

## List of Electrodes for 09/07/2010

(Sorted by Standard / Company Name/ Classification)

Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
Adox / Oki Bering Canada Inc.	ER4043	Best Weld 4043	Canada		0.8		A5.10:1999
Adox / Oki Bering Canada Inc.	ER5356	Best Weld 5356	Canada		0.8		A5.10:1999
Air Liquide Canada, Inc.	ER4043	Blueshield Crystal 4043	Canada		0.8		A5.10:1999
Air Liquide Canada, Inc.	ER4043	Optiweld 4043	Canada		0.8		A5.10:1999
Air Liquide Canada, Inc.	ER5356	Blueshield Crystal 5356	Canada		0.8		A5.10:1999
Air Liquide Canada, Inc.	ER5356	Optiweld 5356	Canada		0.8		A5.10:1999
Airgas, Inc.	ER4043	Radnor 4043	Canada		0.8		A5.10:1999
Airgas, Inc.	ER5356	Radnor 5356	Canada		0.8		A5.10:1999
AlcoTec Wire Corporation	ER1100	Almigweld ER1100/Altigweld R1100	USA		1.2		A5.10:1999
AlcoTec Wire Corporation	ER4043	Almigweld ER4043/Altigweld R4043	USA		0.9		A5.10:1999
AlcoTec Wire Corporation	ER4047	Almigweld ER4047/Altigweld R4047	USA		0.9		A5.10:1999
AlcoTec Wire Corporation	ER5183	Almigweld ER5183/Altigweld R5183	USA		0.8		A5.10:1999
AlcoTec Wire Corporation	ER5356	Almigweld ER5356/Altigweld R5356	USA		0.8		A5.10:1999
AlcoTec Wire Corporation	ER5554	Almigweld ER5554/Altigweld R5554	USA		0.9		A5.10:1999
AlcoTec Wire Corporation	ER5556	Almigweld ER5556/Altigweld R5556	USA		0.8		A5.10:1999
ESAB AB	ER1100	OK Tigrod 1100	USA		1.2		A5.10:1999
ESAB AB	ER1100	OK Autrod 1100	USA		1.2		A5.10:1999
ESAB AB	ER4043	OK Autrod 4043	USA		0.9		A5.10:1999
ESAB AB	ER4043	OK Tigrod 4043	USA		0.9		A5.10:1999
ESAB AB	ER4047	OK Autrod 4047	USA		0.9		A5.10:1999
ESAB AB	ER4047	OK Tigrod 4047	USA		0.9		A5.10:1999
ESAB AB	ER5183	OK Autrod 5183	USA		0.8		A5.10:1999
ESAB AB	ER5183	OK Tigrod 5183	USA		0.8		A5.10:1999
ESAB AB	ER5356	OK Autrod 5356	USA		0.8		A5.10:1999
ESAB AB	ER5356	OK Tigrod 5356	USA		0.8		A5.10:1999
ESAB AB	ER5554	OK Autrod 5554	USA		0.9		A5.10:1999
ESAB AB	ER5554	OK Tigrod 5554	USA		0.9		A5.10:1999
ESAB AB	ER5556	OK Autrod 5556	USA		0.8		A5.10:1999
ESAB AB	ER5556	OK Tigrod 5556	USA		0.8		A5.10:1999
ESAB Group, Inc./Alloy Rods	ER1100	ESAB OK AUTROD 1100/ESAB OK TIC	USA		1.2		A5.10:1999
ESAB Group, Inc./Alloy Rods	ER4043	ESAB OK AUTROD 4043/ESAB OK TIC	USA		0.9		A5.10:1999
ESAB Group, Inc./Alloy Rods	ER4047	ESAB OK AUTROD 4047/ESAB OK TIC	USA		0.9		A5.10:1999
ESAB Group, Inc./Alloy Rods	ER5183	ESAB OK AUTROD 5183/ESAB OK TIC	USA		0.8		A5.10:1999
ESAB Group, Inc./Alloy Rods	ER5356	ESAB OK AUTROD 5356/ESAB OK TIC	USA		0.8		A5.10:1999
ESAB Group, Inc./Alloy Rods	ER5554	ESAB OK AUTROD 5554/ESAB OK TIC	USA		0.9		A5.10:1999
ESAB Group, Inc./Alloy Rods	ER5556	ESAB OK AUTROD 5556/ESAB OK TIC	USA		0.8		A5.10:1999
Filler Metals, Inc.	ER4043	Filler Metals ER 4043	USA		0.8		A5.10:1999
Filler Metals, Inc.	ER5356	Filler Metals ER 5356	USA		0.8		A5.10:1999
Hobart Brothers Company, SWBU	ER4043	Smootharc ER/R4043	USA		0.8		A5.10:1999
Hobart Brothers Company, SWBU	ER5356	Smootharc ER/R5356	USA		0.8		A5.10:1999
Indalco Alloys Inc.	ER1100	IA 1100	Canada		1.2		A5.10:1999
Indalco Alloys Inc.	ER4043	4043	Canada		0.8		A5.10:1999
Indalco Alloys Inc.	ER5183	5183	Canada		1.2	1.2	A5.10:1999
Indalco Alloys Inc.	ER5356	5356	Canada		0.8		A5.10:1999
Indalco Alloys Inc.	ER5554	5554	Canada		0.8		A5.10:1999
Independent Welding Distributors Coo	ER4043	Weldmark 4043	Canada		0.8		A5.10:1999

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Independent Welding Distributors Coo	ER4043	Weldmark 4043 Plus Aluminum	USA		0.8		A5.10:1999
Independent Welding Distributors Coo	ER5356	Weldmark 5356	Canada		0.8		A5.10:1999
Independent Welding Distributors Coo	ER5356	Weldmark 5356 Plus Aluminum	USA		0.8		A5.10:1999
Lincoln Electric of Canada LP	ER1100	Superglaze 1100	Canada		1.2		A5.10:1999
Lincoln Electric of Canada LP	ER4043	Superglaze 4043	Canada		0.8		A5.10:1999
Lincoln Electric of Canada LP	ER4043	Prostar 4043	Canada		0.8		A5.10:1999
Lincoln Electric of Canada LP	ER5183	Superglaze 5183	Canada		1.2		A5.10:1999
Lincoln Electric of Canada LP	ER5356	Superglaze 5356	Canada		0.8		A5.10:1999
Lincoln Electric of Canada LP	ER5356	Prostar 5356	Canada		0.8		A5.10:1999
Lincoln Electric of Canada LP	ER5554	Prostar 5554	Canada		0.8		A5.10:1999
Lincoln Electric of Canada LP	ER5554	Superglaze 5554	Canada		0.8		A5.10:1999
Maxal International Inc.	ER1100	Maxalmig ER1100/Maxaltig R1100	USA		0.9		A5.10:1999
Maxal International Inc.	ER4043	Maxalmig ER4043/Maxaltig R4043	USA		0.8		A5.10:1999
Maxal International Inc.	ER5183	Maxalmig ER5183/Maxaltig R5183	USA		1.2		A5.10:1999
Maxal International Inc.	ER5356	Maxalmig ER5356/Maxaltig R5356	USA		0.8		A5.10:1999
Maxal International Inc.	ER5554	Maxalmig ER5554/Maxaltig R5554	USA				A5.10:1999
Maxal International Inc.	ER5556	Maxalmig ER5556/Maxaltig R5556	USA		1.2		A5.10:1999
Nexal Aluminum Inc.	ER4043	Nexalloy 4043	Canada		0.9	1.2	A5.10:1999
Nexal Aluminum Inc.	ER5356	Nexalloy 5356	Canada		0.9	1.2	A5.10:1999
Novametal S.A.	ER4043	NMA 4043	Switzerland		1.2		A5.10:1999
Novametal S.A.	ER5183	NMA 5183	Switzerland		1.0		A5.10:1999
Novametal S.A.	ER5336	NMA 5356	Switzerland		1.0	1.2	A5.10:1999
Novametal do Brasil Ltda	ER4043	NMA 4043	Switzerland		1.2		A5.10:1999
Novametal do Brasil Ltda	ER5183	NMA 5183	Switzerland		1.0		A5.10:1999
Praxair Canada Inc.	ER4043	Prostar R4043	USA		0.9		A5.10:1999
Praxair Canada Inc.	ER4043	Prostar ER4043	USA		0.9		A5.10:1999
Praxair Canada Inc.	ER5356	Prostar ER5356	USA		0.8		A5.10:1999
Praxair Canada Inc.	ER5356	Prostar R5356	USA		0.8		A5.10:1999
Techniweld Products Corporation	ER4043	Powerweld 4043	Canada		0.9	1.2	A5.10:1999
Techniweld Products Corporation	ER5356	Powerweld 5356	Canada		0.9	1.2	A5.10:1999
The Harris Products Group	ER1100	Harris 1100	Canada		1.2		A5.10:1999
The Harris Products Group	ER4043	Harris ER 4043	USA		0.8		A5.10:1999
The Harris Products Group	ER4043	Harris 4043	Canada		0.8		A5.10:1999
The Harris Products Group	ER5183	Harris 5183	Canada		1.2	1.2	A5.10:1999
The Harris Products Group	ER5356	Harris ER 5356	USA		0.8		A5.10:1999
The Harris Products Group	ER5356	Harris 5356	Canada		0.8		A5.10:1999
The Harris Products Group	ER5554	Harris 5554	Canada		0.8		A5.10:1999
Vanguard Steel Limited	ER4043	Bonarc ER 4043	Canada		0.8		A5.10:1999
Vanguard Steel Limited	ER5356	Bonarc ER 5356	Canada		0.8		A5.10:1999
Boehler Welding Group Nordic AB (Ave	ENiCrMo-12	P12-R BAS	Sweden			4.0	A5.11/A5.11M:2010
Oxford Alloys, Inc.	ENiCrMo-3	Oxford Alloys 112	USA				A5.11/A5.11M:2010
Oxford Alloys, Inc.	ENiCrMo-4	Oxford Alloys 276	USA				A5.11/A5.11M:2010
Special Metals Welding Products Comp	ENiCrFe-2	Inco-Weld Welding Electrode A	USA				A5.11/A5.11M:2010
Special Metals Welding Products Comp	ENiCrFe-3	Inconel Welding Electrode 182	USA				A5.11/A5.11M:2010
Special Metals Welding Products Comp	ENiCrMo-3	Inconel Welding Electrode 112	USA				A5.11/A5.11M:2010
Special Metals Welding Products Comp	ENiCrMo-4	Inco-Weld Welding Electrode C-276	USA				A5.11/A5.11M:2010
Techalloy Welding Products, Baltimor	ENiCrFe-2	Tech Rod Weld A	USA				A5.11/A5.11M:2010

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Techalloy Welding Products, Baltimor	ENiCrFe-3	Tech Rod 182	USA				A5.11/A5.11M:2010
Techalloy Welding Products, Baltimor	ENiCrMo-10	Tech Rod 122	USA				A5.11/A5.11M:2010
Techalloy Welding Products, Baltimor	ENiCrMo-3	Tech Rod 112	USA				A5.11/A5.11M:2010
Techalloy Welding Products, Baltimor	ENiCrMo-4	Tech Rod 276	USA				A5.11/A5.11M:2010
Central Wire Industries Ltd.	ERNiCr-3	ERNiCr-3	Canada				A5.14/A5.14M:2009
Central Wire Industries Ltd.	ERNiCrMo-3	ERNiCrMo-3	Canada				A5.14/A5.14M:2009
Oxford Alloys, Inc.	ERNiCrMo-3	Oxford Alloys 625	USA				A5.14/A5.14M:2009
Oxford Alloys, Inc.	ERNiCrMo-4	Oxford Alloys C-276	USA				A5.14/A5.14M:2009
Special Metals Welding Products Comp	ERNiCr-3	Inconel Filler Metal 82	USA				A5.14/A5.14M:2009
Special Metals Welding Products Comp	ERNiCrMo-3	Inconel Filler Metal 625	USA				A5.14/A5.14M:2009
Special Metals Welding Products Comp	ERNiCrMo-4	Inco-Weld Filler Metal C-276	USA				A5.14/A5.14M:2009
Techalloy Welding Products, Baltimor	ERNi-1	Techalloy 208	USA				A5.14/A5.14M:2009
Techalloy Welding Products, Baltimor	ERNiCr-3	Techalloy 606	USA				A5.14/A5.14M:2009
Techalloy Welding Products, Baltimor	ERNiCrCoMo-1	Techalloy 617	USA				A5.14/A5.14M:2009
Techalloy Welding Products, Baltimor	ERNiCrMo-10	Techalloy 622	USA				A5.14/A5.14M:2009
Techalloy Welding Products, Baltimor	ERNiCrMo-3	Techalloy 625Fe	USA				A5.14/A5.14M:2009
Techalloy Welding Products, Baltimor	ERNiCrMo-4	Techalloy 276	USA				A5.14/A5.14M:2009
Techalloy Welding Products, Baltimor	ERNiCu-7	Techalloy 418	USA				A5.14/A5.14M:2009
Air Liquide Canada Inc.	E308LT0-1	Blueshield 650-308L	USA	CO2			A5.22/A5.22M:2010
Air Liquide Canada Inc.	E308LT0-4	Blueshield 650-308L	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Air Liquide Canada Inc.	E308LT1-1	Blueshield 650P-308L	USA	CO2			A5.22/A5.22M:2010
Air Liquide Canada Inc.	E308LT1-4	Blueshield 650P-308L	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Air Liquide Canada Inc.	E309LT0-1	Blueshield 654-309L	USA	CO2			A5.22/A5.22M:2010
Air Liquide Canada Inc.	E309LT0-1	Blueshield 652-316L	USA	CO2			A5.22/A5.22M:2010
Air Liquide Canada Inc.	E309LT0-4	Blueshield 654-309L	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Air Liquide Canada Inc.	E309LT0-4	Blueshield 652-316L	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Air Liquide Canada Inc.	E309LT1-1	Blueshield 654P-309L	USA	CO2			A5.22/A5.22M:2010
Air Liquide Canada Inc.	E309LT1-4	Blueshield 654P-309L	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Air Liquide Canada Inc.	E316LT1-1	Blueshield 652P-316L	USA	CO2			A5.22/A5.22M:2010
Air Liquide Canada Inc.	E316LT1-4	Blueshield 652P-316L	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Arctec Alloys Limited	E308LT1-1	FCS 308 L	USA	CO2			A5.22/A5.22M:2010
Arctec Alloys Limited	E308LT1-1	308L Flux Cored	Korea	CO2			A5.22/A5.22M:2010
Arctec Alloys Limited	E308LT1-4	FCS 308 L	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Arctec Alloys Limited	E308LT1-4	308L Flux Cored	Korea	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Arctec Alloys Limited	E309LT1-1	FCS 309 L	USA	CO2			A5.22/A5.22M:2010
Arctec Alloys Limited	E309LT1-1	309L Flux Cored	Korea	CO2			A5.22/A5.22M:2010
Arctec Alloys Limited	E309LT1-4	FCS 309 L	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Arctec Alloys Limited	E309LT1-4	309L Flux Cored	Korea	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Arctec Alloys Limited	E316LT1-1	FCS 316 L	USA	CO2			A5.22/A5.22M:2010
Arctec Alloys Limited	E316LT1-1	316L Flux Cored	Korea	CO2			A5.22/A5.22M:2010
Arctec Alloys Limited	E316LT1-4	FCS 316 L	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Arctec Alloys Limited	E316LT1-4	316L Flux Cored	Korea	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Boehler Welding Group Nordic AB (Ave	E2209T0-1	Avesta FCW 2D-2205	Austria	CO2			A5.22/A5.22M:2010
Boehler Welding Group Nordic AB (Ave	E2209T0-4	Avesta FCW 2D-2205	Austria	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Boehler Welding Group Nordic AB (Ave	E2209T1-1	Avesta FCW 2205-PW	Austria	CO2			A5.22/A5.22M:2010
Boehler Welding Group Nordic AB (Ave	E2209T1-4	Avesta FCW 2205-PW	Austria	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Boehler Welding Group Nordic AB (Ave	E308LT0-1	Avesta FCW-2D 308L/MVR	Austria	CO2			A5.22/A5.22M:2010

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Boehler Welding Group Nordic AB (Ave	E308LT0-4	Avesta FCW-2D 308L/MVR	Austria	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Boehler Welding Group Nordic AB (Ave	E308LT1-1	Avesta FCW 308L-PW	Austria	CO2			A5.22/A5.22M:2010
Boehler Welding Group Nordic AB (Ave	E308LT1-4	Avesta FCW 308L-PW	Austria	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Boehler Welding Group Nordic AB (Ave	E309LT0-1	Avesta FCW-2D 309L	Austria	CO2			A5.22/A5.22M:2010
Boehler Welding Group Nordic AB (Ave	E309LT0-4	Avesta FCW-2D 309L	Austria	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Boehler Welding Group Nordic AB (Ave	E309LT1-1	Avesta FCW 309L-PW	Austria	CO2			A5.22/A5.22M:2010
Boehler Welding Group Nordic AB (Ave	E309LT1-4	Avesta FCW 309L-PW	Austria	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Boehler Welding Group Nordic AB (Ave	E316LT0-1	Avesta FCW-2D 316L/SKR	Austria	CO2			A5.22/A5.22M:2010
Boehler Welding Group Nordic AB (Ave	E316LT0-4	Avesta FCW-2D 316L/SKR	Austria	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Boehler Welding Group Nordic AB (Ave	E316LT1-1	Avesta FCW 316L-PW	Austria	CO2			A5.22/A5.22M:2010
Boehler Welding Group Nordic AB (Ave	E316LT1-4	Avesta FCW 316L-PW	Austria	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Bohler Thyssen Welding Canada	E2209T0-1	Boehler CN 22/9 N-FD	Austria	CO2			A5.22/A5.22M:2010
Bohler Thyssen Welding Canada	E2209T0-4	Boehler CN 22/9 N-FD	Austria	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Bohler Thyssen Welding Canada	E2209T1-1	Boehler CN 22/9 PW-FD	Austria	CO2			A5.22/A5.22M:2010
Bohler Thyssen Welding Canada	E2209T1-4	Boehler CN 22/9 PW-FD	Austria	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Bohler Thyssen Welding Canada	E308LT0-1	Boehler EAS 2-FD	Austria	CO2			A5.22/A5.22M:2010
Bohler Thyssen Welding Canada	E308LT0-4	Boehler EAS 2-FD	Austria	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Bohler Thyssen Welding Canada	E308LT1-1	Boehler EAS 2 PW-FD	Austria	CO2			A5.22/A5.22M:2010
Bohler Thyssen Welding Canada	E308LT1-4	Boehler EAS 2 PW-FD	Austria	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Bohler Thyssen Welding Canada	E309LMoT0-1	Boehler CN23/12Mo-FD	Austria	CO2			A5.22/A5.22M:2010
Bohler Thyssen Welding Canada	E309LMoT0-4	Boehler CN23/12Mo-FD	Austria	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Bohler Thyssen Welding Canada	E309LT0-1	Boehler CN 23/12-FD	Austria	CO2			A5.22/A5.22M:2010
Bohler Thyssen Welding Canada	E309LT0-4	Boehler CN 23/12-FD	Austria	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Bohler Thyssen Welding Canada	E309LT1-1	Boehler CN 23/12 PW-FD	Austria	CO2			A5.22/A5.22M:2010
Bohler Thyssen Welding Canada	E309LT1-4	Boehler CN 23/12 PW-FD	Austria	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Bohler Thyssen Welding Canada	E316LT0-1	Boehler EAS 4M-FD	Austria	CO2			A5.22/A5.22M:2010
Bohler Thyssen Welding Canada	E316LT0-4	Boehler EAS 4M-FD	Austria	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Bohler Thyssen Welding Canada	E316LT1-1	Boehler EAS 4 PW-FD	Austria	CO2			A5.22/A5.22M:2010
Bohler Thyssen Welding Canada	E316LT1-4	Boehler EAS 4 PW-FD	Austria	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Chosun Welding Co. Ltd.	E308LT1-1	CSF-308LP	Korea	CO2			A5.22/A5.22M:2010
Chosun Welding Co. Ltd.	E309LT1-1	CSF-309LP	Korea	CO2			A5.22/A5.22M:2010
Chosun Welding Co. Ltd.	E316LT1-1	CSF-316LP	Korea	CO2			A5.22/A5.22M:2010
Cronatron Welding Systems, Inc.	E316LT0-4	Cronamig 3880M-FC (Horizontal)	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Cronatron Welding Systems, Inc.	E316LT1-4	Cronamig 3880M-FC	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
ESAB Group, Inc./Alloy Rods	E308LT0-1	Shield-Bright 308L X-tra	USA	CO2			A5.22/A5.22M:2010
ESAB Group, Inc./Alloy Rods	E308LT0-3	Core-Bright 308L	USA				A5.22/A5.22M:2010
ESAB Group, Inc./Alloy Rods	E308LT0-4	Shield-Bright 308L X-tra	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
ESAB Group, Inc./Alloy Rods	E308LT1-1	Shield Bright 308L	USA	CO2			A5.22/A5.22M:2010
ESAB Group, Inc./Alloy Rods	E308LT1-4	Shield Bright 308L	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
ESAB Group, Inc./Alloy Rods	E309LT0-1	Shield-Bright 309L X-tra	USA	CO2			A5.22/A5.22M:2010
ESAB Group, Inc./Alloy Rods	E309LT0-3	Core-Bright 309L	USA				A5.22/A5.22M:2010
ESAB Group, Inc./Alloy Rods	E309LT0-4	Shield-Bright 309L X-tra	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
ESAB Group, Inc./Alloy Rods	E309LT1-1	Shield Bright 309L	USA	CO2			A5.22/A5.22M:2010
ESAB Group, Inc./Alloy Rods	E309LT1-4	Shield Bright 309L	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
ESAB Group, Inc./Alloy Rods	E316LT0-1	Shield-Bright 316L X-tra	USA	CO2			A5.22/A5.22M:2010
ESAB Group, Inc./Alloy Rods	E316LT0-3	Core-Bright 316L	USA				A5.22/A5.22M:2010
ESAB Group, Inc./Alloy Rods	E316LT0-4	Shield-Bright 316L X-tra	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010

