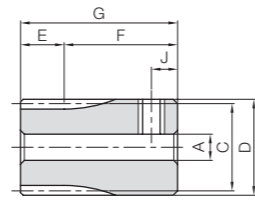
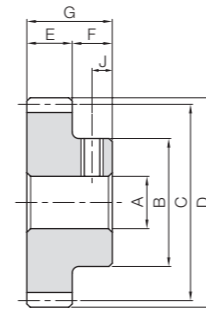




Specifications	
Precision grade	JIS grade N8 (JIS B1702-1: 1998)*
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	—
Tooth hardness	(less than 194HB)
Surface treatment	Black oxide coating



S3T



S1T

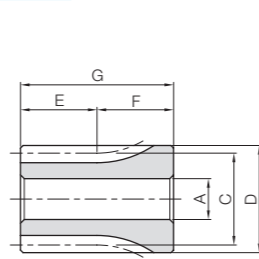
* The precision grade of products with a module of less than 0.8 is equivalent to the value shown in the table.

Catalog Number	Module	No. of teeth	Shape	Bore	Hub dia.	Pitch dia.	Outside dia.	Face width	Hub width	Total length	Socket head screw		
				A _{H7(H8)}	B	C	D	E	F	G	Size	J	
SS0.5-15A	m0.5	15	S3T	3 _{H8}	8.5	7.5	8.5	5	11	16	M3	2.5	
SS0.5-18A		18		4 _{H8}	10	9	10				M3		
SS0.5-20A		20		3 _{H8}	11	10	11				M3		
SS0.5-20B		20		4 _{H8}	11	10	11				M3		
SS0.5-22A		22		4 _{H8}	12	11	12				M3		
SS0.5-24A		24		4 _{H8}	13	12	13				M3		
SS0.5-24B		24	5 _{H8}	13	12	13	M4	3					
SS0.5-25B		25	5 _{H8}	13.5	12.5	13.5	M4	3					
SS0.5-28A		28	4 _{H8}	12	14	15	M3	3.5					
SS0.5-30B		30	5	13	15	16	M4						
SS0.5-50B		50	6	22	25	26	M4						
SS0.5-54A		54	5	25	27	28	M4						
SS0.5-60A	60	6	28	30	31	M4							
SS0.5-80A	80	6	28	40	41	M4							
SS0.5-80B	80	8	28	48	49	M5							
SS0.5-96A	96	8	28	48	49	M5							
SS0.5-120A	120	8	28	60	61	M5							
SS0.8-15A	m0.8	15	S3T	5 _{H8}	13.6	12	13.6		8	8	16	M4	4
SS0.8-20A		20	S1T	5 _{H8}	13	16	17.6					M4	
SS0.8-20B		20		6	18	22.4	24					M4	
SS0.8-25A		25	5 _{H8}	16	20	21.6	M4						
SS0.8-28A		28	6	18	22.4	24	M4						
SS0.8-30A		30	5 _{H8}	20	24	25.6	M5						
SS0.8-30C		30	8	20	24	25.6	M5						
SS0.8-40A		40	6	28	32	33.6	M4						
SS0.8-45A	45	6	28	36	37.6	M4							

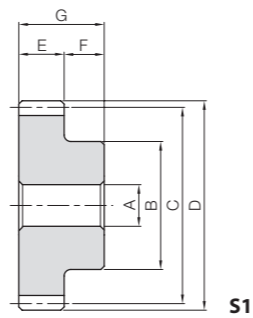
Allowable torque (N-m)		Allowable torque (kgf-m)		Backlash (mm)	Weight (kg)	Catalog Number
Bending strength	Surface durability	Bending strength	Surface durability			
0.46	0.022	0.047	0.0022	0~0.10	0.0056	SS0.5-15A
0.61	0.032	0.063	0.0033		0.0076	SS0.5-18A
0.72	0.040	0.073	0.0041		0.010	SS0.5-20A
0.83	0.049	0.084	0.0050		0.0095	SS0.5-20B
0.93	0.059	0.095	0.0060		0.012	SS0.5-22A
0.99	0.064	0.10	0.0065		0.014	SS0.5-24A
1.16	0.081	0.12	0.0082		0.013	SS0.5-24B
1.27	0.093	0.13	0.0095		0.014	SS0.5-25B
2.43	0.27	0.25	0.027		0.011	SS0.5-28A
2.67	0.32	0.27	0.032		0.012	SS0.5-30B
3.03	0.39	0.31	0.040		0.037	SS0.5-50B
4.24	0.72	0.43	0.074		0.047	SS0.5-54A
5.21	1.06	0.53	0.11	0.058	SS0.5-60A	
6.68	1.70	0.68	0.17	0.079	SS0.5-80A	
1.89	0.088	0.19	0.0090	0.077	SS0.5-80B	
2.94	0.17	0.30	0.017	0.099	SS0.5-96A	
4.05	0.27	0.41	0.027	0.14	SS0.5-120A	
4.73	0.34	0.48	0.035	0.019	SS0.8-15A	
5.19	0.39	0.53	0.040	0.018	SS0.8-20A	
7.55	0.72	0.77	0.074	0.017	SS0.8-20B	
8.75	0.93	0.89	0.095	0.029	SS0.8-25A	
				0.037	SS0.8-28A	
				0.045	SS0.8-30A	
				0.041	SS0.8-30C	
				0.085	SS0.8-40A	
				0.098	SS0.8-45A	



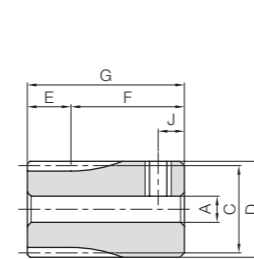
Specifications	
Precision grade	JIS grade N8 (JIS B1702-1: 1998)
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	—
Tooth hardness	(less than 194HB)
Surface treatment	Black oxide coating



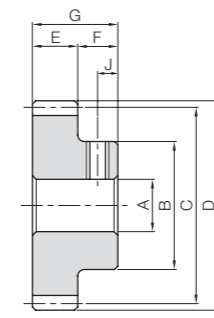
S3



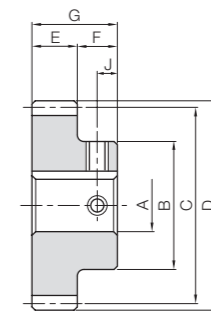
S1



S3T



S1T



S1K

H To order Hardened Plus, please specify **Catalog No. + H**. Example: **SS1-15H**

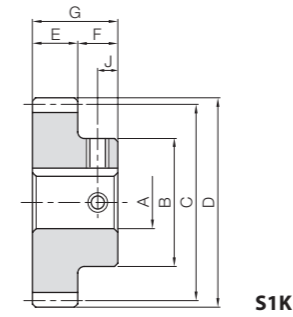
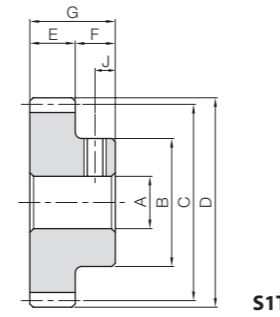
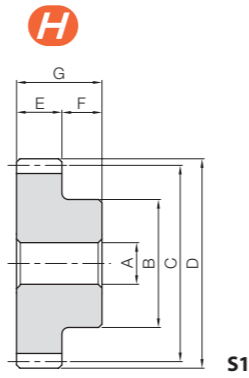
Catalog Number	Module	No. of teeth	Shape	Bore	Hub dia.	Pitch dia.	Outside dia.	Face width	Hub width	Total length	Keyway	Socket head screw																																																																																																									
				A _{H7}	B	C	D	E	F	G	Width x Depth	Size	J																																																																																																								
SS1-15	m1	15	S3	8	17	15	17	10	10	30	—	—	—																																																																																																								
SS1-15A			S3T	5								M4	4																																																																																																								
SS1-15B			S3T	6								M4	4																																																																																																								
SS1-16		16	S3	8	18	16	18					10	10	20	—	—	—																																																																																																				
SS1-16B			S3T	6												M4	4																																																																																																				
SS1-17			S3	8												19	17	19	10	10	20	—	—	—																																																																																													
SS1-18		S3	8	20	18	20	10																10	20	—	—	—																																																																																										
SS1-19		S3	8																							21	19	21	10	10	20	—	—	—																																																																																			
SS1-20		20	S1	8	16	20										22	10	10								20	—	—					—																																																																																				
SS1-20A			S1T	5																								M4					5																																																																																				
SS1-20B			S1T	6																								M4					5																																																																																				
SS1-20C		S1T	8	M5	5																																																																																																																
SS1-21		21	S1	8	17	21										23												10					10	20	—	—	—																																																																																
SS1-22		22	S1	8	18	22										24																				10	10	20	—	—	—																																																																												
SS1-23		23	S1	8	18	23										25																								10	10	20	—	—	—																																																																								
SS1-24		24	S1	8	20	24										26																												10	10	20	—	—	—																																																																				
SS1-24A			S1T	6																																												M4	5																																																																				
SS1-24C			S1K	10																																												4 x 1.8	M4	5																																																																			
SS1-25		25	S1	8	20	25										27																																10	10	20	—	—	—																																																																
SS1-25B			S1T	8																																																M5	5																																																																
SS1-25C			S1K	10																																																4 x 1.8	M4	5																																																															
SS1-26		26	S1	8	22	26										28																																				10	10	20	—	—	—																																																												
SS1-27		27	S1	8	22	27										29																																								10	10	20	—	—	—																																																								
SS1-28		28	S1	8	22	28										30																																												10	10	20	—	—	—																																																				
SS1-29		29	S1	8	24	29										31																																																10	10	20	—	—	—																																																
SS1-30		30	S1	10	25	30										32																																																				10	10	20	—	—	—																																												
SS1-30A			S1T	6																																																																				M4	5																																												
SS1-30B			S1T	8																																																																				M5	5																																												
SS1-32		32	S1	10	26	32										34																																																								10	10	20	—	—	—																																								
SS1-32A			S1T	8																																																																								M5	5																																								
SS1-34		34	S1	10	26	34										36																																																												10	10	20	—	—	—																																				
SS1-35		35	S1	10	26	35										37																																																																10	10	20	—	—	—																																
SS1-36		36	S1	10	28	36										38																																																																				10	10	20	—	—	—																												
SS1-38		38	S1	10	32	38										40																																																																								10	10	20	—	—	—																								
SS1-40		40	S1	10	35	40										42																																																																												10	10	20	—	—	—																				
SS1-40B			S1K	10																																																																																												4 x 1.8	M4	5																			
SS1-42		42	S1	10	35	42										44																																																																																10	10	20	—	—	—																
SS1-44		44	S1	10	35	44										46																																																																																				10	10	20	—	—	—												
SS1-45		45	S1	10	35	45										47																																																																																								10	10	20	—	—	—								
SS1-45A			S1T	8																																																																																																								M5	5								
SS1-45B			S1K	10																																																																																																								4 x 1.8	M4	5							
SS1-46		46	S1	10	35	46										48																																																																																												10	10	20	—	—	—				
SS1-48		48	S1	10	35	48										50																																																																																																10	10	20	—	—	—

