

Product Engineering Materials Approved Source List

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SPECIFICATION NO. GSDB CODE	SPECIFICATION TITLE SUPPLIER NAME/REMARKS	TYPE/ GRADE	COLOR CODE	COLOR NAME	LOG NO.	TRADE NAME/CODE	FORD FILE REFERENCE	FORD APPR. DATE	T O X	TOX NO.
A SAE J 1392 040XLF	STEEL, HIGH STRENGTH, HOT ROLLED SHEET AND STRIP, COLD ROLLED SHEET, AND COATED SHEET, DATED: 84-06-01									
A SAE J 1392 045XLF	STEEL, HIGH STRENGTH, HOT ROLLED SHEET AND STRIP, COLD ROLLED SHEET, AND COATED SHEET, DATED: 84-06-01									
A SAE J 1392 045YLF	STEEL, HIGH STRENGTH, HOT ROLLED SHEET AND STRIP, COLD ROLLED SHEET, AND COATED SHEET, DATED: 84-06-01									
A SAE J 1392 050XLF	STEEL, HIGH STRENGTH, HOT ROLLED SHEET AND STRIP, COLD ROLLED SHEET, AND COATED SHEET, DATED: 84-06-01									
A SAE J 1392 050ZHF	STEEL, HIGH STRENGTH, HOT ROLLED SHEET AND STRIP, COLD ROLLED SHEET, AND COATED SHEET, DATED: 84-06-01									
A SAE J 1392 050ZLF	STEEL, HIGH STRENGTH, HOT ROLLED SHEET AND STRIP, COLD ROLLED SHEET, AND COATED SHEET, DATED: 84-06-01									
A SAE J 1392 060XLK	STEEL, HIGH STRENGTH, HOT ROLLED SHEET AND STRIP, COLD ROLLED SHEET, AND COATED SHEET, DATED: 84-06-01									
A SAE J 1392 080XHF	STEEL, HIGH STRENGTH, HOT ROLLED SHEET AND STRIP, COLD ROLLED SHEET, AND COATED SHEET, DATED: 84-06-01									
A SAE J 1392 080XLF	STEEL, HIGH STRENGTH, HOT ROLLED SHEET AND STRIP, COLD ROLLED SHEET, AND COATED SHEET, DATED: 84-06-01									
A SAE J 403 1008/1025	CHEMICAL COMPOSITION OF SAE CARBON STEELS, DATED: 96-10-09									
NONE A SAE J 403 1008/1010	SOURCE APPROVAL PENDING CHEMICAL COMPOSITIONS OF SAE CARBON STEELS, DATED: 96-11-07									
ZZZZZ	ANY RELIABLE SUPPLIER				68573		A1446/AVT	96-11-07	C	IRB026
A SAE J 403 1144 TS965MPA YS862MPA HRC30-34	CHEMICAL COMPOSITIONS OF SAE CARBON STEELS, DATED: 97-04-25									

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A SAE J 403 1144 TS965MPA YS862MPA HRC30-34	CHEMICAL COMPOSITIONS OF SAE CARBON STEELS, DATED: 97-04-25						
ZZZZ	ANY RELIABLE SUPPLIER	69850		SSO/SRENKO	97-04-25	C	IRB026
A SAE J 431 G2500 AUTOMOTIVE GRAY IRON CASTINGS, DATED: 93-03-01							
A SAE J 434 D4512 AUTOMOTIVE DUCTILE (NODULAR) IRON CASTINGS, DATED: 86-06-01							
A SAE J 526 WELDED LOW CARBON STEEL TUBING, DATED: 91-06-01							
A SAE J 527 BRAZED DOUBLE WALL LOW CARBON STEEL TUBING, DATED: 91-06-01							
A ESA-M4D187-A	STEEL, SPRING, SHOCK ABSORBER VALVES, DATED: 80-05-01						
H400A R126A	HITACHI METALS AMERICA REGAL STEEL CO	27724 31884	PK GRADE 8C	CLS-905767 CEO/CLS- 304871/3052 72	79-08-29 84-02-05	C C	IRB026 IRB026
S016A U010A	SANDVIK STEEL INC UDDEHOLM STEEL	20001 20002	SANDVIK 17	EED CEO-CLS 600049-76	63-02-04 76-11-17	C C	IRB026 IRB026
A ESE-M1A23-A	PISTON RING, GRAY IRON (V ALLOY), DATED: 00-05-30						
M942A	MUSKEGON PRODUCTS/DANA CORP	20003	MED 47-A (TWIN); MED 47-P (CUFF)	ENG. ENGRG.	63-06-13	C	IRB026
A ESB-M1A26-A	STEEL WIRE, SPRING, GENERAL PURPOSE FASTENERS, DATED: 78-11-10						
ZZZZ	ANY RELIABLE SUPPLIER	30129				C	IRB026
A WSE-M1A32-B1	GREY CAST IRON - METALLURGICAL STRUCTURE OF CYLINDER BLOCKS AND HEADS, DATED: 00-05-23						
N/A A WSE-M1A32-B2	SOURCES ARE NOT APPLICABLE TO THIS SPECIFICATION. GREY CAST IRON - METALLURGICAL STRUCTURE OF CYLINDER BLOCKS AND HEADS, (SHOWN ON WSE-M1A32-B1) DATED: 00-05-23						
N/A	SOURCES ARE NOT APPLICABLE TO THIS SPECIFICATION.						