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ESAB Group, Inc./Alloy Rods	E316LT1-1	Shield Bright 316L	USA	CO2			A5.22/A5.22M:2010
ESAB Group, Inc./Alloy Rods	E316LT1-4	Shield Bright 316L	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Hobart Brothers Co., Tubular Wire Bu	E410NiMoT1-1	Mckay In-Flux 410NiMo T1	USA	CO2			A5.22/A5.22M:2010
Hobart Brothers Co., Tubular Wire Bu	EC309LSi	Goldcor 309LSi	USA	Ar + 2%O2	1.2	1.6	A5.22/A5.22M:2010
Hyundai Welding Co., Ltd.	E308LT1-1	SW-308L Cored	Korea	CO2			A5.22/A5.22M:2010
Hyundai Welding Co., Ltd.	E308LT1-4	SW-308L Cored	Korea	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Hyundai Welding Co., Ltd.	E309LMoT1-1	SW-309MoL Cored	Korea	CO2			A5.22/A5.22M:2010
Hyundai Welding Co., Ltd.	E309LMoT1-4	SW-309MoL Cored	Korea	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Hyundai Welding Co., Ltd.	E309LT1-1	SW-309L Cored	Korea	CO2			A5.22/A5.22M:2010
Hyundai Welding Co., Ltd.	E309LT1-4	SW-309L Cored	Korea	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Hyundai Welding Co., Ltd.	E316LT1-1	SW-316L Cored	Korea	CO2			A5.22/A5.22M:2010
Hyundai Welding Co., Ltd.	E316LT1-4	SW-316L Cored	Korea	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kiswel Inc.	E308LT1-1	K-308LT	USA	CO2			A5.22/A5.22M:2010
Kiswel Inc.	E308LT1-4	K-308LT	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kiswel Inc.	E309LT1-1	K-309LT	USA	CO2			A5.22/A5.22M:2010
Kiswel Inc.	E309LT1-4	K-309LT	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kiswel Inc.	E316LT1-1	K-316LT	USA	CO2			A5.22/A5.22M:2010
Kiswel Inc.	E316LT1-4	K-316LT	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kiswel Ltd.	E308LT1-1	K-308LT	Korea	CO2			A5.22/A5.22M:2010
Kiswel Ltd.	E308LT1-4	K-308LT	Korea	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kiswel Ltd.	E309LT1-1	K-309LT	Korea	CO2			A5.22/A5.22M:2010
Kiswel Ltd.	E309LT1-4	K-309LT	Korea	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kiswel Ltd.	E316LT1-1	K-316LT	Korea	CO2			A5.22/A5.22M:2010
Kiswel Ltd.	E316LT1-4	K-316LT	Korea	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E2209T1-1	DW-2209	Japan	CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E2209T1-4	DW-2209	Japan	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E2209T1-4	DW-329AP	Japan	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E308HT1-1	DW-308H	Japan	CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E308HT1-4	DW-308H	Japan	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E308LT0-1	DW-308L	Japan	CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E308LT0-1	DW-G308L	Japan	CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E308LT0-4	DW-308L	Japan	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E308LT0-4	DW-G308L	Japan	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E308LT1-1	DW-308LP	Japan	CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E308LT1-4	DW-308LP	Japan	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E308T0-1	DW-308	Japan	CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E308T0-4	DW-308	Japan	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E309LMoT0-1	DW-309LMo	Japan	CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E309LMoT0-4	DW-309LMo	Japan	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E309LT0-1	DW-309L	Japan	CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E309LT0-1	DW-G309L	Japan	CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E309LT0-4	DW-309L	Japan	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E309LT0-4	DW-G309L	Japan	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E309LT1-1	DW-309LP	Japan	CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E309LT1-4	DW-309LP	Japan	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E310LT0-1	DW-310	Japan	CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E310LT0-4	DW-310	Japan	Ar + 20 to 25%CO2			A5.22/A5.22M:2010

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Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
Kobe Steel, Ltd.	E312T0-1	DW-312	Japan	CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E316LT0-1	DW-316L	Japan	CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E316LT0-1	DW-G316L	Japan	CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E316LT0-4	DW-316L	Japan	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E316LT0-4	DW-G316L	Japan	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E316LT1-1	DW-316LP	Japan	CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E316LT1-4	DW-316LP	Japan	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E317LT0-1	DW-317L	Japan	CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E317LT0-4	DW-317L	Japan	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E347T0-1	DW-347	Japan	CO2			A5.22/A5.22M:2010
Kobe Steel, Ltd.	E347T0-4	DW-347	Japan	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Kuang Tai Metal Ind. Co. Ltd.	E308LT1-1	KFW-308L	Taiwan	CO2	1.2	1.2	A5.22/A5.22M:2010
Kuang Tai Metal Ind. Co. Ltd.	E309LT1-1	KFW-309L	Taiwan	CO2	1.2	1.2	A5.22/A5.22M:2010
Kuang Tai Metal Ind. Co. Ltd.	E316LT1-1	KFW-316L	Taiwan	CO2	1.2	1.2	A5.22/A5.22M:2010
Lincoln Electric of Canada LP	E308LT0-1	UltraCore FC 308L	USA	CO2			A5.22/A5.22M:2010
Lincoln Electric of Canada LP	E308LT0-4	UltraCore FC 308L	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Lincoln Electric of Canada LP	E308LT1-1	UltraCore FCP 308L	USA	CO2			A5.22/A5.22M:2010
Lincoln Electric of Canada LP	E308LT1-4	UltraCore FCP 308L	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Lincoln Electric of Canada LP	E309LT0-1	UltraCore FC 309L	USA	CO2			A5.22/A5.22M:2010
Lincoln Electric of Canada LP	E309LT0-4	UltraCore FC 309L	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Lincoln Electric of Canada LP	E309LT1-1	UltraCore FCP 309L	USA	CO2			A5.22/A5.22M:2010
Lincoln Electric of Canada LP	E309LT1-4	UltraCore FCP 309L	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Lincoln Electric of Canada LP	E316LT0-1	UltraCore FC 316L	USA	CO2			A5.22/A5.22M:2010
Lincoln Electric of Canada LP	E316LT0-4	UltraCore FC 316L	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Lincoln Electric of Canada LP	E316LT1-1	UltraCore FCP 316L	USA	CO2			A5.22/A5.22M:2010
Lincoln Electric of Canada LP	E316LT1-4	UltraCore FCP 316L	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Nippon Welding Rod Co., Ltd.	E2209T0-1	WEL FCW 329J3L	Japan	CO2			A5.22/A5.22M:2010
Nippon Welding Rod Co., Ltd.	E308LT0-1	WEL FCW 308LT	Japan	CO2			A5.22/A5.22M:2010
Nippon Welding Rod Co., Ltd.	E308LT0-4	WEL FCW 308LT (MAG)	Japan	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Nippon Welding Rod Co., Ltd.	E308LT1-1	WEL FCW A308L	Japan	CO2			A5.22/A5.22M:2010
Nippon Welding Rod Co., Ltd.	E309LMoT0-1	WEL FCW 309MoLT	Japan	CO2			A5.22/A5.22M:2010
Nippon Welding Rod Co., Ltd.	E309LT0-1	WEL FCW 309LT	Japan	CO2			A5.22/A5.22M:2010
Nippon Welding Rod Co., Ltd.	E309LT0-4	WEL FCW 309LT (MAG)	Japan	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Nippon Welding Rod Co., Ltd.	E309LT1-1	WEL FCW A309L	Japan	CO2			A5.22/A5.22M:2010
Nippon Welding Rod Co., Ltd.	E316LT0-1	WEL FCW 316LT	Japan	CO2			A5.22/A5.22M:2010
Nippon Welding Rod Co., Ltd.	E316LT0-4	WEL FCW 316LT (MAG)	Japan	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Nippon Welding Rod Co., Ltd.	E316LT1-1	WEL FCW A316L	Japan	CO2			A5.22/A5.22M:2010
Nippon Welding Rod Co., Ltd.	E317LT0-1	WEL FCW 317LT	Japan	CO2			A5.22/A5.22M:2010
Nippon Welding Rod Co., Ltd.	E347T0-1	WEL FCW 347LT	Japan	CO2			A5.22/A5.22M:2010
Praxair Canada Inc.	E308LT1-1	Prostar 308LT1	USA	CO2			A5.22/A5.22M:2010
Praxair Canada Inc.	E308LT1-4	Prostar 308LT1	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Praxair Canada Inc.	E309LT1-1	Prostar 309LT1	USA	CO2			A5.22/A5.22M:2010
Praxair Canada Inc.	E309LT1-4	Prostar 309LT1	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Praxair Canada Inc.	E316LT1-1	Prostar 316LT1	USA	CO2			A5.22/A5.22M:2010
Praxair Canada Inc.	E316LT1-4	Prostar 316LT1	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Sandvik Steel Company	E308LT0-1	Sandvik 308LT0-1/308LT0-4	USA	CO2			A5.22/A5.22M:2010
Sandvik Steel Company	E308LT0-4	Sandvik 308LT0-1/308LT0-4	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010

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Sandvik Steel Company	E308LT1-1	Sandvik 308LT1-1/308LT1-4	USA	CO2			A5.22/A5.22M:2010
Sandvik Steel Company	E308LT1-4	Sandvik 308LT1-1/308LT1-4	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Sandvik Steel Company	E309LT0-1	Sandvik 309LT0-1/309LT0-4	USA	CO2			A5.22/A5.22M:2010
Sandvik Steel Company	E309LT0-1	Sandvik 316LT0-1/316LT0-4	USA	CO2			A5.22/A5.22M:2010
Sandvik Steel Company	E309LT0-4	Sandvik 309LT0-1/309LT0-4	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Sandvik Steel Company	E309LT0-4	Sandvik 316LT0-1/316LT0-4	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Sandvik Steel Company	E309LT1-1	Sandvik 309LT1-1/309LT1-4	USA	CO2			A5.22/A5.22M:2010
Sandvik Steel Company	E309LT1-4	Sandvik 309LT1-1/309LT1-4	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Sandvik Steel Company	E316LT1-1	Sandvik 316LT1-1/316LT1-4	USA	CO2			A5.22/A5.22M:2010
Sandvik Steel Company	E316LT1-4	Sandvik 316LT1-1/316LT1-4	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Select-Arc Inc.	E308LT0-1	SelectAlloy 308L Stainless	USA	CO2			A5.22/A5.22M:2010
Select-Arc Inc.	E308LT0-4	SelectAlloy 308L Stainless	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Select-Arc Inc.	E308LT1-1	SelectAlloy 308L-AP Stainless	USA	CO2			A5.22/A5.22M:2010
Select-Arc Inc.	E308LT1-4	SelectAlloy 308L-AP Stainless	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Select-Arc Inc.	E309LT0-1	SelectAlloy 309L Stainless	USA	CO2			A5.22/A5.22M:2010
Select-Arc Inc.	E309LT0-4	SelectAlloy 309L	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Select-Arc Inc.	E309LT1-1	SelectAlloy 309L-AP Stainless	USA	CO2			A5.22/A5.22M:2010
Select-Arc Inc.	E309LT1-4	SelectAlloy 309L-AP Stainless	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Select-Arc Inc.	E316LT0-1	SelectAlloy 316L Stainless	USA	CO2			A5.22/A5.22M:2010
Select-Arc Inc.	E316LT0-4	SelectAlloy 316L	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Select-Arc Inc.	E316LT1-1	SelectAlloy 316L-AP Stainless	USA	CO2			A5.22/A5.22M:2010
Select-Arc Inc.	E316LT1-4	SelectAlloy 316L-AP Stainless	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Sodel Limitee	E308LT1-1	Wirogas 3080G	USA	CO2			A5.22/A5.22M:2010
Sodel Limitee	E308LT1-4	Wirogas 3080G	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Sodel Limitee	E309LT1-1	Wirogas 3090G	USA	CO2			A5.22/A5.22M:2010
Sodel Limitee	E309LT1-4	Wirogas 3090G	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Sodel Limitee	E316LT1-1	Wirogas 3160G	USA	CO2			A5.22/A5.22M:2010
Sodel Limitee	E316LT1-4	Wirogas 3160G	USA	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Techalloy Welding Products, Baltimor	E308LT0-1	Techalloy 308LFC	Japan	CO2			A5.22/A5.22M:2010
Vanguard Steel Limited	E308LT1-1	Bonarc E308LT-1	Korea	CO2			A5.22/A5.22M:2010
Vanguard Steel Limited	E308LT1-4	Bonarc E308LT-1	Korea	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Vanguard Steel Limited	E309LT1-1	Bonarc E309LT-1	Korea	CO2			A5.22/A5.22M:2010
Vanguard Steel Limited	E309LT1-4	Bonarc E309LT-1	Korea	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Vanguard Steel Limited	E316LT1-1	Bonarc E316LT-1	Korea	CO2			A5.22/A5.22M:2010
Vanguard Steel Limited	E316LT1-4	Bonarc E316LT-1	Korea	Ar + 20 to 25%CO2			A5.22/A5.22M:2010
Bohler Welding Technology (China) Co	F55P2-EB2-B2 (F8P0-EB2-B2)	T Union SA EB2	China	T UV 101SJ (made in China)			A5.23/A5.23M:2007
Bohler Welding Technology (China) Co	F62P2-EB3-B3 (F9P0-EB3-B3)	T Union SA EB3	China	T UV 101SJ (made in China)			A5.23/A5.23M:2007
ESAB Group, Inc./Alloy Rods	F49A4-ENi1K-Ni1 (F7A4-ENi1K-Ni1)	Spoolarc 75 (Coppered)	USA	OK Flux 429 (made in USA)			A5.23/A5.23M:2007
ESAB Group, Inc./Alloy Rods	F55A4-ENi1K-Ni1 (F8A4-ENi1K-Ni1)	Spoolarc 75 (Coppered) {cu}	USA	OK Flux 10.71 (made in Hungary)			A5.23/A5.23M:2007
Lincoln Electric of Canada LP	F49A4-EM12K-Ni1 (F7A4-EM12K-Ni1)	Lincolnweld L-61	Canada	Lincolnweld AXXX10 (made in USA)			A5.23/A5.23M:2007
Lincoln Electric of Canada LP	F49A6-ENi1K-Ni1-H8 (F7A8-ENi1K-Ni1-H8)	Lincolnweld LA-75 {cu}	Canada	Lincolnweld 880M (made in USA)			A5.23/A5.23M:2007
Lincoln Electric of Canada LP	F55A3-ENi1K-Ni1 (F8A2-ENi1K-Ni1)	Lincolnweld LA-75	USA	Lincolnweld 980 (made in USA)			A5.23/A5.23M:2007
Lincoln Electric of Canada LP	F55A3-ENi1K-Ni1 (F8A2-ENi1K-Ni1)	Lincolnweld LA-75	USA	Lincolnweld 960 (made in USA)			A5.23/A5.23M:2007
Lincoln Electric of Canada LP	F55A3-ENi1K-Ni1 (F8A2-ENi1K-Ni1)	Lincolnweld LA-75	Canada	Lincolnweld 960 (made in USA)			A5.23/A5.23M:2007
Lincoln Electric of Canada LP	F55A3-ENi1K-Ni1 (F8A2-ENi1K-Ni1)	Lincolnweld LA-75	Canada	Lincolnweld 980 (made in USA)			A5.23/A5.23M:2007
Lincoln Electric of Canada LP	F62A2-EA1-G (F9A0-EA1-G)	Lincolnweld L-70	USA	Lincolnweld 761 (made in USA)			A5.23/A5.23M:2007
Lincoln Electric of Canada LP	F62A2-EA1-G (F9A0-EA1-G)	Lincolnweld L-70	Canada	Lincolnweld 761 (made in USA)			A5.23/A5.23M:2007

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Lincoln Electric of Canada LP	F62A5-EA3K-A3-H4 (F9A6-EA3K-A3-	Lincolnweld LA-90	USA	Lincolnweld 888 (made in USA)(bake			A5.23/A5.23M:2007
Lincoln Electric of Canada LP	F9A4-ENi5-G-H2 (F62A4-ENi5-G-H2)	Lincolnweld LA-85	USA	Lincolnweld MIL800-HPNi (made in	4.0	4.0	A5.23/A5.23M:2007
Hobart Brothers Co., Tubular Wire Bu	F49A7-ECNi1-Ni1 (F7A10-ECNi1-Ni1)	Metalloy N1S	USA	HN590 (made in Taiwan)			A5.23/AA5.23M:2007
Air Liquide Canada, Inc.	E55C-Ni1-H4 (E80C-Ni1-H4)	Blueshield LA 80C-Ni1	USA	Arcal 211			A5.28/A5.28M:2005
Air Liquide Canada, Inc.	E55C-Ni1-H4 (E80C-Ni1-H4)	Blueshield LA 80C-Ni1	USA	Ar + 15%CO2			A5.28/A5.28M:2005
Air Liquide Canada, Inc.	E55C-Ni1-H4 (E80C-Ni1-H4)	Blueshield LA 80C-Ni1	USA	Ar + 20 to 25%CO2			A5.28/A5.28M:2005
Air Liquide Canada, Inc.	E69C-G-H4 (E100C-G-H4)	Blueshield LA 100C-MG	USA	Ar + 15%CO2			A5.28/A5.28M:2005
Air Liquide Canada, Inc.	E69C-G-H4 (E100C-G-H4)	Blueshield LA 100C-MG	USA	Ar + 2%O2			A5.28/A5.28M:2005
Air Liquide Canada, Inc.	E76C-K4-H4 (E110C-K4-H4)	Blueshield LA 110C-MG	USA	Ar + 20 to 25%CO2	1.2	1.6	A5.28/A5.28M:2005
Air Liquide Canada, Inc.	E76C-K4-H4 (E110C-K4-H4)	Blueshield LA 110C-MG	USA	Ar + 5%CO2	1.2	1.6	A5.28/A5.28M:2005
ESAB Group, Inc./Alloy Rods	ER69S-1 (ER100S-1)	Spoolarc 95	USA	Ar + 2%O2	0.9		A5.28/A5.28M:2005
Hobart Brothers Co., Tubular Wire Bu	E55C-Ni1-H4 (E80C-Ni1-H4)	Tri-mark Metalloy Vantage Ni1	USA	Ar + 5%O2	1.2	1.2	A5.28/A5.28M:2005
Hobart Brothers Co., Tubular Wire Bu	E55C-Ni1-H4 (E80C-Ni1-H4)	Tri-mark Metalloy Vantage Ni1	USA	Ar + 5%CO2	1.2	1.2	A5.28/A5.28M:2005
Hobart Brothers Co., Tubular Wire Bu	E55C-Ni1-H4 (E80C-Ni1-H4)	Tri-mark Metalloy Vantage Ni1	USA	Ar + 20 to 25%CO2	1.2	1.2	A5.28/A5.28M:2005
Hobart Brothers Co., Tubular Wire Bu	E55C-Ni1-H4 (E80C-Ni1-H4)	FabCOR 209	USA	Ar + 20 to 25%CO2	1.2	1.2	A5.28/A5.28M:2005
Hobart Brothers Co., Tubular Wire Bu	E55C-Ni1-H4 (E80C-Ni1-H4)	FabCOR 209	USA	Ar + 5%O2	1.2	1.2	A5.28/A5.28M:2005
Hobart Brothers Co., Tubular Wire Bu	E55C-Ni1-H4 (E80C-Ni1-H4)	FabCOR 209	USA	Ar + 5%CO2	1.2	1.2	A5.28/A5.28M:2005
Hobart Brothers Co., Tubular Wire Bu	E55C-Ni1-H8 (E80C-Ni1-H8)	Corex Metal-Cor 80N1	USA	Ar + 10%CO2			A5.28/A5.28M:2005
Hobart Brothers Co., Tubular Wire Bu	E55C-Ni1-H8 (E80C-Ni1-H8)	Corex Metal-Cor 80N1	USA	Ar + 5%O2			A5.28/A5.28M:2005
Hobart Brothers Co., Tubular Wire Bu	E55C-Ni1-H8 (E80C-Ni1-H8)	Tri-mark Metalloy 80N1	USA	Ar + 10%CO2			A5.28/A5.28M:2005
Hobart Brothers Co., Tubular Wire Bu	E55C-Ni1-H8 (E80C-Ni1-H8)	Tri-mark Metalloy 80N1	USA	Ar + 5%O2			A5.28/A5.28M:2005
Hobart Brothers Co., Tubular Wire Bu	E76C-K4-H4 (E110C-K4-H4)	Corex METAL-COR 110	USA	Ar + 25%CO2			A5.28/A5.28M:2005
Hobart Brothers Co., Tubular Wire Bu	E76C-K4-H4 (E110C-K4-H4)	Corex METAL-COR 110	USA	Ar + 5%CO2			A5.28/A5.28M:2005
Hobart Brothers Co., Tubular Wire Bu	E76C-K4-H4 (E110C-K4-H4)	Tri-mark Metalloy 110	USA	Ar + 25%CO2			A5.28/A5.28M:2005
Hobart Brothers Co., Tubular Wire Bu	E76C-K4-H4 (E110C-K4-H4)	Tri-mark Metalloy 110	USA	Ar + 5%CO2			A5.28/A5.28M:2005
Hobart Brothers Co., Tubular Wire Bu	E76C-K4-H4 (E110C-K4-H4)	Hobart FabCOR 1100	USA	Ar + 5%CO2			A5.28/A5.28M:2005
Hobart Brothers Co., Tubular Wire Bu	E76C-K4-H4 (E110C-K4-H4)	Hobart FabCOR 1100	USA	Ar + 25%CO2			A5.28/A5.28M:2005
Lincoln Electric of Canada LP	E76C-G-H4 (E110C-G-H4)	Metalshield MC-1100	USA	Ar + 10%CO2	1.2	1.2	A5.28/A5.28M:2005
Lincoln Electric of Canada LP	ER55S-D2 (ER80S-D2)	Superarc LA-90	USA	CO2			A5.28/A5.28M:2005
Lincoln Electric of Canada LP	ER55S-Ni1 (ER80S-Ni1)	Superarc LA-75	USA	Ar + 8%CO2			A5.28/A5.28M:2005
Lincoln Electric of Canada LP	ER55S-Ni1 (ER80S-Ni1)	Superarc LA-75	USA	Ar + 10%CO2			A5.28/A5.28M:2005
Lincoln Electric of Canada LP	ER62S-D2 (ER90S-D2)	Superarc LA-90	USA	Ar + 5%O2			A5.28/A5.28M:2005
Lincoln Electric of Canada LP	ER62S-D2 (ER90S-D2)	Superarc LA-90	Canada	Ar + 5%O2			A5.28/A5.28M:2005
Lincoln Electric of Canada LP	ER62S-D2 (ER90S-D2)	Superarc LA-90	Canada	Helistar CS			A5.28/A5.28M:2005
Lincoln Electric of Canada LP	ER62S-D2 (ER90S-D2)	Superarc LA-90	USA	Ar + 10%CO2			A5.28/A5.28M:2005
Lincoln Electric of Canada LP	ER62S-D2 (ER90S-D2)	Superarc LA-90	USA	Argoshield Light			A5.28/A5.28M:2005
Lincoln Electric of Canada LP	ER69S-G (ER100S-G)	Superarc LA-100	USA	Ar + 2%O2			A5.28/A5.28M:2005
Lincoln Electric of Canada LP	ER69S-G (ER100S-G)	Superarc LA-100	USA	Ar + 5%CO2			A5.28/A5.28M:2005
National Standard LLC	ER55S-D2 (ER80S-D2)	NS-102CF	USA	CO2	1.2		A5.28/A5.28M:2005
National Standard LLC	ER55S-D2 (ER80S-D2)	NS-102 {cu}	USA	CO2	1.2		A5.28/A5.28M:2005
Select-Arc Inc.	E55C-W2-H8 (E80C-W2-H8)	Select 80C-W	USA	Ar + 10%CO2			A5.28/A5.28M:2005
Select-Arc Inc.	E76C-K4-H4 (E110C-K4-H4)	SELECT 110C-K4	USA	Ar + 5%CO2	1.2	1.6	A5.28/A5.28M:2005
Select-Arc, Inc.	E76C-K4-H4 (E110C-K4-H4)	SELECT 110C-K4	USA	Ar + 20 to 25%CO2	1.2	1.6	A5.28/A5.28M:2005
Air Liquide Canada, Inc.	E551T1-Ni1CJ-H8 (E81T1-Ni1CJ-H8)	Blueshield LA T-91 C60 Ni1	USA	CO2			A5.29/A5.29M:2010
Air Liquide Canada, Inc.	E551T1-Ni1MJ-H8 (E81T1-Ni1MJ-H8)	Blueshield LA T-91 C60 Ni1	USA	Ar + 20 to 25%CO2			A5.29/A5.29M:2010
Air Liquide Canada, Inc.	E551T1-Ni2C-H8 (E81T1-Ni2C-H8)	Blueshield LA81T1-Ni2	USA	CO2			A5.29/A5.29M:2010
Air Liquide Canada, Inc.	E551T1-Ni2M-H8 (E81T1-Ni2M-H8)	Blueshield LA81T1-Ni2	USA	Ar + 20 to 25%CO2			A5.29/A5.29M:2010

