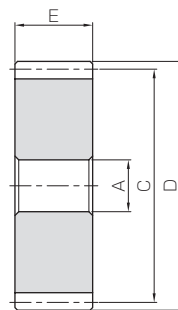


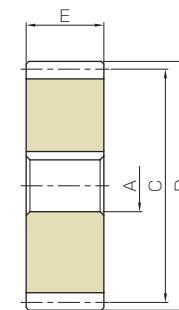


Specifications	
Precision grade	JIS grade N8 (JIS B1702-1: 1998)
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat Treatment	—
Tooth hardness	(less than 194HB)
Surface treatment	Black oxide coating

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



S5



S5K



Steel, Hubless Spur Gears

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

H To order Hardened Plus, please specify **Catalog No. + H**.

Catalog Number		Module	No. of teeth	Shape	Bore	Pitch dia.	Outside dia.	Face width	Allowable torque (N·m)		Allowable torque (kgf·m)		Backlash (mm)	Weight (kg)
					A _{H7}	C	D	E	Bending strength	Surface durability	Bending strength	Surface durability		
SSA2-15	⌘	m2	15	S5	10	30	34	20	29.6	1.48	3.01	0.15	0.12~0.26	0.099
SSA2-18	⌘		18			36	40		39.3	2.23	4.01	0.23		0.15
SSA2-20	⌘		20		12	40	44		46.0	2.83	4.69	0.29		0.18
SSA2-24	⌘		24			48	52		59.8	4.24	6.09	0.43		0.27
SSA2-25	⌘		25			50	54		63.3	4.64	6.45	0.47	0.29	
SSA2-28	⌘		28	15	56	60	73.9		5.89	7.54	0.60	0.14~0.30	0.36	
SSA2-30	⌘		30		60	64	81.1		6.80	8.27	0.69		0.42	
SSA2-32	⌘		32		64	68	88.4		7.78	9.01	0.79		0.48	
SSA2-35	⌘		35		70	74	99.3		9.39	10.1	0.96		0.58	
SSA2-36	⌘		36		72	76	103		9.96	10.5	1.02		0.61	
SSA2-40	⌘		40	18	S5	80	84		118	12.5	12.0	1.27	0.18~0.36	0.75
SSA2-45	⌘		45			90	94		137	16.0	13.9	1.63		0.96
SSA2-48	⌘		48			96	100		148	18.3	15.1	1.87		1.10
SSA2-50	⌘		50			100	104		156	19.9	15.9	2.03		1.19
SSA2-55	⌘		55			110	114		175	24.4	17.8	2.48		1.45
SSA2-56	⌘		56			112	116		179	25.3	18.2	2.58		1.51
SSA2-60	⌘		60			120	124		194	29.3	19.8	2.99		1.74
SSA2-70	⌘		70			140	144		232	40.8	23.7	4.16		2.38
SSA2-80	⌘		80			160	164		271	54.3	27.7	5.53		3.12
SSA2-100	⌘		100			200	204		291	72.7	29.7	7.42		4.89
SSA2.5-15	⌘	m2.5	15	S5	12	37.5	42.5	25	57.7	2.96	5.89	0.30	0.14~0.28	0.19
SSA2.5-18	⌘		18			45	50		76.7	4.47	7.82	0.46		0.29
SSA2.5-20	⌘		20		15	50	55		89.8	5.66	9.16	0.58		0.35
SSA2.5-24	⌘		24			60	65		117	8.47	11.9	0.86		0.52
SSA2.5-25	⌘		25			62.5	67.5		124	9.26	12.6	0.94	0.57	
SSA2.5-28	⌘		28	18	70	75	144		11.7	14.7	1.20	0.16~0.34	0.71	
SSA2.5-30	⌘		30		75	80	159		13.6	16.2	1.39		0.82	
SSA2.5-32	⌘		32		80	85	173		15.6	17.6	1.59		0.94	
SSA2.5-35	⌘		35		87.5	92.5	194		18.8	19.8	1.92		1.13	
SSA2.5-36	⌘		36		90	95	201		20.0	20.5	2.04		1.20	
SSA2.5-40	⌘		40	22	S5	100	105		230	24.9	23.5	2.54	0.18~0.40	1.47
SSA2.5-45	⌘		45			112.5	117.5		267	31.9	27.2	3.26		1.88
SSA2.5-48	⌘		48			120	125		289	36.7	29.5	3.74		2.14
SSA2.5-50	⌘		50			125	130		304	40.0	31.0	4.08		2.33
SSA2.5-55	⌘		55			137.5	142.5		341	49.1	34.8	5.01		2.84
SSA2.5-56	⌘		56			140	145		349	51.0	35.6	5.20		2.95
SSA2.5-60	⌘	60	150			155	379	59.1	38.6	6.03	3.39			
SSA2.5-70	⌘	70	175			180	454	82.1	46.3	8.37	4.65			
SSA2.5-80	⌘	80	200	205	441	90.9	45.0	9.27	6.09					

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

[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.

Bore H7	* The product shapes of J Series items are identified by background color.																		
Keyway J69	10	12	14	15	16	17	18	19	20	22	25	28	30	32	35	40	45	50	
Screw size	4×1.8		5×2.3				6×2.8				8×3.3			10×3.3		12×3.3	14×3.8		
Catalog Number	—																		
SSA2-15 J BORE	S5K	S5K																	
SSA2-18 J BORE	S5K	S5K	S5K	S5K															
SSA2-20 J BORE		S5K	S5K	S5K	S5K	S5K													
SSA2-24 J BORE		S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K										
SSA2-25 J BORE		S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K									
SSA2-28 J BORE				S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K								
SSA2-30 J BORE				S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K								
SSA2-32 J BORE				S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K							
SSA2-35 J BORE				S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K					
SSA2-36 J BORE				S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K					
SSA2-40 J BORE							S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K				
SSA2-45 J BORE							S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K			
SSA2-48 J BORE							S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K		
SSA2-50 J BORE							S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K		
SSA2-55 J BORE							S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	
SSA2-56 J BORE							S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	
SSA2-60 J BORE							S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	
SSA2-70 J BORE							S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	
SSA2-80 J BORE							S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K			
SSA2-100 J BORE							S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	
SSA2.5-15 J BORE		S5K	S5K	S5K															
SSA2.5-18 J BORE		S5K	S5K	S5K	S5K	S5K	S5K	S5K											
SSA2.5-20 J BORE				S5K	S5K	S5K	S5K	S5K	S5K										
SSA2.5-24 J BORE				S5K	S5K	S5K	S5K	S5K	S5K	S5K									
SSA2.5-25 J BORE				S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K								
SSA2.5-28 J BORE							S5K	S5K	S5K	S5K	S5K	S5K	S5K						
SSA2.5-30 J BORE							S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K					
SSA2.5-32 J BORE							S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K				
SSA2.5-35 J BORE							S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K			
SSA2.5-36 J BORE							S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K			
SSA2.5-40 J BORE										S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K		
SSA2.5-45 J BORE										S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	
SSA2.5-48 J BORE										S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	
SSA2.5-50 J BORE										S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	
SSA2.5-55 J BORE										S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	
SSA2.5-56 J BORE										S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	
SSA2.5-60 J BORE										S5K	S5K	S5K	S5K	S5K	S5K	S5K			
SSA2.5-70 J BORE										S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K		
SSA2.5-80 J BORE										S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	S5K	

[Caution on J series]

- ① As available-on-request products, these require a lead-time for shipping within 2 working days (excludes the day ordered), after placing an order.
- 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 Black oxide is not re-applied after hole and key secondary operations.