	0.008(0.007)	0.01(0.01)	0.018(0.016)	0.022(0.02)	0.025(0.023)	0.028(0.025)	0.03(0.028)	0.035(0.03)	0.04(0.035)	0.044(0.04)	0.05(0.045)	0.055(0.05)	0.06(0.06)	0.07(0.06)	0.077(0.07)	0.08(0.07)	0.09(0.08)	0.1(0.09)	0.11(0.1)	0.12(0.11)	0.13(0.12)	0.14(0.13)	0.15(0.13)	0.16(0.14)	0.17(0.15)	0.18(0.15)	0.2(0.18)	0.22(0.2)	0.25(0.2)
IHI		4J		7J					18UJ-2	12NX		20Z	25J	201X		25JX	32J	38UJ-2	35JX		40NX	45UJ-3	45NX	45J2		55J2	50Z	55UJ3	70Z
				10Z					017CR	15J		18J		20NX		30NX	30VX		3SNX		40JX	40VX	45NX2	45N		55N	50VZ	65UJ-N	80NX
				8NX						15NX		20Z2		20NX2		26J	30VZ		3SJ		40NX2	45VX		50VX		55N3			65UJ2
				8NX2						12JX		20Z3		20VX		30J	303CR-2		4QZ		40VXL	40V4		55VX		60V4			70Z2
				8VX						15NX2		20VZ				30JX	30V4		3SN					50V4		55N4			80NX2
				10Z2						15VX						30Z			3SNX2										80NX3
				10VZ												2SNX			3SVX2										80VX2
				10VZ2												28N			4QVZ										
																30UJ-2			3SV4										
																2SNX2													
																25VX													
																2SV4													
																2SV4-F													
CAT		MM0S	008CR	MM08B						MM1ST		MM20SR	MM20T		MM2ST	RA30	MM30T	MM30CR-2	MM40SR-3	MM40CR	304E CR	MM40T		MM4ST			050SR	MM57SR	
		00S		010CR						301.5CR		MM20SR-E	MM20CR			MM30SR-3	303CR	030SR	MM3ST		304E 2	304CR		305CR			050SR-C	MMSSSR-2	
													MM20CR-E			MM30SR	303SR	030SR-AC	MM40SR			304CCR		305CRSS				30SSR	
													302CCR				303CCR	040SR	MM40SR-3E			304CCR-AC		305CR-2				30SCSR	
													303CSR				303CCR-AC	040SR-AC	303.5CCR			204CCR-2		305CCR					
													030CR				303CSR		303.5CCR-AC					305CCR-AC					
													020ESR						304CSR					305DCR					
																			303.5DCR					303.5DCR					
																			303.5DCR-AC					305DCR-AC					
																			303.5E CR					305.5DCR-AC					
																			303.5E 2					305E CR					
																								303.5E CR					
																								305E 2					
																								305.5E 2					
神钢		SK005	SK007-5	SK007-3		SK10SR-3			SK013	SK015	SK175R-5		SK20SR	SK30UR-3		SK2SSR	SK30SR		SK3SSR-1A		SK40SR	SK4SSR		SK5OUR-3				SK50UR-2	
		SK005-2	SK007-6	SK09SR					SK15SR-3	SK15SR			SK20UR	SK30UR-3E		SK30UR-2	SK30SR-2		SK3SSR-2		SK40SR-2	SK4SSR-2		SK5OSR-3				SK70SRD-1ES	
		SK005-3		SK008						SK13SR			SK20SR-2	SK30UR-5		SK25SR-2	SK30SR-2E		SK3SSR-2E			SK04S-2		SK5OSR-5					
		SK005-5		SK10SR-2						SK175R-3			SK20SR-3	SK30UR-6		SK27R-3	SK30SR-3		SK3SSR			SK40SR-3		SK5OUR-5					
													SK20SR-3E			SK275R-3E	SK30SR-3E		SK3SSR-3			SK40SR-5		SK5SSR-6					
													SK20SR-5			SK27SR-5	SK30SR-5		SK3SSR-3E			SK4SSR-6							
													SK20UR-2			SK28SR-6	SK30SRST-5		SK3SSR-5										