[Caution on Secondary Operations] ① See Page 22 for more details on Hardened Plus (H Series and HJ Series).

Allowable torque						Backlash (mm)	Weight (kg)	Catalog Number
Bending strength		Surface durability		Surface durability H				
N-m	kgf-m	N-m	kgf-m	N-m	kgf-m			
3.69	0.38	0.17	0.018	0.85	0.086	0.08~0.18	0.038	SS1-15
							0.044	SS1-15A
							0.042	SS1-15B
4.09	0.42	0.2	0.021	0.98	0.10		0.044	SS1-16
							0.049	SS1-16B
4.5	0.46	0.23	0.023	1.12	0.11		0.050	SS1-17
4.91	0.5	0.26	0.027	1.26	0.13		0.057	SS1-18
5.33	0.54	0.29	0.030	1.42	0.14		0.065	SS1-19
							0.033	SS1-20
5.75	0.59	0.33	0.033	1.59	0.16		0.037	SS1-20A
							0.036	SS1-20B
							0.032	SS1-20C
6.17	0.63	0.36	0.037	1.77	0.18		0.037	SS1-21
6.6	0.67	0.4	0.041	1.95	0.20		0.042	SS1-22
7.03	0.72	0.45	0.045	2.15	0.22		0.045	SS1-23
							0.052	SS1-24
7.47	0.76	0.49	0.050	2.36	0.24		0.055	SS1-24A
							0.046	SS1-24C
							0.055	SS1-25
7.91	0.81	0.54	0.055	2.57	0.26		0.054	SS1-25B
							0.049	SS1-25C
8.35	0.85	0.58	0.059	2.79	0.28		0.064	SS1-26
8.79	0.9	0.63	0.064	3.01	0.31		0.067	SS1-27
9.24	0.94	0.68	0.070	3.25	0.33		0.070	SS1-28
9.69	0.99	0.73	0.075	3.49	0.36		0.079	SS1-29
							0.082	SS1-30
10.1	1.03	0.79	0.081	3.74	0.38		0.089	SS1-30A
							0.085	SS1-30B
11.1	1.13	0.90	0.092	4.27	0.44		0.092	SS1-32
							0.096	SS1-32A
12.0	1.22	1.03	0.10	4.83	0.49		0.10	SS1-34
12.4	1.27	1.09	0.11	5.13	0.52		0.10	SS1-35
12.9	1.31	1.16	0.12	5.44	0.55		0.12	SS1-36
13.8	1.41	1.30	0.13	6.08	0.62		0.14	SS1-38
							0.16	SS1-40
14.7	1.50	1.45	0.15	6.76	0.69		0.16	SS1-40B
15.7	1.60	1.61	0.16	7.47	0.76		0.17	SS1-42
16.6	1.69	1.77	0.18	8.23	0.84		0.18	SS1-44
							0.19	SS1-45
17.1	1.74	1.86	0.19	8.62	0.88		0.19	SS1-45A
							0.19	SS1-45B
17.6	1.79	1.95	0.20	9.02	0.92		0.19	SS1-46
18.5	1.89	2.13	0.22	9.84	1.00		0.21	SS1-48



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



H To order Hardened Plus, please specify **Catalog No. + H**. Example: **SS1-50H**

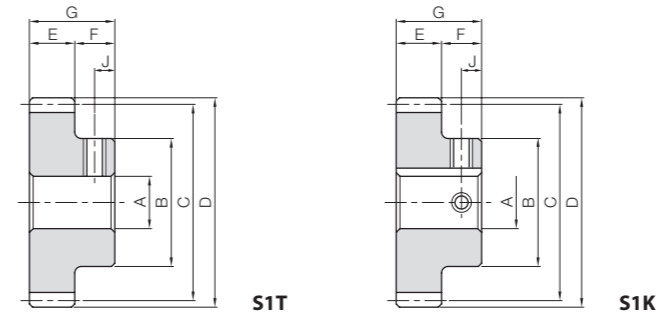
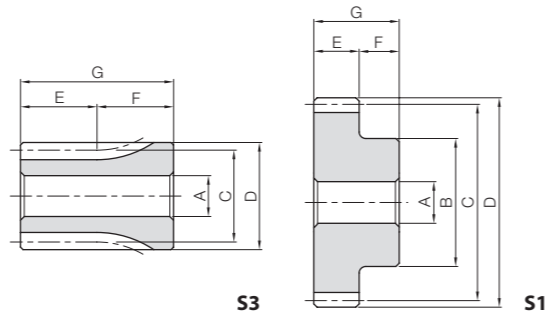
Catalog Number	Module	No. of teeth	Shape	Bore		Hub dia.		Pitch dia.	Outside dia.	Face width	Hub width	Total length	Keyway		Socket head screw											
				A _{H7}	B	C	D						E	F	G	Width x Depth	Size	J								
SS1-50 SS1-50A	m1	50	S1	10	35	50	52	10	10	20	—	—	—	—	—	—										
S1T			8	—													M5	5								
SS1-52		52	S1	10		52	54										—	—	—							
SS1-54		54	S1	10		54	56										—	—	—							
SS1-55		55	S1	10		55	57										—	—	—							
SS1-56		56	S1	10		56	58										—	—	—							
SS1-60 SS1-60C		60	S1	10		40	60										62	—	—	—	—	—	—	—	—	—
S1K		15	5 x 2.3	M4			5																			
SS1-62		62	S1	10		62	64										—	—	—							
SS1-64		64	S1	10		64	66										—	—	—							
SS1-65		65	S1	10		40	65										67	—	—	—						
SS1-68		68	S1	10			68										70	—	—	—						
SS1-70		70	S1	10		70	72										—	—	—							
SS1-72		72	S1	10		72	74										—	—	—							
SS1-75		75	S1	10		75	77										—	—	—							
SS1-76		76	S1	10		76	78										—	—	—							
SS1-80		80	S1	10		40	80										82	—	—	—						
SS1-84		84	S1	10			84										86	—	—	—						
SS1-85		85	S1	10		85	87										—	—	—							
SS1-88		88	S1	10		88	90										—	—	—							
SS1-90	90	S1	10	90	92	—	—	—																		
SS1-96	96	S1	10	96	98	—	—	—																		
SS1-100	100	S1	10	100	102	—	—	—																		
SS1-110	110	S1	15	50	110	112	—	—	—																	
SS1-120	120	S1	15	50	120	122	—	—	—																	
SS1-150	150	S1	20	120	150	152	—	—	—																	
SS1-200	200	S1	20	160	200	202	—	—	—																	

[Caution on Secondary Operations] ① See Page 22 for more details on Hardened Plus (H Series and HJ Series).

