75	—	0.69	0.12~0.26	0.48	**SN1.5-30R SN1.5-30L**
—	0.66	—	0.068	0.10~0.22	0.11	**SN2-10R SN2-10L**
—	1.42	—	0.14	0.12~0.26	0.22	**SN2-13R SN2-13L**
—	2.14	—	0.22	0.12~0.26	0.30	**SN2-15R SN2-15L**
—	4.84	—	0.49	0.12~0.26	0.53	**SN2-20R SN2-20L**
—	10.1	—	1.03	0.14~0.30	0.91	**SN2-26R SN2-26L**
—	15.0	—	1.53	0.14~0.30	1.19	**SN2-30R SN2-30L**

[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.

Specifications	
Precision grade	JIS grade N9 (JIS B1702-1: 1998) JIS grade 5 (JIS B1702: 1976)
Reference section of gear	Normal plane
Gear teeth	Standard full depth
Normal pressure angle	20°
Helix angle	45°
Material	S45C
Heat treatment	—



S1

Catalog No.	Module	No. of teeth	Direction of helix	Shape	Bore	Hub dia.	Pitch dia.	Outside dia.	Face width	Hub width	Total length
					A_{H7}	B	C	D	E	F	G
SN2.5-10R **SN2.5-10L**	***m*2.5**	10	R L	S1	12	26	35.36	40.36	22	16	38
SN2.5-13R **SN2.5-13L**		13	R L	S1	15	35	45.96	50.96	22	16	38
SN2.5-15R **SN2.5-15L**		15	R L	S1	15	40	53.03	58.03	22	16	38
SN2.5-20R **SN2.5-20L**		20	R L	S1	20	60	70.71	75.71	22	16	38
SN2.5-26R **SN2.5-26L**		26	R L	S1	20	70	91.92	96.92	22	16	38
SN2.5-30R **SN2.5-30L**		30	R L	S1	20	80	106.07	111.07	22	16	38
SN3-10R **SN3-10L**	***m*3**	10	R L	S1	15	34	42.43	48.43	25	18	43
SN3-13R **SN3-13L**		13	R L	S1	20	45	55.15	61.15	25	18	43
SN3-15R **SN3-15L**		15	R L	S1	20	50	63.64	69.64	25	18	43
SN3-20R **SN3-20L**		20	R L	S1	20	60	84.85	90.85	25	18	43
SN3-26R **SN3-26L**		26	R L	S1	20	80	110.31	116.31	25	18	43
SN3-30R **SN3-30L**		30	R L	S1	20	90	127.28	133.28	25	18	43
SN4-10R **SN4-10L**	***m*4**	10	R L	S1	20	45	56.57	64.57	30	20	50
SN4-13R **SN4-13L**		13	R L	S1	20	60	73.54	81.54	30	20	50
SN4-15R **SN4-15L**		15	R L	S1	20	70	84.85	92.85	30	20	50
SN4-20R **SN4-20L**		20	R L	S1	20	90	113.14	121.14	30	20	50
SN4-26R **SN4-26L**		26	R L	S1	20	100	147.08	155.08	30	20	50
SN4-30R **SN4-30L**		30	R L	S1	20	110	169.71	177.71	30	20	50

[Caution on Product Characteristics]

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② The allowable torques shown in the table are the calculated values according to the assumed usage conditions. Please see page 495 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 For offset shaft applications, match a RH with a RH, or LH with a LH, to make a set of screw gears. For parallel shaft applications, mesh opposite hands (RH and LH) of helical gear sets. See page 494 for more details.

Allowable torque (N·m)		Allowable torque (kgf·m)		Backlash (mm)	Weight (kg)	Catalog No.
Bending strength	Surface durability	Bending strength	Surface durability			
—	1.27	—	0.13	0.12~0.24	0.20	**SN2.5-10R SN2.5-10L**
—	2.68	—	0.27	0.14~0.28	0.35	**SN2.5-13R SN2.5-13L**
—	4.03	—	0.41	0.14~0.28	0.49	**SN2.5-15R SN2.5-15L**
—	9.07	—	0.92	0.14~0.28	0.94	**SN2.5-20R SN2.5-20L**
—	18.8	—	1.91	0.16~0.34	1.54	**SN2.5-26R SN2.5-26L**
—	27.7	—	2.83	0.16~0.34	2.06	**SN2.5-30R SN2.5-30L**
—	2.14	—	0.22	0.12~0.26	0.35	**SN3-10R SN3-10L**
—	4.51	—	0.46	0.14~0.32	0.59	**SN3-13R SN3-13L**
—	6.75	—	0.69	0.14~0.32	0.80	**SN3-15R SN3-15L**
—	15.0	—	1.53	0.14~0.32	1.40	**SN3-20R SN3-20L**
—	30.8	—	3.14	0.18~0.38	2.48	**SN3-26R SN3-26L**
—	45.4	—	4.62	0.18~0.38	3.29	**SN3-30R SN3-30L**
—	4.84	—	0.49	0.16~0.34	0.72	**SN4-10R SN4-10L**
—	10.1	—	1.03	0.18~0.38	1.32	**SN4-13R SN4-13L**
—	15.0	—	1.53	0.18~0.38	1.81	**SN4-15R SN4-15L**
—	33.0	—	3.37	0.18~0.38	3.24	**SN4-20R SN4-20L**
—	66.7	—	6.80	0.20~0.44	5.11	**SN4-26R SN4-26L**
—	97.1	—	9.90	0.20~0.44	6.70	**SN4-30R SN4-30L**

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② Avoid performing secondary operations that narrow the tooth width, as it affects precision and strength.