A ESA-M1A33-C	STEEL, SHEET & PLATE 32,000 PSI (221 MPA) YIELD STRENGTH, DATED: 79-01-10						
ZZZZ	ANY RELIABLE SUPPLIER	30132				C	IRB026
A ESB-M1A34-A	STEEL, LOW CARBON GALVANIZED, STAPLING WIRE, DATED: 78-04-25						

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A ESB-M1A34-A	STEEL, LOW CARBON GALVANIZED, STAPLING WIRE, DATED: 78-04-25									
A065A	ACME STEEL MALLEABL				24874	SILVERSTITCH	BEPE	62-03-03	C	IRB026
N460A	NATIONAL STANDARD				20006	LC-2	BEPE	62-03-03	C	IRB026
B547A	STANLEY BOSTITCH				20005	G10#2 HYBAR	BEPE	62-03-03	C	IRB026
A ESA-M1A35-C	STEEL, SHEET & PLATE 36,000 PSI (248 MPA) YIELD STRENGTH, DATED: 79-01-10									
ZZZZ	ANY RELIABLE SUPPLIER				30133				C	IRB026
A ESA-M1A43-B	GRAY CAST IRON, PASSENGER CAR BRAKE DRUM, DATED: 92-09-01									
ZZZZ	ANY RELIABLE SUPPLIER				38278		CEO		C	IRB026
A ESA-M1A64-A	STEEL, STAINLESS (TITANIUM STABILIZED) MODIFIED, DATED: 84-03-23									
ZZZZ	ANY RELIABLE SUPPLIER				54251				C	IRB026
A ESB-M1A67-A	STEEL, RUSTLESS, DECORATIVE AND FINISHED PRODUCTS, DATED: 78-11-10									
A153A	ALLEGHENY LUDLUM				20043		PURCH.		C	IRB026
A800A	ATLAS STEEL CO				24883	TYPE 301	BML	66-04-19	C	IRB026
C913A	COLT IND				24884		PURCH.		C	IRB026
C970A	CYCLOPS CORP				20046		PURCH.		C	IRB026
H941D	LTV ELECTRO GALVANIZING INC				32291	TYPE 201	BML	64-10-02	C	IRB026
M204A	MCLOUTH STEEL PRODUCTS CORP				20044		PURCH.		C	IRB026
U505A	US STEEL GROUP				20047		PURCH.		C	IRB026
W341A	WASHINGTON STEEL (ANNEALED OR TEMPERED ONLY)				20048	TYPE 201	BML 569-64M	65-01-07	C	IRB026
A ESB-M1A70-A	STEEL, RUSTLESS, DECORATIVE AND FINISHED PRODUCTS, IMPROVED CORROSION RESISTANCE, DATED: 78-11-10									
A669A	AK STEEL CORPORATION				56510	TYPE 434-436	BML-362-70	70-04-06	C	IRB026
W341A	WASHINGTON STEEL				56511	TYPE 436	BML 569-64M	65-01-07	C	IRB026
A ESB-M1A71-A	STEEL, STAINLESS, EXTERIOR SCREWS, DATED: 78-04-25									
C200A	CARPENTER STEEL CO				20051	STAINLESS #10	BML	61-05-18	C	IRB026
A WSD-M1A82-B	STEEL, RETAINING AND SNAP RINGS, DATED: 87-11-30									
N/A	SOURCES ARE NOT APPLICABLE TO THIS SPECIFICATION.									