Allowable torque						Backlash (mm)	Weight (kg)	Catalog Number
Bending strength		Surface durability		Surface durability H				
N-m	kgf-m	N-m	kgf-m	N-m	kgf-m			
19.5	1.98	2.32	0.24	10.7	1.09	0.08~0.18	0.22	SS1-50
20.4	2.08	2.52	0.26	11.6	1.18		0.22	SS1-50A
21.4	2.18	2.73	0.28	12.5	1.28		0.23	SS1-52
21.8	2.23	2.83	0.29	13.0	1.33		0.24	SS1-54
22.3	2.28	2.94	0.30	13.5	1.38		0.24	SS1-55
24.2	2.47	3.40	0.35	15.6	1.59		0.25	SS1-56
25.2	2.57	3.64	0.37	16.7	1.70		0.26	SS1-60
26.2	2.67	3.89	0.40	17.8	1.81		0.27	SS1-60C
26.6	2.72	4.02	0.41	18.4	1.87		0.29	SS1-62
28.1	2.86	4.42	0.45	20.1	2.05		0.32	SS1-64
29.1	2.96	4.70	0.48	21.4	2.18		0.34	SS1-65
30.0	3.06	4.98	0.51	22.6	2.31		0.35	SS1-68
31.5	3.21	5.43	0.55	24.6	2.51		0.37	SS1-70
32.0	3.26	5.59	0.57	25.3	2.58		0.39	SS1-72
33.9	3.46	6.23	0.63	28.1	2.87		0.41	SS1-75
35.8	3.66	6.90	0.7	31.1	3.17		0.43	SS1-76
36.3	3.71	7.08	0.72	31.8	3.25		0.44	SS1-80
37.8	3.85	7.62	0.78	34.2	3.48		0.48	SS1-84
38.8	3.95	7.98	0.81	35.8	3.65		0.52	SS1-85
41.7	4.25	9.15	0.93	40.8	4.16		0.53	SS1-88
43.7	4.45	9.97	1.02	44.4	4.53	0.56	SS1-90	
48.6	4.95	12.2	1.24	53.9	5.50	0.59	SS1-96	
53.5	5.45	14.7	1.50	64.4	6.57	0.65	SS1-100	
68.2	6.96	23.6	2.41	102	10.4	0.70	SS1-110	
71.5	7.29	33.6	3.42	144	14.7	0.87	SS1-120	
						1.01	SS1-150	
						2.23	SS1-200	
						4.00	SS1-200	



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



H To order Hardened Plus, please specify **Catalog No. + H**. Example: **SS1.5-12H**

Catalog Number	Module	No. of teeth	Shape	Bore				Face width	Hub width	Total length	Keyway	Socket head screw																																																																											
				AH7	B	C	D					Width x Depth	Size	J																																																																									
SS1.5-12	m1.5	12	S3	8	21	18	21	15	15	30	—	—	—																																																																										
SS1.5-13		13	S3	8	22.5	19.5	22.5							10	25	—	—	—																																																																					
SS1.5-14		14	S1	8	16	21	24												4 x 1.8	M4	5																																																																		
SS1.5-14B			S1T	8	16	21	24																																																																																
SS1.5-15		15	S1	8	18	22.5	25.5															—	—	—																																																															
SS1.5-16		16	S1	8	20	24	27																		—	—	—																																																												
SS1.5-16B			S1T	8	20	24	27																																																																																
SS1.5-17		17	S1	8	21	25.5	28.5																					—	—	—																																																									
SS1.5-18		18	S1	8	22	27	30																								—	—	—																																																						
SS1.5-19		19	S1	8	23	28.5	31.5																											—	—	—																																																			
SS1.5-20		20	S1	8	24	30	33																														—	—	—																																																
SS1.5-21		21	S1	8	25	31.5	34.5																																	—	—	—																																													
SS1.5-22		22	S1	8	26	33	36																																				—	—	—																																										
SS1.5-23		23	S1	8	27	34.5	37.5																																							—	—	—																																							
SS1.5-24		24	S1	8	28	36	39																																										—	—	—																																				
SS1.5-25		25	S1	8	30	37.5	40.5																																													—	—	—																																	
SS1.5-26		26	S1	10	32	39	42																																																—	—	—																														
SS1.5-26A			S1K	12	32	39	42																																																																																
SS1.5-27		27	S1	10	34	40.5	43.5																																																			—	—	—																											
SS1.5-28		28	S1	10	36	42	45																																																						—	—	—																								
SS1.5-28A			S1K	12	36	42	45																																																																																
SS1.5-29		29	S1	10	37	43.5	46.5																																																									—	—	—																					
SS1.5-30		30	S1	10	38	45	48																																																												—	—	—																		
SS1.5-30C			S1K	15	38	45	48																																																																																
SS1.5-32		32	S1	10	40	48	51																																																															—	—	—															
SS1.5-32B			S1K	12	40	48	51																																																																																
SS1.5-34		34	S1	10	40	51	54																																																																		—	—	—												
SS1.5-35		35	S1	10	42	52.5	55.5																																																																					—	—	—									
SS1.5-36		36	S1	10	45	54	57																																																																								—	—	—						
SS1.5-38		38	S1	12	45	57	60																																																																											—	—	—			
SS1.5-40		40	S1	12	45	60	63																																																																														—	—	—

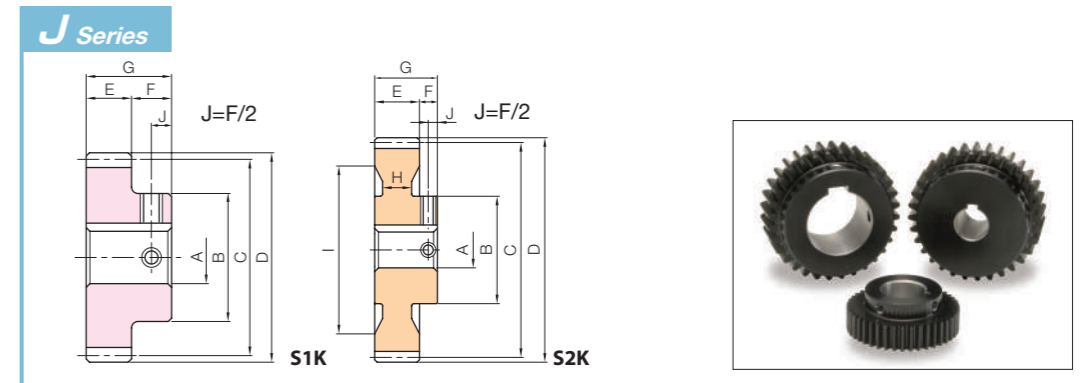
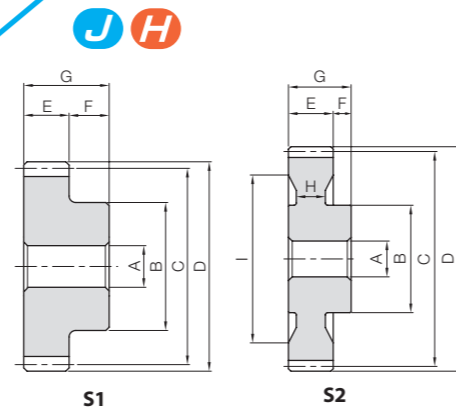
[Caution on Secondary Operations] ① See Page 22 for more details on Hardened Plus (H Series and HJ Series).

Allowable torque						Backlash (mm)	Weight (kg)	Catalog Number		
Bending strength		Surface durability		Surface durability H						
N-m	kgf-m	N-m	kgf-m	N-m	kgf-m					
6.86	0.70	0.36	0.037	1.76	0.18	0.10~0.22	0.059	SS1.5-12		
8.84	0.90	0.44	0.045	2.12	0.22				0.070	SS1.5-13
11.1	1.13	0.52	0.053	2.50	0.26				0.047	SS1.5-14
12.5	1.27	0.60	0.062	2.91	0.30				0.046	SS1.5-14B
13.8	1.41	0.70	0.071	3.36	0.34				0.057	SS1.5-15
15.2	1.55	0.80	0.082	3.84	0.39				0.068	SS1.5-16
16.6	1.69	0.91	0.093	4.35	0.44				0.067	SS1.5-16B
18.0	1.83	1.03	0.11	4.89	0.50				0.077	SS1.5-17
19.4	1.98	1.15	0.12	5.47	0.56				0.087	SS1.5-18
20.8	2.12	1.29	0.13	6.08	0.62				0.098	SS1.5-19
22.3	2.27	1.43	0.15	6.72	0.69				0.11	SS1.5-20
23.7	2.42	1.58	0.16	7.40	0.75				0.12	SS1.5-21
25.2	2.57	1.73	0.18	8.12	0.83				0.13	SS1.5-22
26.7	2.72	1.90	0.19	8.87	0.90				0.15	SS1.5-23
28.2	2.87	2.06	0.21	9.62	0.98				0.16	SS1.5-24
29.7	3.03	2.23	0.23	10.4	1.06				0.18	SS1.5-25
31.2	3.18	2.41	0.25	11.2	1.14				0.19	SS1.5-26
32.7	3.34	2.60	0.26	12.1	1.23				0.18	SS1.5-26A
34.2	3.49	2.79	0.28	12.9	1.32				0.21	SS1.5-27
37.3	3.80	3.19	0.33	14.8	1.51				0.23	SS1.5-28
40.4	4.12	3.63	0.37	16.7	1.71				0.22	SS1.5-28A
41.9	4.28	3.85	0.39	17.8	1.81				0.24	SS1.5-29
43.5	4.43	4.09	0.42	18.8	1.92				0.26	SS1.5-30
46.6	4.75	4.58	0.47	21.0	2.14				0.24	SS1.5-30C
49.8	5.07	5.10	0.52	23.4	2.38				0.26	SS1.5-32
									0.28	SS1.5-32B
									0.32	SS1.5-34
									0.35	SS1.5-35
									0.38	SS1.5-36
									0.40	SS1.5-38
									0.44	SS1.5-40



