

Name Comparison of Precision Alloys

Type	Alloys							Main composition
	China	France Imphy	Germany VAC	England Telcan	American		Japan Sumitomo	
					Magnetics	Carpenter		
Soft magnetic alloys	1J46	Anhyster DS	Permenorm 5000 H2	Radiometal R4550	Alloy 48SL	High Permability 45	PB-1	46Ni-Fe
	1J50	Superanhyster 50 Rectimphy	Permenorm 5050 H2 Permenorm 5000 Z	Radiometal SR HCR SR	Alloy 48Rotor Square Orthonol	High Permability 49 HyRa 49	PB-2	50Ni-Fe
	1J51	Rectimphy	Permenorm 5000z	H.C.R (英)	Miver (USA)		Sendelta (Japan)	
	1J77	Mumetal	Mumetal	Mumetal M2, M2+	Mumetal	HyMu 80	PC-2	77Ni-4Mo-5Cu-Fe
	1J79	Permimphy 1 Permimphy 2 Permimphy 5 Permimphy 6 Permimphy C	Vacoperm Ultraperm 10 Ultraperm 200 Ultraperm 300 Ultraperm F80 Ultraperm 200TK Ultraperm Z	Supermumetal SM2 Supermumetal SM150, 250 Supermumetal SM300	Round Permalloy 80 Supermalloy Square Permalloy 80	HyMu 77 HyMu 80 HyRa 80	PC-22 PC-81	79Ni-4Mo-Fe
	1J85				Super-permalloy	Wacumate	PC-80 PC-3	80Ni-5Mo-Fe
	1J38				Thermo Perm (USA)			FeNi38Cr13
Glass sealing alloys	4J6A	ASV (426) (France)	Vacovit 426	Nilo 45 (England)	42Ni-6Cr (USA)		NRS-1 (Japan)	FeNi42Cr6
	4J29	DilverP1	Vacon 12	Nilok (England)	Kovar (USA)		KV-1(Japan)	FeNi29Co17
	4J42	Dumet42	Vacodil 42	Nilo 42 (England)	Glass sealing 42 ((USA)		D (Japan)	FeNi42
	4J49A	FeNi46Cr5	Vacovit 465		Carpenter 456 (USA)			FeNi47Cr6
Ceramic sealing alloys	4J33						KV-4 (Japan)	FeNi33Co15
Low expansion alloys	4J32	Surperieur (法)			Super-Inver (USA)		SI (Japan)	FeNi32Co4Cu
	4J36	Invar	Vacodil 36	Invar (England) Nilo 36 (England)	Invar		不变钢 (Japan)	FeNi36
High expansion alloys	4J20S	B6M					Fe-Ni-Mn (Japan)	FeNi20Mn6
	4J24S	NC4						FeNi22Cr3
Non-magnetic stainless steel	0Cr16Ni14							Cr16Ni14

Note: The name followed by “(Country)” in above table means that this alloy name is used in that country but the manufacturer is unknown. by us.