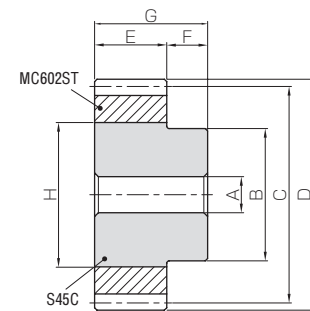




Specifications	
Precision grade	JIS grade N9 (JIS B1702-1:1998)*
Gear teeth	Standard full depth
Pressure angle	20°
Material	MC602ST with S45C core
Heat Treatment	—
Tooth hardness	(115 to 120HRR)

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



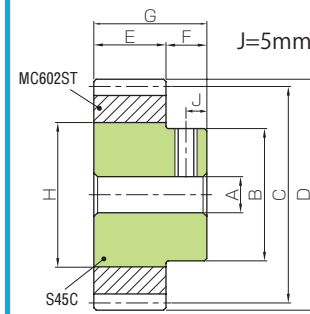
S1

Catalog Number	No. of teeth	Shape	Bore A _{H7}	Hub dia. B	Pitch dia. C	Outside dia. D	Face width E	Hub width F	Total Length G	Core O.D. H	Allowable torque (N·m) Bending strength	Allowable torque (kgf·m) Bending strength	Backlash (mm)	Weight (kg)
NSU1-30	30	S1	8	20	30	32	10	10	20	20	1.23	0.13	0~0.34	0.046
NSU1-32	32			22	32	34				22	1.34	0.14		0.057
NSU1-34	34			25	34	36				25	1.44	0.15		0.074
NSU1-35	35			25	35	37				25	1.50	0.15		0.075
NSU1-36	36			25	36	38				25	1.56	0.16		0.076
NSU1-40	40		10	25	40	42				28	1.78	0.18	0~0.36	0.082
NSU1-45	45			30	45	47				34	2.06	0.21		0.12
NSU1-48	48			30	48	50				34	2.23	0.23		0.13
NSU1-50	50			30	50	52				34	2.35	0.24		0.13
NSU1-60	60			40	60	62				45	2.93	0.30		0.23
NSU1-70	70	S1	40	70	72	72		12	27	45	3.46	0.35	0~0.40	0.24
NSU1-80	80			80	82	82				45	4.00	0.41		0.25
NSU1-90	90			90	92	92				55	4.56	0.46		0.32
NSU1-100	100			100	102	102				65	5.12	0.52		0.40
NSU1.5-28	28		10	30	42	45				30	3.82	0.39	0~0.38	0.15
NSU1.5-30	30			30	45	48				30	4.15	0.42		0.15
NSU1.5-32	32			33	48	51				33	4.51	0.46		0.18
NSU1.5-34	34			33	51	54				33	4.88	0.50		0.19
NSU1.5-35	35			33	52.5	55.5				36	5.07	0.52		0.20
NSU1.5-36	36	S1	40	54	57	57				36	5.26	0.54	0~0.40	0.21
NSU1.5-40	40			60	63	63				45	6.00	0.61		0.31
NSU1.5-45	45			67.5	70.5	70.5				45	6.94	0.71		0.33
NSU1.5-48	48			72	75	75				45	7.53	0.77		0.33
NSU1.5-50	50			75	78	78				45	7.92	0.81		0.33
NSU1.5-56	56		12	84	87	87				55	9.09	0.93	0~0.42	0.50
NSU1.5-60	60			90	93	93				55	9.89	1.01		0.51
NSU1.5-68	68			102	105	105				67	11.3	1.15		0.66
NSU1.5-70	70			105	108	108				70	11.7	1.19		0.70
NSU1.5-80	80			120	123	123				85	13.5	1.38		1.01
NSU1.5-90	90	S1	60	135	138	138				100	15.4	1.57	0~0.42	1.29
NSU2-20	20		10	22	40	44	20	14	34	22	5.89	0.60	0~0.42	0.10
NSU2-22	22			44	48	48				30	6.66	0.68		0.19
NSU2-24	24			30	48	52				30	7.43	0.76		0.19
NSU2-25	25			50	54	54				30	7.85	0.80		0.20
NSU2-28	28			35	56	60				35	9.05	0.92		0.27
NSU2-30	30		12	60	64	64				35	9.84	1.00	0~0.44	0.28
NSU2-32	32			64	68	68				40	10.7	1.09		0.35
NSU2-34	34			68	72	72				45	11.6	1.18		0.41
NSU2-35	35			70	74	74				45	12.0	1.22		0.41
NSU2-36	36			72	76	76				45	12.5	1.27		0.42
NSU2-40	40	S1	15	80	84	84				60	14.2	1.45	0~0.46	0.71
NSU2-44	44			55	88	92				60	16.0	1.63		0.74
NSU2-45	45			90	94	94				60	16.5	1.68		0.74
NSU2-48	48			96	100	100				65	17.8	1.82		0.88
NSU2-50	50			100	104	104				65	18.8	1.92		0.90
NSU2-56	56		60	112	116	116				65	21.5	2.20	0~0.46	0.95
NSU2-60	60			120	124	124				85	23.5	2.39		1.29
NSU2-68	68			136	140	140				100	26.8	2.74		1.66
NSU2-70	70			140	144	144				105	27.7	2.82		1.79
NSU2-80	80			160	164	164				125	32.0	3.27		2.38