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
Backlash	0.10 to 0.22

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



H To order Hardened Plus, please specify **Catalog No. + H**. Example: **SS1.5-42H**

Catalog Number	No. of teeth	Shape	Bore	Hub dia.	Pitch dia.	Outside dia.	Face width	Hub width	Total length	Web thickness	Web O.D.	Allowable torque						Weight (kg)						
												Bending strength		Surface durability		Surface durability H								
												N·m	kgf·m	N·m	kgf·m	N·m	kgf·m							
SS1.5-42	H 42	S1	12	45	63	66	15	10	25	9	125	52.9	5.40	5.65	0.58	25.8	2.63	0.47						
SS1.5-44	H 44				66	69						56.1	5.72	6.23	0.64	28.4	2.90	0.51						
SS1.5-45	H 45				67.5	70.5						57.7	5.88	6.53	0.67	29.8	3.03	0.52						
SS1.5-46	H 46				69	72						59.3	6.04	6.83	0.70	31.1	3.17	0.54						
SS1.5-48	H 48				72	75						62.4	6.37	7.47	0.76	34.0	3.46	0.58						
SS1.5-50	H 50				75	78						65.7	6.69	8.15	0.83	36.9	3.77	0.62						
SS1.5-52	H 52				78	81						68.9	7.02	8.85	0.90	40.0	4.08	0.68						
SS1.5-54	H 54				81	84						72.1	7.35	9.59	0.98	43.3	4.41	0.73						
SS1.5-55	H 55				82.5	85.5						73.7	7.51	9.96	1.02	44.9	4.58	0.75						
SS1.5-56	H 56				84	87						75.3	7.68	10.4	1.06	46.6	4.75	0.77						
SS1.5-58	H 58	S1	15	55	87	90	15	10	25	9	125	78.5	8.01	11.2	1.14	50.1	5.11	0.82						
SS1.5-60	H 60				90	93						81.8	8.34	12.0	1.22	53.7	5.47	0.87						
SS1.5-62	H 62				93	96						85.0	8.67	12.8	1.31	57.4	5.85	0.95						
SS1.5-64	H 64				96	99						88.3	9.00	13.7	1.40	61.3	6.25	1.00						
SS1.5-68	H 68				102	105						94.8	9.66	15.6	1.59	69.3	7.07	1.11						
SS1.5-70	H 70				105	108						98.0	10.0	16.6	1.69	73.6	7.50	1.17						
SS1.5-72	H 72				108	111						101	10.3	17.6	1.79	77.9	7.95	1.23						
SS1.5-75	H 75				112.5	115.5						106	10.8	19.2	1.95	84.7	8.64	1.36						
SS1.5-76	H 76				114	117						108	11.0	19.7	2.01	87.0	8.88	1.39						
SS1.5-80	H 80				120	123						114	11.7	22.0	2.24	96.7	9.86	1.52						
SS1.5-84	H 84	S1	20	60	126	129	15	10	25	9	125	121	12.3	24.4	2.49	107	10.9	1.66						
SS1.5-88	H 88				132	135						128	13.0	27.0	2.75	117	12.0	1.80						
SS1.5-90	H 90				135	138						131	13.3	28.3	2.89	123	12.5	1.87						
SS1.5-95	H 95				142.5	145.5						139	14.2	31.8	3.24	137	14.0	2.07						
SS1.5-100	H 100				150	153						147	15.0	35.5	3.62	152	15.5	1.88						
SS1.5-120	H 120				S2	25						70	180	183	15	10	153	180	18.4	52.3	5.33	221	22.5	2.74
SS1.5-150	H 150												180	225				228	192	19.6	70.3	7.17	276	28.1
SS1.5-200	H 200				S1	25						240	300	303	15	10	153	261	26.7	131	13.3	504	51.4	11.8

[Caution on Secondary Operations] ① See Page 22 for more details on Hardened Plus (H Series and HJ Series).

To order J Series products, please specify: **Catalog No. + J + BORE**. Example: **SS1.5-42J12**

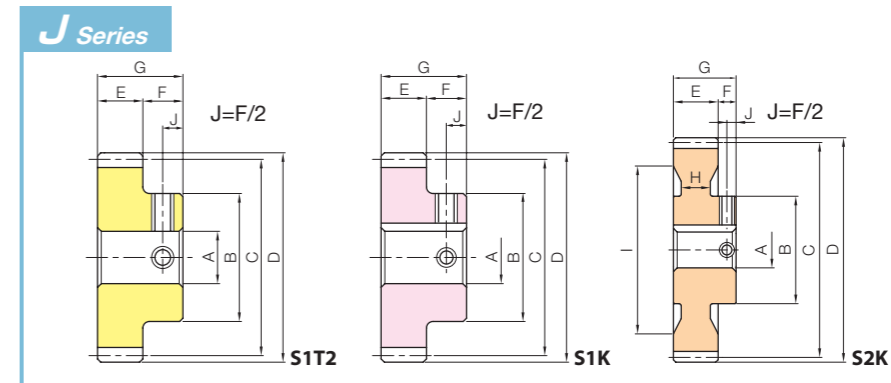
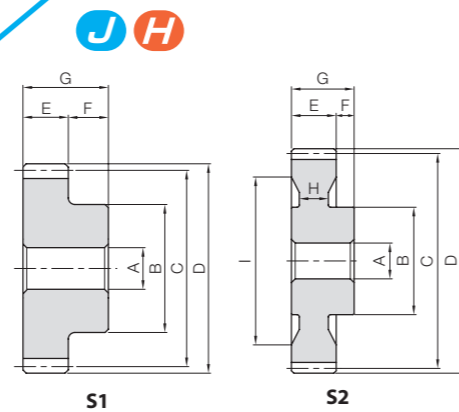
Catalog Number	Bore H7	* The product shapes of J Series items are identified by background color.																			
		10	12	14	15	16	17	18	19	20	22	25	28	30	32	35					
Keyway JS9		4x1.8				5x2.3				6x2.8				8x3.3				10x3.3			
Screw size		M4				M5				M6				M8							
SS1.5-42 J BORE		*																			
SS1.5-44 J BORE		*																			
SS1.5-45 J BORE		*																			
SS1.5-46 J BORE		*																			
SS1.5-48 J BORE		*																			
SS1.5-50 J BORE		*																			
SS1.5-52 J BORE					*																
SS1.5-54 J BORE					*																
SS1.5-55 J BORE					*																
SS1.5-56 J BORE					*																
SS1.5-58 J BORE					*																
SS1.5-60 J BORE					*																
SS1.5-62 J BORE					*																
SS1.5-64 J BORE					*																
SS1.5-68 J BORE					*																
SS1.5-70 J BORE					*																
SS1.5-72 J BORE					*																
SS1.5-75 J BORE					*																
SS1.5-76 J BORE					*																
SS1.5-80 J BORE					*																
SS1.5-84 J BORE					*																
SS1.5-88 J BORE					*																
SS1.5-90 J BORE					*																
SS1.5-95 J BORE					*																
SS1.5-100 J BORE					*																
SS1.5-120 J BORE					*																
SS1.5-150																					
SS1.5-200																					

[Caution on J series] ① Cancellation is not possible for made-to-order products. See page 42 for lead times and allowable order quantities. See page 44 for other precautions.
 ② "*" is a product with the original bore diameter, so Hardened Plus is not available. See Page 22 for more details on Hardened Plus.



