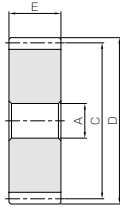




Specifications	
Precision grade	JIS grade N8 (JIS B1702-1:1998) JIS grade 4 (JIS B1702:1976)
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	—
Tooth hardness	(less than 194HB)



55

Catalog No.	Module	No. of teeth	Shape	Bore			Pitch dia.	Outside dia.	Face width	Allowable torque (N·m)		Allowable torque (kgf·m)	
				A _{H7}	C	D				E	Bending strength	Surface durability	Bending strength
SSAY1-20	m1	20	S5	6	20	22	6	3.45	0.20	0.35	0.021		
SSAY1-24		24	S5	6	24	26	6	4.48	0.30	0.46	0.030		
SSAY1-25		25	S5	6	25	27	6	4.74	0.32	0.48	0.033		
SSAY1-28		28	S5	6	28	30	6	5.55	0.41	0.57	0.042		
SSAY1-30		30	S5	6	30	32	6	6.08	0.47	0.62	0.048		
SSAY1-32		32	S5	6	32	34	6	6.63	0.54	0.68	0.055		
SSAY1-35		35	S5	6	35	37	6	7.45	0.66	0.76	0.067		
SSAY1-36		36	S5	6	36	38	6	7.73	0.70	0.79	0.071		
SSAY1-40		40	S5	6	40	42	6	8.84	0.87	0.90	0.089		
SSAY1-45		45	S5	6	45	47	6	10.3	1.12	1.05	0.11		
SSAY1-48		48	S5	6	48	50	6	11.1	1.28	1.13	0.13		
SSAY1-50		50	S5	8	50	52	6	11.7	1.39	1.19	0.14		
SSAY1-55		55	S5	8	55	57	6	13.1	1.70	1.34	0.17		
SSAY1-56		56	S5	8	56	58	6	13.4	1.77	1.37	0.18		
SSAY1-60		60	S5	8	60	62	6	14.5	2.04	1.48	0.21		
SSAY1-70		70	S5	8	70	72	6	17.4	2.82	1.78	0.29		
SSAY1-80	80	S5	10	80	82	6	20.3	3.74	2.07	0.38			
SSAY1-100	100	S5	10	100	102	6	26.2	5.98	2.67	0.61			

[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 backlash in the normal direction of a pair of identical gears in mesh.

* 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.

Backlash (mm)	Weight (kg)	Catalog No.
0.08~0.18	0.037 0.044 0.047 0.058 0.074	SSAY1-32 SSAY1-35 SSAY1-36 SSAY1-40 SSAY1-45
0.08~0.18	0.084 0.090 0.11 0.11 0.13	SSAY1-48 SSAY1-50 SSAY1-55 SSAY1-56 SSAY1-60
0.08~0.18	0.18 0.23 0.37	SSAY1-70 SSAY1-80 SSAY1-100

[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 When performing secondary operations, be aware of deflection and distortion as the tooth is thin in width; deflection might occur if heat treated.
③ Avoid performing secondary operations that narrow the tooth width as it affects precision and strength.

GCU-S Spur Gear Kit



Installation : Parallel axes gears (Two-stage)
Gear Type : Spur Gears
Gears : 2 units of SS1.5-16
2 units of PS1.5-22
Gear Ratio : 1.89
Weight : Approx. 1kg

The Gear Kit contains two-stage spur gears and allows speed increases / reductions, and includes the most commonly used combinations of gears.