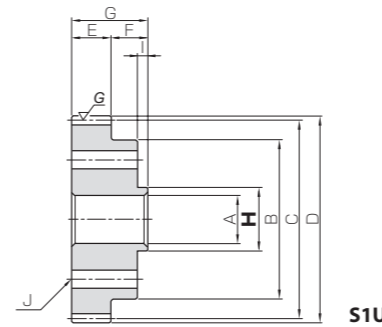
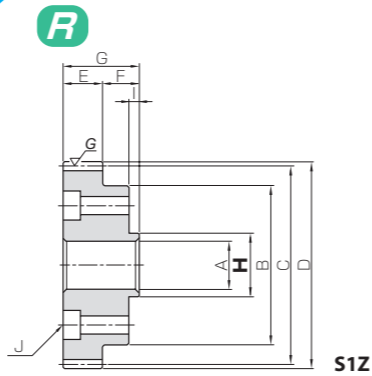




Specifications	
Precision grade	JIS grade N7 (JIS B1702-1: 1998)
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	Gear teeth induction hardened
Tooth hardness	50 to 60HRC
Surface treatment	Black oxide coated except for teeth and portions given secondary operation

* The R Series is given secondary operations and has accuracy grades "equivalent" to the original products.



Recommended mating rack



SRGF/SRGFD
Hardened Ground Racks

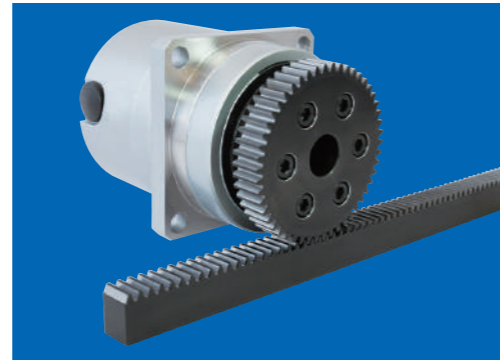
Please see Page 230 for more details.

Catalog Number	Module	No. of teeth	Shape	Bore		Pitch dia.	Outside dia.	Face width	Hub width	Total length	Mounting hub dia.	Mounting hub width
				A	B							
SSG1.5-50R24	m1.5	50	S1Z	18	60	75	78	15	14	29	24	4
SSG2-40R24	m2	40	S1Z	20	60	80	84	20	16	36	24	4
SSG2.5-27R24	m2.5	27	S1U	20	56	67.5	72.5	25	18	43	24	4
SSG2.5-28R24		28	60		70	75						
SSG2.5-29R24		29	60		72.5	77.5						
SSG2.5-30R24		30	65		75	80						
SSG2.5-42R32		42	75		105	110						
SSG3-23R24	m3	23	S1U	20	56	69	75	30	20	50	24	4
SSG3-24R24		24	58		72	78						
SSG3-25R24		25	60		75	81						
SSG3-26R24		26	62		78	84						
SSG3-30R32		30	75		90	96						
SSG3-32R32		32	75		96	102						
SSG3-34R32		34	75		102	108						
SSG3-35R32		35	80		105	111						
SSG3-36R32		36	80		108	114						
SSG4-24R32		m4	24		S1Z	20	75					
SSG4-25R32	25		80	100	108							
SSG5-20R32	m5	20	S1Z	25	82	100	110	50	25	75	32	4
SSG5-30R47		30	120	150	160							
SSG6-25R47	m6	25	S1Z	30	125	150	162	60	28	88	47	6
SSG6-30R60		30	150	180	192							