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
Backlash	0.12 to 0.26

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



Ⓜ To order Hardened Plus, please specify **Catalog No. + H**. Example: SS2-12H

Catalog Number	No. of teeth	Shape	Bore	Hub dia.	Pitch dia.	Outside dia.	Face width	Hub width	Total length	Web thickness	Web O.D.	Allowable torque						Weight (kg)
												Bending strength		Surface durability		Surface durability Ⓜ		
												N·m	kgf·m	N·m	kgf·m	N·m	kgf·m	
SS2-12	12	S1	10	18	24	28	20	10	30	—	—	16.3	1.66	0.88	0.090	4.24	0.43	0.073
SS2-13	13			20	26	30						21.0	2.14	1.07	0.11	5.11	0.52	0.090
SS2-14	14			20	28	32						26.3	2.69	1.26	0.13	6.02	0.61	0.10
SS2-15	15			24	30	34						29.6	3.01	1.48	0.15	7.01	0.71	0.12
SS2-16	16			26	32	36						32.7	3.34	1.71	0.17	8.08	0.82	0.14
SS2-17	17			28	34	38						36.0	3.67	1.96	0.20	9.23	0.94	0.16
SS2-18	18		30	36	40	39.3	4.01	2.23	0.23	10.5	1.07	0.19						
SS2-19	19		31	38	42	42.6	4.35	2.52	0.26	11.8	1.20	0.21						
SS2-20	20		32	40	44	46.0	4.69	2.83	0.29	13.2	1.34	0.23						
SS2-21	21		34	42	46	49.4	5.04	3.15	0.32	14.7	1.50	0.26						
SS2-22	22		36	44	48	52.8	5.39	3.50	0.36	16.2	1.66	0.29						
SS2-23	23		37	46	50	56.3	5.74	3.86	0.39	17.9	1.82	0.32						
SS2-24	24	38	48	52	59.8	6.09	4.24	0.43	19.6	2.00	0.35							
SS2-25	25	40	50	54	63.3	6.45	4.64	0.47	21.4	2.18	0.38							
SS2-26	26	42	52	56	66.8	6.81	5.04	0.51	23.2	2.37	0.42							
SS2-27	27	45	54	58	70.4	7.17	5.45	0.56	25.1	2.56	0.46							
SS2-28	28	45	56	60	73.9	7.54	5.89	0.60	27.0	2.76	0.48							
SS2-29	29	47	58	62	77.5	7.91	6.33	0.65	29.1	2.96	0.52							
SS2-30	30	50	60	64	81.1	8.27	6.80	0.69	31.2	3.18	0.57							
SS2-32	32	50	64	68	88.4	9.01	7.78	0.79	35.6	3.63	0.63							
SS2-34	34	S1	12	50	68	72	20	10	30	—	—	95.7	9.76	8.84	0.90	40.3	4.11	0.70
SS2-35	35			52	70	74						99.3	10.1	9.39	0.96	42.8	4.36	0.74
SS2-36	36			55	72	76						103	10.5	9.96	1.02	45.3	4.62	0.80
SS2-38	38			55	76	80						111	11.3	11.2	1.14	50.6	5.16	0.87
SS2-40	40			55	80	84						118	12.0	12.5	1.27	56.2	5.73	0.93
SS2-42	42			84	88	88						125	12.8	13.8	1.41	62.1	6.34	1.01
SS2-44	44		88	92	92	133	13.6	15.2	1.55	68.3	6.97	1.10						
SS2-45	45		90	94	94	137	13.9	16.0	1.63	71.6	7.30	1.14						
SS2-46	46		92	96	96	140	14.3	16.7	1.71	74.9	7.63	1.19						
SS2-48	48		96	100	100	148	15.1	18.3	1.87	81.7	8.33	1.28						
SS2-50	50		100	104	104	156	15.9	19.9	2.03	88.8	9.05	1.38						
SS2-52	52		104	108	108	163	16.6	21.7	2.21	96.2	9.81	1.48						
SS2-54	54	108	112	112	171	17.4	23.4	2.39	104	10.6	1.58							
SS2-55	55	110	114	114	175	17.8	24.4	2.48	108	11.0	1.64							
SS2-56	56	112	116	116	179	18.2	25.3	2.58	112	11.4	1.69							
SS2-58	58	S1	15	116	120	120	20	10	30	—	—	186	19.0	27.3	2.78	120	12.3	1.84
SS2-60	60			120	124	124						194	19.8	29.3	2.99	129	13.1	1.96
SS2-62	62			124	128	128						202	20.6	31.5	3.21	138	14.1	2.08
SS2-64	64			128	132	132						209	21.3	33.7	3.44	147	15.0	2.20
SS2-65	65			130	134	134						213	21.7	34.8	3.55	152	15.5	2.26
SS2-66	66			132	136	136						217	22.1	36.0	3.67	157	16.0	2.33
SS2-68	68		136	140	140	225	22.9	38.4	3.91	166	17.0	2.46						
SS2-70	70		140	144	144	232	23.7	40.8	4.16	177	18.0	2.60						
SS2-72	72		144	148	148	240	24.5	43.3	4.42	187	19.1	2.74						
SS2-75	75		150	154	154	252	25.7	47.3	4.82	203	20.7	2.92						
SS2-76	76		60	152	156	256	26.1	48.6	4.96	209	21.3	3.00						
SS2-80	80		60	160	164	271	27.7	54.3	5.53	232	23.6	2.67						
SS2-84	84	70	168	172	287	29.2	60.2	6.14	256	26.1	3.09							
SS2-85	85	70	170	174	291	29.6	61.7	6.30	262	26.8	3.09							
SS2-90	90	70	180	184	310	31.6	69.7	7.11	295	30.1	3.38							
SS2-100	100	70	200	204	357	35.7	81.7	8.17	338	34.4	3.74							
SS2-120	120	90	240	244	455	45.5	100.0	10.00	421	43.0	5.91							
SS2-150	150	150	300	304	—	—	—	—	—	—	—	—						

[Caution on Secondary Operations] ① See Page 22 for more details on Hardened Plus (H Series and HJ Series).

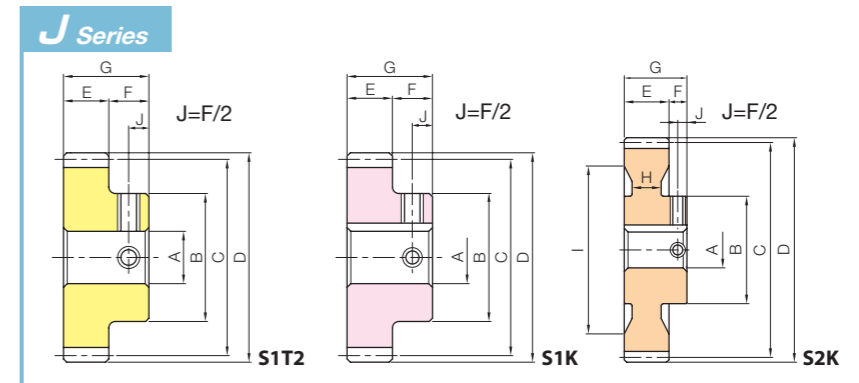
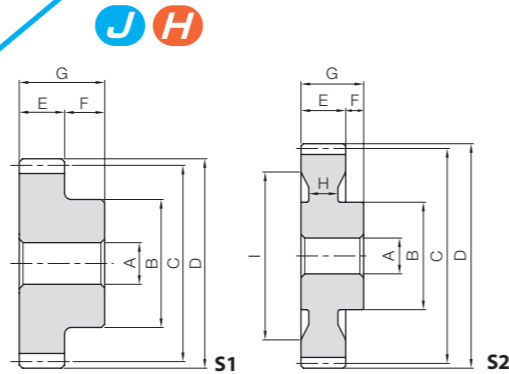
To order J Series products, please specify: **Catalog No. + J + BORE**. Example: SS2-12J10

Bore H7	* The product shapes of J Series items are identified by background color.																
	Keyway JS9		10	12	14	15	16	17	18	19	20	22	25	28	30	32	35
	Screw size		4x1.8			5x2.3			6x2.8			8x3.3			10x3.3		
Catalog Number	M4 M5 M6 M8																
SS2-12 J BORE	*																
SS2-13 J BORE	*																
SS2-14 J BORE	*																
SS2-15 J BORE		*															
SS2-16 J BORE		*															
SS2-17 J BORE		*															
SS2-18 J BORE		*															
SS2-19 J BORE		*															
SS2-20 J BORE		*															
SS2-21 J BORE		*															
SS2-22 J BORE		*															
SS2-23 J BORE		*															
SS2-24 J BORE		*															
SS2-25 J BORE		*															
SS2-26 J BORE		*															
SS2-27 J BORE		*															
SS2-28 J BORE		*															
SS2-29 J BORE		*															
SS2-30 J BORE		*															
SS2-32 J BORE		*															
SS2-34 J BORE		*															
SS2-35 J BORE		*															
SS2-36 J BORE		*															
SS2-38 J BORE		*															
SS2-40 J BORE		*															
SS2-42 J BORE			*														
SS2-44 J BORE			*														
SS2-45 J BORE			*														
SS2-46 J BORE			*														
SS2-48 J BORE			*														
SS2-50 J BORE			*														
SS2-52 J BORE			*														
SS2-54 J BORE			*														
SS2-55 J BORE			*														
SS2-56 J BORE			*														
SS2-58 J BORE			*														
SS2-60 J BORE			*														
SS2-62 J BORE			*														
SS2-64 J BORE			*														
SS2-65 J BORE			*														
SS2-66 J BORE																	