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Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
Air Liquide Canada, Inc.	E551T1-W2C-H8 (E81T1-W2C-H8)	Blueshield LA81T1-W2	USA	CO2			A5.29/A5.29M:2010
Air Liquide Canada, Inc.	E551T1-W2M-H8 (E81T1-W2M-H8)	Blueshield LA81T1-W2	USA	Ar + 20 to 25%CO2			A5.29/A5.29M:2010
Air Liquide Canada, Inc.	E621T1-K2C-H8 (E91T1-K2C-H8)	Blueshield LA T-91 K2	USA	CO2		1.6	A5.29/A5.29M:2010
Air Liquide Canada, Inc.	E621T1-K2M-H8 (E91T1-K2M-H8)	Blueshield LA T-91 K2	USA	Ar + 15%CO2		1.6	A5.29/A5.29M:2010
Air Liquide Canada, Inc.	E761T1-K3M-H8 (E111T1-K3M-H8)	Blueshield LA 111T1-K3M	USA	Ar + 20 to 25%CO2			A5.29/A5.29M:2010
Arctec Alloys Limited	E551T1-Ni1M (E81T1-Ni1M)	FCS 224 N	Korea	Ar + 20 to 25%CO2			A5.29/A5.29M:2010
Arctec Alloys Limited	E551T1-Ni1M-H4 (E81T1-Ni1M-H4)	FCS 223 N	USA	Ar + 20 to 25%CO2			A5.29/A5.29M:2010
Controlled Products Group	E551T1-W2C-H8 (E81T1-W2C-H8)	Inco-Weld 810W	USA	CO2			A5.29/A5.29M:2010
Controlled Products Group	E551T1-W2M-H8 (E81T1-W2M-H8)	Inco-Weld 810W	USA	Ar + 20 to 25%CO2			A5.29/A5.29M:2010
Drahtzug Stein Wire & Welding GmbH & Drahtzug Stein Wire & Welding GmbH &	E551T-G-H4	Megafile 781R	Germany	Ar + 20 to 25%CO2			A5.29/A5.29M:2010
Drahtzug Stein Wire & Welding GmbH & Drahtzug Stein Wire & Welding GmbH &	E551T1-Ni1M-J-H4 (E81T1-Ni1M-J)	Megafile 821R	Germany	Ar + 20 to 25%CO2			A5.29/A5.29M:2010
ESAB Group, Inc./Alloy Rods	E551T1-Ni1M-H4 (E81T1-Ni1M-H4)	Dual Shield II 80-Ni1H4	USA	Ar + 20 to 25%CO2			A5.29/A5.29M:2010
ESAB Group, Inc./Alloy Rods	E551T1-Ni2C-H8 (E81T1-Ni2C-H8)	Dual Shield 8000-Ni2	USA	CO2			A5.29/A5.29M:2010
ESAB Group, Inc./Alloy Rods	E551T1-Ni2M-H8 (E81T1-Ni2M-H8)	Dual Shield 8000-Ni2	USA	Ar + 20 to 25%CO2			A5.29/A5.29M:2010
ESAB Group, Inc./Alloy Rods	E551T1-NiC-H16 (E81T1-NiC-H16)	Dual Shield 810X-Ni1	USA	CO2	1.2	1.6	A5.29/A5.29M:2010
ESAB Group, Inc./Alloy Rods	E551T1-W2C-H8 (E81T1-W2C-H8)	Dual Shield 8100-W	USA	CO2			A5.29/A5.29M:2010
ESAB Group, Inc./Alloy Rods	E760T5-K4C-H4 (E110T5-K4C-H4)	Dual Shield T-115	USA	CO2	2.4	2.4	A5.29/A5.29M:2010
ESAB Group, Inc./Alloy Rods	E760T5-K4M-H4 (E110T5-K4M-H4)	Dual Shield T-115	USA	Ar + 20 to 25%CO2	1.2	1.6	A5.29/A5.29M:2010
ESAB Group, Inc./Alloy Rods	E761T1-K3M-H4 (E111T1-K3M-H4)	Dual Shield II 110	USA	Ar + 20 to 25%CO2			A5.29/A5.29M:2010
Eagle Alloys Ltd.	E81T1-Ni1C-H8	Eagle 881 FGS	Korea	CO2	1.2	1.6	A5.29/A5.29M:2010
Eagle Alloys Ltd.	E81T1-Ni1M-H8 (E551T1-Ni1M-H8)	Eagle 881 FMG	Korea	Ar + 20 to 25%CO2	1.2	1.6	A5.29/A5.29M:2010
Eutectic Canada Inc.	E551T1-Ni1C-JH4 (E81T1-Ni1C-JH4)	Endotec Alloy DO*271S	Italy	CO2	1.2	1.6	A5.29/A5.29M:2010
Eutectic Canada Inc.	E551T1-Ni1M-JH4 (E81T1-Ni1M-JH4)	Endotec Alloy DO*271S	Italy	Ar + 20 to 25%CO2	1.2	1.6	A5.29/A5.29M:2010
Hobart Brothers Co., Tubular Wire Bu	E550T1-Ni1C-H8 (E80T1-Ni1C-H8)	Tri-mark TM-81N1	USA	CO2	1.6	2.4	A5.29/A5.29M:2010
Hobart Brothers Co., Tubular Wire Bu	E550T1-Ni1M-H8 (E80T1-Ni1M-H8)	Tri-mark TM-81N1	USA	Ar + 10%CO2	1.6	2.4	A5.29/A5.29M:2010
Hobart Brothers Co., Tubular Wire Bu	E551T1-B2C (E81T1-B2C)	Tri-mark TM-811B2	USA	CO2	1.1	1.6	A5.29/A5.29M:2010
Hobart Brothers Co., Tubular Wire Bu	E551T1-Ni2C-H8 (E81T1-Ni2C-H8)	Tri-mark TM-811N2	USA	CO2	1.2	1.6	A5.29/A5.29M:2010
Hobart Brothers Co., Tubular Wire Bu	E551T1-Ni2C-H8 (E81T1-Ni2C-H8)	Fabco 803	USA	CO2	1.2	1.6	A5.29/A5.29M:2010
Hobart Brothers Co., Tubular Wire Bu	E551T1-Ni2C-H8 (E81T1-Ni2C-H8)	Corex Verti-Cor 81Ni2	USA	CO2	1.2	1.6	A5.29/A5.29M:2010
Hobart Brothers Co., Tubular Wire Bu	E551T1-Ni2M-H8 (E81T1-Ni2M-H8)	Tri-mark TM-811N2	USA	Ar + 20 to 25%CO2	1.2	1.6	A5.29/A5.29M:2010
Hobart Brothers Co., Tubular Wire Bu	E551T1-Ni2M-H8 (E81T1-Ni2M-H8)	Fabco 803	USA	Ar + 20 to 25%CO2	1.2	1.6	A5.29/A5.29M:2010
Hobart Brothers Co., Tubular Wire Bu	E551T1-Ni2M-H8 (E81T1-Ni2M-H8)	Corex Verti-Cor 81Ni2	USA	Ar + 20 to 25%CO2	1.2	1.6	A5.29/A5.29M:2010
Hobart Brothers Co., Tubular Wire Bu	E621T1-K2C-H8 (E91T1-K2C-H8)	Tri-mark TM-991K2	USA	CO2	1.2	1.6	A5.29/A5.29M:2010
Hobart Brothers Co., Tubular Wire Bu	E760T5-K4C-H4 (E110T5-K4C-H4)	Fabco 115	USA	CO2	2.4	2.4	A5.29/A5.29M:2010
Hobart Brothers Co., Tubular Wire Bu	E761T1-K3MJ-H8 (E111T1-K3MJ-H8)	Fabco 110	USA	Ar + 20 to 25%CO2	1.2	1.4	A5.29/A5.29M:2010
Hyundai Welding Co., Ltd.	E551T1-Ni1M (E81T1-Ni1M)	Supercored 81MAG	Korea	Ar + 20 to 25%CO2			A5.29/A5.29M:2010
Kiswel Ltd.	E760T1-K3C-H8 (E110T1-K3C-H8)	K-110TK3	Korea	CO2	1.2	1.6	A5.29/A5.29M:2010
Kobe Steel, Ltd.	E551T1-B2C (E81T1-B2C)	DW-81B2	Japan	CO2			A5.29/A5.29M:2010
Kobe Steel, Ltd.	E551T1-B2M (E81T1-B2M)	DW-81B2	Japan	Ar + 20 to 25%CO2			A5.29/A5.29M:2010
Kobe Steel, Ltd.	E551T1-Ni1MJ-H8 (E81T1-Ni1MJ-H8)	DW-A81Ni1	Japan	Ar + 20 to 25%CO2			A5.29/A5.29M:2010
Kobe Steel, Ltd.	E621T1-B3C (E91T1-B3C)	DW-91B3	Japan	CO2			A5.29/A5.29M:2010
Kobe Steel, Ltd.	E621T1-B3M (E91T1-B3M)	DW-91B3	Japan	Ar + 20 to 25%CO2			A5.29/A5.29M:2010
Lincoln Electric of Canada LP	E491T8-Ni1-H16 (E71T8-Ni1-H16)	Innershield NR-203 Ni1%	USA		2.0	2.4	A5.29/A5.29M:2010
Lincoln Electric of Canada LP	E491TG-G-H16 (E71TG-G-H16)	Innershield NR-212	USA		1.1	2.4	A5.29/A5.29M:2010
Lincoln Electric of Canada LP	E551T1-Ni1C-JH4 (E81T1-Ni1C-JH4)	UltraCore 81Ni1C-H	USA	CO2	1.2	1.6	A5.29/A5.29M:2010
Lincoln Electric of Canada LP	E551T1-Ni1M-JH4 (E81T1-Ni1M-JH4)	UltraCore 81Ni1A75-H	USA	Ar + 20 to 25%CO2	1.2	1.6	A5.29/A5.29M:2010
Lincoln Electric of Canada LP	E551T1-Ni2C-JH4 (E81T1-Ni2C-JH4)	UltraCore 81Ni2C-H	USA	CO2	1.2	1.6	A5.29/A5.29M:2010

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Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
Lincoln Electric of Canada LP	E551T1-Ni2M-JH4 (E81T1-Ni2M-JH4)	UltraCore 81Ni2A75-H	USA	Ar + 20 to 25%CO2	1.2	1.6	A5.29/A5.29M:2010
Lincoln Electric of Canada LP	E81T1-K2C-JH4	UltraCore 81K2C-H	USA	CO2	1.6	1.6	A5.29/A5.29M:2010
Nippon Steel & Sumikin Welding Co.,	E551T1-GM-H4	Nittetsu SF-3AM	Japan	Ar + 20 to 25%CO2	1.2	1.6	A5.29/A5.29M:2010
Postle Industries, Inc.	E621T1-K2C-H8 (E91T1-K2C-H8)	Postalloy 3044 FCG	USA	CO2		1.6	A5.29/A5.29M:2010
Select-Arc Inc.	E551T1-W2C-H8 (E81T1-W2C-H8)	Select 810W	USA	CO2			A5.29/A5.29M:2010
Select-Arc Inc.	E551T1-W2M-H8 (E81T1-W2M-H8)	Select 810W	USA	Ar + 20 to 25%CO2			A5.29/A5.29M:2010
Tianjin Sainteagle Welding Co., Ltd.	E551T1-K2C (E81T1-K2C)	SQJ551K2	China	CO2	1.2	1.2	A5.29/A5.29M:2010
Trafilerie di Cittadella S.P.A.	E551T1-Ni1C-JH4 (E81T1-Ni1C-JH4)	Fileur ARS 10	Italy	CO2	1.2	1.6	A5.29/A5.29M:2010
Trafilerie di Cittadella S.P.A.	E551T1-Ni1M-JH4 (E81T1-Ni1M-JH4)	Fileur ARS 10	Italy	Ar + 20 to 25%CO2	1.2	1.6	A5.29/A5.29M:2010
Vanguard Steel Ltd.	E81T1-Ni1C-H8	Bonarc E 81T1 Ni1	Korea	CO2	1.2	1.6	A5.29/A5.29M:2010
Vanguard Steel Ltd.	E81T1-Ni1M-H8 (E551T1-Ni1M-H8)	Bonarc E 81T1 Ni1M	Korea	Ar + 20 to 25%CO2	1.2	1.6	A5.29/A5.29M:2010
Lincoln Electric of Canada LP	E10045-P2-H4R	Pipeliners LH-D100	USA		3.2	5.0	A5.5/A5.5M:2006
Lincoln Electric of Canada LP	E6218M-H4R (E9018M-H4R)	Excalibur 9018M MR	USA			5.0	A5.5/A5.5M:2006
Lincoln Electric of Canada LP	E7618-M-H4R (E11018M-H4R)	Excalibur 11018M MR	USA			5.0	A5.5/A5.5M:2006
Lincoln Electric of Canada LP	E8045-P2-H4R	Pipeliners LH-D80	USA		3.2	4.5	A5.5/A5.5M:2006
Lincoln Electric of Canada LP	E9015-B9-H4R	Excalibur 9015-B9 MR	USA			4.0	A5.5/A5.5M:2006
Lincoln Electric of Canada LP	E9045-P2-H4R	Pipeliners LH-D90	USA		3.2	4.5	A5.5/A5.5M:2006
National Standard LLC	ERCuSi-A	NS-656	USA				A5.7-84R
Techalloy Welding Products, Baltimor	ERCuNi	Techalloy 413	USA				A5.7/A5.7M:2007
Air Liquide Canada, Inc.	ER308H	Blueshield 640-308H	Taiwan				A5.9/A5.9M:2006
Air Liquide Canada, Inc.	ER308L	Blueshield 640-308L	Canada				A5.9/A5.9M:2006
Air Liquide Canada, Inc.	ER308L	Blueshield 630-308L	Canada				A5.9/A5.9M:2006
Air Liquide Canada, Inc.	ER308L	Blueshield 630-308L	Taiwan				A5.9/A5.9M:2006
Air Liquide Canada, Inc.	ER308LSi	Blueshield 640-308L Hi SiL	Canada				A5.9/A5.9M:2006
Air Liquide Canada, Inc.	ER308LSi	Blueshield 640-308L HiSiL	Taiwan				A5.9/A5.9M:2006
Air Liquide Canada, Inc.	ER309L	Blueshield 630-309L	Canada				A5.9/A5.9M:2006
Air Liquide Canada, Inc.	ER309L	Blueshield 640-309L	Canada				A5.9/A5.9M:2006
Air Liquide Canada, Inc.	ER309L	Blueshield 630-309L	Taiwan				A5.9/A5.9M:2006
Air Liquide Canada, Inc.	ER309LSi	Blueshield 640-309L Hi SiL	Canada				A5.9/A5.9M:2006
Air Liquide Canada, Inc.	ER309LSi	Blueshield 640-309L HiSiL	Taiwan				A5.9/A5.9M:2006
Air Liquide Canada, Inc.	ER316L	Blueshield 640-316L	Canada				A5.9/A5.9M:2006
Air Liquide Canada, Inc.	ER316L	Blueshield 630-316L	Canada				A5.9/A5.9M:2006
Air Liquide Canada, Inc.	ER316L	Blueshield 630-316L	Taiwan				A5.9/A5.9M:2006
Air Liquide Canada, Inc.	ER316LSi	Blueshield 640-316L Hi SiL	Canada				A5.9/A5.9M:2006
Air Liquide Canada, Inc.	ER316LSi	Blueshield 640-316L HiSiL	Taiwan				A5.9/A5.9M:2006
Air Liquide Canada, Inc.	ER317L	Blueshield 640-317L	Taiwan				A5.9/A5.9M:2006
Air Liquide Canada, Inc.	ER409Nb	Blueshield 640-409Cb	Taiwan				A5.9/A5.9M:2006
Avesta Welding LLC	ER308H	ER308H	Taiwan				A5.9/A5.9M:2006
Avesta Welding LLC	ER308L	ER308/308L	Taiwan				A5.9/A5.9M:2006
Avesta Welding LLC	ER308LSi	ER308Si/308LSi	Taiwan				A5.9/A5.9M:2006
Avesta Welding LLC	ER309L	ER309/309L	Taiwan				A5.9/A5.9M:2006
Avesta Welding LLC	ER309LSi	ER309Si/309LSi	Taiwan				A5.9/A5.9M:2006
Avesta Welding LLC	ER316L	ER316/316L	Taiwan				A5.9/A5.9M:2006
Avesta Welding LLC	ER316LSi	ER316Si/316LSi	Taiwan				A5.9/A5.9M:2006
Avesta Welding LLC	ER317L	ER317L	Taiwan				A5.9/A5.9M:2006
Avesta Welding LLC	ER409Nb	ER409Cb	Taiwan				A5.9/A5.9M:2006
Böhler Schweißtechnik Deutschland G	ER308L	Thermanit JE-308L	Germany				A5.9/A5.9M:2006

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Böhler Schweisstechnik Deutschland G	ER308LSi	Thermanit JE-308L Si	Germany				A5.9/A5.9M:2006
Böhler Schweisstechnik Deutschland G	ER309L	Thermanit 25/14 E309L	Germany				A5.9/A5.9M:2006
Böhler Schweisstechnik Deutschland G	ER309LSi	Thermanit 25/14 E-309L Si	Germany				A5.9/A5.9M:2006
Böhler Schweisstechnik Deutschland G	ER316L	Thermanit GE-316L	Germany				A5.9/A5.9M:2006
Böhler Schweisstechnik Deutschland G	ER316LSi	Thermanit GE-316L Si	Germany				A5.9/A5.9M:2006
Central Wire Industries Ltd.	ER2209	ER2209	Canada				A5.9/A5.9M:2006
Central Wire Industries Ltd.	ER308	ER308	Canada				A5.9/A5.9M:2006
Central Wire Industries Ltd.	ER308L	ER308L	Canada				A5.9/A5.9M:2006
Central Wire Industries Ltd.	ER308LSi	ER308LSi	Canada				A5.9/A5.9M:2006
Central Wire Industries Ltd.	ER309L	ER309L	Canada				A5.9/A5.9M:2006
Central Wire Industries Ltd.	ER309LSi	ER309LSi	Canada				A5.9/A5.9M:2006
Central Wire Industries Ltd.	ER310	ER310	Canada				A5.9/A5.9M:2006
Central Wire Industries Ltd.	ER312	ER312	Canada				A5.9/A5.9M:2006
Central Wire Industries Ltd.	ER316L	ER316L	Canada				A5.9/A5.9M:2006
Central Wire Industries Ltd.	ER316LSi	ER316LSi	Canada				A5.9/A5.9M:2006
Central Wire Industries Ltd.	ER317L	ER317L	Canada				A5.9/A5.9M:2006
Central Wire Industries Ltd.	ER330	ER330	Canada				A5.9/A5.9M:2006
Central Wire Industries Ltd.	ER347	ER347	Canada				A5.9/A5.9M:2006
Central Wire Industries Ltd.	ER409Nb	ER409Cb	Canada				A5.9/A5.9M:2006
Changzhou Huatong Welding Wire Co. L	ER307	ER307	China				A5.9/A5.9M:2006
Changzhou Huatong Welding Wire Co. L	ER308L	ER308L	China				A5.9/A5.9M:2006
Changzhou Huatong Welding Wire Co. L	ER308LSi	ER308LSi	China				A5.9/A5.9M:2006
Changzhou Huatong Welding Wire Co. L	ER309L	ER309L	China				A5.9/A5.9M:2006
Changzhou Huatong Welding Wire Co. L	ER309LSi	ER309LSi	China				A5.9/A5.9M:2006
Changzhou Huatong Welding Wire Co. L	ER316L	ER316L	China				A5.9/A5.9M:2006
Changzhou Huatong Welding Wire Co. L	ER316LSi	ER316LSi	China				A5.9/A5.9M:2006
Controlled Products Group	ER2209	Inco-Weld ER2209	Brazil				A5.9/A5.9M:2006
Controlled Products Group	ER2209	Inco-Weld 2209	Canada				A5.9/A5.9M:2006
Controlled Products Group	ER308L	Inco-Weld 308L	Switzerland				A5.9/A5.9M:2006
Controlled Products Group	ER308L	Inco-Weld 308L	Canada				A5.9/A5.9M:2006
Controlled Products Group	ER308L	Inco-Weld ER308L	Brazil				A5.9/A5.9M:2006
Controlled Products Group	ER308LSi	Inco-Weld 308L Si	Switzerland				A5.9/A5.9M:2006
Controlled Products Group	ER308LSi	Inco-Weld ER308LSi	Brazil				A5.9/A5.9M:2006
Controlled Products Group	ER308LSi	Inco-Weld 308LSi	Canada				A5.9/A5.9M:2006
Controlled Products Group	ER309L	Inco-Weld 309L	Switzerland				A5.9/A5.9M:2006
Controlled Products Group	ER309L	Inco-Weld 309L	Canada				A5.9/A5.9M:2006
Controlled Products Group	ER309L	Inco-Weld ER309L	Brazil				A5.9/A5.9M:2006
Controlled Products Group	ER309LSi	Inco-Weld 309L Si	Switzerland				A5.9/A5.9M:2006
Controlled Products Group	ER309LSi	Inco-Weld ER309LSi	Brazil				A5.9/A5.9M:2006
Controlled Products Group	ER309LSi	Inco-Weld 309LSi	Canada				A5.9/A5.9M:2006
Controlled Products Group	ER310	Inco-Weld ER310	Brazil				A5.9/A5.9M:2006
Controlled Products Group	ER312	Inco-Weld ER312	Brazil				A5.9/A5.9M:2006
Controlled Products Group	ER316L	Inco-Weld 316L	Switzerland				A5.9/A5.9M:2006
Controlled Products Group	ER316L	Inco-Weld 316L	Canada				A5.9/A5.9M:2006
Controlled Products Group	ER316L	Inco-Weld ER316L	Brazil				A5.9/A5.9M:2006
Controlled Products Group	ER316LSi	Inco-Weld 316L Si	Switzerland				A5.9/A5.9M:2006
Controlled Products Group	ER316LSi	Inco-Weld ER316LSi	Brazil				A5.9/A5.9M:2006

