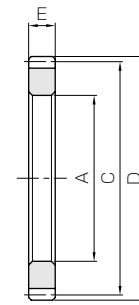




SSR Steel Ring Gears (Spur Gears)



Specifications	
Precision grade	JIS grade N9 (JIS B1702-1: 1998) JIS grade 5 (JIS B1702: 1976)
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	—
Tooth hardness	(less than 194HB)



S5

Catalog No.	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				
SSR2-120	m2	120	S5	194	240	244	20	366	44.0	37.4	4.49				
SSR2-200		200	S5	354	400	404	20	630	84.2	64.3	8.59				
SSR2.5-120	m2.5	120	S5	245	300	305	25	715	88.5	72.9	9.02				
SSR2.5-200		200	S5	445	500	505	25	1230	169	126	17.2				
SSR3-120	m3	120	S5	296	360	366	30	1240	157	126	16.0				
SSR3-160		160	S5	416	480	486	30	1680	226	171	23.0				

Backlash (mm)	Weight (kg)	Catalog No.
0.17~0.37	2.46	SSR2-120
0.20~0.41	4.28	SSR2-200
0.19~0.41	4.62	SSR2.5-120
0.22~0.46	8.01	SSR2.5-200
0.22~0.45	7.77	SSR3-120
0.22~0.45	10.6	SSR3-160

[Caution on Product Characteristics]

- ① The allowable torques shown in the table are calculated values according to the assumed usage conditions. Please see Page 31 for more details.
- ② The backlash values shown in the table are the theoretical values for the normal direction for the ring gear in mesh with a 30 tooth SS type spur gear.
- ③ Although the inside diameter of these gears are made to H8 tolerance, since the ring shape is easily deformed, some error may occur beyond the stated tolerance.

[Caution on Secondary Operations]

- ① Please read "Caution on Performing Secondary Operations" (Page 32) when performing modifications and/or secondary operations for safety concerns. KHK Quick-Mod Gears, 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.

* For products not categorized in our KHK Stock Gear series, custom gear production services with **short lead times** is available. For details see Page 8.