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
Backlash	0.14 to 0.28

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



To order Hardened Plus, please specify Catalog No. + H. Example: SS2.5-12H

Catalog Number	No. of teeth	Shape	Bore	Hub dia.	Pitch dia.	Outside dia.	Face width	Hub width	Total length	Web thickness	Web O.D.	Allowable torque						Weight (kg)		
												Bending strength		Surface durability		Surface durability (H)				
												N·m	kgf·m	N·m	kgf·m	N·m	kgf·m			
SS2.5-12	12	S1	12	23	30	35	25	12	37	—	—	31.8	3.24	1.77	0.18	8.37	0.85	0.15		
SS2.5-13	13			25	32.5	37.5						40.9	4.17	2.14	0.22	10.1	1.03	0.18		
SS2.5-14	14			25	35	40						51.5	5.25	2.53	0.26	11.9	1.21	0.20		
SS2.5-15	15			30	37.5	42.5						57.7	5.89	2.96	0.30	13.9	1.41	0.23		
SS2.5-16	16			32	40	45						64.0	6.52	3.43	0.35	16.0	1.63	0.27		
SS2.5-17	17			35	42.5	47.5						70.3	7.17	3.93	0.40	18.3	1.86	0.32		
SS2.5-18	18			38	45	50						76.7	7.82	4.47	0.46	20.7	2.11	0.37		
SS2.5-20	20			40	50	55						89.8	9.16	5.66	0.58	26.1	2.66	0.45		
SS2.5-22	22			44	55	60						103	10.5	6.99	0.71	32.1	3.28	0.56		
SS2.5-23	23			46	57.5	62.5						110	11.2	7.71	0.79	35.4	3.61	0.61		
SS2.5-24	24			48	60	65						117	11.9	8.47	0.86	38.8	3.95	0.67		
SS2.5-25	25			50	62.5	67.5						124	12.6	9.26	0.94	42.3	4.32	0.74		
SS2.5-26	26	55	65	70	130	13.3	10.1	1.03	45.9	4.68	0.82									
SS2.5-27	27	60	67.5	72.5	137	14.0	10.9	1.11	49.6	5.06	0.92									
SS2.5-28	28	60	70	75	144	14.7	11.7	1.20	53.4	5.45	0.97									
SS2.5-30	30	S1	15	65	75	80	25	12	37	—	—	159	16.2	13.6	1.39	61.6	6.28	1.13		
SS2.5-32	32			70	80	85						173	17.6	15.6	1.59	70.3	7.17	1.30		
SS2.5-34	34			70	85	90						187	19.1	17.7	1.80	79.6	8.11	1.42		
SS2.5-35	35			70	87.5	92.5						194	19.8	18.8	1.92	84.4	8.61	1.49		
SS2.5-36	36			70	90	95						201	20.5	20.0	2.04	89.5	9.12	1.56		
SS2.5-38	38			20	70	95						100	216	22.0	22.4	2.28	99.9	10.2	1.66	
SS2.5-40	40					100						105	230	23.5	24.9	2.54	111	11.3	1.81	
SS2.5-42	42					105						110	245	25.0	27.6	2.82	123	12.5	1.97	
SS2.5-44	44					110						115	260	26.5	30.5	3.11	135	13.8	2.14	
SS2.5-45	45					112.5						117.5	267	27.2	31.9	3.26	141	14.4	2.22	
SS2.5-46	46					115						120	274	28.0	33.5	3.41	148	15.1	2.31	
SS2.5-48	48					120						125	289	29.5	36.7	3.74	161	16.4	2.49	
SS2.5-50	50	125	130			304	31.0	40.0	4.08	175	17.9	2.68								
SS2.5-52	52	130	135			319	32.5	43.5	4.44	190	19.3	2.88								
SS2.5-54	54	135	140			334	34.0	47.2	4.81	205	20.9	3.08								
SS2.5-56	56	S2	25			70	140	145	25	15	15	15	15	349	35.6	51.0	5.20	221	22.5	3.29
SS2.5-58	58					70	145	150						364	37.1	55.0	5.61	237	24.2	3.51
SS2.5-60	60			70	150	155	379	38.6						59.1	6.03	254	25.9	3.69		
SS2.5-64	64			80	160	165	409	41.7						67.8	6.92	290	29.6	3.76		
SS2.5-66	66			80	165	170	424	43.2						72.4	7.39	309	31.5	3.87		
SS2.5-68	68			170	175	140	439	44.7						77.2	7.87	328	33.4	4.13		
SS2.5-70	70			175	180	146	454	46.3						82.1	8.37	348	35.5	4.30		
SS2.5-72	72			180	185	151	469	47.8						87.1	8.89	368	37.6	4.49		
SS2.5-76	76			190	195	160	499	50.9						97.7	9.97	411	41.9	4.90		
SS2.5-80	80			200	205	441	45.0	90.9						9.27	359	36.7	6.50			
SS2.5-90	90			90	225	230	505	51.5						117	12.0	460	46.9	8.20		
SS2.5-100	100			90	250	255	569	58.0						147	15.0	573	58.5	10.0		
SS2.5-120	120	100	300	305	696	71.0	218	22.2	840	85.7	10.8									

[Caution on Secondary Operations] ① See Page 22 for more details on Hardened Plus (H Series and HJ Series).

To order J Series products, please specify: Catalog No. + J + BORE. Example: SS2.5-12J12

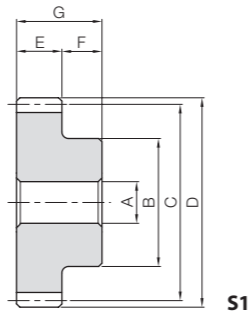
Bore H7	* The product shapes of J Series items are identified by background color.															
	12	14	15	16	17	18	19	20	22	25	28	30	32	35	40	
Keyway JS9	12	14	15	16	17	18	19	20	22	25	28	30	32	35	40	
Screw size	4x1.8	5x2.3				6x2.8				8x3.3				10x3.3	12x3.3	
Catalog Number	M4				M5				M6				M8			
SS2.5-12 J BORE	*															
SS2.5-13 J BORE	*															
SS2.5-14 J BORE	*															
SS2.5-15 J BORE			*													
SS2.5-16 J BORE			*													
SS2.5-17 J BORE			*													
SS2.5-18 J BORE			*													
SS2.5-20 J BORE			*													
SS2.5-22 J BORE			*													
SS2.5-23 J BORE			*													
SS2.5-24 J BORE			*													
SS2.5-25 J BORE			*													
SS2.5-26 J BORE			*													
SS2.5-27 J BORE			*													
SS2.5-28 J BORE			*													
SS2.5-30 J BORE			*													
SS2.5-32 J BORE			*													
SS2.5-34 J BORE			*													
SS2.5-35 J BORE			*													
SS2.5-36 J BORE			*													
SS2.5-38 J BORE										*						
SS2.5-40 J BORE										*						
SS2.5-42 J BORE										*						
SS2.5-44 J BORE										*						
SS2.5-45 J BORE										*						
SS2.5-46 J BORE										*						
SS2.5-48 J BORE										*						
SS2.5-50 J BORE										*						
SS2.5-52 J BORE										*						
SS2.5-54 J BORE										*						
SS2.5-56 J BORE										*						
SS2.5-58 J BORE										*						
SS2.5-60 J BORE										*						
SS2.5-64 J BORE										*						
SS2.5-66 J BORE										*						
SS2.5-68 J BORE										*						
SS2.5-70 J BORE										*						
SS2.5-72 J BORE										*						
SS2.5-76 J BORE										*						
SS2.5-80 J BORE										*						
SS2.5-90 J BORE											*					
SS2.5-100 J BORE											*					
SS2.5-120 J BORE											*					

[Caution on J series] ① Cancellation is not possible for made-to-order products. See page 42 for lead times and allowable order quantities. See page 44 for other precautions.
② "*" is a product with the original bore diameter, so Hardened Plus is not available. See Page 22 for more details on Hardened Plus.

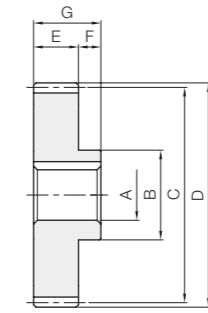
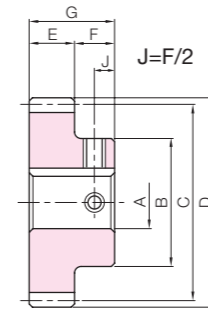


Specifications	
Precision grade	JIS grade N8 (JIS B1702-1: 1998)*
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	—
Tooth hardness	(less than 194HB)
Surface treatment	Black oxide coated (excludes semi-custom products)
Backlash	0.22 to 0.48

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



J Series



To order Hardened Plus, please specify Catalog No. + H. Example: SS6-12H

Catalog Number	No. of teeth	Shape	Bore	Hub dia.	Pitch dia.	Outside dia.	Face width	Hub width	Total length	Allowable torque						Weight (kg)					
										Bending strength		Surface durability		Surface durability (H)							
										N·m	kgf·m	N·m	kgf·m	N·m	kgf·m						
SS6-12	12	S1	AH7	B	C	D	E	F	G	28	88	60	23	83	439	44.8	26.8	2.73	122	12.4	2.10
SS6-14	14														711	72.5	38.4	3.92	173	17.6	2.89
SS6-15	15														798	81.4	44.9	4.58	201	20.5	3.50
SS6-16	16														884	90.2	52.0	5.30	232	23.7	4.04
SS6-17	17														972	99.1	59.6	6.07	265	27.0	4.56
SS6-18	18														1060	108	67.7	6.90	300	30.6	5.08
SS6-19	19														1150	117	76.4	7.79	338	34.4	5.87
SS6-20	20														1240	127	85.9	8.75	377	38.5	6.71
SS6-21	21														1330	136	95.9	9.78	419	42.7	7.35
SS6-22	22														1430	145	107	10.9	463	47.3	8.11
SS6-23	23									1520	155	118	12.0	510	52.0	8.90					
SS6-24	24									1610	165	129	13.2	559	57.0	9.73					
SS6-25	25									1710	174	142	14.5	610	62.2	10.6					
SS6-26	26									1800	184	154	15.7	661	67.4	11.5					
SS6-27	27									1900	194	167	17.0	713	72.7	12.4					
SS6-28	28									2000	204	181	18.4	768	78.3	13.4					
SS6-30	30									2190	223	209	21.3	884	90.2	15.4					
SS6-32	32									1990	203	200	20.4	792	80.8	16.4					
SS6-34	34									2150	220	228	23.2	899	91.7	18.1					
SS6-35	35									2240	228	242	24.7	955	97.4	19.0					
SS6-36	36									2320	237	258	26.3	1010	103	20.0					
SS6-38	38									2490	254	289	29.5	1130	116	22.0					
SS6-40	40									2650	271	323	33.0	1260	129	24.0					
SS6-42	42									2820	288	359	36.6	1400	143	25.9					
SS6-44	44									2990	305	397	40.5	1540	157	28.2					
SS6-45	45	3080	314	416	42.5	1620	165	30.7													
SS6-46	46	3160	322	436	44.5	1690	173	32.0													
SS6-48	48	3330	340	478	48.8	1850	189	34.5													
SS6-50	50	3500	357	522	53.2	2020	206	37.1													
SS6-52S	52	S1	40	180	312	324	60	23	83	3390	346	515	52.5	—	—	39.8					
SS6-54S	54									3550	362	558	56.9	—	—	42.6					
SS6-55S	55									3630	370	581	59.2	—	—	44.1					
SS6-56S	56									3710	378	603	61.5	—	—	45.5					
SS6-58S	58									3870	394	651	66.4	—	—	48.6					
SS6-60S	60									4030	411	700	71.4	—	—	51.7					
SS6-62S	62									4190	427	751	76.6	—	—	55.5					
SS6-64S	64									4350	443	804	82.0	—	—	58.9					
SS6-65S	65									4430	451	832	84.8	—	—	61.1					
SS6-66S	66									4510	460	860	87.7	—	—	62.9					
SS6-68S	68									4670	476	917	93.5	—	—	66.4					
SS6-70S	70									4830	492	976	99.5	—	—	70.7					
SS6-80S	80									5630	575	1300	133	—	—	92.6					
SS6-90S	90									6440	657	1680	172	—	—	117					
SS6-100S	100									6740	687	1970	200	—	—	145					