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Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
Controlled Products Group	ER316LSi	Inco-Weld 316LSi	Canada				A5.9/A5.9M:2006
Controlled Products Group	ER317L	Inco-Weld ER317L	Brazil				A5.9/A5.9M:2006
Controlled Products Group	ER317L	Inco-Weld 317L	Canada				A5.9/A5.9M:2006
Controlled Products Group	ER347	Inco-Weld ER347	Brazil				A5.9/A5.9M:2006
Controlled Products Group	ER347	Inco-Weld 347	Canada				A5.9/A5.9M:2006
Controlled Products Group	ER385	Inco-Weld ER385	Brazil				A5.9/A5.9M:2006
Controlled Products Group	ER409Nb	Inco-Weld 409Cb	Switzerland				A5.9/A5.9M:2006
Controlled Products Group	ER409Nb	Inco-Weld ER409Cb	Switzerland				A5.9/A5.9M:2006
Controlled Products Group	ER409Nb	Inco-Weld 409Cb	Canada				A5.9/A5.9M:2006
ESAB AB	ER308L	OK Tigrod 308L	Czech Republic				A5.9/A5.9M:2006
ESAB AB	ER308LSi	OK Autrod 308LSi	Czech Republic				A5.9/A5.9M:2006
ESAB AB	ER309L	OK Tigrod 309L	Czech Republic				A5.9/A5.9M:2006
ESAB AB	ER309LSi	OK Autrod 309LSi	Czech Republic				A5.9/A5.9M:2006
ESAB AB	ER316L	OK Tigrod 316L	Czech Republic				A5.9/A5.9M:2006
ESAB AB	ER316LSi	OK Autrod 316LSi	Czech Republic				A5.9/A5.9M:2006
ESAB Group, Inc./Alloy Rods	EC308	Arcaloy MC308L	USA				A5.9/A5.9M:2006
ESAB Group, Inc./Alloy Rods	EC308L	Arcaloy MC308L	USA				A5.9/A5.9M:2006
ESAB Group, Inc./Alloy Rods	EC309	Arcaloy MC309L	USA				A5.9/A5.9M:2006
ESAB Group, Inc./Alloy Rods	EC309L	Arcaloy MC309L	USA				A5.9/A5.9M:2006
ESAB Group, Inc./Alloy Rods	EC316	Arcaloy MC316L	USA				A5.9/A5.9M:2006
ESAB Group, Inc./Alloy Rods	EC316L	Arcaloy MC316L	USA				A5.9/A5.9M:2006
ESAB Group, Inc./Alloy Rods	ER308	Arcaloy ER308L	USA				A5.9/A5.9M:2006
ESAB Group, Inc./Alloy Rods	ER308L	Arcaloy ER308L	USA				A5.9/A5.9M:2006
ESAB Group, Inc./Alloy Rods	ER308LSi	Arcaloy ER308LSi	USA				A5.9/A5.9M:2006
ESAB Group, Inc./Alloy Rods	ER308Si	Arcaloy ER308LSi	USA				A5.9/A5.9M:2006
ESAB Group, Inc./Alloy Rods	ER309	Arcaloy ER309L	USA				A5.9/A5.9M:2006
ESAB Group, Inc./Alloy Rods	ER309L	Arcaloy ER309L	USA				A5.9/A5.9M:2006
ESAB Group, Inc./Alloy Rods	ER309LSi	Arcaloy ER309LSi	USA				A5.9/A5.9M:2006
ESAB Group, Inc./Alloy Rods	ER309Si	Arcaloy ER309LSi	USA				A5.9/A5.9M:2006
ESAB Group, Inc./Alloy Rods	ER316	Arcaloy ER316L	USA				A5.9/A5.9M:2006
ESAB Group, Inc./Alloy Rods	ER316L	Arcaloy ER316L	USA				A5.9/A5.9M:2006
ESAB Group, Inc./Alloy Rods	ER316LSi	Arcaloy ER316LSi	USA				A5.9/A5.9M:2006
ESAB Group, Inc./Alloy Rods	ER316Si	Arcaloy ER316LSi	USA				A5.9/A5.9M:2006
ESAB Group, Inc./Alloy Rods	ER347	Arcaloy ER347	USA				A5.9/A5.9M:2006
Exocor	ER308L	Executive 308L	Taiwan				A5.9/A5.9M:2006
Exocor	ER308LSi	Exocor 308LSi	Canada				A5.9/A5.9M:2006
Exocor	ER308LSi	Executive 308LSi	Taiwan				A5.9/A5.9M:2006
Exocor	ER309L	Executive 309L	Taiwan				A5.9/A5.9M:2006
Exocor	ER309LSi	Exocor 309LSi	Canada				A5.9/A5.9M:2006
Exocor	ER309LSi	Executive 309LSi	Taiwan				A5.9/A5.9M:2006
Exocor	ER316L	Executive 316L	Taiwan				A5.9/A5.9M:2006
Exocor	ER316LSi	Exocor ER316LSi	Canada				A5.9/A5.9M:2006
Exocor	ER316LSi	Executive 316LSi	Taiwan				A5.9/A5.9M:2006
Exocor	ER409Nb	Executive 409Cb	Taiwan				A5.9/A5.9M:2006
Kuang Tai Metal Ind. Co. Ltd.	ER308H	KMS-308H	Taiwan				A5.9/A5.9M:2006
Kuang Tai Metal Ind. Co. Ltd.	ER308L	KTS-308L	Taiwan				A5.9/A5.9M:2006
Kuang Tai Metal Ind. Co. Ltd.	ER308LSi	KMS-308LSi	Taiwan				A5.9/A5.9M:2006

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Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
Kuang Tai Metal Ind. Co. Ltd.	ER309L	KTS-309L	Taiwan				A5.9/A5.9M:2006
Kuang Tai Metal Ind. Co. Ltd.	ER309LSi	KMS-309LSi	Taiwan				A5.9/A5.9M:2006
Kuang Tai Metal Ind. Co. Ltd.	ER316L	KTS-316L	Taiwan				A5.9/A5.9M:2006
Kuang Tai Metal Ind. Co. Ltd.	ER316LSi	KMS-316LSi	Taiwan				A5.9/A5.9M:2006
Kuang Tai Metal Ind. Co. Ltd.	ER317L	KMS-317L	Taiwan				A5.9/A5.9M:2006
Kuang Tai Metal Ind. Co. Ltd.	ER409Nb	KMS-409Cb / KMS 409Nb	Taiwan				A5.9/A5.9M:2006
Lincoln Electric of Canada LP	EC409	Outershield MC-409	USA		1.2	1.6	A5.9/A5.9M:2006
Lincoln Electric of Canada LP	ER308L	Blue Max S308/308L	USA				A5.9/A5.9M:2006
Lincoln Electric of Canada LP	ER308L	Murex 308L	Switzerland				A5.9/A5.9M:2006
Lincoln Electric of Canada LP	ER308L	Lincolnweld 308/308L	USA				A5.9/A5.9M:2006
Lincoln Electric of Canada LP	ER308LSi	Blue Max Mig 308L Si	USA				A5.9/A5.9M:2006
Lincoln Electric of Canada LP	ER308LSi	Murex 308LSi	Taiwan				A5.9/A5.9M:2006
Lincoln Electric of Canada LP	ER308LSi	Murex 308L Si	Switzerland				A5.9/A5.9M:2006
Lincoln Electric of Canada LP	ER309L	Blue Max S309/309L	USA				A5.9/A5.9M:2006
Lincoln Electric of Canada LP	ER309L	Murex 309L	Switzerland				A5.9/A5.9M:2006
Lincoln Electric of Canada LP	ER309L	Lincolnweld 309/309L	USA				A5.9/A5.9M:2006
Lincoln Electric of Canada LP	ER309LSi	Blue Max Mig 309L Si	USA				A5.9/A5.9M:2006
Lincoln Electric of Canada LP	ER309LSi	Murex 309LSi	Taiwan				A5.9/A5.9M:2006
Lincoln Electric of Canada LP	ER309LSi	Murex 309L Si	Switzerland				A5.9/A5.9M:2006
Lincoln Electric of Canada LP	ER316L	Blue Max S316/316L	USA				A5.9/A5.9M:2006
Lincoln Electric of Canada LP	ER316L	Murex 316L	Switzerland				A5.9/A5.9M:2006
Lincoln Electric of Canada LP	ER316L	Lincolnweld 316/316L	USA				A5.9/A5.9M:2006
Lincoln Electric of Canada LP	ER316LSi	Blue Max Mig 316L Si	USA				A5.9/A5.9M:2006
Lincoln Electric of Canada LP	ER316LSi	Murex 316LSi	Taiwan				A5.9/A5.9M:2006
Lincoln Electric of Canada LP	ER316LSi	Murex 316L Si	Switzerland				A5.9/A5.9M:2006
Map Canada Ltd.	ER307	Super MIG 307SS	China				A5.9/A5.9M:2006
Map Canada Ltd.	ER308L	Super MIG 308L	China				A5.9/A5.9M:2006
Map Canada Ltd.	ER308LSi	Super Mig 308LSi	China				A5.9/A5.9M:2006
Map Canada Ltd.	ER309L	Super MIG 309L	China				A5.9/A5.9M:2006
Map Canada Ltd.	ER309LSi	Super Mig 309LSi	China				A5.9/A5.9M:2006
Map Canada Ltd.	ER316L	Super MIG 316L	China				A5.9/A5.9M:2006
Map Canada Ltd.	ER316LSi	Super Mig 316LSi	China				A5.9/A5.9M:2006
National Standard LLC	ER308L	308L	USA				A5.9/A5.9M:2006
National Standard LLC	ER308LSi	308LHS	USA				A5.9/A5.9M:2006
National Standard LLC	ER309L	309L	USA				A5.9/A5.9M:2006
National Standard LLC	ER309LSi	309LHS	USA				A5.9/A5.9M:2006
National Standard LLC	ER316L	316L	USA				A5.9/A5.9M:2006
National Standard LLC	ER316LSi	316LHS	USA				A5.9/A5.9M:2006
National Standard LLC	ER409Nb	409Cb	USA				A5.9/A5.9M:2006
Novametal S.A.	ER2209	NMS 1.4462	Switzerland				A5.9/A5.9M:2006
Novametal S.A.	ER308H	NMS 308H	Switzerland				A5.9/A5.9M:2006
Novametal S.A.	ER308L	NMS 308AWS	Switzerland				A5.9/A5.9M:2006
Novametal S.A.	ER308LSi	NMS 308L Si	Switzerland				A5.9/A5.9M:2006
Novametal S.A.	ER309	NMS 309H	Switzerland				A5.9/A5.9M:2006
Novametal S.A.	ER309L	NMS 309L	Switzerland				A5.9/A5.9M:2006
Novametal S.A.	ER309LSi	NMS 309L Si	Switzerland				A5.9/A5.9M:2006
Novametal S.A.	ER310	NMS 310	Switzerland				A5.9/A5.9M:2006

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Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
Novametal S.A.	ER312	NMS 312	Switzerland				A5.9/A5.9M:2006
Novametal S.A.	ER316H	NMS 316H	Switzerland				A5.9/A5.9M:2006
Novametal S.A.	ER316L	NMS 316AWS	Switzerland				A5.9/A5.9M:2006
Novametal S.A.	ER316LSi	NMS 316L Si	Switzerland				A5.9/A5.9M:2006
Novametal S.A.	ER317L	NMS 317L	Switzerland				A5.9/A5.9M:2006
Novametal S.A.	ER347	NMS 347	Switzerland				A5.9/A5.9M:2006
Novametal S.A.	ER347Si	NMS 347 Si	Switzerland				A5.9/A5.9M:2006
Novametal S.A.	ER385	NMS 904L	Switzerland				A5.9/A5.9M:2006
Novametal S.A.	ER409Nb	NMS 409	Switzerland				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER2209	NMS 1.4462	Switzerland				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER2209	NMS 1.4462	Brazil				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER308H	NMS 308H	Switzerland				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER308H	NMS 308H	Brazil				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER308L	NMS 308AWS	Switzerland				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER308L	NMS 308AWS	Brazil				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER308LSi	NMS 308L Si	Switzerland				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER308LSi	NMS 308LSi	Brazil				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER309	NMS 309H	Switzerland				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER309L	NMS 309L	Switzerland				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER309L	NMS 309L	Brazil				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER309LSi	NMS 309L Si	Switzerland				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER309LSi	NMS 309LSi	Brazil				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER310	NMS 310	Switzerland				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER310	NMS 310	Brazil				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER312	NMS 312	Switzerland				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER312	NMS 312	Brazil				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER316H	NMS 316H	Switzerland				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER316L	NMS 316AWS	Switzerland				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER316L	NMS 316AWS	Brazil				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER316LSi	NMS 316L Si	Switzerland				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER316LSi	NMS 316LSi	Brazil				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER317L	NMS 317L	Switzerland				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER317L	NMS 317L	Brazil				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER347	NMS 347	Switzerland				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER347	NMS 347	Brazil				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER347Si	NMS 347 Si	Switzerland				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER347Si	NMS 347Si	Brazil				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER385	NMS 904L	Switzerland				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER385	NMS 904L	Brazil				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER409Nb	NMS 409	Switzerland				A5.9/A5.9M:2006
Novametal do Brasil Ltda	ER420	NMS 420 C	Brazil				A5.9/A5.9M:2006
Praxair Canada Inc.	ER308L	308L	USA				A5.9/A5.9M:2006
Praxair Canada Inc.	ER308L	308LSi	USA				A5.9/A5.9M:2006
Praxair Canada Inc.	ER309L	309L	USA				A5.9/A5.9M:2006
Praxair Canada Inc.	ER309L	309LSi	USA				A5.9/A5.9M:2006
Praxair Canada Inc.	ER316L	316L	USA				A5.9/A5.9M:2006
Praxair Canada Inc.	ER316L	316LSi	USA				A5.9/A5.9M:2006

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Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
Raajratna Metal Industries Limited	ER308L	Raaj ER308L	India				A5.9/A5.9M:2006
Raajratna Metal Industries Limited	ER308LSi	Raaj ER308LSi	India				A5.9/A5.9M:2006
Raajratna Metal Industries Limited	ER309L	Raaj ER309L	India				A5.9/A5.9M:2006
Raajratna Metal Industries Limited	ER309LSi	Raaj ER309LSi	India				A5.9/A5.9M:2006
Raajratna Metal Industries Limited	ER316L	Raaj ER316L	India				A5.9/A5.9M:2006
Raajratna Metal Industries Limited	ER316LSi	Raaj ER316LSi	India				A5.9/A5.9M:2006
Rodacciai S.P.A.	ER308L	RW 308 LAWS	Italy				A5.9/A5.9M:2006
Rodacciai S.P.A.	ER308LSi	RW 308 LSi	Italy				A5.9/A5.9M:2006
Rodacciai S.P.A.	ER309L	RW 309 L	Italy				A5.9/A5.9M:2006
Rodacciai S.P.A.	ER309LSi	RW 309 LSi	Italy				A5.9/A5.9M:2006
Rodacciai S.P.A.	ER316L	RW 316 LAWS	Italy				A5.9/A5.9M:2006
Rodacciai S.P.A.	ER316LSi	RW 316 LSi	Italy				A5.9/A5.9M:2006
SCN Industrial	ER308LSi	Weld-Mate Mig 308L	Italy				A5.9/A5.9M:2006
SCN Industrial	ER309LSi	Weld-Mate Mig 309L	Italy				A5.9/A5.9M:2006
SCN Industrial	ER316LSi	Weld-Mate Mig 316L	Italy				A5.9/A5.9M:2006
Sandvik Materials Technology	ER308L	308/308L	USA				A5.9/A5.9M:2006
Sandvik Materials Technology	ER308LSi	308Si/308LSi	USA				A5.9/A5.9M:2006
Sandvik Materials Technology	ER309L	309/309L	USA				A5.9/A5.9M:2006
Sandvik Materials Technology	ER309LSi	309Si/309LSi	USA				A5.9/A5.9M:2006
Sandvik Materials Technology	ER316L	316/316L	USA				A5.9/A5.9M:2006
Sandvik Materials Technology	ER316LSi	316Si/316LSi	USA				A5.9/A5.9M:2006
Sandvik Materials Technology	ER317L	317/317L	USA				A5.9/A5.9M:2006
Sandvik Materials Technology	ER347	347	USA				A5.9/A5.9M:2006
Select-Arc Inc.	EC308L	SelectAlloy 308L-C Stainless	USA				A5.9/A5.9M:2006
Select-Arc Inc.	EC308LSi	SelectAlloy 308LSi-C Stainless	USA				A5.9/A5.9M:2006
Select-Arc Inc.	EC309L	SelectAlloy 309L-C Stainless	USA				A5.9/A5.9M:2006
Select-Arc Inc.	EC316L	SelectAlloy 316L-C Stainless	USA				A5.9/A5.9M:2006
Selectarc Industries S.A.S.	ER308L	Selectarc TIG 308L	Italy				A5.9/A5.9M:2006
Selectarc Industries S.A.S.	ER308LSi	Selectarc MIG 308LSi	Italy				A5.9/A5.9M:2006
Selectarc Industries S.A.S.	ER309L	Selectarc TIG 309L	Italy				A5.9/A5.9M:2006
Selectarc Industries S.A.S.	ER309LSi	Selectarc MIG 309LSi	Italy				A5.9/A5.9M:2006
Selectarc Industries S.A.S.	ER316L	Selectarc TIG 316L	Italy				A5.9/A5.9M:2006
Selectarc Industries S.A.S.	ER316LSi	Selectarc MIG 316LSi	Italy				A5.9/A5.9M:2006
Sodel Limitee	ER308L	ER 308L	Canada				A5.9/A5.9M:2006
Sodel Limitee	ER308LSi	Mig or Tig 308LHS	Canada				A5.9/A5.9M:2006
Sodel Limitee	ER309L	ER 309L	Canada				A5.9/A5.9M:2006
Sodel Limitee	ER316L	ER 316L	Canada				A5.9/A5.9M:2006
Sodel Limitee	ER316LSi	Mig or Tig 316LHS	Canada				A5.9/A5.9M:2006
Techalloy Welding Products, Baltimor	ER2209	Techalloy 2209	USA				A5.9/A5.9M:2006
Techalloy Welding Products, Baltimor	ER308	Techalloy 308/308L	USA				A5.9/A5.9M:2006
Techalloy Welding Products, Baltimor	ER308L	Techalloy 308/308L	USA				A5.9/A5.9M:2006
Techalloy Welding Products, Baltimor	ER308LSi	Techalloy 308LHS	USA				A5.9/A5.9M:2006
Techalloy Welding Products, Baltimor	ER309	Techalloy 309/309L	USA				A5.9/A5.9M:2006
Techalloy Welding Products, Baltimor	ER309L	Techalloy 309/309L	USA				A5.9/A5.9M:2006
Techalloy Welding Products, Baltimor	ER309LSi	Techalloy 309LHS	USA				A5.9/A5.9M:2006
Techalloy Welding Products, Baltimor	ER310	Techalloy 310	USA				A5.9/A5.9M:2006
Techalloy Welding Products, Baltimor	ER312	Techalloy 312	USA				A5.9/A5.9M:2006

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Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
Techalloy Welding Products, Baltimor	ER316	Techalloy 316/316L	USA				A5.9/A5.9M:2006
Techalloy Welding Products, Baltimor	ER316L	Techalloy 316/316L	USA				A5.9/A5.9M:2006
Techalloy Welding Products, Baltimor	ER316LSi	Techalloy 316LHS	USA				A5.9/A5.9M:2006
Techalloy Welding Products, Baltimor	ER317L	Techalloy 317L	USA				A5.9/A5.9M:2006
Techalloy Welding Products, Baltimor	ER320LR	Techalloy 320LR	USA				A5.9/A5.9M:2006
Techalloy Welding Products, Baltimor	ER347	Techalloy 347	USA				A5.9/A5.9M:2006
Techalloy Welding Products, Baltimor	ER630	Techalloy 630	USA				A5.9/A5.9M:2006
Techniweld Products Corporation	ER308L	Unibraze ER308L	Canada				A5.9/A5.9M:2006
Techniweld Products Corporation	ER308L	Powerweld ER308L	China				A5.9/A5.9M:2006
Techniweld Products Corporation	ER309L	Unibraze ER309L	Canada				A5.9/A5.9M:2006
Techniweld Products Corporation	ER309L	Powerweld ER309L	China				A5.9/A5.9M:2006
Techniweld Products Corporation	ER316L	Unibraze ER316L	Canada				A5.9/A5.9M:2006
Techniweld Products Corporation	ER316L	Powerweld ER316L	China				A5.9/A5.9M:2006
Vanguard Steel Limited	ER308L	ER308L	China				A5.9/A5.9M:2006
Vanguard Steel Limited	ER308LSi	Bonarc ER308L Hi Si (TIG)	Korea				A5.9/A5.9M:2006
Vanguard Steel Limited	ER308LSi	Bonarc ER308L Hi Si (MIG)	Korea				A5.9/A5.9M:2006
Vanguard Steel Limited	ER309L	ER309L	China				A5.9/A5.9M:2006
Vanguard Steel Limited	ER316L	ER316L	China				A5.9/A5.9M:2006
Venus Wire Industries PVT Ltd.	ER308L	Venus 308L TIG	India				A5.9/A5.9M:2006
Venus Wire Industries PVT Ltd.	ER308LSi	Venus 308LSi MIG	India				A5.9/A5.9M:2006
Venus Wire Industries PVT Ltd.	ER309L	Venus 309L TIG	India				A5.9/A5.9M:2006
Venus Wire Industries PVT Ltd.	ER309LSi	Venus 309LSi MIG	India				A5.9/A5.9M:2006
Venus Wire Industries PVT Ltd.	ER316L	Venus 316L TIG	India				A5.9/A5.9M:2006
Venus Wire Industries PVT Ltd.	ER316LSi	Venus 316LSi MIG	India				A5.9/A5.9M:2006
Sandvik Materials Technology	ER307	307	USA				ISO 14343:2002
2072902 Ontario Ltd.	B-G 49A 2 C G3 (ER49S-3)	Trico S3 {cu}	Italy	CO2	0.8		W48-06
2072902 Ontario Ltd.	B-G 49A 2 C G3 (ER49S-3)	Smoothweld S3 {cu}	Italy	CO2	0.8		W48-06
2072902 Ontario Ltd.	B-G 49A 2 C G3 (ER49S-3)	Robowire S3 {cu}	Italy	CO2	0.8		W48-06
2072902 Ontario Ltd.	B-G 49A 2 C G3 (ER49S-3)	Supersmoothweld S3 {cu}	Italy	CO2	0.8		W48-06
2072902 Ontario Ltd.	B-G 49A 3 C G6 (ER49S-6)	Smoothweld S6 {cu}	Italy	CO2	0.6		W48-06
2072902 Ontario Ltd.	B-G 49A 3 C G6 (ER49S-6)	Smoothweld S6 {cu}	Italy	CO2	0.8		W48-06
2072902 Ontario Ltd.	B-G 49A 3 C G6 (ER49S-6)	Trico S6 {cu}	Italy	CO2	0.08		W48-06
2072902 Ontario Ltd.	B-G 49A 3 C G6 (ER49S-6)	Robowire S6 {cu}	Italy	CO2	0.8		W48-06
2072902 Ontario Ltd.	B-G 49A 3 C G6 (ER49S-6)	Supersmoothweld S6 {cu}	Italy	CO2	0.8		W48-06
2072902 Ontario Ltd.	E492T-9-H8	Super Slag 70	USA	CO2	1.2	2.4	W48-06
2072902 Ontario Ltd.	E492T-9M-H8	Super Slag 70	USA	Ar + 20 to 25%CO2	1.2	2.4	W48-06
Air Liquide Canada, Inc.	B-G 49A 2 C G3 (ER49S-3)	Blueshield LA S-3 {cu}	Canada	CO2	0.9		W48-06
Air Liquide Canada, Inc.	B-G 49A 2 C G3 (ER49S-3)	Optiweld OPT S-3 {cu}	Canada	CO2	0.9		W48-06
Air Liquide Canada, Inc.	B-G 49A 2 C G3 (ER49S-3)	Blueshield Straightweld S3 {cu}	Canada	CO2	0.9		W48-06
Air Liquide Canada, Inc.	B-G 49A 2 C G3 (ER49S-3)	Blueshield LA ECO S-3 {cu}	Canada	CO2	0.9		W48-06
Air Liquide Canada, Inc.	B-G 49A 5 C G6 (ER49S-6)	Blueshield LA S-6 {cu}	Canada	CO2	0.8		W48-06
Air Liquide Canada, Inc.	B-G 49A 5 C G6 (ER49S-6)	Optiweld OPT S-6 {cu}	Canada	CO2	0.8		W48-06
Air Liquide Canada, Inc.	B-G 49A 5 C G6 (ER49S-6)	Blueshield Straightweld S6 {cu}	Canada	CO2	0.8		W48-06
Air Liquide Canada, Inc.	B-G 49A 5 C G6 (ER49S-6)	Blueshield LA ECO S-6 {cu}	Canada	CO2	0.8		W48-06
Air Liquide Canada, Inc.	B-G 49A 5 M G6 (ER49S-6)	Blueshield LA S-6 {cu}	Canada	Arcal 14	0.8		W48-06
Air Liquide Canada, Inc.	B-G 49A 5 M G6 (ER49S-6)	Optiweld OPT S-6 {cu}	Canada	Arcal 14	0.8		W48-06
Air Liquide Canada, Inc.	B-G 49A 5 M G6 (ER49S-6)	Blueshield Straightweld S6 {cu}	Canada	Arcal 14	0.8		W48-06

