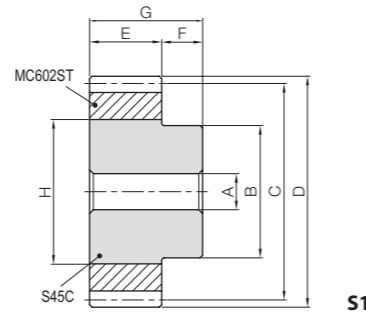


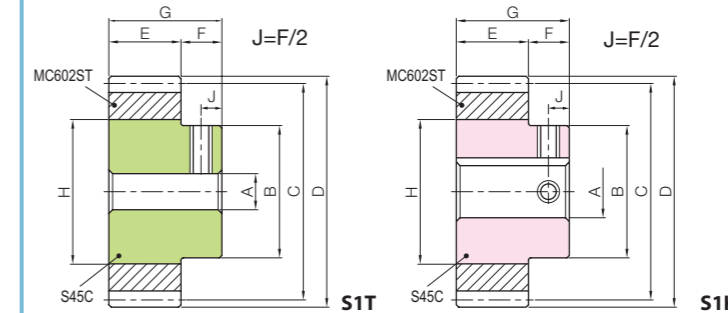
Specifications	
Precision grade	JIS grade N9 (JIS B1702-1: 1998)*
Gear teeth	Standard full depth
Pressure angle	20°
Material	MC602ST with S45C core
Heat Treatment	—
Tooth hardness	(115 to 120HRR)

* The precision grade is equivalent to the value shown in the table.



S1

J Series



S1T

S1K



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

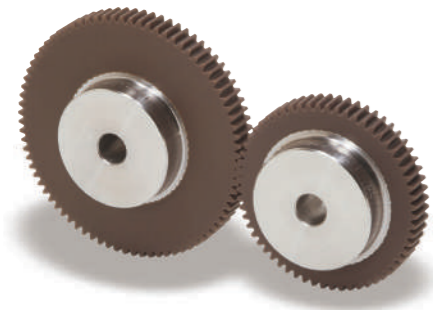
Catalog Number	No. of teeth	Shape	Bore		Pitch dia.	Outside dia.	Face width	Hub width	Total length	Core O.D.	Allowable torque (N·m)		Backlash (mm)	Weight (kg)								
			A _{H7}	B							Bending strength	Bending strength										
NSU1-30	30	S1	8	20	30	32	10	10	20	20	1.23	0.13	0~0.34	0.046								
NSU1-35	35			25	35	37					1.50	0.15										
NSU1-36	36			25	36	38					1.56	0.16										
NSU1-40	40			25	40	42					1.78	0.18										
NSU1-45	45			30	45	47					2.06	0.21										
NSU1-48	48		10	40	30	48	50	15	12	27	34	2.23	0.23	0~0.36	0.13							
NSU1-50	50				50	52	2.35					0.24										
NSU1-60	60				60	62	2.93					0.30										
NSU1-70	70				70	72	3.46					0.35										
NSU1-80	80				80	82	4.00					0.41										
NSU1-90	90	12	60	90	92	55	85	123	100	55	4.56	0.46	0~0.42	0.32								
NSU1-100	100			100	102	65					5.12	0.52										
NSU1.5-30	30			S1	10	30					45	48			15	12	27	30	4.15	0.42	0~0.38	0.15
NSU1.5-32	32					48					51	4.51							0.46			
NSU1.5-35	35					33					52.5	55.5							5.07	0.52		
NSU1.5-36	36	54	57			5.26	0.54															
NSU1.5-40	40	60	63			6.00	0.61															
NSU1.5-45	45	12	40		67.5	70.5	45	85	123	100	45	6.94	0.71	0~0.40	0.33							
NSU1.5-50	50				75	78	7.92					0.81										
NSU1.5-60	60				90	93	9.89					1.01										
NSU1.5-80	80				120	123	13.5					1.38										
NSU1.5-90	90				135	138	15.4					1.57										
NSU2-20	20	S1	10	22	40	44	20	14	34	22	5.89	0.60	0~0.42	0.10								
NSU2-25	25			30	50	54					7.85	0.80										
NSU2-28	28			35	56	60					9.05	0.92										
NSU2-30	30			60	64	9.84					1.00											
NSU2-32	32			64	68	10.7					1.09											
NSU2-35	35		12	40	70	74	45	60	94	65	45	12.0	1.22	0~0.44	0.41							
NSU2-36	36				72	76	12.5					1.27										
NSU2-40	40				80	84	14.2					1.45										
NSU2-45	45				90	94	16.5					1.68										
NSU2-48	48				96	100	17.8					1.82										
NSU2-50	50	15	60	100	104	65	85	124	125	65	18.8	1.92	0~0.46	0.90								
NSU2-56	56			112	116	21.5					2.20											
NSU2-60	60			120	124	23.5					2.39											
NSU2-80	80			160	164	32.0					3.27											