Mounting hole specification							Allowable torque (N·m)				Allowable torque (kgf·m)				Backlash (mm)	Weight (kg)	Catalog Number
Drilled hole dia.	Counterbore dia.	Counterbore depth	Quantity	P.C.D.	Included screws	J		K		L		M					
						Bending strength	Surface durability	Bending strength	Surface durability	Bending strength	Surface durability	Bending strength	Surface durability				
6.6	11	9	6	45	M6×20	54.7	47.2	5.58	4.82	0.08~0.16	0.63	SSG1.5-50R24					
6.6	11	14	6	45	M6×25	98.3	72.1	10.0	7.35	0.10~0.20	0.89	SSG2-40R24					
6.6	11	19	6	45	M6×45	115	63.2	11.7	6.44	0.10~0.20	0.82	SSG2.5-27R24					
					M6×25	120	68.2	12.3	6.95		0.86	SSG2.5-28R24					
					M6×25	126	73.3	12.9	7.48		0.91	SSG2.5-29R24					
9	14	17	6	60	M8×30	132	78.7	13.5	8.03	0.10~0.20	1.02	SSG2.5-30R24					
					M8×30	188	147	19.2	15.0		1.86	SSG2.5-42R32					
6.6	11	24	6	45	M6×50	158	78.7	16.1	8.02	0.10~0.20	1.01	SSG3-23R24					
					M6×30	168	86.4	17.1	8.81		1.04	SSG3-24R24					
					M6×30	178	94.5	18.1	9.64		1.14	SSG3-25R24					
9	14	22	6	60	M8×35	188	103	19.2	10.5	0.10~0.20	1.25	SSG3-26R24					
						228	138	23.3	14.1		1.65	SSG3-30R32					
						229	146	23.4	14.9		1.86	SSG3-32R32					
						248	166	25.3	17.0		2.08	SSG3-34R32					
						258	177	26.3	18.0		2.27	SSG3-35R32					
9	14	32	6	60	M8×40	268	188	27.3	19.1	0.10~0.20	2.39	SSG3-36R32					
						368	194	37.5	19.8		2.55	SSG4-24R32					
9	14	42	6	60	M8×40	389	213	39.7	21.7	0.10~0.20	2.84	SSG4-25R32					
						553	259	56.4	26.5		3.30	SSG5-20R32					
9	14	42	14	100	M8×35	975	623	99.4	63.5	0.10~0.22	7.52	SSG5-30R47					
						1310	747	134	76.2		8.95	SSG6-25R47					
18	26	44	6	120	M16×60	1560	1020	160	104	0.10~0.22	13.1	SSG6-30R60					

Features of R Series

- Products matching the mounting holes of the corresponding speed reducer series.
- They come with set bolts and can be used immediately.
- As flange mounting types, they have high rigidity and the gear does not bend.
- Ideal for the mating pinion of racks.



Rack and pinion for corresponding flange output speed reducers

Mounting hub dia. H (Common to all speed reducers)	Nidec Shimo VRG Series	Sumitomo Heavy Industries IB Series	Harmonic Drive Systems HPG Series	R Series Catalog Numbers	KHK recommended mating rack
24	C90	P120	20	R24	KRGF Series SRGF Series SRF Series See Page 211
32	D120	P130	32	R32	
47	E170	-	50	R47	
60	-	-	65	R60	

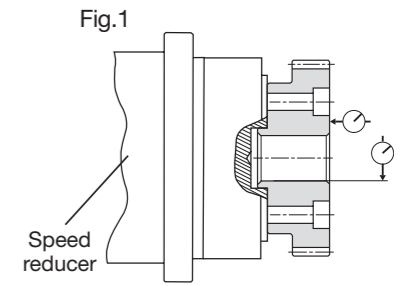
(R Series Catalog Numbers)

R series catalog numbers are composed as follows:

(Base SSG ground spur gear catalog number) + R + (mounting hub diameter)

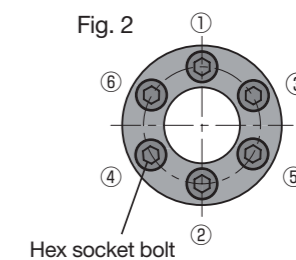
Mounting Method and Precautions

- ① Clean the gear mounting surface and flange surface of the speed reducer and make sure that there are no scratches or dents.
- ② Set the mounting hub of the gear in the hole at the rotational center of the flange, and temporarily tighten the hexagon socket head cap screws.
- ③ Tighten the hexagon socket head cap screws on the diagonals while checking the runout of the gear reference face (Fig. 1). (Fig.2)



Removal Method and Precautions

- ① Turn off the power source (supply) and check that no load is applied to the gear.
- ② Loosen the hexagon socket head cap screws and make sure that the gear moves freely.
- ③ Remove the hexagon socket head cap screws while making sure that there is no danger of falling, etc.



We recommend ideal pinions for speed reducers

- ① CP type and helical type stock gears can be given secondary operations according to the customer's specifications at "KHK Quick-Mod Gears". See Page 24 for more details
- ② High-precision gears for reduction gears are also available with a short delivery time. Estimates are available upon the submission of production drawings.
- ③ Feel free to contact us about selecting racks and pinions.