Classification		Trade name	Alloy Element mass % (Balance Fe)																									CTE ppm/ºC	TEC ppm/ºC	Tensile strength Mpa
			C		Si		Mn		Ni		Co		Cr		W		Mo	Cu	V	Al		Ti		Be						
			Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max				Min	Max	Min	Max							
Fe-Ni base	Fe-Ni-Cr	Elinvar	0.8		1	2	1	2	36		---		12		1	3	---	---	---	---		---		---				8	±3.7	735
	Fe-Ni-Cr-Co	Super Elinvar	---		---		0.7		36	39	5	10	5	10	---		---	---	---	---		---		---						
	Fe-Ni-Cr-Mo	Iso-elastic	---		---		---		36		---		7	8	---		0.5	---	---	---		---		---				22	-11 ~ +8	1177
			0.1		0.5		0.6		36		---		7.2		---		0.5	---	---	---		---		---				72	-36 ~ +27	
	Fe-Ni-Cr-W	Mo-elinvar	0.6		---		2		40		---		6		3		1.5	---	---	---		---		---						1432
	Fe-Ni-Cr-Ti	Elinvar Extra	---		---		---		43		---		5		---		---	---	---	---		2.8		---						
			0.6		0.5		0.5		42		---		5.5		---		---	---	---	0.6		2.5		---				75	0	
			0.04		0.5		0.6		43		0.35		5		---		---	---	---	0.3		2.75		---						
			1		---		1		35		---		5		2		---	---	---	---		---		---				80		
		sunni span-3	---		---		---		42		---		5.5		---		---	---	---	---		2	3	---					±10	
	Fe-Ni-Cr-Ti-Al	Ni-Span C	---		---		---		41	43	---		4.9	5.5	---		---	---	---	---	0.1	2.1	2.5	---				25	±6	612~1373
			---	0.06	---	0.1	---	0.8	42		---		5.2		---		---	---	---	---		2.3		---						
			0.02		0.33		0.52		42.27		---		5.32		---		---	0.05	---	0.46		2.46		---				81	±18	
		YniC	0.03		---		---		41	43	---		5.1	5.5	---		---	---	---	0.5	0.6	2.2	3	---						
	Fe-Ni-Mo	Vibralloy	---	0.02	---		0.1	0.65	38	43	---	0.5	---		---		15.7	---	---	---		---		---						
			0.3		---		2.2		31.8		1.2		---		---		---	---	---	---		---		---						
			---		---		---		40		---		---		---		10	---	---	---		---		---						
			---		---		---		39		---		---		---		9	---	---	---		---		---					8	
	Fe-Ni-Al-Ti	Durinvar	0.1		---		2		40	42	---		---		---		6	---	---	1.9	2	2.1		---						
	Fe-Ni-Be-W	Nivarox	---		0.1		0.8		36		---		---		8		---	---	---	---		---		1						
	Fe-Ni-Be-Mo		---		0.1		0.8		36		---		---		---		7	---	---	---		---		1						
			---		---		---		30		---		---		---		9	---	---	---		---		1						
			---		---		---		40		---		---		---		9	---	---	---		---		1						
	Fe-Ni-Be-Cr-Ti		---		---		---		36		---		8		---		---	---	---	---		1		1				75	±25	
			0.2		1		1		38		---		8		---		---	---	---	---		1		1						
	Fe-Ni-Be-Ti		---		---		---		36		---		---		---		---	---	---	---		1		1						
Fe-Co base	Fe-Co-Cr	Co-elinvar	---		---		---		---		60		15		---		---	---	---	---		---		---				140	-9	
			---		---		---		16.7		34.6		10.8		---		---	---	---	---		---		---				77	8	
			---		---		---		15	20	25	30	8	12	---		---	---	---	---		---		---					±20	
			---		---		---		---		60		10		---		---	---	---	---		---		---				51	-2	
			---		---		---		9.1		43.6		12.7		---		---	---	---	---		---		---				74	0	
			---		---		---		23.1		27.7		10		---		---	---	---	---		---		---				81	-3	
	Fe-Co-V	Velinvar	---		---		---		---		60		---		---		---	---	10	---		---		---				74	-7	
			---		---		---		20		37.6		---		21.5		---	---	10	---		---		---				78	-5	
			---		---		---		30		20		---		---		---	---	10	---		---		---				116	-7	
	Fe-Co-W	Tung-Invar	---		---		---		---		50		---		19		---	---	---	---		---		---				74	-7	
			---		---		---		---		50		---		21.5		---	---	---	---		---		---				74	-7	
			---		---		---		10		39		---		19		---	---	---	---		---		---				78	-13	
	Fe-Co-Mo	Moelinvar	---		---		---		---		50		---		---		17.5	---	---	---		---		---				96	-2	
			---		---		---		30		10		---		---		15	---	---	---		---		---				98	-1	
	Fe-Co-Ni-Mo-Cr	Elcolloy	---		---		---		15	18	35	40	5		4	5	5	---	---	---		---		---						
			---		---		---		16		36		5		4		4	---	---	---		---		---				90	5	
			---		---		---		15		35		5		---		5	---	---	---		---		---				50	-2	