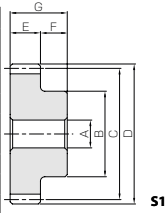




Specifications					
Precision grade	JIS grade N8 (JIS B1702-1: 1988) * JIS grade 4 (JIS B1702: 1978)				
Gear teeth	Standard full depth				
Pressure angle	20°				
Material	S45C				
Heat treatment	—				
Tooth hardness	(less than 194HB)				
Pitch	CP2.5	CP5	CP10	CP15	CP20
Face width (E)	10	15	30	50	60
Hub width (F)	10	15	20	27	30
Total length (G)	20	30	50	77	90
Screw offset (J)	5	7.5	10	13.5	15



S1

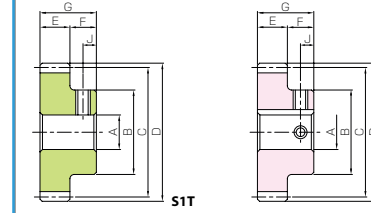
\* The precision grade of J Series products is equivalent to the value shown in the table.

Catalog No.	Pitch mm (Module)	No. of teeth	Shape	Bore				Pitch dia.	Outside dia.	Distance traveled in one turn (mm)	Allowable torque (N·m)		Allowable torque (kgf·m)		Backlash (mm)	Weight (kg)
				A-H7	B	C	D				Bending strength	Surface durability	Bending strength	Surface durability		
SSCP2.5-20	CP2.5 (0.7958)	20	S1	6	13	15.92	17.51	50	4.14	0.48	0.42	0.049	0~0.14	0.022		
SSCP2.5-25		25		8	17	19.89	21.49	62.5	5.58	0.83	0.57	0.085		0.034		
SSCP2.5-30		30		8	21	23.87	25.46	75	7.06	1.30	0.72	0.13		0.054		
SSCP2.5-40		40		10	28	31.83	33.42	100	10.1	2.64	1.03	0.27		0.098		
SSCP5-20	CP5 (1.5915)	20	S1	8	25	31.83	35.01	100	24.8	3.52	2.53	0.36	0.09~0.24	0.14		
SSCP5-25		25		10	32	39.79	42.97	125	33.5	6.06	3.42	0.62		0.22		
SSCP5-30		30		10	38	47.75	50.93	150	42.3	9.45	4.32	0.96		0.33		
SSCP5-40		40		12	45	63.66	66.85	200	60.4	18.7	6.16	1.91		0.54		
SSCP10-20	CP10 (3.1831)	20	S1	15	50	63.66	70.03	200	198	30.8	20.2	3.14	0.14~0.34	0.99		
SSCP10-25		25		20	60	79.58	85.94	250	268	52.7	27.3	5.37		1.49		
SSCP10-30		30		20	75	95.49	101.86	300	339	81.7	34.5	8.33		2.26		
SSCP10-40		40		20	80	127.32	133.69	400	483	160	49.3	16.4		3.66		
SSCP15-20	CP15 (4.7746)	20	S1	22	75	95.49	105.04	300	744	116	75.9	11.9	0.19~0.46	3.52		
SSCP15-25		25		25	100	119.37	128.92	375	1000	199	102	20.3		5.76		
SSCP15-30		30		25	110	143.24	152.79	450	1270	308	130	31.4		8.04		
SSCP20-20		CP20 (6.3662)		20	S1	25	100	127.32	140.06	400	1590	264		162	26.9	0.21~0.52
SSCP20-25	25		30	130		159.15	171.89	500	2140	449	219	45.8	12.0			
SSCP20-30	30		30	150		190.99	203.72	600	2710	693	276	70.7	17.2			

[Caution on Product Characteristics] ① The allowable torques shown in the table are the calculated values according to the assumed usage conditions. Please see Page 227 for more details.  
 ② The backlash values shown in the table are the theoretical values when these gears and the SRCP Racks are in mesh.  
 ③ If the bore size is less than  $\phi 4$ , the tolerance class is H8. If the bore size is  $\phi 5$  or  $\phi 6$ , and the hole length exceeds 3 times of the bore size, the class is also H8.

[Caution on Secondary Operations] ① Please read "Caution on Performing Secondary Operations" (Page 228) 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.

Newly added



S1T

S1K



To order J Series products, please specify; Catalog No. + J + BORE

Bore H7	* The product shapes of J Series items are identified by background color.																					
Keyway Js9	6	8	10	12	14	15	16	17	18	19	20	22	25	28	30	32	35	40	45			
Screw size	4 x 1.8				5 x 2.3				6 x 2.8				8 x 3.3				10 x 3.3		12 x 3.3		14 x 3.8	
Catalog No.	M4	M5	M4				M5				M6				M8		M10					
SSCP2.5-20 J BORE																						
SSCP2.5-25 J BORE																						
SSCP2.5-30 J BORE																						
SSCP2.5-40 J BORE																						
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SSCP10-25 J BORE																						
SSCP10-30 J BORE																						
SSCP10-40 J BORE																						

[Caution on J series] ① As available-on-request products, requires a lead-time for shipping within 2 working-days (excludes the day ordered), after placing an order. Please allow additional shipping time to get to your local distributor.  
 ② Number of products we can process for one order is 1 to 20 units. For quantities of 21 or more pieces, we need to quote price and lead time.  
 ③ Keyways are made according to JIS B1301 standards, Js9 tolerance.  
 ④ Certain products which would otherwise have a very long tapped hole are conterbored to reduce the length of the tap. (Products marked with "\*" are tap size).  
 ⑤ Areas of products which have been re-worked will not be black oxide coated.  
 ⑥ For products having a tapped hole, a set screw is included.  
 ⑦ The use of S1T shaped set screws for fastening gears to a shaft, is a method only applicable to light load usage. For secure fastening, please use dowel pins, in combination.