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Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
Air Liquide Canada, Inc.	B-G 49A 5 M G6 (ER49S-6)	Blueshield LA ECO S-6 {cu}	Canada	Arcal 14	0.8		W48-06
Air Liquide Canada, Inc.	E4310	LA 6010	Canada	N/A		5.0	W48-06
Air Liquide Canada, Inc.	E4311	LA Ultra 11	Canada	N/A		5.0	W48-06
Air Liquide Canada, Inc.	E4311	Optiweld Opt-11	Canada	N/A		5.0	W48-06
Air Liquide Canada, Inc.	E4313	LA 6013	Canada	N/A			W48-06
Air Liquide Canada, Inc.	E4313	Optiweld Opt-13	Canada	N/A			W48-06
Air Liquide Canada, Inc.	E4313	Oerlikon OE 6013	Canada	N/A			W48-06
Air Liquide Canada, Inc.	E4914	LA 7014	Canada	N/A			W48-06
Air Liquide Canada, Inc.	E4914	Optiweld Opt-14	Canada	N/A			W48-06
Air Liquide Canada, Inc.	E4918-1-H4	Nuclearc 7018	Canada	N/A			W48-06
Air Liquide Canada, Inc.	E4918-1-H4	LA 7018	Canada	N/A			W48-06
Air Liquide Canada, Inc.	E4918-1-H4	LA 18 Plus	Canada	N/A			W48-06
Air Liquide Canada, Inc.	E4918-1-H4	LA 18 LMP	Canada	N/A		5.0	W48-06
Air Liquide Canada, Inc.	E4918-1-H4	LA 18 Plus LMP	Canada	N/A		5.0	W48-06
Air Liquide Canada, Inc.	E4918-1-H4	Optiweld Opt-18	Canada	N/A			W48-06
Air Liquide Canada, Inc.	E4918-1-H4	Oerlikon OE 7018	Canada	N/A			W48-06
Air Liquide Canada, Inc.	E4918-1-H4	LA 18 Plus Complete	Canada	N/A		6.0	W48-06
Air Liquide Canada, Inc.	E4918-H8	La Excelarc 18	Canada	N/A		4.0	W48-06
Air Liquide Canada, Inc.	E4918-H8	Optiweld Opt-18AC	Canada	N/A		4.0	W48-06
Air Liquide Canada, Inc.	E4918-H8	Oerlikon OE 7018AC	Canada	N/A		4.0	W48-06
Air Liquide Canada, Inc.	E491C-6-H4	Blueshield LA C-6	USA	CO2	0.9	2.4	W48-06
Air Liquide Canada, Inc.	E491C-6-H4	Blueshield LA C-6 CT	USA	CO2	0.9	2.4	W48-06
Air Liquide Canada, Inc.	E491C-6-H4	Blueshield LA C-6LF	USA	CO2	1.2	1.6	W48-06
Air Liquide Canada, Inc.	E491C-6-H4	Blueshield LA C-6 CR	USA	CO2	1.2	1.6	W48-06
Air Liquide Canada, Inc.	E491C-6-H4	Blueshield LA C-6 LS	USA	CO2	1.2	1.6	W48-06
Air Liquide Canada, Inc.	E491C-6M-H4	Blueshield LA C-6	USA	Ar + 5%CO2	0.9	2.4	W48-06
Air Liquide Canada, Inc.	E491C-6M-H4	Blueshield LA C-6	USA	Arcal 211	0.9	2.4	W48-06
Air Liquide Canada, Inc.	E491C-6M-H4	Blueshield LA C-6	USA	Arcal 14	0.9	2.4	W48-06
Air Liquide Canada, Inc.	E491C-6M-H4	Blueshield LA C-6 CT	USA	Ar + 5%CO2	0.9	2.4	W48-06
Air Liquide Canada, Inc.	E491C-6M-H4	Blueshield LA C-6 CT	USA	Arcal 211	0.9	2.4	W48-06
Air Liquide Canada, Inc.	E491C-6M-H4	Blueshield LA C-6LF	USA	Arcal 211	1.2	1.6	W48-06
Air Liquide Canada, Inc.	E491C-6M-H4	Blueshield LA C-6LF	USA	Arcal 14	1.2	1.6	W48-06
Air Liquide Canada, Inc.	E491C-6M-H4	Blueshield LA C-6LF	USA	Ar + 5%CO2	1.2	1.6	W48-06
Air Liquide Canada, Inc.	E491C-6M-H4	Blueshield LA C-6	USA	Blueshield 23	0.9	1.6	W48-06
Air Liquide Canada, Inc.	E491C-6M-H4	Blueshield LA C-6 CR	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Air Liquide Canada, Inc.	E491C-6M-H4	Blueshield LA C-6 LS	USA	Ar + 5%CO2	1.2	1.6	W48-06
Air Liquide Canada, Inc.	E491C-6M-H4	Blueshield LA C-6 LS	USA	Arcal 211	1.2	1.6	W48-06
Air Liquide Canada, Inc.	E491C-6M-H4	Blueshield LA C-6 LS	USA	Arcal 14	1.2	1.6	W48-06
Air Liquide Canada, Inc.	E491C-6MJ-H4	Blueshield LA C-6 CT	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Air Liquide Canada, Inc.	E491T-11-H8	Blueshield LA T-11	USA	N/A	0.9	1.6	W48-06
Air Liquide Canada, Inc.	E491T-11-H8	Optiweld Opt-T11	USA	N/A	0.9	1.6	W48-06
Air Liquide Canada, Inc.	E491T-12J-H4	Blueshield LA 91-T12M	USA	CO2	1.1	1.6	W48-06
Air Liquide Canada, Inc.	E491T-12MJ-H4	Blueshield LA 91-T12M	USA	Ar + 20 to 25%CO2	1.1	1.6	W48-06
Air Liquide Canada, Inc.	E491T-12MJ-H4	Blueshield LA 91-T12M	USA	Arcal 211	1.1	1.6	W48-06
Air Liquide Canada, Inc.	E491T-14-H16	Blueshield LA T-14	USA	N/A	0.76	1.6	W48-06
Air Liquide Canada, Inc.	E491T-14-H16	Optiweld Opt-T14	USA	N/A	0.76	1.6	W48-06
Air Liquide Canada, Inc.	E491T-9-H8	Blueshield LA T-91	USA	CO2	1.2	1.6	W48-06

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Air Liquide Canada, Inc.	E491T-9-H8	Blueshield LA T-91 LF	USA	CO2	0.9	2.0	W48-06
Air Liquide Canada, Inc.	E491T-9-H8	Blueshield LA T-91 Plus	USA	CO2	1.2	1.6	W48-06
Air Liquide Canada, Inc.	E491T-9M-H8	Blueshield LA T-91	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Air Liquide Canada, Inc.	E491T-9M-H8	Blueshield LA T-91 LF	USA	Arcal 211	0.9	2.0	W48-06
Air Liquide Canada, Inc.	E491T-9M-H8	Blueshield LA T-91 LF	USA	Ar + 15%CO2	0.9	2.0	W48-06
Air Liquide Canada, Inc.	E491T-9M-H8	Blueshield LA T-91 Plus	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Air Liquide Canada, Inc.	E491T-9M-H8	Blueshield LA T-91	USA	Arcal 211	1.2	1.6	W48-06
Air Liquide Canada, Inc.	E4924	LA 7024	Canada	N/A			W48-06
Air Liquide Canada, Inc.	E4924	Optiweld Opt-24	Canada	N/A			W48-06
Air Liquide Canada, Inc.	E4924	Oerlikon OE 7024	Canada	N/A			W48-06
Air Liquide Canada, Inc.	E4928-H8	LA 7028	Canada	N/A			W48-06
Air Liquide Canada, Inc.	E492T-4-H16	Blueshield LA Unishield	USA	N/A	2.0	3.0	W48-06
Air Liquide Canada, Inc.	E492T-9-H8	Blueshield LA T-9	USA	CO2	1.2	2.4	W48-06
Air Liquide Canada, Inc.	E492T-9-H8	Blueshield LA T-9 Plus	USA	CO2			W48-06
Air Liquide Canada, Inc.	E492T-9-H8	Blueshield LA T-9LF	USA	CO2	1.2	2.4	W48-06
Air Liquide Canada, Inc.	E492T-9M-H8	Blueshield LA T-9	USA	Ar + 20 to 25%CO2	1.2	2.4	W48-06
Air Liquide Canada, Inc.	E492T-9M-H8	Blueshield LA T-9 Plus	USA	Ar + 20 to 25%CO2			W48-06
Air Liquide Canada, Inc.	E492T-9M-H8	Blueshield LA T-9	USA	Arcal 211	1.2	2.4	W48-06
Air Liquide Canada, Inc.	E5518-C1-H8	LA 8018-C1	Canada	N/A			W48-06
Air Liquide Canada, Inc.	E5518-C3-H8	LA 8018-C3	Canada	N/A			W48-06
Air Liquide Canada, Inc.	E6218-M	LA 9018-M	Canada	N/A		5.0	W48-06
Air Liquide Canada, Inc.	E7618-M	LA 11018-M	Canada	N/A			W48-06
Air Liquide Canada, Inc.	F49A3-EM12K	Blueshield LA 12K	Canada	OP 139 (made in Germany)			W48-06
Air Liquide Canada, Inc.	F49A3-EM12K	Blueshield LA 12K	Canada	OP 176 (made in Germany)			W48-06
Air Liquide Canada, Inc.	F49A4-EM12K	Blueshield LA 12K	Canada	LA46 (made in Italy)			W48-06
Air Liquide Canada, Inc.	F49A6-EM12K	Blueshield LA 12K	Canada	LA59 (made in Germany)			W48-06
Air Liquide Canada, Inc.	F49A6-EM12K	Blueshield LA 12K	Canada	OP 121TT (made in Germany)			W48-06
Air Liquide Canada, Inc.	F49P6-EM12K	Blueshield LA 12K	Canada	LA59 (made in Germany)			W48-06
Airgas, Inc.	B-G 49A 3 C G6 (ER49S-6)	ER70S-6 {cu}	Mexico	CO2	0.6		W48-06
Airgas, Inc.	B-G 49A 3 C G6 (ER49S-6)	Radnor ER70S-6 {cu}	Mexico	CO2	0.6		W48-06
Arcos Industries, LLC	E308-16	E308/E308L-16	USA	N/A		5.0	W48-06
Arcos Industries, LLC	E308L-16	E308/E308L-16	USA	N/A		5.0	W48-06
Arcos Industries, LLC	E309-16	E309/E309L-16	USA	N/A		5.0	W48-06
Arcos Industries, LLC	E309L-16	E309/E309L-16	USA	N/A		5.0	W48-06
Arcos Industries, LLC	E316-16	E316/E316L-16	USA	N/A		5.0	W48-06
Arcos Industries, LLC	E316L-16	E316/E316L-16	USA	N/A		5.0	W48-06
Arcos Industries, LLC	E491T-12MJ-H4	Arcos E71T-1	USA	Ar + 20 to 25%CO2	1.1	1.6	W48-06
Arcos Industries, LLC	E492T-9-H8	Arcos E70T-1	USA	CO2			W48-06
Arcos Industries, LLC	E492T-9M-H8	Arcos E70T-1	USA	Ar + 20 to 25%CO2			W48-06
Arctec Alloys Limited	B-G 49A 2 C G3 (ER49S-3)	Arctec ER70S-3 (cu)	Korea	CO2	0.8		W48-06
Arctec Alloys Limited	B-G 49A 3 C G6 (ER49S-6)	Arctec ER70S-6 (cu)	Korea	CO2	0.8		W48-06
Arctec Alloys Limited	E308L-16	E308L-16	Korea	N/A		5.0	W48-06
Arctec Alloys Limited	E309L-16	E309L-16	Korea	N/A		5.0	W48-06
Arctec Alloys Limited	E316L-16	E316L-16	Korea	N/A		5.0	W48-06
Arctec Alloys Limited	E491T-1-H8	FCS 1171 M	Korea	CO2	1.2	1.6	W48-06
Arctec Alloys Limited	E491T-11-H16	FCS FCO 222	USA	N/A	0.9	1.6	W48-06
Arctec Alloys Limited	E491T-9-H8	FCS 171	USA	CO2	0.9	1.6	W48-06

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Arctec Alloys Limited	E491T-9M-H16	FCS 171	USA	Ar + 20 to 25%CO2	0.9	1.6	W48-06
Atlantic China Welding Consumables,	B-G 49A 2 C G3 (ER49S-3)	CHW-50C3 {cu}	China	CO2	0.6		W48-06
Atlantic China Welding Consumables,	B-G 49A 3 C G6 (ER49S-6)	CHW-50C6SM {cu}	China	CO2	0.8		W48-06
Atlantic China Welding Consumables,	E308L-16	CHS002	China	N/A		5.0	W48-06
Atlantic China Welding Consumables,	E309L-16	CHS062	China	N/A		5.0	W48-06
Atlantic China Welding Consumables,	E316L-16	CHS022	China	N/A		5.0	W48-06
Atlantic China Welding Consumables,	E4313	CHE40	China	N/A		4.0	W48-06
Atlantic China Welding Consumables,	E4915-H8	CHE50 (2 hours baking at min. of 35	China	N/A		5.0	W48-06
Atlantic China Welding Consumables,	E4918-1-H8	CHE58-1 (2 hours baking at min. of	China	N/A		5.0	W48-06
Atlantic China Welding Consumables,	E491T-1-H8	CHT711	China	CO2	1.2	1.6	W48-06
Atlantic China Welding Consumables,	F49A4-EH14	CHW-S3 {cu}	China	CHF101 (Made in China)			W48-06
Avesta Welding	E308L-16	E308L-16	Indonesia	N/A		4.0	W48-06
Avesta Welding	E308L-17	308L/MVR	Indonesia	N/A		5.0	W48-06
Avesta Welding	E309L-16	E309L-16	Indonesia	N/A		4.0	W48-06
Avesta Welding	E309L-17	309L	Indonesia	N/A		5.0	W48-06
Avesta Welding	E309LMo-17	P5	Indonesia	N/A		4.0	W48-06
Avesta Welding	E316L-16	E316L-16	Indonesia	N/A		4.0	W48-06
Avesta Welding	E316L-17	316L/SKR	Indonesia	N/A		5.0	W48-06
Belgo Bekaert Arames Ltda.	B-G 49A 2 C G3 (ER49S-3)	Belgo S-3	Brazil	CO2	0.8		W48-06
Belgo Bekaert Arames Ltda.	B-G 49A 3 C G6 (ER49S-6)	Belgo S-6	Brazil	CO2	0.8		W48-06
Boehler Schweisstechnik Austria GmbH	B-G 49A 3 C G6 (ER49S-6)	Boehler EMK 6 {cu}	Austria	CO2	0.8		W48-06
Boehler Welding Group Nordic AB (Ave	E2209-17	2205	Sweden	N/A		5.0	W48-06
Boehler Welding Group Nordic AB (Ave	E2209-17	2205-PW AC/DC	Sweden	N/A		5.0	W48-06
Boehler Welding Group Nordic AB (Ave	E308-17	308/308H AC/DC	Sweden	N/A		5.0	W48-06
Boehler Welding Group Nordic AB (Ave	E308L-17	308L/MVR-VDX AC/DC	Sweden	N/A		3.25	W48-06
Boehler Welding Group Nordic AB (Ave	E308L-17	308L/MVR-PW AC/DC	Sweden	N/A		3.25	W48-06
Boehler Welding Group Nordic AB (Ave	E308L-17	308L/MVR-2D	Sweden	N/A		3.2	W48-06
Boehler Welding Group Nordic AB (Ave	E309-17	309 AC/DC	Sweden	N/A		4.0	W48-06
Boehler Welding Group Nordic AB (Ave	E309L-17	309L	Sweden	N/A		5.0	W48-06
Boehler Welding Group Nordic AB (Ave	E309LMo-17	P5	Sweden	N/A		5.0	W48-06
Boehler Welding Group Nordic AB (Ave	E310-17	310 AC/DC	Sweden	N/A		5.0	W48-06
Boehler Welding Group Nordic AB (Ave	E316-17	316/316H AC/DC	Sweden	N/A		4.0	W48-06
Boehler Welding Group Nordic AB (Ave	E316L-17	316L/SKR-VDX AC/DC	Sweden	N/A		3.2	W48-06
Boehler Welding Group Nordic AB (Ave	E316L-17	316L/SKR-PW AC/DC	Sweden	N/A		3.25	W48-06
Boehler Welding Group Nordic AB (Ave	E316L-17	316L/SKR-2D	Sweden	N/A		3.2	W48-06
Boehler Welding Group Nordic AB (Ave	E317L-17	317L/SNR AC/DC	Sweden	N/A		5.0	W48-06
Boehler Welding Group Nordic AB (Ave	E347-17	347/MVNb	Sweden	N/A		5.0	W48-06
Bohler Soldaduras, S.A. de C.V.	E308L-16	UTP 6820 LC	Edo. de Mexico	N/A		5.0	W48-06
Bohler Soldaduras, S.A. de C.V.	E309L-16	UTP 6824LC	Edo. de Mexico	N/A		5.0	W48-06
Bohler Soldaduras, S.A. de C.V.	E316L-16	UTP 6820MOLC	Edo. de Mexico	N/A		5.0	W48-06
Bohler Soldaduras, S.A. de C.V.	E317L-16	UTP 317LC TI	Edo. de Mexico	N/A		4.0	W48-06
Bohler Thyssen Welding Canada	B-G 49A 3 C G6 (ER49S-6)	Thyssen ER70S-6 {cu}	Italy	CO2	0.6		W48-06
Bohler Thyssen Welding Canada	E308-17	Thermanit JEW 308L-17	Austria	N/A		5.0	W48-06
Bohler Thyssen Welding Canada	E309L-17	Thermanit 25/14 309L-17	Austria	N/A		4.0	W48-06
Bohler Thyssen Welding Canada	E316L-17	Thermanit GEW 316L-17	Austria	N/A		5.0	W48-06
Bohler Welding Technology (China) Co	E4918-1-H4	Bohler E7018-1 (2 hours baking at m	China	N/A			W48-06
Bohler Welding Technology (China) Co	E4918-H4	Bohler E7018 (DCEP only) (2 hours	China	N/A			W48-06

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(Sorted by Standard / Company Name/ Classification)

Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
Bohler Welding Technology (China) Co	F49A2-EM12K	T Union SA EM12K	China	T UV 101SJ (made in China)			W48-06
Changzhou City Yunhe Welding Materia	B-G 49A 3 C G6 (ER49S-6)	YH50-6 {cu}	China	CO2	0.8		W48-06
Changzhou Huatong Welding Wire Co. L	B-G 49A 2 C G3 (ER49S-3)	HTW-53 {cu}	China	CO2	0.8		W48-06
Changzhou Huatong Welding Wire Co. L	B-G 49A 3 C G6 (ER49S-6)	HTW-50 {cu}	China	CO2	0.8		W48-06
Changzhou Huatong Welding Wire Co. L	E491T-9-H8	HTW-711	China	CO2	1.2	1.6	W48-06
Changzhou Huatong Welding Wire Co. L	E491T-9M-H8	HTW-711	China	CO2	1.2	1.6	W48-06
Changzhou Huatong Welding Wire Co. L	E491T-9M-H8	HTW-711	China	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Changzhou Huatong Welding Wire Co. L	E492T-9-H8	HTW-701	China	CO2	1.2	1.6	W48-06
Changzhou Zhengyang Welding Material	B-G 49A 3 C G6 (ER49S-6)	JY50-6	China	CO2			W48-06
Chosun Welding Co. Ltd.	B-G 49A 3 C G6 (ER49S-6)	MC-50T {cu}	Korea	CO2	0.9		W48-06
Chosun Welding Co. Ltd.	E491T-1-H16	CSF-71T (Baking Type)	Korea	CO2	1.2	1.6	W48-06
Chosun Welding Co. Ltd.	E491T-1M-H16	CSF-71T (Baking Type)	Korea	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Controlled Products Group	E491C-6-H8	Inco-Weld E70C-6M	USA	CO2	0.9	2.4	W48-06
Controlled Products Group	E491C-6M-H8	Inco-Weld E70C-6M	USA	Ar + 5%CO2	0.9	2.4	W48-06
Corex Canada	E4311	Cor-Arc 6011	USA	N/A		5.0	W48-06
Corex Canada	E4914	Cor-Arc 7014	USA	N/A		5.0	W48-06
Corex Canada	E491C-6-H4	METAL-COR 6XC	Canada	CO2	1.2	2.0	W48-06
Corex Canada	E491C-6M-H4	METAL-COR 6XC	Canada	Ar + 5%CO2	1.2	2.0	W48-06
Corex Canada	E491C-6M-H4	METAL-COR 6XC	Canada	Argoshield Universal	1.2	1.6	W48-06
Corex Canada	E491T-9-H8	VISION AP70	Canada	CO2	1.2	1.6	W48-06
Corex Canada	E491T-9M-H8	VISION AP70	Canada	Ar + 8%CO2	1.2	1.6	W48-06
Corex Canada	E491T-9M-H8	VISION AP70	Canada	Argoshield Pro	1.2	1.6	W48-06
Corex Canada	E491T-9M-H8	VISION AP70	Canada	Argoshield GP	1.2	1.6	W48-06
Corex Canada	E492C-6M-H4	METAL-COR 6XC	Canada	Argoshield GP	1.2	1.6	W48-06
Corex Canada	E492C-6M-H4	METAL-COR 6XC	Canada	Argoshield Pro	1.2	1.6	W48-06
Corex Canada	E492C-6M-H4	METAL-COR 6XC	Canada	Mison Ar 8C	1.2	1.6	W48-06
Corex Canada	E492T-9	FLUX-COR 7XR	Canada	CO2	1.2	2.4	W48-06
Corex Canada	E492T-9-H8	FLUX-COR 7XR	USA	CO2	1.2	2.4	W48-06
Corex Canada	E492T-9-H8	FLUX-COR 7	USA	CO2	1.2	2.4	W48-06
Cronatron Welding Systems, Inc.	B-G 49A 3 C G6 (ER49S-6)	Cronamig 331M {cu}	USA	CO2	0.8		W48-06
Cronatron Welding Systems, Inc.	B-G- 55A 3 G4M31 (ER80S-D2)	Cronatig 315T	USA	CO2	0.8		W48-06
Cronatron Welding Systems, Inc.	B-G- 55A 3 G4M31 (ER80S-D2)	Cronamig 375M	USA	CO2	0.8		W48-06
Cronatron Welding Systems, Inc.	E4918	Cronaweld 311	USA	N/A		5.0	W48-06
Cronatron Welding Systems, Inc.	E4918-1	Cronaweld 311-1	USA	N/A		5.0	W48-06
Cronatron Welding Systems, Inc.	E4918-1	Cronatron 7018	USA	N/A		5.0	W48-06
Cronatron Welding Systems, Inc.	E4918-1-H8	Cronaweld 311-1	USA	N/A			W48-06
Cronatron Welding Systems, Inc.	E491T-12M-H8	Cronamig 311M-FC	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Drahtzug Stein Wire & Welding GmbH &	E491C-6M-H4	Megafil 710M	Germany	Ar + 20 to 25%CO2			W48-06
Drahtzug Stein Wire & Welding GmbH &	E491T-9-H4	Megafil 713R	Germany	CO2			W48-06
Drahtzug Stein Wire & Welding GmbH &	E491T-9M-H4	Megafil 713R	Germany	Ar + 20 to 25%CO2			W48-06
Drahtzug Stein Wire & Welding GmbH &	E491T-G-H4	Megafil 781R	Germany	Ar + 20 to 25%CO2			W48-06
ESAB AB	B-G 49A 3 C G6 (ER49S-6)	OK Aristorod 12.50 {ncu}	Czech Republic	CO2	1.0		W48-06
ESAB AB	B-G 49A 3 C G6 (ER49S-6)	OK Aristorod 12.63 {ncu}	Czech Republic	CO2	0.8		W48-06
ESAB AB	B-G 49A 3 C G6 (ER49S-6)	MIG-6 {cu}	Czech Republic	CO2	0.8		W48-06
ESAB AB	B-G 49A 3 C G6 (ER49S-6)	OK AristoRod 12.50	China	CO2	0.8		W48-06
ESAB AB	B-G 55A 3 C G4M31 (ER80S-D2)	OK Aristorod 13.08 {ncu}	Czech Republic	CO2	1.2		W48-06
ESAB AB	E2209-17	OK 67.50	Sweden	N/A		5.0	W48-06