[Caution on Product Characteristics] ① Products with S at the end of the catalog number are semi-custom stock products. See page 42 for lead times and allowable order quantities. See page 44 for other precautions.
 ② For S semi-custom standard products weighing 15 kg or more, eyebolt screw threads (2-M12 depth 25 mm) are machined around the outside of the hub side surface. Details of the PCD of the screw threads are located on page 51.
 [Caution on Secondary Operations] ① See Page 22 for more details on Hardened Plus (H Series and HJ Series).

To order J Series products, please specify: Catalog No. + J + BORE. Example: SS6-12J25

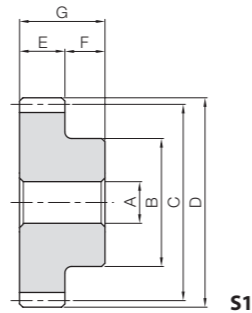
Bore H7	* The product shapes of J Series items are identified by background color.																
	25	28	30	32	35	40	45	50	55	60	65	70	75	80	85		
Keyway JS9	8x3.3		10x3.3			12x3.3		14x3.8		16x4.3		18x4.4		20x4.9		22x5.4	
Screw size	M6			M8			M10			M12			M16				
Catalog Number	To order J Series Hardened Plus products, please specify: Catalog No. + H + J + BORE. Example: SS6-14HJ28																
SS6-12 J BORE	*																
SS6-14 J BORE	*																
SS6-15 J BORE	*																
SS6-16 J BORE	*																
SS6-17 J BORE	*																
SS6-18 J BORE	*																
SS6-19 J BORE	*																
SS6-20 J BORE	*																
SS6-21 J BORE		*															
SS6-22 J BORE		*															
SS6-23 J BORE		*															
SS6-24 J BORE		*															
SS6-25 J BORE		*															
SS6-26 J BORE		*															
SS6-27 J BORE		*															
SS6-28 J BORE		*															
SS6-30 J BORE			*														
SS6-32 J BORE			*														
SS6-34 J BORE			*														
SS6-35 J BORE			*														
SS6-36 J BORE			*														
SS6-38 J BORE			*														
SS6-40 J BORE			*														
SS6-42 J BORE				*													
SS6-44 J BORE					*												
SS6-45 J BORE						*											
SS6-46 J BORE						*											
SS6-48 J BORE						*											
SS6-50 J BORE						*											
SS6-52SJ BORE																	Ask for Quote
SS6-54SJ BORE																	Ask for Quote
SS6-55SJ BORE																	Ask for Quote
SS6-56SJ BORE																	Ask for Quote
SS6-58SJ BORE																	Ask for Quote
SS6-60SJ BORE																	Ask for Quote
SS6-62SJ BORE																	Ask for Quote
SS6-64SJ BORE																	Ask for Quote
SS6-65SJ BORE																	Ask for Quote
SS6-66SJ BORE																	Ask for Quote
SS6-68SJ BORE																	Ask for Quote
SS6-70SJ BORE																	Ask for Quote
SS6-80SJ BORE																	Ask for Quote
SS6-90SJ BORE																	Ask for Quote
SS6-100SJ BORE																	Ask for Quote

[Caution on J series] ① Cancellation is not possible for made-to-order products. See page 42 for lead times and allowable order quantities. See page 44 for other precautions.
 ② "*" is a product with the original bore diameter, so Hardened Plus is not available. See Page 22 for more details on Hardened Plus.

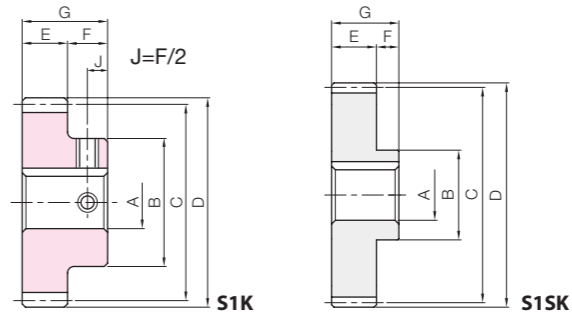


Specifications	
Precision grade	JIS grade N8 (JIS B1702-1: 1998)*
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	—
Tooth hardness	(less than 194HB)
Surface treatment	Black oxide coated (excludes semi-custom products)

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



J Series



H To order Hardened Plus, please specify **Catalog No. + H**. Example: **SS8-12H**

Catalog Number	No. of teeth	Shape	Bore	Hub dia.	Pitch dia.	Outside dia.	Face width	Hub width	Total length	Allowable torque						Weight (kg)					
										Bending strength		Surface durability		Surface durability H							
										N·m	kgf·m	N·m	kgf·m	N·m	kgf·m						
SS8-12	H 12	S1	28	75	96	112	75	35	110	975	99.5	62.6	6.39	280	28.5	4.94					
SS8-13	H 13			80	104	120				1260	128	75.2	7.66	334	34.1	5.85					
SS8-14	H 14			85	112	128				1580	161	88.9	9.06	393	40.1	6.83					
SS8-15	H 15			90	120	136				1770	181	104	10.6	458	46.7	7.87					
SS8-16	H 16			100	128	144				1970	200	121	12.3	527	53.7	9.20					
SS8-17	H 17			105	136	152				2160	220	139	14.1	601	61.3	10.4					
SS8-18	H 18			110	144	160				2360	240	158	16.1	681	69.4	11.7					
SS8-19	H 19			120	152	168				2560	261	178	18.2	765	78.0	13.3					
SS8-20	H 20			130	160	176				2760	281	200	20.4	855	87.2	15.0					
SS8-21	H 21			140	168	184				2960	302	223	22.8	949	96.8	16.7					
SS8-22	H 22	30	30	150	176	192	75	35	110	3170	323	248	25.3	1050	107	18.6					
SS8-23	H 23			155	184	200				3380	344	273	27.9	1150	118	20.2					
SS8-24	H 24			160	192	208				2990	305	250	25.5	991	101	22.0					
SS8-25	H 25			170	200	216				3160	323	273	27.8	1080	110	24.1					
SS8-26	H 26			170	208	224				3340	341	297	30.3	1170	119	25.6					
SS8-27	H 27			170	216	232				3520	359	322	32.8	1270	129	27.2					
SS8-28	H 28			180	224	240				3700	377	348	35.5	1370	139	29.6					
SS8-30	H 30			180	240	256				4060	414	404	41.2	1580	161	33.0					
SS8-32S	S 32			S1	40	200				256	272	75	35	110	4080	416	421	42.9	—	—	37.9
SS8-34S	S 34					210				272	288				4420	451	479	48.9	—	—	42.6
SS8-35S	S 35	210	280			296	4590	468	510	52.0	—				—	44.7					
SS8-36S	S 36	210	288			304	4760	486	542	55.3	—				—	46.8					
SS8-38S	S 38	220	304			320	5100	520	608	62.0	—				—	52.1					
SS8-40S	S 40	220	320			336	5450	555	679	69.3	—				—	56.7					
SS8-42S	S 42	230	336			352	5790	591	754	76.9	—				—	62.5					
SS8-44S	S 44	230	352			368	6140	626	834	85.0	—				—	67.6					
SS8-45S	S 45	230	360			376	6310	644	875	89.2	—				—	70.3					
SS8-46S	S 46	240	368			384	6490	662	917	93.6	—				—	74.0					
SS8-48S	S 48	240	384	400	6840	697	1010	103	—	—	79.5										
SS8-50S	S 50	240	400	416	7190	733	1100	112	—	—	85.3										
SS8-52S	S 52	240	416	432	7540	769	1200	122	—	—	91.4										
SS8-54S	S 54	240	432	448	7890	805	1300	132	—	—	97.6										
SS8-55S	S 55	240	440	456	8070	823	1350	138	—	—	101										
SS8-56S	S 56	240	448	464	8240	841	1400	143	—	—	104										
SS8-58S	S 58	240	464	480	8600	877	1510	154	—	—	111										
SS8-59S	S 59	240	472	488	8770	895	1570	160	—	—	114										
SS8-60S	S 60	240	480	496	8950	913	1630	166	—	—	118										

- [Caution on Product Characteristics] ① Products with S at the end of the catalog number are semi-custom stock products. See page 42 for lead times and allowable order quantities. See page 44 for other precautions.
- ② For S semi-custom standard products weighing 15 kg or more, eyebolt screw threads (2-M12 depth 25 mm) are machined around the outside of the hub side surface. Details of the PCD of the screw threads are located on page 51.
- [Caution on Secondary Operations] ① See Page 22 for more details on Hardened Plus (H Series and HJ Series).