													SK20SR-5V				SK30SR-6		SK3BUR										
																			SK3SSR-6										
小松	PC01-1	PC02-1		PC03-1	PC10MR-1					PC12R-8	PC07PR-1	PC12UU-2E	PC20PR-2		PC28UU-2E	PC25R-8	PC30UU-3		PC30PR-2			PC40PR-2		PC50PR-2				PC58SF-1	
		PC05-1A		PC08UU-1	PC10UU-3					PC15PR-1			PC20-8			PC27R-8	PC30MR-1		PC3SR-8			PC40R-8		PC45R-8				PC50UU-2	
				PC09-1	PC10MR-2					PC15MR-1			PC20UU-3			PC28UU-3	PC30R-8		PC3BUU-3			PC40MR-1F		PC45MR-1F				PC50UUT-2	
				PC09-1C	PC10UU-5					PC18R-2			PC20PR-1			PC27MR-1	PC30MR-1S		PC3SMR-2			PC40MR-2		PC50MR-2				PC50UU-2E	
										PC18MR-3			PC20MR-2			PC28UU-3	PC30MR-2		PC3SMR-2ND			PC40MR-2ND		PC50MR-2ND				PC50UUT-2E	
													PC20MR-3			PC27MR-2	PC30MR-2ND		PC3SMR-2N1			PC40MR-3		PC5SMR-3				PC58UU-3	
													PC20UU-5			PC27MR-2ND	PC30MR-2N1		PC3SMR-3			PC40MR-3N1		PC5SMR-3N1				PC50Uum-2	
																PC27MR-2N1	PC30MR-3		PC3SMR-3N1									PC58UUT-3	
																PC27MR-3	PC30MR-3N1		PC3SMR-3NO									PC58UU-3EO	
																PC27MR-3N1	PC30MR-3NO		PC3BUU-5									PC58UUT-3EO	
																	PC27MR-3N1		PC3BUU-5N1									PC58UU-5	
																	PC30UU-5											PC58UT-5	
																	PC30UU-5N1												
SUMITOMO		SH4J		SH7J						SH12JX-2		SH20UJ-3	SH25J			SH30UJ-3	SH32J		SH40UJ-2		SH40JX-2	SH45UJ-3	SH45JX-2	SH45J-2		SH55J-2		SH55U-2	SH65U-2
				SH10UJ-3						SH15J		SH18J				SH25JX			SH3SJX		SH40JX							SH55UJ-2B	SH65U-B
																SH303X-2			SH35JX-2									SH120LC-5	SH6S-1C
																SH28J			SH35J										
																SH30J													
																SH303X													
HITACHI		EX5-2		EXB-2B	EX10U-1B		EX1SUR	ZX1SUR	EX1SU	EX15-2	EX18-2	EX20U	EX20U-3	ZX22U-2		EX27U	EX30UR-3		EX3SU			EX40U		EX50U				EX5SUR-3	EX58MU
				EX10U-3	EX10U				EX15U-1B	ZX17U-2		EX20UR-2C	EX20UR-3	ZX20U-5A		ZX27U	EX30U		EX40UR-3			ZX40U		ZX50U				ZX5SUR	ZX60USD-3
				ZX10U-2					EX12-2	ZX14-3			EX22-2			EX2S-2	ZX30U		ZX3SU			EX40-2		EX45-2				EX5SUR	
				ZX8U-2					EX15U-3	ZX17U-5A			ZX20UR			EX30UR-2C	ZX30UR		ZX40UR			ZX40U-2U		ZX50U-2				ZX5SUR-2	
													ZX20U			ZX27U-2	EX30-2		EX40UR-2C			ZX40U-2U		ZX50U-2U				ZX5SUR-2D	
																ZX27U-3	EX33U		EX3S-2			ZX40U-3		ZX50U-3				TB50	
																ZX26U-5A	EX33MU		ZX3SU-2			ZX40U-3U		ZX50U-3U				ZX5SUR-2U	
																	ZX30U-2		ZX40UR-2			ZX40U-5A		ZX50U-5A				ZX5SUR-D2U	
																	ZX30UR-2		ZX40UR-2D									ZX5SUR-3	
																	ZX30U-2U		ZX40UR-2U									ZX5SUR-3D	
																	ZX30UR-2U		ZX40UR-2DU									ZX5SUR-3U	
																	ZX30U-3		ZX3SU-2U									ZX5SUR-3DU	
																	ZX30U-3U		ZX3SU-3										
																	ZX30UR-3		ZX3SU-3U										
																	ZX30UR-3U		ZX40UR-3										