A ESF-M1A91-A	GRAY CAST IRON, GRADE EA, DATED: 85-09-27									
A216A	ALLOY GREY IRON FOUNDRY				24886		EED	69-01-09	C	IRB026
CS06B	FORD MOTOR CO				28317		ENG. ENGRG.		C	IRB026
A ESB-M1A93-A	SPRING FASTENERS, HEAT TREATED, DATED: 78-04-28									
ZZZZ	ANY RELIABLE SUPPLIER				30139				C	IRB026
A ESB-M1A94-A	SPRING FASTENERS, HEAT TREATED, (SHOWN ON ESB-M1A93-A) DATED: 78-04-28									

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A ESB-M1A94-A	SPRING FASTENERS, HEAT TREATED, (SHOWN ON ESB-M1A93-A) DATED: 78-04-28						
ZZZZZ	ANY RELIABLE SUPPLIER	30140				C	IRB026
A ESB-M1A95-A	SPRING FASTENERS, HEAT TREATED, (SHOWN ON ESB-M1A93-A) DATED: 78-04-28						
ZZZZZ	ANY RELIABLE SUPPLIER	30141				C	IRB026
A ESB-M1A110-A	STEEL WIRE, #18 GA HARD DRAWN - ROUND OR SHAPED (HIGH TENSILE), DATED: 78-04-25						
ZZZZZ	ANY RELIABLE SUPPLIER	63148				C	IRB026
A ESB-M1A112-A	STEEL WIRE, #18 GA HARD DRAWN - ROUND OR SHAPED, (SHOWN ON ESB-M1A110-A) DATED: 78-04-25						
ZZZZZ	ANY RELIABLE SUPPLIER	56521				C	IRB026
A ESW-M1A125-B	STEEL, 130000 PSI (896 MPA) YIELD STRENGTH - SAE 4140, DATED: 79-01-10						
L155A	LASALLE STEEL	20087	ETD-150		64-07-14	C	IRB026
H941D	LTV ELECTRO GALVANIZING INC	35723	SAE 4145 CD STEEL	900098	89-01-17	C	IRB026
W367C	WYCKOFF STEEL DIV	34590		B&CE,RVL. CLS 701011	87-04-14	C	IRB026
A ESW-M1A130-B	STEEL BALLS, CHROME ALLOY, VACUUM PROCESSED, DATED: 78-10-04						
A340J	KOYO CORPORATION OF USA SUB SUPPLIERS AMAISUI AND TUBAKIMOTO NOT APPROVED FOR TRANSMISSION AND AXLE	36446		CHASSIS 903176/A- 791	90-03-01	C	IRB026
A ESB-M1A132-A	STEEL, HIGH STRENGTH LOW ALLOY, 55,000 PSI (379 MPA) YIELD STRENGTH, DATED: 00-07-31						
N466A	NATIONAL STEEL CORP	20098	GLX-55W	BEPE	64-01-13	C	IRB026
N ESEN-M1A135-A	STEEL, SNAP RING MATERIAL, (NOT TO BE USED FOR NEW DESIGN, USE WSD-M1A283-B50, WSD-M1A283-B51, WSD-M1A283-B52) DATED: 78-08-04						
TTTTT	ANY RELIABLE SUPPLIER	30150				C	IRB026
A ESB-M1A138-A	STEEL WIRE, HARD DRAWN LOW TENSILE QUALITY, DATED: 78-11-10						
ZZZZZ	ANY RELIABLE SUPPLIER	56522				C	IRB026
A ESW-M1A150-AA	STEEL, BOLTS LOW CARBON, DATED: 82-11-29						
ALL M	ALL MAJOR SUPPLIERS ARE CONSIDERED APPROVED.						