To order J Series products, please specify: **Catalog No. + J + BORE**. Example: **SS8-12J28**

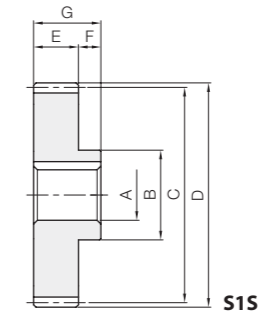
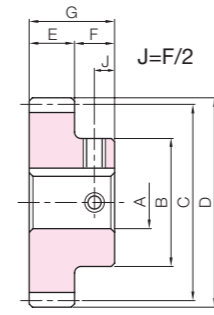
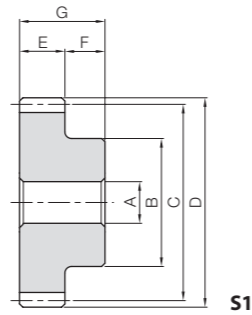
Bore H7	* The product shapes of J Series items are identified by background color.															
	28	30	32	35	40	45	50	55	60	65	70	75	80	85	90	95
Keyway JS9	28	30	32	35	40	45	50	55	60	65	70	75	80	85	90	95
Screw size	8x3.3	10x3.3	12x3.3	14x3.8	16x4.3	18x4.4	20x4.9	22x5.4	25x5.4	28x6.4	32x7.4	36x8.4				
Catalog Number	M6	M8	M10	M12	M16	M20	M24									
SS8-12 J BORE																
SS8-13 J BORE																
SS8-14 J BORE																
SS8-15 J BORE																
SS8-16 J BORE																
SS8-17 J BORE																
SS8-18 J BORE																
SS8-19 J BORE																
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SS8-26 J BORE																
SS8-27 J BORE																
SS8-28 J BORE																
SS8-30 J BORE																
SS8-32SJ BORE																Ask for Quote
SS8-34SJ BORE																Ask for Quote
SS8-35SJ BORE																Ask for Quote
SS8-36SJ BORE																Ask for Quote
SS8-38SJ BORE																Ask for Quote
SS8-40SJ BORE																Ask for Quote
SS8-42SJ BORE																Ask for Quote
SS8-44SJ BORE																Ask for Quote
SS8-45SJ BORE																Ask for Quote
SS8-46SJ BORE																Ask for Quote
SS8-48SJ BORE																Ask for Quote
SS8-50SJ BORE																Ask for Quote
SS8-52SJ BORE																Ask for Quote
SS8-54SJ BORE																Ask for Quote
SS8-55SJ BORE																Ask for Quote
SS8-56SJ BORE																Ask for Quote
SS8-58SJ BORE																Ask for Quote
SS8-59SJ BORE																Ask for Quote
SS8-60SJ BORE																Ask for Quote

- [Caution on J series] ① Cancellation is not possible for made-to-order products. See page 42 for lead times and allowable order quantities. See page 44 for other precautions.
- ② Hardened Plus is not available for products listed in the J Series lineup.



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 coated (excludes semi-custom products)

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



H To order Hardened Plus, please specify **Catalog No. + H**. Example: **SS10-15H**

Catalog Number	No. of teeth	Shape	Bore	Hub dia.	Pitch dia.	Outside dia.	Face width	Hub width	Total length	Allowable torque						Weight (kg)
										Bending strength		Surface durability		Surface durability H		
										N·m	kgf·m	N·m	kgf·m	N·m	kgf·m	
SS10-15	H 15	S1	30	115	150	170	90	40	130	3330	203	339	20.7	871	88.8	15.0
SS10-20	H 20		30	165	200	220				4310	323	440	33.0	1280	130	28.2
SS10-25	H 25		40	200	250	270				5930	529	605	54.0	2060	211	43.3

Catalog Number	No. of teeth	Shape	Bore	Hub dia.	Pitch dia.	Outside dia.	Face width	Hub width	Total length	Allowable torque (N·m)				Allowable torque (kgf·m)				Backlash (mm)	Weight (kg)
										Bending strength		Surface durability		Bending strength		Surface durability			
										N·m	kgf·m	N·m	kgf·m	N·m	kgf·m	N·m	kgf·m		
SS10-26S	S 26	S1	50	210	260	280	90	40	130	5790	522	590	53.3	0.34~0.68	46.4				
SS10-27S	S 27			220	270	290				6100	566	622	57.7		50.4				
SS10-28S	S 28			220	280	300				6400	612	653	62.4		53.4				
SS10-29S	S 29			230	290	310				6720	660	685	67.3		57.7				
SS10-30S	S 30			240	300	320				7030	710	717	72.4		62.1				
SS10-32S	S 32			250	320	340				7660	815	781	83.1		70.2				
SS10-34S	S 34			260	340	360				8290	929	845	94.7		78.8				
SS10-35S	S 35			260	350	370				8610	988	878	101		82.6				
SS10-36S	S 36			270	360	380				8930	1050	910	107		87.9				
SS10-38S	S 38			270	380	400				9570	1180	976	120		96.1				
SS10-40S	S 40			280	400	420				10200	1320	1040	134		106				
SS10-42S	S 42			290	420	440				10900	1460	1110	149		117				
SS10-44S	S 44			290	440	460				11500	1620	1170	165		126				
SS10-45S	S 45			290	450	470				11800	1700	1210	173		131				
SS10-46S	S 46			290	460	480				12200	1780	1240	182		136				
SS10-48S	S 48	300	480	500	12800	1950	1310	199	148										
SS10-50S	S 50	300	500	520	13500	2140	1370	218	159										

- [Caution on Product Characteristics] ① Products with S at the end of the catalog number are semi-custom stock products. See page 42 for lead times and allowable order quantities. See page 44 for other precautions.
 ② For S semi-custom standard products weighing 15 kg or more, eyebolt screw threads (2-M12 depth 25 mm) are machined around the outside of the hub side surface. Details of the PCD of the screw threads are located on page 51.
 [Caution on Secondary Operations] ① See Page 22 for more details on Hardened Plus (H Series and HJ Series).

To order J Series products, please specify: **Catalog No. + J + BORE**. Example: **SS10-15J30**

Bore H7	* The product shapes of J Series items are identified by background color.																			
	30	32	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110		
Keyway J _{S9}	8×3.3	10×3.3	12×3.3	14×3.8	16×4.3	18×4.4	20×4.9	22×5.4	25×5.4	28×6.4										
Screw size	8×3.3		10×3.3		12×3.3		14×3.8		16×4.3		18×4.4		20×4.9		22×5.4		25×5.4		28×6.4	
Catalog Number	M6			M8			M10			M12			M16			M20				
SS10-15 J BORE																				
SS10-20 J BORE																				
SS10-25 J BORE																				

Bore H7	* The product shapes of J Series items are identified by background color.																					
	50	55	60	65	70	75	80	85	90	95	100	105	110	120	130	140	150	160	170	180	190	200
Keyway J _{S9}	14×3.8	16×4.3	18×4.4	20×4.9	22×5.4	25×5.4	28×6.4	32×7.4	36×8.4	40×9.4	45×10.4											
Catalog Number	14×3.8	16×4.3	18×4.4	20×4.9	22×5.4	25×5.4	28×6.4	32×7.4	36×8.4	40×9.4	45×10.4											
SS10-26SJ BORE	Ask for Quote																					
SS10-27SJ BORE	Ask for Quote																					
SS10-28SJ BORE	Ask for Quote																					
SS10-29SJ BORE	Ask for Quote																					
SS10-30SJ BORE	Ask for Quote																					
SS10-32SJ BORE	Ask for Quote																					
SS10-34SJ BORE	Ask for Quote																					
SS10-35SJ BORE	Ask for Quote																					
SS10-36SJ BORE	Ask for Quote																					
SS10-38SJ BORE	Ask for Quote																					
SS10-40SJ BORE	Ask for Quote																					
SS10-42SJ BORE	Ask for Quote																					
SS10-44SJ BORE	Ask for Quote																					
SS10-45SJ BORE	Ask for Quote																					
SS10-46SJ BORE	Ask for Quote																					
SS10-48SJ BORE	Ask for Quote																					
SS10-50SJ BORE	Ask for Quote																					

- [Caution on J series] ① Cancellation is not possible for made-to-order products. See page 42 for lead times and allowable order quantities. See page 44 for other precautions.
 ② Hardened Plus is not available for products listed in the J Series lineup.