

FERRITIC STAINLESS STEELS (1)

Chemical Analysis % (Max. unless noted otherwise)

Type	C	Mn	P	S	Si	Cr	Ni	Mo	Other
405	0.08	1.00	0.040	0.030	1.00	11.50/14.50			0.10/0.30 Al
409	0.08	1.00	0.045	0.045	1.00	10.50/11.75			6xC/0.75 Ti
429	0.12	1.00	0.040	0.030	1.00	14.00/16.00			
430	0.12	1.00	0.040	0.030	1.00	16.00/18.00			
430F	0.12	1.25	0.060	0.150	1.00	16.00/18.00		0.60*	
430F Se	0.12	1.25	0.060	0.060	1.00	16.00/18.00			0.15 Se (min.)
434	0.12	1.00	0.040	0.030	1.00	16.00/18.00		0.75/1.25	
436	0.12	1.00	0.040	0.030	1.00	16.00/18.00		0.75/1.25	5xC/0.70 Cb+Ta
442	0.20	1.00	0.040	0.030	1.00	18.00/23.00			
446	0.20	1.50	0.040	0.030	1.00	23.00/27.00			0.25N

*May be added at manufacturer's option

Type	Tensile Strength		Yield Strength (0.2% offset)		Elongation in 2" (50.80 mm)	Hardness (Rockwell)	Product Form
	ksi	MPa	ksi	MPa			
405	65	448	40	276	25	B75	(Plate)
409	65	448	35	241	25	B75	
429	70	483	40	276	30	B80	
430	75	517	50	345	25	B85	
430F	95	655	85	586	10	B92	(Wire)
430F Se	95	655	85	586	10	B92	
434	77	531	53	365	23	B83	(Bar)
436	77	531	53	365	23	B83	
442	80	552	45	310	20	B90	
446	80	552	50	345	20	B83	