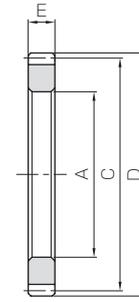




Specifications	
Precision grade	JIS grade N9 (JIS B1702-1: 1998)
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat Treatment	—
Tooth hardness	(less than 194HB)



S5

Catalog Number	Module	No. of teeth	Shape	Bore	Pitch dia.	Outside dia.	Face width	Allowable torque (N·m)		Allowable torque (kgf·m)	
				A _{H8}	C	D	E	Bending strength	Surface durability	Bending strength	Surface durability
KSSR2-120 KSSR2-200	m2	120 200	S5	194 354	240 400	244 404	20	366 630	44.0 84.2	37.4 64.3	4.49 8.59
KSSR2.5-120 KSSR2.5-200	m2.5	120 200	S5	245 445	300 500	305 505	25	715 1230	88.5 169	72.9 126	9.02 17.2
KSSR3-120 KSSR3-160	m3	120 160	S5	296 416	360 480	366 486	30	1240 1680	157 226	126 171	16.0 23.0

[Caution on Product Characteristics]

- ① The allowable torques shown in the table are calculated values according to the assumed usage conditions. Please see Page 24 for more details.
- ② The backlash values shown in the table are the theoretical values for the normal direction for the internal ring in mesh with a 30 tooth S5 spur gear.
- ③ The bore tolerance is finished to H8, but there may be some errors as the ring shape deforms easily.

Backlash (mm)	Weight (kg)	Catalog Number
0.17~0.37	2.46	KSSR2-120
0.20~0.41	4.28	KSSR2-200
0.19~0.41	4.62	KSSR2.5-120
0.22~0.46	8.01	KSSR2.5-200
0.22~0.45	7.77	KSSR3-120
0.22~0.45	10.6	KSSR3-160

[Caution on Secondary Operations]

- ① Please read "Cautions on Performing Secondary Operations" (Page 26) when performing modifications and/or secondary operations for safety concerns.
- ② Avoid performing secondary operations that narrow the tooth width, as it affects precision and strength.

Spur Gears
Helical Gears
Internal Gears
Racks
CP Racks & Pinions
Miter Gears
Bevel Gears
Screw Gears
Worm Gear Pairs
Bevel Gearboxes
Other Products