A ESW-M1A150-GA	STEEL, BOLTS MEDIUM CARBON ALLOY, QUENCHED AND TEMPERED, DATED: 80-02-28						
ZZZZZ	ANY RELIABLE SUPPLIER	30152				C	IRB026
A EST-M1A154-A	STEEL, 110,000 PSI (758 MPA) YIELD STRENGTH - HEAT TREATABLE, DATED: 78-11-10						

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A EST-M1A154-A	STEEL, 110,000 PSI (758 MPA) YIELD STRENGTH - HEAT TREATABLE, DATED: 78-11-10						
M435A	MIDLAND STEEL PRODUCTS CO	35266	MSC-659B	HVY TRK DESIGN	88-01-13	C	IRB026
S323A	TOWER AUTOMOTIVE PRODUCTS COMPANY INC	20107			65-02-05	C	IRB026
A WSE-M1A156-B	GREY CAST IRON-HARDENABLE ALLOY, DATED: 88-02-29						
NONE	SOURCE APPROVAL PENDING						
A WSE-M1A172-B1	NODULAR IRON CRANKSHAFTS, DATED: 94-06-22						
NONE	SOURCE APPROVAL PENDING						
A WSE-M1A172-B2	NODULAR IRON, CRANKSHAFTS, (SHOWN ON WSE-M1A172-B1) DATED: 94-06-22						
NONE	SOURCE APPROVAL PENDING						
A WSE-M1A172-B3	NODULAR IRON, CRANKSHAFTS, (SHOWN ON WSE-M1A172-B1) DATED: 94-06-22						
NONE	SOURCE APPROVAL PENDING						
A WSE-M1A172-B4	NODULAR IRON, CRANKSHAFTS, (SHOWN ON WSE-M1A172-B1) DATED: 94-06-22						
NONE	SOURCE APPROVAL PENDING						
A ESA-M1A176-B	GRAY IRON FOR WHEEL HUBS, MEDIUM STRENGTH STRUCTURAL, DATED: 92-07-13						
ZZZZ	ANY RELIABLE SUPPLIER	38279		CEO		C	IRB026
A WSS-M1A183-D	STEEL, HIGH STRENGTH, MARTENSITIC, SHEET, DATED: 98-09-02						
I783A	ISPAT INLAND INC	72838	M130	BE/MMYERS/A 20086	00-02-23	C	IRB026
		72839	M160	BE/MMYERS/A 20087	00-02-23	C	IRB026
		72840	M190	BE/MMYERS/A 20088	00-02-23	C	IRB026
		72841	M220	BE/MMYERS/A 20089	00-02-23	C	IRB026
A ESA-M1A191-C	STEEL, TERNE COATED, 11.5% TIN MINIMUM, DATED: 79-03-02						
A669A	AK STEEL CORPORATION	56526		CEO	79-01-29	C	IRB026
U505A	US STEEL GROUP	56528		CEO	79-01-29	C	IRB026
J531C	WARREN CONSOLIDATED INDUSTRIES	56524		CEO	79-01-29	C	IRB026
W635A	WHEELING PITTSBURGH	56529		CEO	79-01-29	C	IRB026
A ESA-M1A191-D	STEEL, TERNE COATED, 8.0% TIN MINIMUM, (SHOWN ON ESA-M1A191-C) DATED: 79-03-02						
A669A	AK STEEL CORPORATION	56532	TERNE STEEL	CEO	79-01-29	C	IRB026
U505A	US STEEL GROUP	56534		CEO	79-01-29	C	IRB026
J531C	WARREN CONSOLIDATED INDUSTRIES	56530		CEO	79-01-29	C	IRB026
A ESA-M1A193-A	STEEL TUBING, TERNE COATED, DATED: 79-01-10						

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A ESA-M1A193-A	STEEL TUBING, TERNE COATED, DATED: 79-01-10									
F667A	FTZSIMONS MANUFACTURING CO				20136			70-07-24	C	IRB026
A ESF-M1A202-A	STEEL, LOW CARBON - ALUMINUM KILLED, DATED: 91-04-18									
NONE	SOURCE APPROVAL PENDING									
A WSB-M1A215-E1	STEEL, SHEET, HOT ROLLED HSLA, FULLY KILLED, DATED: 00-09-21									
A168A	ALGOMA STEEL CORP (PICKLED & OILED)	550			54798	.075-.230"	CLS-660389 82366-MDO LTR. 4-29- 73	73-05-10	C	IRB026