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Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
ESAB AB	E308L-17	OK 61.30	Sweden	N/A		5.0	W48-06
ESAB AB	E309L-17	OK 67.60	Sweden	N/A		5.0	W48-06
ESAB AB	E309LMo-17	OK 67.70	Sweden	N/A		5.0	W48-06
ESAB AB	E316L-16	OK 63.34	Sweden	N/A		3.2	W48-06
ESAB AB	E316L-16	OK 63.20	Sweden	N/A		3.2	W48-06
ESAB AB	E316L-17	OK 63.30	Sweden	N/A		5.0	W48-06
ESAB AB	E4918-1	OK 55.00	Sweden	N/A			W48-06
ESAB AB	E4924	OK Femax 33.80	Sweden	N/A			W48-06
ESAB AB	F49A6-EM12K	OK AUTROD 12.22	Czech Republic	OK FLUX 10.72 (made in Poland)		4 MM	W48-06
ESAB Group Canada Inc.	B-G 49A 3 C G6 (ER49S-6)	OK Aristorod 12.50	China	Argoshield Pro	0.8		W48-06
ESAB Group Canada Inc.	B-G 49A 3 C G6 (ER49S-6)	OK Aristorod 12.50	China	Argoshield Universal	0.8		W48-06
ESAB Group Canada Inc.	B-G 49A 3 C G6 (ER49S-6)	OK Aristorod 12.50	China	Argoshield Light	0.8		W48-06
ESAB Group Canada Inc.	B-G 49A 3 C G6 (ER49S-6)	OK Aristorod 12.50	China	Argoshield 25C	0.8		W48-06
ESAB Group Canada Inc.	B-G 49A 3 C G6 (ER49S-6)	OK Aristorod 12.50	China	Argoshield 8C	0.8		W48-06
ESAB Group Canada Inc.	B-G 49A 3 C G6 (ER49S-6)	OK Aristorod 12.50	China	Argoshield GP	0.8		W48-06
ESAB Group Canada Inc.	B-G 49A 3 C G6 (ER49S-6)	OK Aristorod 12.50	China	Linde Mison 8C	0.8		W48-06
ESAB Group Canada Inc.	B-G 49A 3M G6 (ER49S-6)	OK Aristorod 12.50	China	Linde Mison 15C	0.6	1.2	W48-06
ESAB Group Canada Inc.	B-G 49A 3M G6 (ER49S-6)	OK Aristorod 12.50	China	Linde Mison 25C	0.6	1.2	W48-06
ESAB Group Canada Inc.	E491C-6M-H4	Coreweld C6	USA	Linde Mison 15C	1.2	1.6	W48-06
ESAB Group Canada Inc.	E491C-6M-H8	Coreweld C6	USA	Argoshield GP	1.2	1.6	W48-06
ESAB Group Canada Inc.	E491C-6M-H8	Coreweld C6	USA	Argoshield 8C	1.2	1.6	W48-06
ESAB Group Canada Inc.	E491C-6M-H8	Coreweld C6	USA	Linde Mison 8C	1.2	1.6	W48-06
ESAB Group Canada Inc.	E491C-6M-H8	Coreweld C6	USA	Stargon VS	1.2	1.6	W48-06
ESAB Group Canada Inc.	E491T-12MJ-H16	Dual Shield II 712X	USA	Argoshield 25C	1.2	1.6	W48-06
ESAB Group Canada Inc.	E491T-9M-H16	Dual Shield 710X	USA	Argoshield 25C	1.2	1.6	W48-06
ESAB Group Canada Inc.	E491T-9M-H8	Dual Shield 710X-M	USA	Argoshield 25C	1.2	1.6	W48-06
ESAB Group Canada Inc.	E491T-9M-H8	Dual Shield 710X-M	USA	Argoshield GP	1.2	1.6	W48-06
ESAB Group Canada Inc.	E491T-9M-H8	Dual Shield 710X-M	USA	Linde Mison 25C	1.2	1.6	W48-06
ESAB Group Canada Inc.	E491T-9M-H8	Dual Shield 710X-M	USA	Linde Mison 15C	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	B-G 49A 2 C G3 (ER49S-3)	Spoolarc 82 (Coppered) {cu}	USA	CO2	0.8		W48-06
ESAB Group, Inc./Alloy Rods	B-G 49A 2 C G3 (ER49S-3)	Spoolarc 29S (Coppered) {cu}	USA	CO2	0.8		W48-06
ESAB Group, Inc./Alloy Rods	B-G 49A 3 C G2 (ER49S-2)	Spoolarc 65 {cu}	USA	CO2	0.8		W48-06
ESAB Group, Inc./Alloy Rods	B-G 49A 3 C G6 (ER49S-6)	Spoolarc 86 (Coppered) {cu}	USA	CO2	0.6		W48-06
ESAB Group, Inc./Alloy Rods	B-G 49A 3 C G6 (ER49S-6)	ESAB MIG-6 {cu}	USA	CO2	0.6		W48-06
ESAB Group, Inc./Alloy Rods	B-G 49A 3 C G7 (ER49S-7)	Spoolarc 87HP (Coppered) {cu}	USA	CO2	0.9		W48-06
ESAB Group, Inc./Alloy Rods	B-G- 55A 3 G4M31 (ER80S-D2)	Spoolarc 83	USA	CO2	0.8		W48-06
ESAB Group, Inc./Alloy Rods	E308L-16	Arcaloy 308L-16	USA	N/A		4.0	W48-06
ESAB Group, Inc./Alloy Rods	E309L-16	Arcaloy 309L-16	USA	N/A		4.0	W48-06
ESAB Group, Inc./Alloy Rods	E316L-16	Arcaloy 316LF5-16	USA	N/A		4.0	W48-06
ESAB Group, Inc./Alloy Rods	E4310	Sureweld 10P	USA	N/A		5.0	W48-06
ESAB Group, Inc./Alloy Rods	E4311	Sureweld SW-14	USA	N/A		5.0	W48-06
ESAB Group, Inc./Alloy Rods	E4313	Sureweld 6013-LV	USA	N/A		4.0	W48-06
ESAB Group, Inc./Alloy Rods	E4918	Atom Arc 7018	USA	N/A		5.0	W48-06
ESAB Group, Inc./Alloy Rods	E4918-1-H8	Atom Arc 7018-1	USA	N/A			W48-06
ESAB Group, Inc./Alloy Rods	E491C-6-H8	Coreweld 70	USA	CO2	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491C-6M-H8	Coreweld 70	USA	Mig Mix Gold	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491C-6M-H8	Coreweld 77-HS	USA	Ar + 20 to 25%CO2	1.2		W48-06

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Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
ESAB Group, Inc./Alloy Rods	E491C-6M-H8	Coreweld 70	USA	Ar + 8%CO2	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491C-6M-H8	Coreweld C6	USA	Ar + 8%CO2	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491C-6M-H8	Coreweld C6	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491C-6M-H8	Coreweld 77-HS	USA	Ar + 8%CO2	1.2		W48-06
ESAB Group, Inc./Alloy Rods	E491T-11-H16	Coreshield 11	USA	N/A	0.9	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491T-12-H8	Dual Shield II 71 Ultra	USA	CO2	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491T-12-H8	Dual Shield II 711X	USA	CO2	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491T-12M-H8	Dual Shield II 70 Ultra	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491T-12MJ-H16	Dual Shield II 712X	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491T-12MJ-H4	Dual Shield II 70T-12H4	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491T-1M-H16	Dual Shield 70 Ultra Plus	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491T-1M-H16	Dual Shield 70 Ultra Plus	USA	Ar + 5%CO2	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491T-8-H8	Coreshield 8	USA	N/A	1.6	2.0	W48-06
ESAB Group, Inc./Alloy Rods	E491T-9-H16	Dual Shield 7100 LC	USA	CO2	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491T-9-H16	Dual Shield 710X	USA	CO2	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491T-9-H16	Dual Shield 7000	USA	CO2	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491T-9-H8	Dual Shield 7100 Ultra	USA	CO2	0.9	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491T-9M-H16	Dual Shield 7100 Ultra	USA	Ar + 20 to 25%CO2	0.9	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491T-9M-H16	Dual Shield 7100 LC	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491T-9M-H16	Dual Shield 710X	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491T-9M-H16	Dual Shield 7000	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491T-9M-H8	Dual Shield 710X-M	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E491T-9M-H8	Dual Shield 710X-M	USA	Ar + 15%CO2	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E4924	Sureweld 7024	USA	N/A		5.0	W48-06
ESAB Group, Inc./Alloy Rods	E4924	Prostar 7024	USA	N/A		5.0	W48-06
ESAB Group, Inc./Alloy Rods	E492C-6M-H8	Coreweld 77-HS	USA	Ar + 8%CO2	1.6		W48-06
ESAB Group, Inc./Alloy Rods	E492C-6M-H8	Coreweld 77-HS	USA	Ar + 20 to 25%CO2	1.6		W48-06
ESAB Group, Inc./Alloy Rods	E492T-1	Dual Shield 700X	USA	CO2	1.6	2.4	W48-06
ESAB Group, Inc./Alloy Rods	E492T-6	Coreshield 6	USA	N/A	2.0	2.4	W48-06
ESAB Group, Inc./Alloy Rods	E492T-9-H16	Dual Shield R-70 Ultra	USA	CO2	1.2	2.4	W48-06
ESAB Group, Inc./Alloy Rods	E492T-9-H8	Dual Shield Arc 71	USA	CO2	1.2	1.6	W48-06
ESAB Group, Inc./Alloy Rods	E492T-9M-H16	Dual Shield R-70 Ultra	USA	Ar + 20 to 25%CO2	1.2	2.4	W48-06
ESAB Group, Inc./Alloy Rods	E5518-C1	Atom Arc 8018-C1	USA	N/A		5.0	W48-06
ESAB Group, Inc./Alloy Rods	E5518-C3	Atom Arc 8018	USA	N/A		5.0	W48-06
ESAB Group, Inc./Alloy Rods	E7618-M	Atom Arc T	USA	N/A		5.0	W48-06
ESAB Group, Inc./Alloy Rods	F49A3-EM12K	Spoolarc 81(Coppered) {cu}	USA	OK Flux 429 (made in USA)			W48-06
ESAB Group, Inc./Alloy Rods	F49A3-EM13K	Spoolarc 29S (Coppered) {cu}	USA	OK Flux 429 (made in USA)			W48-06
ESAB Group, Inc./Alloy Rods	F49A4-EM12K	Spoolarc 81 (Coppered) {cu}	USA	OK Flux 10.71 (made in Hungary)			W48-06
ESAB Group, Inc./Alloy Rods	F49A5-EM12K	Spoolarc 81 (Coppered) {cu}	USA	OK Flux 10.72 (made in Poland)			W48-06
ESAB Group, Inc./Alloy Rods	F49A5-EM12K	Spoolarc 81 (Coppered) {cu}	USA	OK Flux 10.62 (made in Poland)			W48-06
ESAB Group, Inc./Alloy Rods	F49A5-EM12K	Spoolarc 81 (Coppered) {cu}	USA	OK Flux 10.62 (made in USA)			W48-06
ESAB Group, Inc./Alloy Rods	F49AS-EM12K	Spoolarc 81 (Coppered) {cu}	USA	OK Flux 281 (made in Brazil)			W48-06
ESAB Group/All-State	B-G 49A 2 C G3 (ER49S-3)	ALL-STATE 70S-3 (Coppered) {cu}	USA	CO2	0.8		W48-06
ESAB Group/All-State	B-G 49A 3 C G6 (ER49S-6)	ALL-STATE 70S-6 (Coppered) {cu}	USA	CO2	0.8		W48-06
ESAB Group/All-State	E491T-11-H16	All-State Shield-Free Plus-MP	USA	N/A	0.9	1.6	W48-06
ESAB Mexico SA de CV	B-G 49A 2 C G3 (ER49S-3)	Spoolarc 29S {cu}	Mexico	CO2	0.9		W48-06
ESAB Mexico SA de CV	B-G 49A 2 C G3 (ER49S-3)	Mig-3 {cu}	Mexico	CO2	0.9		W48-06

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Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
ESAB Mexico SA de CV	B-G 49A 3 C G6 (ER49S-6)	Spoolarc 86 {cu}	Mexico	CO2	0.8		W48-06
ESAB Mexico SA de CV	B-G 49A 3 C G6 (ER49S-6)	Mig-6 {cu}	Mexico	CO2	0.8		W48-06
ESAB Mexico SA de CV	B-G 49A 3 C G6 (ER49S-6)	Arc Plus 6 {cu}	Mexico	CO2	0.8		W48-06
ESAB Mexico SA de CV	E308L-17	Arcaloy 308L-17 Plus	Mexico	N/A		5.0	W48-06
ESAB Mexico SA de CV	E309L-17	Arcaloy 309L-17 Plus	Mexico	N/A		5.0	W48-06
ESAB Mexico SA de CV	E316L-17	Arcaloy 316L-17 Plus	Mexico	N/A		5.0	W48-06
ESAB Mexico SA de CV	E4311	Sureweld SW-14	Mexico	N/A		5.0	W48-06
ESAB Mexico SA de CV	E4311	Prostar 6011	Mexico	N/A		5.0	W48-06
ESAB Mexico SA de CV	E4313	Sureweld 6013-LV	Mexico	N/A		4.0	W48-06
ESAB Mexico SA de CV	E4918	ESAB 7018	Mexico	N/A		5.0	W48-06
ESAB Mexico SA de CV	E4918	Atom Arc 7018	Mexico	N/A		5.0	W48-06
ESAB Mexico SA de CV	E4918	Prostar 7018AC	Mexico	N/A		4.0	W48-06
ESAB Mexico SA de CV	E4918-1	Atom Arc 7018-1	Mexico	N/A			W48-06
ESAB Mexico SA de CV	E4918-1	Prostar 7018	Mexico	N/A			W48-06
ESAB Mexico SA de CV	E4924	Sureweld 7024	Mexico	N/A			W48-06
ESAB Mexico SA de CV	E4924	Prostar 7024	Mexico	N/A			W48-06
ESAB Mor Kft	E4918-1	OK 56.69	Hungary	N/A			W48-06
Eagle Alloys Ltd.	B-G 49A 3 C G6 (ER49S-6)	Eagle 70S-6	Korea	CO2	0.8		W48-06
Eagle Alloys Ltd.	E308L-16	Eagle E308L-16	Korea	N/A		5.0	W48-06
Eagle Alloys Ltd.	E309L-16	Eagle E309L-16	Korea	N/A		5.0	W48-06
Eagle Alloys Ltd.	E316L-16	Eagle E316L-16	Korea	N/A		5.0	W48-06
Eagle Alloys Ltd.	E4918-1	Eagle 7018-1	Korea	N/A		5.0	W48-06
Eagle Alloys Ltd.	E491T-9-H8	Eagle 771 FGS	Korea	CO2	1.1	1.6	W48-06
Eagle Alloys Ltd.	E491T-9M-H16	Eagle 771 FGS	Korea	Ar + 10%CO2	1.1	1.6	W48-06
Eagle Alloys Ltd.	E492C-6M-H8	Eagle 770 MC	Korea	Ar + 20 to 25%CO2	1.1	1.6	W48-06
Eagle Alloys Ltd.	E492C-6M-H8	Eagle 770 MC	Korea	Ar + 2%CO2	1.1	1.6	W48-06
Elbor srl	B-G 49A 3 C G6 (ER49S-6)	MIG ER70S-6 {cu}	Italy	CO2	0.6		W48-06
Electrodos Infra, S.A. de C.V.	B-G 49A 3 C G6 (ER49S-6)	Infra Welding Wire	Mexico	CO2	0.6		W48-06
Electrodos Infra, S.A. de C.V.	B-G 49A 3 C G6 (ER49S-6)	Infra Pack	Mexico	CO2	0.9		W48-06
Esab Group Inc./Alloy Rods	F49A3-EM12K	Spoolarc 81 (Coppered) {cu}	USA	OK Flux 231 (made in USA)			W48-06
Esab Group Inc./Alloy Rods	F49A3-EM12K	Spoolarc 81(Coppered) {cu}	USA	OK Flux 350 (made in USA)			W48-06
Esab Group Inc./Alloy Rods	F49A4-EM12K	Spoolarc 81 (Coppered) {cu}	USA	OK Flux 10.71 (made in USA)			W48-06
Esab Group Inc./Alloy Rods	F49A5-EM12K	Spoolarc 81(Coppered) {cu}	USA	OK Flux 10.72 (made in USA)			W48-06
Eutectic Canada Inc.	E491C-6J-H4	Endotec Alloy DO*270	Italy	CO2	1.0	1.6	W48-06
Eutectic Canada Inc.	E491C-6MJ-H4	Endotec Alloy DO*270	Italy	Ar + 20 to 25%CO2	1.0	1.6	W48-06
Eutectic Canada Inc.	E491T-9J-H4	Endotec Alloy DO*266S	Italy	CO2	1.2	1.6	W48-06
Eutectic Canada Inc.	E491T-9MJ-H4	Endotec Alloy DO*266S	Italy	Ar + 20 to 25%CO2	1.2	1.6	W48-06
FSH Welding Canada	E308L-16	Selectarc 308L-16	France	N/A		4.0	W48-06
FSH Welding Canada	E308L-17	Selectarc 308L-17	France	N/A		4.0	W48-06
FSH Welding Canada	E309L-16	Selectarc 309L-16	France	N/A		4.0	W48-06
FSH Welding Canada	E309L-17	Selectarc 309L-17	France	N/A		4.0	W48-06
FSH Welding Canada	E316L-16	Selectarc 316L-16 VD	France	N/A		4.0	W48-06
FSH Welding Canada	E316L-16	Selectarc 316L-16	France	N/A		4.0	W48-06
FSH Welding Canada	E316L-17	Selectarc 316L-17	France	N/A		4.0	W48-06
GTS Inc.	B-G 49A 3 C G6 (ER49S-6)	GTS Hyperglide 6000	China	CO2	0.8		W48-06
Gedik Kaynak Sanayi ve Ticaret A.S.	B-G 49A 2 C G3 (ER49S-3)	GeKa SG 1	Turkey	CO2	0.9		W48-06
Gedik Kaynak Sanayi ve Ticaret A.S.	B-G 49A 3 C G6 (ER49S-6)	GeKa SG 2	Turkey	CO2	0.8		W48-06

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Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
Gedik Kaynak Sanayi ve Ticaret A.S.	E4313	GeKa ELIT	Turkey	N/A		5.0	W48-06
Gedik Kaynak Sanayi ve Ticaret A.S.	E4918-H4	GeKa Laser B47	Turkey	N/A		5.0	W48-06
Grytgöls Bruk AB	B-G 49A 3 C G6 (ER49S-6)	GB-74 {cu}	Italy	CO2	0.8		W48-06
Grytgöls Bruk AB	B-G 49A 3 C G6 (ER49S-6)	GB-76 {cu}	Italy	CO2	0.8		W48-06
Hobart Brothers Co. - Trimark	E492T-5J-H4	Tri-Mark TM-55	USA	CO2	1.6	2.4	W48-06
Hobart Brothers Co. - Trimark	E492T-5MJ-H4	Tri-Mark TM-55	USA	Ar + 20 to 25%CO2	1.6	2.4	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Tri-mark Metalloy 71	USA	Ar + 20 to 25%CO2	0.9	1.3	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Corex Metal-Cor 6	USA	Mig Mix Gold	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Tri-mark Metalloy 76	USA	Mig Mix Gold	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Speed Cor 6	USA	Mig Mix Gold	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Fabcor 86R	USA	Mig Mix Gold	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Corex METAL-COR 6-L	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Corex METAL-COR 6-L	USA	Ar + 5%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Tri-mark Metalloy 76	USA	Ar + 5%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Tri-mark Metalloy 76	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Tri-mark Metalloy 76	USA	Ar + 5%CO2	0.9	0.9	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Tri-mark Metalloy 76	USA	Ar + 20 to 25%CO2	0.9	0.9	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Tri-mark Metalloy 76	USA	Mig Mix Gold	0.9	0.9	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Corex Metal-Cor 6	USA	Ar + 5%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Corex Metal-Cor 6	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Fabcor 86R	USA	Ar + 5%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Fabcor 86R	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Speed Cor 6	USA	Ar + 5%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Speed Cor 6	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Corex Metal-Cor 6	USA	Ar + 5%CO2	0.9	0.9	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Corex Metal-Cor 6	USA	Ar + 20 to 25%CO2	0.9	0.9	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Corex Metal-Cor 6	USA	Mig Mix Gold	0.9	0.9	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Fabcor 86R	USA	Ar + 5%CO2	0.9		W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Fabcor 86R	USA	Ar + 20 to 25%CO2	0.9		W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Fabcor 86R	USA	Mig Mix Gold	0.9		W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Speed Cor 6	USA	Ar + 5%CO2	0.9		W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Speed Cor 6	USA	Ar + 20 to 25%CO2	0.9		W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Speed Cor 6	USA	Mig Mix Gold	0.9		W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Eclipse ULTIMET 716	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Eclipse ULTIMET 716	USA	Ar + 5%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Corex VISION MetCOR 70	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Corex VISION MetCOR 70	USA	Ar + 5%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Tri-mark Metalloy 76	USA	Ar + 5%O2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	FabCOR 96	USA	Ar + 5%O2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Corex METAL-COR 6XC	USA	Ar + 5%O2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Corex Metal-Cor 6	USA	Ar + 5%O2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Fabcor 86R	USA	Ar + 5%O2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Speed Cor 6	USA	Ar + 5%O2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	FabCOR 96	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	FabCOR 96	USA	Ar + 5%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Corex METAL-COR 6XC	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6M-H4	Corex METAL-COR 6XC	USA	Ar + 5%CO2	1.2	1.6	W48-06

