Series of Martensitic and Ferritic Stainless Steel

	Increase in carbon content	SUS 4	420J 1	Increase in carbon content	SUS 420J 2	Increase in carbon content	WNR 4034
	(Increased hardenability and wear resistance)	C = 0.16~0.25			C = 0.26~0.40		C = 0.40~0.50
SUS4	110			Reduction in carbon content			
6<0	Reduction in silicon content	SUS	5 403	and manganese content	NSS 410M4		
C≦0.15		Si≦0.50		(Hardening stability at low hardness)	C: 0.07 Mn: 0.7		
Base type of 13Cr steel						1	
L	Reduction in carbon content (Increased corrosion resistance and formability)		4105	Extremely low carbon content	NSS 410M1		
			0.08	(Softening, increased weldability)	C≦0.03		
		Addition of aluminu (Non-hardening, increased weldabilit		m	SUS 405	Low carbon content, addition of silicon and aluminum	NCA 2
				у)	A8:0.2	(Increased high-temperature oxidation resistance)	C≦0.05, Si :1.5, Aℓ :1.0
		Add	lition of titanium		AISI 409	Extremely low carbon content	NSS 409M1
		(Workability, corrosion resistance)		Increased weldability	Ti≧6×C	(Increased weldability and workability)	C≦0.03, Ti≥5(C+N)
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Low carbon content, addition of titanium		NSS 430M2		Low carbon content, addition of niobium	NSS 430M4		
(Increased formability)		C: 0.03, Ti: 7×(C+N)		(Increased formability and weldability)	C:0.03, Nb:0.20~0.65		
SUS430 C≦0.12 Base type of 18Cr steel		NSS 430M3					
		C:0.01, Mo:0.4, Ti:0.55					
		C. U.U I, IVIC					
	Extremely low carbon content, addition of molybdenum and titanium		Saving of molybdenun	Low carbon content, addition of nitrogen and copper	NSS 442M2	Extremely low carbon content, addition of copper and niobium	NSS 442M3
	(Increased pitting corrosion resistance and intergranular corrosion resistance)			Extremely low carbon content, increase in nitrogen and molybdenum	18Cr, Ni:0.3, Cu:0.5	(Increased weatherability and intergranular corrosion resistance)	19Cr, Cu:0.5, Nb: 0.5
	Addition of molybdenum	SUS 434		content,addition of niobium	NSS 444N	Extremely low carbon content, addition of nitrogen, molybdenum, and niobium)	NSS 445M2
	(Increased corrosion resistance)	Mo:1.0 NCA 1 C≦0.03, 18Cr, Aℓ:3.0		(Increased corrosion resistance, weldability,and intergranular corrosion resistance)	C,N≦0.02, Mo:2.0, Nb: 0.4	(Increased corrosion resistance, weldability, and intergranular	(22Cr)-1.2Mo-Nb,Ti
	Extremely low carbon content, addition of aluminum					corrosion resistance)	
	(Increased high-temperature oxidation resistance)				Note		1
	Addition of nickel, reduction in carbon content		131DP1		Values adjacent to symbols ≦,≧,and = are chemical composition standard percentage. Value adjacent to colon is chemical composition representative percentage.		
(Introduction of hardenability,increased strength)		C<0.08, 17Cr, Ni≦2.5			value adjacent to colon is	chemical composition represent	aure percentage.
		(Dual ph	ase type)				