	(PICKLED & OILED)	350			54799	.075-.230"	CLS-404343 MDO-REP. 213028	74-07-16	C	IRB026
A669A	AK STEEL CORPORATION (PICKLED & OILED)	350			54800	.075-.230"	CLS-403939 MDO-REP. 213028	75-03-03	C	IRB026
	(PICKLED & OILED)	550			54801	.075-.230"	CLS-7343 MDO	74-01-18	C	IRB026
	% MAX: C-.05; MN-. 50; P-.02; CB-.04 NOM.	500			54802	.085-.230"	MF-81102	81-02-10	C	IRB026
B446A	BETHLEHEM STEEL CORPORATION % MAX: C-.08; MN-. 1.31; SI-.33; V-. 08; CB-.035; N-. 017	550			54803	.072-.230"	.F-81134	81-06-19	C	IRB026
B446J	BETHLEHEM STEEL CORPORATION % MAX: C-.06; MN-. 61; NOM: SI-.33; CB-.038; V-.003	350			54804	.085-.230"	MF-82151	82-11-04	C	IRB026
B744C	CORUS UK LTD LLANWERN/PORT TALBOT (TEESIDE SLABSTOCK) C-.037/.080 MN-. 22/.70 S-.001/.008 NB-.004/.030				55085	XF 300	AVT/ML T9365C/A064 4	89-02-20	C	IRB026
	LLANWERN/PORT TALBOT (TEESIDE SLABSTOCK)				55086	GRADE 350	DUNTON	89-02-20	C	IRB026
	LLANWERN/PORT TALBOT (TEESIDE SLABSTOCK)				55087	GRADE 450	DUNTON	89-02-20	C	IRB026
	LLANWERN/PORT TALBOT (TEESIDE SLABSTOCK)				56178	GRADE 400	TO-D.A-833	89-02-20	C	IRB026
T2U6A	ACERALIA CORPORACION S.A. MATERIAL FROM THE AVILES FACTORY	300			73429	S315MC	AVT/KTHURGO O	01-07-06	C	IRB026
	MATERIAL FROM THE AVILES FACTORY	400			73430	S420MC	AVT/KTHURGO O	01-07-06	C	IRB026
D740A	DOFASCO INC % MAX: C-.08; MN-. .75; NOM: SI-.30; ZR-.12 OR CA .004, CB-.010	350			54805	.060-.230"	MF-81129	81-06-19	C	IRB026
	% MAX: C-.09; MN-. ZR-.08 OR CA .004, CB-.09	550			54806	.072-.230"	MF-81117	81-06-19	C	IRB026
	% MAX: C-.10; MN-. .68; NOM: P-.01, S-.015, SI-.30, ZR-.10 OR CA .004, CB-.030	400			54807	.080-.230"	BEPE/MF-834 09	83-12-13	C	IRB026
	% MAX: C-.08 MN-. .75%NOM: CB-.045	450			61900	GRADE 450	BEO ML94309 A1182	94-02-23	C	IRB026
H545C	HOOGOVENS STAAL BV C-.035/.084 MN-. .195/.304 AL-. .025/.074 NB-. .010/.019%MAX:P-. .020 S-.020 SI-. .030	300			61753	YMPRESS E 315	T0-D MLT9352 A1145	94-01-26	C	IRB026

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A WSB-M1A215-E1	STEEL, SHEET, HOT ROLLED HSLA, FULLY KILLED, DATED: 00-09-21									
C68VA	HOOGOVENS STEEL SERVICE CENTER LTD C-.035/.084 MN- .195/.304 AL- .025/.074 NB- .010/.019%MAX:P- .020 S-.020 SI- .030	300			61943	YMPRESS E 315	TO-D MLT9352 A1184	94-03-25	C	IRB026
I783A	ISPAT INLAND INC (PICKLED & OILED)	350			54809	.075-.230"	CLS-03188 MDO REP.- 213028	74-03-20	C	IRB026
	%MAX: C-.07; MN- 43; CB-.043	400			54810	.112-.230"	MF-80113	80-12-09	C	IRB026
	% MAX: C-.07; MN- 1.30; CB-.04; V- .07; N-.13	550			54916	.075-.230"	MF-81134	81-06-19	C	IRB026
M0BEA	STAHLWERKE BREMEN GMBH C-.04/.08 MN- 30/.50 NB- .010/.025%MIN:AL- .02%MAX:P-.02 S- .02	300			55977		TO-D MLT3684/5/6 A0802	90-03-26	C	IRB026