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Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
Hobart Brothers Co., Tubular Wire Bu	E491C-6MJ-H4	Tri-mark Metalloy Vantage	USA	Ar + 20 to 25%CO2	1.2	1.2	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6MJ-H4	Tri-mark Metalloy Vantage	USA	Ar + 5%CO2	1.2	1.2	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6MJ-H4	Corex Metal-Cor Maxim	USA	Ar + 20 to 25%CO2	1.2	1.2	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6MJ-H4	Corex Metal-Cor Maxim	USA	Ar + 5%CO2	1.2	1.2	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6MJ-H4	Hobart Edge	USA	Ar + 5%CO2	1.2	1.2	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491C-6MJ-H4	Hobart Edge	USA	Ar + 20 to 25%CO2	1.2	1.2	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-1-H8	Tri-mark Triple 7	USA	CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-1-H8	Mckay Speed-Alloy 71A	USA	CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-1-H8	Mckay Speed-Alloy 71A	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-1-H8	Corex Versatile	USA	CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-11-H8	FabShield 21B	USA	N/A	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-12MJ-H4	Corex Verti-Cor 70	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-12MJ-H4	Tri-mark TM-770	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-12MJ-H4	Hobart Formula XL-525	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-12MJ-H4	Tri-mark TM-770	USA	Ar + 15%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-12MJ-H4	Hobart Formula XL-525	USA	Ar + 15%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-12MJ-H4	Corex Verti-Cor 70	USA	Ar + 15%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-12MJ-H8	Tri-mark TM-770	USA	Ar + 20 to 25%CO2	0.9	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-12MJ-H8	Corex Verti-Cor 70	USA	Ar + 20 to 25%CO2	0.9	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-12MJ-H8	Hobart Formula XL-525	USA	Ar + 20 to 25%CO2	0.9	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-12MJ-H8	Tri-mark TM-770	USA	Ar + 15%CO2	0.9	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-12MJ-H8	Hobart Formula XL-525	USA	Ar + 15%CO2	0.9	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-12MJ-H8	Corex Verti-Cor 70	USA	Ar + 15%CO2	0.9	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-1M-H8	Tri-mark Triple 7	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-1M-H8	Corex Versatile	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-8J-H8	Fabshield XLR-8	USA	N/A	1.6	2.0	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9-H4	Formula XL-550	USA	CO2	1.2	1.3	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9-H8	Tri-mark TM-771	USA	CO2	1.1	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9-H8	Corex Verti-Cor 72	USA	CO2	1.1	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9-H8	Excel-Arc 71	USA	CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9-H8	Excel-Arc 71	USA	CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9-H8	Tri-mark Triple 8	USA	CO2	1.6	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9-H8	Tri-mark Triple 8	USA	CO2	1.2	1.3	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9-H8	Fabdual T91M	USA	CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9-H8	Formula XL-550	USA	CO2	1.6	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9-H8	Corex Verti-Cor II	USA	CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9-H8	Tri-mark TM-771	USA	CO2			W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9-H8	Corex Verti-Cor 72	USA	CO2			W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9-H8	Fabco Hornet	USA	CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9-H8	FabCO XL-71	USA	CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9-H8	Corex VISION AP70	USA	CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9M-H8	Excel-Arc 71	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9M-H8	Excel-Arc 71	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9M-H8	Fabdual T91M	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9M-H8	Corex Verti-Cor II	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9M-H8	Corex Verti-Cor II	USA	Argoshield Pro	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9M-H8	Corex Verti-Cor II	USA	Argoshield GP	1.2	1.6	W48-06

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Hobart Brothers Co., Tubular Wire Bu	E491T-9M-H8	Fabco Hornet	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9M-H8	FabCO XL-71	USA	Ar + 8%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-9M-H8	Corex VISION AP70	USA	Ar + 8%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E491T-GS	Fabshield 23	USA	N/A	1.2		W48-06
Hobart Brothers Co., Tubular Wire Bu	E492C-6M-H4	Corex Metal-Cor Maxim	USA	Argoshield Universal	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492C-6M-H4	Corex Metal-Cor Maxim	USA	Argoshield Pro	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492C-6M-H4	Corex Metal-Cor Maxim	USA	Argoshield GP	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492C-6M-H4	Matrix	USA	Ar + 5%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492C-6M-H4	Matrix	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492C-6M-H4	METAL-COR 6	USA	Mison 15C	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492C-6M-H4	METAL-COR 6	USA	Argoshield GP	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492C-6M-H4	METAL-COR 6	USA	Argoshield Pro	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492C-6M-H4	METAL-COR 6-L	USA	Mison 8C	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492C-6M-H4	METAL-COR 6	USA	Argoshield Universal	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492C-6M-H4	METAL-COR 6	USA	Mison 8C	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492C-6MJ-H4	Corex Metal-Cor Maxim	USA	Ar + 20 to 25%CO2	1.4	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492C-6MJ-H4	Tri-mark Metalloy Vantage	USA	Ar + 5%CO2	1.4	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492C-6MJ-H4	Tri-mark Metalloy Vantage	USA	Ar + 20 to 25%CO2	1.4	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492C-6MJ-H4	Corex Metal-Cor Maxim	USA	Ar + 5%CO2	1.4	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492C-6MJ-H4	Hobart Edge	USA	Ar + 5%CO2	1.4	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492C-6MJ-H4	Hobart Edge	USA	Ar + 20 to 25%CO2	1.4	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492T-5J-H4	Corex Tuf-Cor 5	USA	CO2	1.6	2.4	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492T-5J-H4	Fabco 85	USA	CO2	1.6	2.4	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492T-5MJ-H4	Fabco 85	USA	Ar + 20 to 25%CO2	1.6	2.4	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492T-5MJ-H4	Corex Tuf-Cor 5	USA	Ar + 20 to 25%CO2	1.6	2.4	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492T-7	Fabshield 31	USA	N/A			W48-06
Hobart Brothers Co., Tubular Wire Bu	E492T-9-H16	Fabdual T9M	USA	CO2	1.2	2.4	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492T-9-H16	Tri-Mark TM-72	USA	CO2	2.4	2.4	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492T-9-H16	Fabco 87	USA	CO2	2.4	2.4	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492T-9-H8	FabCO TR70	USA	CO2	1.2	2.4	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492T-9-H8	Tri-mark TM RX7	USA	CO2	1.2	2.4	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492T-9-H8	FabCo RXR	USA	CO2	1.2	2.4	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492T-9-H8	Eclipse RXR-XLS	USA	CO2	1.2	2.4	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492T-9-H8	Corex VISION HiDep 70	USA	CO2	1.2	2.4	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492T-9M-H16	Fabdual T9M	USA	Ar + 20 to 25%CO2	1.2	2.4	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492T-9M-H8	Corex VISION AP70	USA	Mison 8C	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492T-9M-H8	Corex VISION AP70	USA	Argoshield GP	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	E492T-9M-H8	Corex VISION AP70	USA	Argoshield Pro	1.2	1.6	W48-06
Hobart Brothers Co., Tubular Wire Bu	F43P6-EC1	Metalloy EM13KS	USA	HN-590 (made in Taiwan)			W48-06
Hobart Brothers Co., Tubular Wire Bu	F43P7-EC1	Metalloy EM13KS	USA	HN-511 (made in Taiwan)			W48-06
Hobart Brothers Co., Tubular Wire Bu	F49A4-EC1	Metalloy EM13KS	USA	HA-495 (made in Taiwan)			W48-06
Hobart Brothers Co., Tubular Wire Bu	F49A6-EC1	Metalloy EM13KS	USA	HN-590 (made in Taiwan)	2.0	3.2	W48-06
Hobart Brothers Co., Tubular Wire Bu	F49A7-EC1	Metalloy EM13KS	USA	HN-511 (made in Taiwan)			W48-06
Hobart Brothers Company, SEBU	E308L-16	McKay Sterling AP 308/308L-16	USA	N/A		5.0	W48-06
Hobart Brothers Company, SEBU	E309L-16	McKay Sterling AP 309/309L-16	USA	N/A		5.0	W48-06
Hobart Brothers Company, SEBU	E316L-16	McKay Sterling AP 316/316L-16	USA	N/A		5.0	W48-06
Hobart Brothers Company, SEBU	E4310	Radnor 6010	USA	N/A		4.0	W48-06

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Hobart Brothers Company, SEBU	E4310	Pipemaster Pro-60	USA	N/A		5.0	W48-06
Hobart Brothers Company, SEBU	E4311	Hobart 335A	USA	N/A		5.0	W48-06
Hobart Brothers Company, SEBU	E4311	Cor-Arc 6011	USA	N/A		5.0	W48-06
Hobart Brothers Company, SEBU	E4311	Radnor 6011	USA	N/A		5.0	W48-06
Hobart Brothers Company, SEBU	E4313	Hobart 447C	USA	N/A		5.0	W48-06
Hobart Brothers Company, SEBU	E4914	Hobart 14A	USA	N/A		5.0	W48-06
Hobart Brothers Company, SEBU	E4914	Cor-Arc 7014	USA	N/A		5.0	W48-06
Hobart Brothers Company, SEBU	E4918-1-H4	Hobart 418	USA	N/A		6.0	W48-06
Hobart Brothers Company, SEBU	E4918-1-H4	Radnor 7018	USA	N/A		6.0	W48-06
Hobart Brothers Company, SEBU	E4918-1-H4	McKay 7018XLM	USA	N/A		6.0	W48-06
Hobart Brothers Company, SEBU	E4924-1	Hobart 24	USA	N/A		5.0	W48-06
Hobart Brothers Company, SWBU	B-G 49A 2 C G3 (ER49S-3)	QCL-3 {ncu}	USA	CO2	0.9		W48-06
Hobart Brothers Company, SWBU	B-G 49A 2 C G3 (ER49S-3)	Quantum Arc 3 {cu}	USA	CO2	0.9		W48-06
Hobart Brothers Company, SWBU	B-G 49A 3 C G6 (ER49S-6)	QCL-6 {ncu}	USA	CO2	0.9		W48-06
Hobart Brothers Company, SWBU	B-G 49A 3 C G6 (ER49S-6)	Quantum Arc 6 {cu}	USA	CO2	0.9		W48-06
Hobart Brothers Company, SWBU	B-G 55A 3 C G4M31 (ER80S-D2)	Quantum Arc D2 {cu}	USA	CO2	0.9		W48-06
Hobart Brothers Company, SWBU	B-G 55A 3 C G4M31 (ER80S-D2)	QCL-D2	USA	CO2	0.9		W48-06
Hobart Brothers of Canada, An ITW Ca	E491C-6-H4	FabCor 96	Canada	CO2	1.2	2.0	W48-06
Hobart Brothers of Canada, An ITW Ca	E491C-6M-H4	FabCor 96	Canada	Ar + 5%CO2	1.2	2.0	W48-06
Hobart Brothers of Canada, An ITW Ca	E491C-6MJ-H4	Hobart Edge	Canada	Ar + 5%CO2	1.2	1.2	W48-06
Hobart Brothers of Canada, An ITW Ca	E491C-6MJ-H4	Hobart Edge	Canada	Ar + 20 to 25%CO2	1.2	1.2	W48-06
Hobart Brothers of Canada, An ITW Ca	E491T-9-H8	FabCo XL-71	Canada	CO2	1.2	1.6	W48-06
Hobart Brothers of Canada, An ITW Ca	E491T-9M-H8	FabCo XL-71	Canada	Ar + 8%CO2	1.2	1.6	W48-06
Hobart Brothers of Canada, An ITW Ca	E492C-6MJ-H4	Hobart Edge	Canada	Ar + 20 to 25%CO2	1.4	1.6	W48-06
Hobart Brothers of Canada, An ITW Ca	E492C-6MJ-H4	Hobart Edge	Canada	Ar + 5%CO2	1.4	1.6	W48-06
Hobart Brothers of Canada, An ITW Ca	E492T-9	FabCO RXR	Canada	CO2	1.2	2.4	W48-06
Hobart Brothers of Canada, An ITW Ca	E492T-9	Tri-Mark RX7	Canada	CO2	1.2	2.4	W48-06
Hobart Brothers of Canada, An ITW Ca	E492T-9-H8	FabCo 87	Canada	CO2	2.4	2.4	W48-06
Hyundai Welding Co. Ltd.	B-G 49A 3 C G6 (ER49S-6)	SM-70	China	CO2	0.8		W48-06
Hyundai Welding Co. Ltd.	E491T-1-H8	SF-71	China	CO2	1.2	1.6	W48-06
Hyundai Welding Co. Ltd.	E491T-9M-H8	Supercored 71MAG	China	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Hyundai Welding Co., Ltd.	B-G 49A 3 C G6 (ER49S-6)	SM-70 {cu}	Korea	CO2	0.8		W48-06
Hyundai Welding Co., Ltd.	E308L-16	S-308L.16N	Korea	N/A		5.0	W48-06
Hyundai Welding Co., Ltd.	E309L-16	S-309L.16	Korea	N/A		5.0	W48-06
Hyundai Welding Co., Ltd.	E316L-16	S-316L.16N	Korea	N/A		5.0	W48-06
Hyundai Welding Co., Ltd.	E4310	S-6010.D	Korea	N/A		5.0	W48-06
Hyundai Welding Co., Ltd.	E4313	S-6013.V	Korea	N/A		5.0	W48-06
Hyundai Welding Co., Ltd.	E4918	S-7018.GH	Korea	N/A		5.0	W48-06
Hyundai Welding Co., Ltd.	E4918-1	S-7018.1H	Korea	N/A		5.0	W48-06
Hyundai Welding Co., Ltd.	E491T-1-H8	SF-71	Korea	CO2	1.2	1.6	W48-06
Hyundai Welding Co., Ltd.	E491T-1-H8	Supercored 71	Korea	CO2		1.6	W48-06
Hyundai Welding Co., Ltd.	E491T-12-H8	SF-71MC	Korea	CO2		1.6	W48-06
Hyundai Welding Co., Ltd.	E491T-12J-H4	SC-71SR	Korea	CO2		1.6	W48-06
Hyundai Welding Co., Ltd.	E491T-12M-H8	SF-71MC	Korea	Ar + 20 to 25%CO2		1.6	W48-06
Hyundai Welding Co., Ltd.	E491T-9-H8	Supercored 71H	Korea	CO2	1.2	1.6	W48-06
Hyundai Welding Co., Ltd.	E491T-9M-H4	SC-71LHM Cored	Korea	Ar + 20 to 25%CO2		1.6	W48-06
Hyundai Welding Co., Ltd.	E491T-9M-H8	Supercored 71MAG	Korea	Ar + 20 to 25%CO2	1.2	1.6	W48-06

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Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
Hyundai Welding Co., Ltd.	E492C-6M	Supercored 70NS	Korea	Ar + 20 to 25%CO2	0.9	1.6	W48-06
Hyundai Welding Co., Ltd.	E492T-9-H8	SC-70H Cored	Korea	CO2	1.6	2.4	W48-06
Hyundai Welding Co., Ltd.	F49A5-EM12K	S-717	Korea	M-12K			W48-06
Hyundai Welding Co., Ltd.	F49P5-EM12K	S-717	Korea	M-12K			W48-06
Independent Welding Distributors Coo	B-G 49A 3 C G6 (ER49S-6)	Weldmark 70S-6 Plus {cu}	Mexico	CO2	0.6		W48-06
Independent Welding Distributors Coo	B-G 49A 3 C G6 (ER49S-6)	Weldmark 70S-6 Plus {cu}	USA	CO2	0.6		W48-06
Indura S. A.	B-G 49A 2 C G3 (ER49S-3)	Indura 70S-3 {cu}	Chile	CO2	0.8		W48-06
Indura S. A.	B-G 49A 3 C G6 (ER49S-6)	Indura 70S-6 {cu}	Chile	CO2	0.8		W48-06
Indura S.A.	B-G 49A 3 C G6 (ER49S-6)	Fidentia Welding ER70S-6	China	CO2	0.8		W48-06
Inweld Canada	E308L-16	Habco 308L-16	USA	N/A		4.0	W48-06
Inweld Canada	E309L-16	Habco 309L-16	USA	N/A		4.0	W48-06
Inweld Canada	E316L-16	Habco 316L-16	USA	N/A		4.0	W48-06
Inweld Canada	E4918-1	Habco Re-Arc 18	USA	N/A		5.0	W48-06
Italfil S.P.A.	B-G 49A 2 C G3 (ER49S-3)	IT-SG1 {cu}	Italy	CO2	0.8		W48-06
Italfil S.P.A.	B-G 49A 3 C G6 (ER49S-6)	IT-SG2 {cu}	Italy	CO2	0.8		W48-06
Jinzhou Jintai Welding & Metal Co.,	B-G 49A 2 C G3 (ER49S-3)	ER70S-3	China	CO2	0.6		W48-06
Jinzhou Jintai Welding & Metal Co.,	B-G 49A 3 C G6 (ER49S-6)	ER70S-6	China	CO2	0.6		W48-06
Jinzhou Jintai Welding & Metal Co.,	E4915	JL-507	China	N/A		5.0	W48-06
Jinzhou Jintai Welding & Metal Co.,	F49A4-EH14	JW-1 {cu}	China	JF-B (Made in China)			W48-06
Kiswel Inc.	E491T-1-H8	K-71TM	USA	CO2	1.2	1.6	W48-06
Kiswel Inc.	E491T-1M-H8	K-71TM	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Kiswel Inc.	E491T-9-H8	K-71T Plus	USA	CO2	1.2	1.6	W48-06
Kiswel Inc.	E491T-9M-H16	K-71T Plus	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Kiswel Inc.	E492C-3M-H4	KX-70CM	USA	Ar + 20 to 25%CO2	1.6	1.6	W48-06
Kiswel Inc.	E492C-6M-H8	KX-706M	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Kiswel Inc.	E492T-9-H8	K-70ST	USA	CO2	1.6	2.4	W48-06
Kiswel Inc.	E492T-9M	K-70ST	USA	Ar + 20 to 25%CO2	1.6	2.4	W48-06
Kiswel Ltd.	B-G 49A 3 C G6 (ER49S-6)	KC-28	Korea	CO2	0.8		W48-06
Kiswel Ltd.	E4918	K-7018	Korea	N/A		5.0	W48-06
Kiswel Ltd.	E491T-1-H8	K-71TLF	Korea	CO2	1.2	1.6	W48-06
Kiswel Ltd.	E491T-1M-H8	K-71TLF	Korea	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Kiswel Ltd.	E491T-9-H8	K-71T	Korea	CO2	1.1	1.6	W48-06
Kiswel Ltd.	E491T-9M-H16	K-71T	Korea	Ar + 10%CO2	1.1	1.6	W48-06
Kiswel Ltd.	E491T-GS	K-NGS	Korea	N/A	0.8	2.4	W48-06
Kiswel Ltd.	E492C-6M-H8	KX-706M	Korea	Ar + 20 to 25%CO2	1.1	1.6	W48-06
Kiswel Ltd.	E492C-6M-H8	KX-706M	Korea	Ar + 2%CO2	1.1	1.6	W48-06
Kiswel Ltd.	E5518-C3	K-8018C3	Korea	N/A		5.0	W48-06
Kobe Steel, Ltd.	E491T-1-H8	FRONTIARC-711	Japan	CO2	1.1	1.6	W48-06
Kobe Steel, Ltd.	E491T-12MJ-H8	DW-A55ESR	Japan	Ar + 20 to 25%CO2	1.1	1.6	W48-06
Kobe Steel, Ltd.	E491T-1M-H8	FRONTIARC-711	Japan	Ar + 20 to 25%CO2	1.1	1.6	W48-06
Kobe Steel, Ltd.	E491T-9-H8	FRONTIARC-711	Japan	CO2	1.1	1.6	W48-06
Kobe Steel, Ltd.	E491T-9-H8	DW-50	Japan	CO2	1.1	1.6	W48-06
Kobe Steel, Ltd.	E491T-9M-H8	FRONTIARC-711	Japan	Ar + 20 to 25%CO2	1.1	1.6	W48-06
Kobe Steel, Ltd.	E491T-9M-H8	DW-50	Japan	Ar + 20 to 25%CO2	1.1	1.6	W48-06
Kobe Steel, Ltd.	E492C-6M-H4	MX-A70C6	Japan	Ar + 20 to 25%CO2	1.1	1.6	W48-06
Kobe Steel, Ltd.	E492C-6M-H4	MX-A70C6	Japan	Ar + 5%CO2	1.1	1.6	W48-06
Kobe Steel, Ltd.	E492C-6M-H4	MX-A70C6LF	Japan	Ar + 5%CO2	1.1	1.6	W48-06

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Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
Kobe Steel, Ltd.	E492C-6M-H4	MX-A70C6LF	Japan	Ar + 20 to 25%CO2	1.1	1.6	W48-06
Kobe Welding of Korea Co., Ltd.	E491T-9-H8	FRONTIARC-711	Korea	CO2	1.1	1.6	W48-06
Kobe Welding of Korea Co., Ltd.	E491T-9M-H8	FRONTIARC-711	Korea	Ar + 20 to 25%CO2	1.1	1.6	W48-06
Kobelco Welding of Europe B.V.	E491T-9-H8	DW-50	Netherlands	CO2	1.1	1.6	W48-06
Kobelco Welding of Europe B.V.	E491T-9M-H8	DW-50	Netherlands	Ar + 20 to 25%CO2	1.1	1.6	W48-06
Kuang Tai Metal Ind. Co. Ltd.	E491T-1	KFX-71T	Taiwan	CO2	1.2	1.2	W48-06
Lafili s.r.l.	B-G 49A 3 C G6 (ER49S-6)	LA/S6N {cu}	Italy	CO2	0.6		W48-06
Lincoln Electric (UK) Limited	B-G 49A 3 C G6 (ER49S-6)	SupraMIG Ultra	United Kingdom	CO2	1.0		W48-06
Lincoln Electric Italia S.r.l. a soc	B-G 49A 3 C G6 (ER49S-6)	UltraMag SG3	Italy	CO2	0.6		W48-06
Lincoln Electric Manufactura S.A. DE	B-G 49A 2 C G3 (ER49S-3)	L-S3 {cu}	Mexico	CO2	0.8		W48-06
Lincoln Electric Manufactura S.A. DE	B-G 49A 2 C G3 (ER49S-3)	L-50 {cu}	Mexico	CO2	0.8		W48-06
Lincoln Electric Manufactura S.A. DE	B-G 49A 3 C G6 (ER49S-6)	Lincoln L-S6 {cu}	Mexico	CO2	0.6		W48-06
Lincoln Electric Manufactura S.A. DE	B-G 49A 3 C G6 (ER49S-6)	Lincoln L-56 {cu}	Mexico	CO2	0.6		W48-06
Lincoln Electric of Canada LP	B-G 49A 2 C G3 (ER49S-3)	Superarc L-50 {cu}	USA	CO2	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 2 C G3 (ER49S-3)	Superglide S3 {ncu}	USA	CO2	0.9		W48-06
Lincoln Electric of Canada LP	B-G 49A 2 C G3 (ER49S-3)	Superarc L-58	USA	CO2	0.9		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G2 (ER49S-2)	Superarc L-52 {cu}	USA	CO2			W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G2 (ER49S-2)	Lincoln ER70S-02 {cu}	USA	CO2			W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G3 (ER49S-3)	Superarc L-50	Canada	Linde Mison 8C	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G4 (ER49S-4)	Superarc L-54 {cu}	USA	CO2	0.9		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-56 {cu}	USA	CO2	0.6		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-56 {cu}	Canada	CO2	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Arcweld Easyarc 706 {cu}	Canada	CO2	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Arcweld Easyarc 706 {cu}	Canada	TIME	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-56 {cu}	Canada	Mig Mix Gold Hi-Dep	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	S-6 Ecowire Spool {cu}	Canada	CO2	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superglide S6 {ncu}	USA	CO2	0.9		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Lincoln S-6	China	CO2	0.6		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Arcweld Easyarc 706 {cu}	Canada	Argoshield Pro	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-56 {cu}	Canada	Argoshield Pro	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Lincoln ER70S-6 {cu}	USA	CO2	0.6		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Prostar S-6 {cu}	USA	CO2	0.6		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-56 {cu}	Canada	Argoshield Universal	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-56 {cu}	Canada	Argoshield GP	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Murex S-6 {cu}	Canada	CO2	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Murex S-6	China	CO2	0.6		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Murex S-6	USA	CO2	0.6		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-59	USA	CO2	0.9		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-56	Canada	Linde Mison 8C	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-59	USA	Linde Mison 8C	0.9		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-56 {cu}	Canada	Linde Mison 25C	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-59	USA	Linde Mison 25C	0.9		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	S-6 Mig	Canada	CO2	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-59	Canada	Linde Mison 8C	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-59	Canada	CO2	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-56 {cu}	Canada	Argoshield Light	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-56 {cu}	Canada	Argoshield 8C	0.8		W48-06