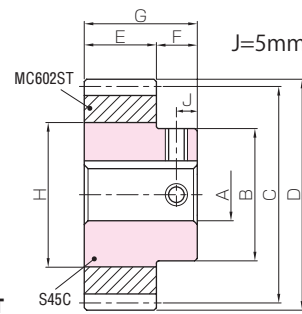
* Please see the next page for Cautions on Product Characteristics, Cautions on Performing Secondary Operations and Caution on J Series.

J Series

Plastic Spur Gears with Steel Core



S1T



S1K

Spur
GearsHelical
GearsInternal
Gears

Racks

CP Racks
& PinionsMiter
GearsBevel
GearsScrew
GearsWorm
Gear PairsBevel
GearboxesOther
Products

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		8	10	12	14	15	16	17	18	19	20	22	25	28	30	32	35		
Screw size		—	4×1.8		5×2.3				6×2.8				8×3.3			10 X 3.3			
Catalog Number		M5	M4						M5				M6			M8			
NSU1-30 J BORE	S1T																		
NSU1-32 J BORE	S1T	S1K																	
NSU1-34 J BORE	S1T	S1K	S1K																
NSU1-35 J BORE	S1T	S1K	S1K																
NSU1-36 J BORE	S1T	S1K	S1K																
NSU1-40 J BORE		S1K	S1K																
NSU1-45 J BORE		S1K	S1K	S1K	S1K	S1K	S1K												
NSU1-48 J BORE		S1K	S1K	S1K	S1K	S1K	S1K												
NSU1-50 J BORE		S1K	S1K	S1K	S1K	S1K	S1K												
NSU1-60 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K								
NSU1-70 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K								
NSU1-80 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K							
NSU1-90 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K							
NSU1-100 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K							
NSU1.5-28 J BORE		S1K	S1K	S1K	S1K	S1K	S1K												
NSU1.5-30 J BORE		S1K	S1K	S1K	S1K	S1K	S1K												
NSU1.5-32 J BORE		S1K	S1K	S1K	S1K	S1K	S1K												
NSU1.5-34 J BORE		S1K	S1K	S1K	S1K	S1K	S1K												
NSU1.5-35 J BORE		S1K	S1K	S1K	S1K	S1K	S1K												
NSU1.5-36 J BORE		S1K	S1K	S1K	S1K	S1K	S1K												
NSU1.5-40 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K								
NSU1.5-45 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K								
NSU1.5-48 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K								
NSU1.5-50 J BORE			S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K								
NSU1.5-56 J BORE			S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K					
NSU1.5-60 J BORE			S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K					
NSU1.5-68 J BORE			S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K					
NSU1.5-70 J BORE			S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K					
NSU1.5-80 J BORE			S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K		
NSU1.5-90 J BORE			S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K		
NSU2-20 J BORE		S1K																	
NSU2-22 J BORE		S1K	S1K	S1K	S1K	S1K	S1K												
NSU2-24 J BORE		S1K	S1K	S1K	S1K	S1K	S1K												
NSU2-25 J BORE		S1K	S1K	S1K	S1K	S1K	S1K												
NSU2-28 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K										
NSU2-30 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K										
NSU2-32 J BORE			S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K								
NSU2-34 J BORE			S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K								
NSU2-35 J BORE			S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K								
NSU2-36 J BORE			S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K								
NSU2-40 J BORE					S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K				
NSU2-44 J BORE					S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K				
NSU2-45 J BORE					S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K				
NSU2-48 J BORE					S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K		
NSU2-50 J BORE					S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K		
NSU2-56 J BORE					S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K		
NSU2-60 J BORE					S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K		
NSU2-68 J BORE					S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K		
NSU2-70 J BORE					S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K		
NSU2-80 J BORE					S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K		