	C-.06/.10 MN- .35/.55 SI-.01/.20 NB-.015/.030 %MIN:AL-.02 %MAX:P-.02 S-.02	350			55978		TO-D MLT3684/5/6 A0803	90-03-26	C	IRB026
	C-.06/.12 SI- .10/.30 NB- .015/.035 V- .035/.070 TI- .010/.030%MIN:AL- .02%MAX:MN-1.0 P- .02 S-.02	400			55979		TO-D MLT3684/5/6 A0804	90-03-26	C	IRB026
R7XBG	THYSEN KRUPP STAHL AG APPROVAL TRANSFERRED FROM SL-M1A9103-AA THROUGH AG APPROVAL TRANSFERRED FROM SL-M1A9103-AA THROUGH AG APPROVAL TRANSFERRED FROM SL-M1A9103-AA THROUGH AG MICROALLOYED WITH CB ONLY				55905 55906 55908 58377	GRADE 350 GRADE 300 GRADE 400 GRADE 300	TO-D TO-D TO-D DUNTON/A- 917	90-01-24 90-01-24 90-01-24 91-05-29	C C C C	IRB026 IRB026 IRB026 IRB026
	MICROALLOYED WITH CB ONLY				58378	GRADE 350	DUNTON/A- 918	91-05-29	C	IRB026
	MICROALLOYED WITH CB OR TI ONLY				58379	GRADE 400	DUNTON/A- 919	91-05-29	C	IRB026
E845A	LTV STEEL CO (PICKLED & OILED)	350			54812	.074-.230"	CLS-01324 MDO LTR. 4- 10-73	73-05-15	C	IRB026
	(PICKLED & OILED)	550			54813	.075-.230"	CLS-19840 MDO LTR. 1- 29-73	73-02-09	C	IRB026
	% MAX: C-.06, MN- 46, P-.02; NOM: CB-.06	400			54814	.105-.230"	MF-81115	82-07-26	C	IRB026
	% MAX: C-.07, MN- CE-.015, V-.12 (PICKLED & OILED)	500			54815	.082-.230"	MF-81133	82-07-26	C	IRB026
		550			54816	.075-.230"	CLS-J01499 MDO REP.- 213028	82-07-26	C	IRB026
	% MAX: C-.07, MN- 48; P-.025; SI- .32 NOM; CB-.082 NOM.	400			54817	.092-.230"	MF-80114	81-01-30	C	IRB026
	(MAX%) C-.05, MN- 40; P-.01 NOM; S- .01 NOM; SI-.50 NOM; CB-.02 NOM (MAX%) C-.07, MN- 81; NOM: CB-.06, V-.04	350			54818	.082-.230"	MF-81183	81-10-13	C	IRB026
		500			54819	.088-.230"	MF-82118	82-08-31	C	IRB026

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A WSB-M1A215-E1	STEEL, SHEET, HOT ROLLED HSLA, FULLY KILLED, DATED: 00-09-21									
E845A	LTV STEEL CO (MAX%) C-.07, MN-.81; NOM: CB-.06, V-.05 C-.06 MAX	500 350			54820 54821	.078-.230'' .075-.230''	MF-83400 CLS-00805 MDO REP. - 213028	83-01-10 73-04-27	C C	IRB026 IRB026
	C-.07 MAX	550			54822	.075-.230''	CLS-1801 MDO LTR. 3- 23-73	73-03-29	C	IRB026
M204A	MCLOUTH STEEL PRODUCTS CORP % MAX: C-.06, MN-.48; % NOM: P-.008, CB-.03	350			54823	.084-.230''	MF-82105	82-03-22	C	IRB026
K768A	MITSUBISHI CORP TOKYO 0.07 MAX C, 1.35 MAX MN, 0.02 MAX P, 0.005 MAX S, 0.07 MAX SI	350			54811		ML 87233 B&CEJEN	87-12-17	C	IRB026
N466A	NATIONAL STEEL CORP %MAX: C-.09 MN-.65 P-.020 S.018 AL-.100 CB-.035	350			54808	.071-.230''	CLS-403939 MDO REP.- 213028	74-11-11	C	IRB026
N469A	NATIONAL STEEL CORP % MAX: C-.08, MN-.83; NOM SI-.45; CR-.48; ZR-.06; CB-.03; B-.0008	550			54824	.072-.230''	BEPE	80-05-06	C	IRB026