[Caution on Product Characteristics] ① When the core O.D is the same as the hub diameter, you may see some serration on the hub. There is no effect on the strength of the gear.

[Caution on Secondary Operations] ① Because it affects the welded portion, there is no additional modification other than to the boss part.

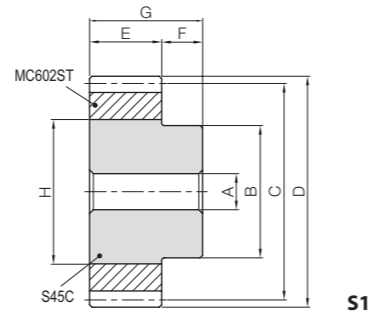
Bore H7	* The product shapes of J Series items are identified by background color.																	
	8	10	12	14	15	16	17	18	19	20	22	25	28	30	32	35		
Keyway J _{S9}	—			4x1.8			5x2.3			6x2.8			8x3.3			10 X 3.3		
Screw size	—			M4			M5			M6			M8					
Catalog Number	M5	M4			M5			M6			M8							
NSU1-30 J BORE																		
NSU1-35 J BORE																		
NSU1-36 J BORE																		
NSU1-40 J BORE																		
NSU1-45 J BORE																		
NSU1-48 J BORE																		
NSU1-50 J BORE																		
NSU1-60 J BORE																		
NSU1-70 J BORE																		
NSU1-80 J BORE																		
NSU1-90 J BORE																		
NSU1-100 J BORE																		
NSU1.5-30 J BORE																		
NSU1.5-32 J BORE																		
NSU1.5-35 J BORE																		
NSU1.5-36 J BORE																		
NSU1.5-40 J BORE																		
NSU1.5-45 J BORE																		
NSU1.5-50 J BORE																		
NSU1.5-60 J BORE																		
NSU1.5-80 J BORE																		
NSU1.5-90 J BORE																		
NSU2-20 J BORE																		
NSU2-25 J BORE																		
NSU2-28 J BORE																		
NSU2-30 J BORE																		
NSU2-32 J BORE																		
NSU2-35 J BORE																		
NSU2-36 J BORE																		
NSU2-40 J BORE																		
NSU2-45 J BORE																		
NSU2-48 J BORE																		
NSU2-50 J BORE																		
NSU2-56 J BORE																		
NSU2-60 J BORE																		
NSU2-80 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.



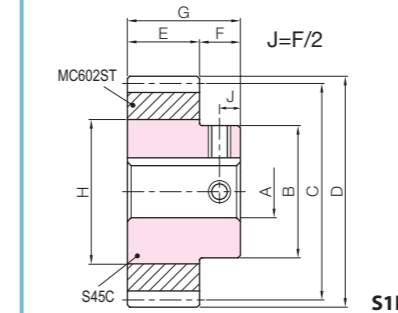
Specifications	
Precision grade	JIS grade N9 (JIS B1702-1: 1998)*
Gear teeth	Standard full depth
Pressure angle	20°
Material	MC602ST with S45C core
Heat Treatment	—
Tooth hardness	(115 to 120HRR)

* The precision grade is equivalent to the value shown in the table.