																	ZX30U-5A		ZX40UR-3D										
																			ZX40UR-3U										
																			ZX40UR-3DU										
																			ZX3SU-5A										
FURUKAWA		FX005-3	UX-008	FX-008-3	FX-10-3				UX-1S		FX022URE	UX-20E	UX-20-3			UX-2S	FX033UR	FX030-3S	UX-3S-3S			UX-40-3		UX-50-3				FXSSUR-3	
		FX03S-3S		UX-10-3N					UX-1S-3		FX022UR						FX033URS	FX030-3	UX-3S-3			UX-40-3S		UX-50-3S				FX053UR	
									UX-1S-3S								UX-30-3		FX03S-3			UX-40-3SAC		UX-50-3SAC				FX053URS	
																	UX-30-3S		FX043UR									FZSSUR	
																			FX043UR-3									FX053URSC	
																			FX043URS										
																			FZ40UR										
洋斗		B0S		SV08	B1U-1	Vio10-1				SV13	Vio15-2	B2U	Vio20-1		B3U	B3-3		Vio30-1	Vio35-1	Vio40		Vio40-1		Vio50-1			B6-3	B08	
		SV0S-B		B1U		Vio10-2				B12-2	Vio15		B2U-1			B3-3A		Vio30-2	B4U-1			Vio40-2		Vio50-2			B6-3A	B6U	
				J09		VIO10					Vio15-2A		Vio20-2			Vio27-2		Vio30	Vio3S-2			Vio40-2A		B50-2A			B6-5		
				SV08-1		Vio10-2A					Vio17		B-2-5			B27-2A		Vio30-3	B37-2A			Vio40-3		B50-2B			B6-6A		
				SV08-1A									B22-2A			B27-2B		Vio30-3B	SV0S			VIO40-5		Vio50					
				JV09-A									Vio20			B3-5		Vio30-5	SV0S-A			Vio40-5B		Vio50-2A					
													Vio30-3			Vio27-3		VIO30-5B	VIO3S-3			Vio45-6		Vio50-5					
																VIO27-3B		Vio30-6	Vio3S-3B					Vio50-5B					
																B3-5B			Vio3S-5					Vio55-6					
																Vio27-5			B4-6										
																B3-6			Vio3S-5B										
																VIO27-5B			B4-6A										
																B3-6A			Vio3S-6										
																Vio25-6			Vio3S-6B										
KATO																												HD20SUR	
久保田		K-00S	U-008	K-008	U-10		RX-141	K-013	U-1S		K-022	K-020	U-20-3	K-02S		K-030	U-30-3	K-030-3	K-03S-3	U-4S	K-038	K-040		U-50-3	K-04S		RX-502	RK-S03	
				K-00B-2	U-10-2			RX-15JS	K-01S		RX-202	U-20	U-20-3S	K-02B		U-3S	U-30-3S	K-030-3S	U-3S-3			U-40-3		U-50-3S				RK-503S	
				U-10-3					U-1S-3		RX-202E	U-20E	RX-203S	U-30		U-2S-3S	RK-303	K-03S	U-3S-3S			U-40-3S		U-50-3SAC				RX-503SC	
									U-1S-3S		RX-20S			RX-302			RK-303S		K-00S-3			U-40-3SAC		U-50-5				RK-50S	
																	U-30-5		RK-403			U-40-5		U-50-5AC				RK-50SC	
																	RK-30S		RK-403S			U-40-5AC		U-55-6					
																	U-30-5AC		K-03S-3S			U-40-6		U-55-6AC					
																	RK-306		U-3S-5			U-40-6AC		KK-57-6					
																	U-30-5+		RK-40S					KK-57-6AC					
																	U-30-5+AC		K-03S-5										
																	RK-306AC		U-3S-5AC										
																	U-30-6		RK-406										
																			U-3S-5+										
																			U-3S-5+AC										
																			K-3S-5+										
																			RX-406AC										