D09WA	NV SIDMAR C-.04/.06 MN-.35/.45 AL-.015/.045 NB-.012/.022 %MAX: SI-.02 P-.015 S-.008 C-.055/.085 MN-.45/.60 AL-.015/.045 NB-.018/.033 %MAX: SI-.02 P-.015 S-.008	300 350			60676 60677	PROFILAR 340 PROFILAR 380	TO-D A1089 TO-D A1090	93-04-26 93-04-26	C C	IRB026 IRB026
S3MMA	PREUSSAG AG	300 400 450 500 550 350			69298 70269 70270 70271 70272 70364	GRADE 300 HSLA GRADE 400 HSLA GRADE 450 HSLA GRADE 500 HSLA GRADE 550 HSLA GRADE 350 HSLA	AVT/KTHURGO O AVT/KTHURGO O AVT/KTHURGO O AVT/KTHURGO O FOE/KTHURGO O	97-01-06 97-07-22 97-07-22 97-07-30 97-07-30 97-08-05	C C C C C C	IRB026 IRB026 IRB026 IRB026 IRB026 IRB026
FD10A	ROUGE STEEL CO (PICKLED & OILED)	 350			54826	.075-.230''	MDO REP.- 213028 CLS-03187 MDO REP.- 213028	73-11-19	C	IRB026
	MAX%: C-.08, MN-.78; NOM: CB-.028	400			54827	.080-.230''	MF-81123	82-07-26	C	IRB026
N2SGA	SOLLAC FLORANGE C-.06/.08 MN-.30/.34 AL-.02/.04 NB-.010/.015 %MAX: SI-.035 P-.020 S-.008	300			60678	HD 340	TO-D A1091	93-04-26	C	IRB026

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GSDB CODE	SUPPLIER NAME/REMARKS	TYPE/ GRADE	COLOR CODE	COLOR NAME						
A WSB-M1A215-E1	STEEL, SHEET, HOT ROLLED HSLA, FULLY KILLED, DATED: 00-09-21									
N2SGA	SOLLAC FLORANGE C-.04/.06 MN-.30/.39 AL-.02/.04 NB-.026/.035 %MAX: SI-.035 P-.020 S-.009	350			60679	S 355	TO-D A1092	93-04-26	C	IRB026
R7QEA	SSAB SVENSKT STAL AB	300 350 400			67922 67923 67924	DOMEX 300 FMC DOMEX 350 FMC DOMEX 400 FMC	AVT/A1405 AVT/A1406 AVT/A1407	96-07-19 96-07-19 96-07-19	C C C	IRB026 IRB026 IRB026
P95NA	STELCO STEEL % MAX: C-.07, MN-.60, P-.020, S-.015; NOM: CB-.025	350			54828	.070-.230"	BEPE/ML-84054	84-06-12	C	IRB026
D3B8A	THYSSEN KRUPP AG				68071 68072 69309	300 (NB) 350 (NB) GRADE 400 (NB)	AVT/A1417 AVT/A1418 AVT/KTHURGO O	96-07-17 96-07-17 97-01-14	C C C	IRB026 IRB026 IRB026
	APPROVAL FOR GRADE 400 (NB)									
	APPROVAL FOR GRADE 350 (NB+V)				72765	GRADE 350 (NB+V)	RVT/KTHURGO O	00-01-26	C	IRB026
U505A	US STEEL GROUP (PICKLED & OILED)	350			54829	.075-.230"	CLS-400739 MDO REP.-213028	75-09-11	C	IRB026
	(PICKLED & OILED)	400			54830	.075-.230"	CLS-21191 MDO REP.-213028	75-07-11	C	IRB026
	(PICKLED & OILED)	550			54831	.075-.230"	CLS-400740 MDO REP.-213028	75-07-11	C	IRB026
D30VB	VOEST ALPINE GMBH C-.03/.09 MN-.20/.60 AL-.02/.06 NB-.010/.040 %MAX: SI-.10 P-.025 S-.015	300			60680	KHR 40 F 30	TO-D A1093	93-04-26	C	IRB026
	C-.03/.10 MN-.20/.80 AL-.02/.06 NB-.020/.050 %MAX: SI-.10 P-.025 S-.015	350			60681	KHR 43 F 35	TO-D A1094	93-04-26	C	IRB026
	C-.03/.11 MN-.20/.1.00 AL-.02/.06 NB-.020/.060 %MAX: SI-.10 P-.025 S-.015	400			60682	KHR 46 F 40	TO-D A1095	93-04-26	C	IRB026
A WSB-M1A215-F1	STEEL, SHEET, COLD ROLLED HSLA, FULLY KILLED, (SHOWN ON WSB-M1A215-E1) DATED: 00-09-21									