S1

J Series



S1K



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

Catalog Number	No. of teeth	Shape	Bore		Pitch dia.	Outside dia.	Face width	Hub width	Total length	Core O.D.	Allowable torque (N·m)		Backlash (mm)	Weight (kg)
			A _{H7}	B							Bending strength	Bending strength		
NSU2.5-18	18	S1	12	25	45	50	25	15	40	25	9.93	1.01	0~0.44	0.15
NSU2.5-20	20			28	50	55					11.5	1.17		
NSU2.5-24	24			35	60	65					14.5	1.48		
NSU2.5-25	25			35	62.5	67.5					15.3	1.56		
NSU2.5-28	28			40	70	75					17.7	1.80		
NSU2.5-30	30		15	25	45	75	80	50	19.2	1.96	0~0.46	0.61		
NSU2.5-32	32				45	80	85	20.9	2.13					
NSU2.5-36	36				55	90	95	24.3	2.48					
NSU2.5-40	40				65	100	105	27.8	2.83					
NSU2.5-50	50				65	125	130	36.7	3.74					
NSU2.5-60	60	20	25	70	150	155	115	45.8	4.67	0~0.48	2.62			
NSU2.5-70	70			70	175	180	54.1	5.51						
NSU3-20	20	S1	12	33	60	66	30	17	47	33	19.9	2.03	0~0.54	0.35
NSU3-22	22			38	66	72					22.5	2.29		
NSU3-25	25			45	75	81					26.5	2.70		
NSU3-28	28			50	84	90					30.5	3.11		
NSU3-30	30			55	90	96					33.2	3.39		
NSU3-32	32		15	30	60	96	102	65	36.1	3.68	0~0.56	1.24		
NSU3-34	34				60	102	108	39.0	3.98					
NSU3-35	35				60	105	111	40.5	4.13					
NSU3-36	36				60	108	114	42.1	4.29					
NSU3-40	40				70	120	126	48.0	4.90					
NSU3-44	44	20	30	132	138	141	95	54.0	5.51	0~0.56	2.31			
NSU3-45	45						105	55.5	5.66					
NSU3-48	48						105	60.2	6.14					
NSU3-50	50						105	63.4	6.46					
NSU3-56	56						130	72.7	7.42					
NSU3-60	60	70	180	186	175	145	79.1	8.07	0~0.56	4.62				
NSU3-70	70					175	93.4	9.53						

[Caution on Product Characteristics] ① When the core O.D is the same as the hub diameter, you may see some serration on the hub. There is no effect on the strength of the gear.

[Caution on Secondary Operations] ① Because it affects the welded portion, there is no additional modification other than to the boss part.

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	4x1.8			5x2.3			6x2.8			8x3.3			10x3.3			12x3.3		
Screw size	M4			M5			M6			M8								
Catalog Number																		
NSU2.5-18 J BORE																		
NSU2.5-20 J BORE																		
NSU2.5-24 J BORE																		
NSU2.5-25 J BORE																		
NSU2.5-28 J BORE																		
NSU2.5-30 J BORE																		
NSU2.5-32 J BORE																		
NSU2.5-36 J BORE																		
NSU2.5-40 J BORE																		
NSU2.5-50 J BORE																		
NSU2.5-60 J BORE																		
NSU2.5-70 J BORE																		
NSU3-20 J BORE																		
NSU3-22 J BORE																		
NSU3-25 J BORE																		
NSU3-28 J BORE																		
NSU3-30 J BORE																		
NSU3-32 J BORE																		
NSU3-34 J BORE																		
NSU3-35 J BORE																		
NSU3-36 J BORE																		
NSU3-40 J BORE																		
NSU3-44 J BORE																		
NSU3-45 J BORE																		
NSU3-48 J BORE																		
NSU3-50 J BORE																		
NSU3-56 J BORE																		
NSU3-60 J BORE																		
NSU3-70 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.