



SSR

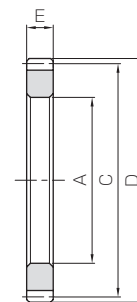
## Steel Ring Gears (Spur Gears)

Module 2, 2.5, 3

## Steel Ring Gears (Spur Gears)



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 <sub>H8</sub>	C	D	E	Bending strength	Surface durability	Bending strength	Surface durability
<b>SSR2-120</b> <b>SSR2-200</b>	<b>m2</b>	120 200	S5	194 354	240 400	244 404	20	366 630	44.0 84.2	37.4 64.3	4.49 8.59
<b>SSR2.5-120</b> <b>SSR2.5-200</b>	<b>m2.5</b>	120 200	S5	245 445	300 500	305 505	25	715 1230	88.5 169	72.9 126	9.02 17.2
<b>SSR3-120</b> <b>SSR3-160</b>	<b>m3</b>	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 SS spur gear.
- ③ The bore tolerance is finished to H8, but there may be some errors as the ring shape deforms easily.

[Caution on Secondary Operations]

- ① Please read "Cautions on Performing Secondary Operations" (Page 26) when performing modifications and/or secondary operations for safety concerns.  
KHK Quick-Mod Gears, the KHK 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.

Backlash (mm)	Weight (kg)	Catalog Number
0.17~0.37 0.20~0.41	2.46 4.28	<b>SSR2-120</b> <b>SSR2-200</b>
0.19~0.41 0.22~0.46	4.62 8.01	<b>SSR2.5-120</b> <b>SSR2.5-200</b>
0.22~0.45 0.22~0.45	7.77 10.6	<b>SSR3-120</b> <b>SSR3-160</b>

Spur Gears

Helical Gears

Internal Gears

Racks

CP Racks &amp; Pinions

Miter Gears

Bevel Gears

Screw Gears

Worm Gear Pairs

Bevel Gearboxes

Other Products