A669A	AK STEEL CORPORATION % MAX: C-.07, MN-.03, SI-.35	350			54832	.030-.071"	MP-79161	79-12-03	C	IRB026
B446A	BETHLEHEM STEEL CORPORATION % MAX: C-.06, MN-.50, P-.015, NB-.04	350			54833	.047-.059"	MP-79122	79-12-03	C	IRB026
	% MAX: C-.06, MN-.55, P-.015, CB-.04	350			54834	.040-.071"	MF-80107	81-03-09	C	IRB026
B446J	BETHLEHEM STEEL CORPORATION % MAX: C-.03, MN-.40, P-.08, CB-.030	350			54835	.034-.071"	MF-81135	81-12-14	C	IRB026
	% MAX: C-.05, MN-.60, NOM: SI-.25, CB-.03	350			54843	.034-.071"	BEPE/ML-84052	84-04-10	C	IRB026

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A WSB-M1A215-F1	STEEL, SHEET, COLD ROLLED HSLA, FULLY KILLED, (SHOWN ON WSB-M1A215-E1) DATED: 00-09-21						
B446J	BETHLEHEM STEEL CORPORATION % MAX: C-.05, MN-.53, NOM: SI-.25, CB-.03 C-.06 MAX MN-.60 MAX P-.04 MAX CB-.040 MAX	54844 63873	.022-.071"	BEPE/ML-84057 AVT/VO A1234	84-12-20 95-03-21	C C	IRB026 IRB026
B744A	CORUS UK LTD APPROVAL TRANSFERRED FROM SL-M1A9122-A AND SL-M1A9123-AA THROUGH AE	55092	GRADE 250	DUNTON	89-02-20	C	IRB026
D740A	DOFASCO INC % MAX: C-.09, MN-.87, NOM: SI-.35, CB-.035; ZR-.12 OR CA .004 40A40A-HD TO WSS-M1P94-A 60G60G-HD TO WSS-M1P94-A	54845 72365 72366	.029-.071"	MF-81138 AVT/MMYERS AVT/MMYERS	81-05-08 98-10-16 98-10-16	C C C	IRB026 IRB026 IRB026
I783A	ISPAT INLAND INC % MAX: C-.06, MN-.80, P-.07, TI-.07 C-0.16 MAX; MN-1.55 MAX; P-0.01 NOM; S-0.005 NOM; SI-0.30 NOM C-0.16 MAX; MN-1.48 MAX; P-0.01 NOM; S-0.005 NOM; SI-0.30 NOM	54847 54849 59563	.022-.071" .050-.071" .050-.071	MF-81136 ML 87214 BEO A0994	80-05-07 87-07-14 92-07-21	C C C	IRB026 IRB026 IRB026
I783B	ISPAT INLAND INC % MAX: C-0.10, MN-1.05, % NOM: P-0.02, S-0.01, SI-0.30 C-0.10 MAX; MN-1.05 MAX; P-0.02 NOM; S-0.01 NOM; SI-0.30 NOM; CONTINUOUS ANNEALED	54850 59562	.032-.071" .032-.071	B&CE/ML-85061 BEO ML-85061 A0993	85-09-30 92-07-21	C C	IRB026 IRB026
E845A	LTV STEEL CO % MAX: C-.09, MN-.49, TI-.14, V-.010 % MAX: C-.07, MN-.88, P-.02; TI-.24 NOM % MAX: C-.09, MN-.49, P-.025; TI-.24 NOM % MAX: C-.10, MN-.54, P-.02, % NOM: TI-.25 % MAX: C-.09, MN-.36, P-.02, CB-.06 NOM % MAX: C-.09, MN-1.46; SI-.32; CB-.09; V-.09 % MAX: C-.08, MN-1.48; NOM: P-.01, S-.01, CB-.10, V-.06 % MAX: C-.09, MN-.70, P-.025, CB-.030% NOM: SI-.15	54852 54853 54854 54855 54856 54857 54858 54859 54860	.025-.071" .033-.071" .038-.071" .030-.071" .028-.071" .050-.071" .070-.100" .028-.071" .048-.071"	MP-79063 MF-80120 MF-80112 MF-81139, MF-81110 MF-81137 MF-81125 MF-81194 MF-82119 ML 84056	79-03-29 81-01-30 81-01-30 81-07-17 81-09-08 79-03-29 81-09-20 82-08-31 84-11-15	C C C C C C C C C	IRB026 IRB026 IRB026 IRB026 IRB026 IRB026 IRB026 IRB026 IRB026
M286A	MARUBENI AMERICA CORP						

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