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Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-56 {cu}	Canada	Argoshield 25C	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-59	Canada	Argoshield Light	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-59	Canada	Argoshield 8C	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-59	Canada	Argoshield 25C	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-59	Canada	Argoshield Universal	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-59	Canada	Argoshield Pro	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A 3 C G6 (ER49S-6)	Superarc L-59	Canada	Argoshield GP	0.8		W48-06
Lincoln Electric of Canada LP	B-G 49A3 C G3 (ER49S-3)	Superarc L-50 {cu}	Canada	CO2	0.9		W48-06
Lincoln Electric of Canada LP	B-G 49A3 C G3 (ER49S-3)	Arcweld Easyarc 703 {cu}	Canada	CO2	0.9		W48-06
Lincoln Electric of Canada LP	B-G 49A3 C-G3 (ER49S-3)	Murex S-3	Canada	CO2	0.9		W48-06
Lincoln Electric of Canada LP	B-G 55A 3 C G4M31	Superarc LA-90	Canada	CO2			W48-06
Lincoln Electric of Canada LP	E308-16	Red Baron 308/308H MR	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E308-16	Excalibur 308/308H-16	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E308-17	Blue Max 308/308L AC-DC	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E308-17	Excalibur 308/308L-17	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E308H-16	Red Baron 308/308H MR	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E308H-16	Excalibur 308/308H-16	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E308L-16	Red Baron 308L MR	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E308L-16	Excalibur 308L-16	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E308L-17	Blue Max 308/308L AC-DC	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E308L-17	Excalibur 308/308L-17	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E309-16	Red Baron 309/309L MR	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E309-16	Excalibur 309/309L-16	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E309-17	Blue Max 309/309L AC-DC	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E309-17	Excalibur 309/309L-17	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E309L-16	Red Baron 309/309L MR	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E309L-16	Excalibur 309/309L-16	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E309L-17	Blue Max 309/309L AC-DC	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E309L-17	Excalibur 309/309L-17	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E310-16	Red Baron 310 MR	USA	N/A		4.0	W48-06
Lincoln Electric of Canada LP	E316-15	Red Baron 316/316L-V MR	USA	N/A		3.2	W48-06
Lincoln Electric of Canada LP	E316-15	Excalibur 316/316L-15	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E316-16	Red Baron 316/316L MR	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E316-16	Excalibur 316/316L-16	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E316-17	Blue Max 316/316L AC-DC	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E316-17	Excalibur 316/316L-17	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E316L-15	Red Baron 316/316L-V MR	USA	N/A		3.2	W48-06
Lincoln Electric of Canada LP	E316L-15	Excalibur 316/316L-15	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E316L-16	Red Baron 316/316L MR	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E316L-16	Excalibur 316/316L-16	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E316L-17	Blue Max 316/316L AC-DC	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E316L-17	Excalibur 316/316L-17	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E4310	Pipeliener 6P+	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E4310	Fleetweld 5P	USA	N/A			W48-06
Lincoln Electric of Canada LP	E4310	Arcweld Easyarc 10	USA	N/A			W48-06
Lincoln Electric of Canada LP	E4310	Fleetweld 5P+	USA	N/A			W48-06
Lincoln Electric of Canada LP	E4311	Fleetweld 35LS	USA	N/A		4.0	W48-06

# List of Electrodes for 09/07/2010

(Sorted by Standard / Company Name/ Classification)

Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
Lincoln Electric of Canada LP	E4311	Fleetweld 180	USA	N/A		4.0	W48-06
Lincoln Electric of Canada LP	E4311	Fleetweld 35+	USA	N/A			W48-06
Lincoln Electric of Canada LP	E4311	Arcweld 230	USA	N/A			W48-06
Lincoln Electric of Canada LP	E4313	Fleetweld 37+	USA	N/A		4.0	W48-06
Lincoln Electric of Canada LP	E4313	Arcweld Satinarc	USA	N/A		4.0	W48-06
Lincoln Electric of Canada LP	E4313	Fleetweld 37	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E4327	Jetweld 2	USA	N/A			W48-06
Lincoln Electric of Canada LP	E4910-A1	Shield-Arc 85	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E4910-P1	Shield-Arc HYP+	USA	N/A			W48-06
Lincoln Electric of Canada LP	E4914	Fleetweld 47	USA	N/A			W48-06
Lincoln Electric of Canada LP	E4914	Arcweld Easyarc 14	USA	N/A			W48-06
Lincoln Electric of Canada LP	E4918	Excalibur 7018 MR	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E4918-1	Arcweld Easyarc 528 MR	USA	N/A			W48-06
Lincoln Electric of Canada LP	E4918-1	Jetweld LH-70	USA	N/A			W48-06
Lincoln Electric of Canada LP	E4918-1	Jet LH-78 MR	USA	N/A			W48-06
Lincoln Electric of Canada LP	E4918-1	Formula 1 LH	USA	N/A			W48-06
Lincoln Electric of Canada LP	E4918-1	Arcweld Easyarc 328 MR	USA	N/A			W48-06
Lincoln Electric of Canada LP	E4918-1	Excalibur 7018-1 MR	USA	N/A		6.0	W48-06
Lincoln Electric of Canada LP	E4918-A1	Excalibur E7018-A1 MR	USA	N/A		4.0	W48-06
Lincoln Electric of Canada LP	E4918-H8	Lincoln 7018AC	USA	N/A		4.0	W48-06
Lincoln Electric of Canada LP	E491C-6M-H8	Metalshield MC-710XL	USA	Ar + 20 to 25%CO2	1.1	1.6	W48-06
Lincoln Electric of Canada LP	E491C-6M-H8	Metalshield MC-710XL	USA	Ar + 8%CO2	1.1	1.6	W48-06
Lincoln Electric of Canada LP	E491C-6MJ-H4	Metalshield MC-6	Canada	Ar + 5%CO2	1.1	1.6	W48-06
Lincoln Electric of Canada LP	E491C-6MJ-H4	Metalshield MC-6	Canada	Argoshield Pro	1.1	1.6	W48-06
Lincoln Electric of Canada LP	E491C-6MJ-H4	Metalshield MC-6	Canada	Ar + 20 to 25%CO2	1.1	1.6	W48-06
Lincoln Electric of Canada LP	E491C-6MJ-H4	Metalshield MC-6	Canada	Ar + 5%O2	1.1	1.6	W48-06
Lincoln Electric of Canada LP	E491C-6MJ-H4	Metalshield MC-6	Canada	Linde Mison 25C	1.1	1.6	W48-06
Lincoln Electric of Canada LP	E491C-6MJ-H4	Metalshield MC-6	Canada	Linde Mison 8C	1.1	1.6	W48-06
Lincoln Electric of Canada LP	E491C-6MJ-H4	Metalshield MC-6	Canada	Linde Mison 15C	1.1	1.6	W48-06
Lincoln Electric of Canada LP	E491T-11-H16	Innershield NR-211-MP	USA	N/A	0.8	2.4	W48-06
Lincoln Electric of Canada LP	E491T-11-H16	Innershield NR-211-MP	USA	N/A	0.8	0.9	W48-06
Lincoln Electric of Canada LP	E491T-12J-H8	UltraCore 712C	USA	CO2			W48-06
Lincoln Electric of Canada LP	E491T-12MJ-H4	UltraCore 712A80-H	USA	Ar + 20 to 25%CO2	1.1	1.6	W48-06
Lincoln Electric of Canada LP	E491T-12MJ-H8	UltraCore 712A80	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Lincoln Electric of Canada LP	E491T-8-H16	Innershield NR-232	USA	N/A	1.7	2.0	W48-06
Lincoln Electric of Canada LP	E491T-8-H16	Innershield NR-203MP	USA	N/A	1.7	2.0	W48-06
Lincoln Electric of Canada LP	E491T-9-H16	Outershield 71M	USA	CO2	0.9	1.6	W48-06
Lincoln Electric of Canada LP	E491T-9-H8	Outershield 71 Elite	Canada	CO2	1.1	2.0	W48-06
Lincoln Electric of Canada LP	E491T-9-H8	Alcan E491T-1	Canada	CO2	2.0	2.0	W48-06
Lincoln Electric of Canada LP	E491T-9-H8	UltraCore 71C	USA	CO2	1.2	1.6	W48-06
Lincoln Electric of Canada LP	E491T-9-H8	UltraCore 71A75 Dual	USA	CO2	1.2	1.6	W48-06
Lincoln Electric of Canada LP	E491T-9-H8	Outershield 71 Supreme	Canada	CO2	1.1	1.6	W48-06
Lincoln Electric of Canada LP	E491T-9J-H8	UltraCore 712C	USA	CO2			W48-06
Lincoln Electric of Canada LP	E491T-9M-H16	Outershield 71M	USA	Ar + 20 to 25%CO2	0.9	1.6	W48-06
Lincoln Electric of Canada LP	E491T-9M-H16	Outershield 71M	USA	All-core	1.1	1.6	W48-06
Lincoln Electric of Canada LP	E491T-9M-H8	Outershield 71 Elite	Canada	Ar + 15%CO2	1.1	2.0	W48-06
Lincoln Electric of Canada LP	E491T-9M-H8	UltraCore 71A85	USA	Ar + 20 to 25%CO2	1.1	1.6	W48-06

## List of Electrodes for 09/07/2010

(Sorted by Standard / Company Name/ Classification)

Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
Lincoln Electric of Canada LP	E491T-9M-H8	UltraCore 71A85	USA	Ar + 15%CO2	1.1	1.6	W48-06
Lincoln Electric of Canada LP	E491T-9M-H8	Alcan E491T-1	Canada	Ar + 15%CO2	2.0	2.0	W48-06
Lincoln Electric of Canada LP	E491T-9M-H8	UltraCore 71A75 Dual	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Lincoln Electric of Canada LP	E491T-9M-H8	Outershield 71 Supreme	Canada	Ar + 20 to 25%CO2	1.1	1.6	W48-06
Lincoln Electric of Canada LP	E491T-9M-H8	Outershield 71 Elite	Canada	Linde Mison 25C	1.1	1.6	W48-06
Lincoln Electric of Canada LP	E491T-9MJ-H4	UltraCore 712A80-H	USA	Ar + 20 to 25%CO2	1.1	1.6	W48-06
Lincoln Electric of Canada LP	E491T-9MJ-H8	UltraCore 712A80	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Lincoln Electric of Canada LP	E4924-1	Jetweld 1	USA	N/A			W48-06
Lincoln Electric of Canada LP	E4924-1	Arcweld Easyarc 12	USA	N/A			W48-06
Lincoln Electric of Canada LP	E4928-H8	Excalibur 7028	USA	N/A			W48-06
Lincoln Electric of Canada LP	E492C-6M-H4	CWS E492C-G	Canada	Ar + 15%CO2	2.0	2.0	W48-06
Lincoln Electric of Canada LP	E492C-6M-H4	Lincoln E492C-6M	Canada	Ar + 15%CO2	2.0	2.0	W48-06
Lincoln Electric of Canada LP	E492C-6MJ-H4	Metalshield MC-706	Canada	Ar + 20 to 25%CO2	1.1	1.6	W48-06
Lincoln Electric of Canada LP	E492C-6MJ-H4	Metalshield MC-706	Canada	Ar + 8%CO2	1.1	1.6	W48-06
Lincoln Electric of Canada LP	E492C-6MJ-H4	Metalshield MC-706	Canada	Linde Mison 8C	1.1	1.6	W48-06
Lincoln Electric of Canada LP	E492C-6MJ-H4	Metalshield MC-706	Canada	Linde Mison 15C	1.1	1.6	W48-06
Lincoln Electric of Canada LP	E492C-6MJ-H4	Metalshield MC-706	Canada	Linde Mison 25C	1.1	1.6	W48-06
Lincoln Electric of Canada LP	E492T-4-H16	Innershield NS-3M	USA	N/A	2.0	3.0	W48-06
Lincoln Electric of Canada LP	E492T-5J-H4	UltraCore 75C	USA	CO2	1.6	2.4	W48-06
Lincoln Electric of Canada LP	E492T-7	Innershield NR-311	USA	N/A	2.0	2.8	W48-06
Lincoln Electric of Canada LP	E492T-9-H16	Outershield 70	USA	CO2	1.6	2.4	W48-06
Lincoln Electric of Canada LP	E492T-9-H8	UltraCore 70C	USA	CO2	1.6	2.4	W48-06
Lincoln Electric of Canada LP	E5510-G	Shield-Arc 70+	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E5510-G	Shield-Arc 80	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E5510-P1	Pipeliner 8P+	USA	N/A		5.0	W48-06
Lincoln Electric of Canada LP	E5518-B2 (E8018-B2-H4R)	Excalibur 8018-B2 MR	USA	N/A	2.4	4.0	W48-06
Lincoln Electric of Canada LP	E5518-B2 (E8018-B2-H4R)	Excalibur 8018-B2 XF MR	USA	N/A	2.4	4.0	W48-06
Lincoln Electric of Canada LP	E5518-C1	Excalibur E8018-C1 MR	USA	N/A			W48-06
Lincoln Electric of Canada LP	E5518-C3	Excalibur 8018-C3 MR	USA	N/A			W48-06
Lincoln Electric of Canada LP	E6218-B3 (E9018-B3-H4R)	Excalibur 9018-B3 MR	USA	N/A	2.4	4.0	W48-06
Lincoln Electric of Canada LP	E6918-D2 (E10018-D2-H4R)	Excalibur 10018-D2 MR	USA	N/A	2.4	4.0	W48-06
Lincoln Electric of Canada LP	F43A3-EL12	Lincolnweld L-60 {cu}	Canada	Lincolnweld 760 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A2-EL12	Lincolnweld L-60 {cu}	Canada	Lincolnweld 780 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A2-EL12	Lincolnweld L-60 {cu}	USA	Lincolnweld 780 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A2-EM12K	Lincolnweld L-61 {cu}	USA	Lincolnweld 781 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A2-EM12K	Lincolnweld L-61 {cu}	Canada	Lincolnweld 781 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A2-EM13K	Lincolnweld L-50 {cu}	Canada	Lincolnweld 781 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A2-EM13K	Lincolnweld L-50 {cu}	USA	Lincolnweld 781 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A3-EC1	Lincolnweld LC-72 {cu}	USA	Lincolnweld 980 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A3-EL12	Lincolnweld L-60 {cu}	Canada	Lincolnweld 761 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A3-EM12K	Lincolnweld L-61 {cu}	Canada	Lincolnweld 761 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A3-EM12K	Lincolnweld L-61 {cu}	Canada	Lincolnweld 780 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A3-EM12K	Lincolnweld L-61 {cu}	Canada	Lincolnweld 760 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A3-EM12K	Lincolnweld L-61 {cu}	USA	Lincolnweld 960 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A3-EM12K	Lincolnweld L-61 {cu}	Canada	Lincolnweld 960 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A3-EM12K	Lincolnweld L-61 {cu}	USA	Lincolnweld 780 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A3-EM12K	Lincolnweld L-61 {cu}	USA	Lincolnweld 980 (made in USA)			W48-06

# List of Electrodes for 09/07/2010

(Sorted by Standard / Company Name/ Classification)

Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
Lincoln Electric of Canada LP	F49A3-EM12K	Lincolnweld L-61 {cu}	Canada	Lincolnweld 980 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A3-EM12K-H8	Lincolnweld L-61 {cu}	USA	Lincolnweld 761 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A3-EM13K	Lincolnweld L-50 {cu}	USA	Lincolnweld 980 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A3-EM13K-H8	Lincolnweld L-50	USA	Lincolnweld 761 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A4-EM12K	Lincolnweld L-61 {cu}	Canada	Lincolnweld 860 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A5-EM13K	Lincolnweld L-50 {cu}	Canada	Lincolnweld 880M (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A6-EH11K-H8	Lincolnweld L-56 {cu}	Canada	Lincolnweld 880M (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A6-EH12K-H8	Lincolnweld L-S3	USA	Lincolnweld P223 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A6-EM12K	Lincolnweld L-61 {cu}	Canada	Lincolnweld 882 (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A6-EM12K-H8	Lincolnweld L-61 {cu}	USA	Lincolnweld WTX (made in USA)			W48-06
Lincoln Electric of Canada LP	F49A6-EM12K-H8	Lincolnweld L-61 {cu}	Canada	Lincolnweld WTX (made in USA)			W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Weldco S-6 {cu}	Canada	CO2	0.8		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Solidarc 115 {cu}	Canada	CO2	0.8		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Maxx S6 {cu}	Italy	CO2	0.6		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Maxx S6 (Non Copper Coated) {ncu}	Italy	CO2	0.6		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Weldco S-6 {cu}	Canada	Coogar	0.8		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Weldco S-6 {cu}	Canada	Argoshield Pro	0.8		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Solidarc 115 {cu}	Canada	TIME	0.8		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Maxx S6 {cu}	Italy	Argoshield Pro	0.6		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Solidarc 115 {cu}	Canada	Argoshield Pro	0.8		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Solidarc 115 {cu}	Canada	Argoshield Universal	0.8		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Solidarc LS-6	China	CO2	0.6		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Solidarc CS-6	China	CO2	0.6		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Linde S-6 {cu}	Canada	CO2	0.8		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Linde S-6 {cu}	Canada	Linde Mison 8C	0.8		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Solidarc 115	Canada	Linde Mison 8C	0.8		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Linde S-6 {cu}	Canada	Argoshield Pro	0.8		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Linde S-6 {cu}	Canada	Linde Mison 25C	0.8		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Linde S-6 {cu}	Canada	Argoshield GP	0.8		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Linde S-6 {cu}	Canada	Argoshield Universal	0.8		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Linde S-6 {cu}	Canada	Argoshield Light	0.8		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Solidarc 115 {cu}	Canada	Argoshield Light	0.8		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Linde S-6 {cu}	Canada	Argoshield 8C	0.8		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Solidarc 115 {cu}	Canada	Argoshield 8C	0.8		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Linde S-6 {cu}	Canada	Argoshield 25C	0.8		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Solidarc 115 {cu}	Canada	Argoshield 25C	0.8		W48-06
Linde Canada Limited	B-G 49A 3 C G6 (ER49S-6)	Solidarc 115 {cu}	Canada	Argoshield GP	0.8		W48-06
Linde Canada Limited	E4310	BOC E6010 Plus	USA	N/A			W48-06
Linde Canada Limited	E4310	BOC E6010-IP	USA	N/A			W48-06
Linde Canada Limited	E4310	Linde E6010-IP	USA	N/A			W48-06
Linde Canada Limited	E4311	BOC E6011	USA	N/A			W48-06
Linde Canada Limited	E4311	Linde E6011	USA	N/A			W48-06
Linde Canada Limited	E4313	BOC E6013-V	USA	N/A		4.0	W48-06
Linde Canada Limited	E4313	Linde E6013-V	USA	N/A		4.0	W48-06
Linde Canada Limited	E4914	Linde E7014-IP	USA	N/A			W48-06
Linde Canada Limited	E4918-1	BOC E7018-MR	USA	N/A	5.0	5.0	W48-06
Linde Canada Limited	E4918-1	BOC E7018-1 Max	USA	N/A		6.0	W48-06

## List of Electrodes for 09/07/2010

(Sorted by Standard / Company Name/ Classification)

Company Name	Classification	Electrode Designation	Point of Manufacture	Flux Gas	Min.	Max.	Standard
Linde Canada Limited	E4918-1	BOC E7018-IP	USA	N/A			W48-06
Linde Canada Limited	E4918-1	BOC Extra	USA	N/A		5.0	W48-06
Linde Canada Limited	E4918-1	Linde E7018-1 MR Performance Plus	USA	N/A			W48-06
Linde Canada Limited	E4918-1	Linde Extra	USA	N/A		5.0	W48-06
Linde Canada Limited	E4918-H8	Linde E7018 AC	USA	N/A		4.0	W48-06
Linde Canada Limited	E4924-1	BOC E7024-IP	USA	N/A			W48-06
Linde Canada Limited	E4924-1	Linde E7024-IP	USA	N/A			W48-06
Map Canada Ltd.	B-G 49A 2 C G3 (ER49S-3)	Super MIG 73	China	CO2	0.8		W48-06
Map Canada Ltd.	B-G 49A 3 C G6 (ER49S-6)	Super Mig 70 {cu}	Korea	CO2	0.9		W48-06
Map Canada Ltd.	B-G 49A 3 C G6 (ER49S-6)	Super Mig 70 {cu}	China	CO2	0.8		W48-06
Map Canada Ltd.	E491T-9-H8	Super Mig SFC-71	China	CO2	1.2	1.6	W48-06
Map Canada Ltd.	E491T-9M-H8	Super Mig SFC-70	China	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Map Canada Ltd.	E492T-9-H8	Super Mig SFC-70	China	CO2	1.2	1.6	W48-06
Messer - MG Welding Products	E308-16	Slik Stik 6308	USA	N/A		4.0	W48-06
Messer - MG Welding Products	E308L-16	Slik Stik 6308L	USA	N/A		4.0	W48-06
Messer - MG Welding Products	E309-16	Slik Stik 6309	USA	N/A		4.0	W48-06
Messer - MG Welding Products	E309L-16	Slik Stik 6309L	USA	N/A		4.0	W48-06
Messer - MG Welding Products	E316-16	Slik Stik 6316	USA	N/A		4.0	W48-06
Messer - MG Welding Products	E316L-16	Slik Stik 6316L	USA	N/A		4.0	W48-06
Messer - MG Welding Products	E4918-1	MG 7018-1	USA	N/A		5.0	W48-06
Michigan Arc Products Inc.	E491C-6-H8	Map 70C-6M	USA	CO2	0.9	2.4	W48-06
Michigan Arc Products Inc.	E491C-6M-H8	Map 70C-6M	USA	Ar + 5%CO2	0.9	2.4	W48-06
Michigan Arc Products Inc.	E491T-9-H8	MAP 71T1LF	USA	CO2	1.2	1.6	W48-06
Michigan Arc Products Inc.	E491T-9M-H8	MAP 71T1LF	USA	Ar + 15%CO2			W48-06
National Standard	E491T-9-H8	Tru-Cor FC 71T	USA	CO2	1.2	1.6	W48-06
National Standard	E491T-9M-H8	Tru-Cor FC 71T	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
National Standard	E492C-6M-H4	Tru-Core MC 70C	USA	Ar + 5%CO2	1.2	1.6	W48-06
National Standard	E492C-6M-H4	Tru-Core MC 70C	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
National Standard	E492T-9-H8	Tru-Cor FC 70T	USA	CO2	1.6	2.4	W48-06
National Standard LLC	B-G 49A 2 C G3 (ER49S-3)	NS-101 {cu}	USA	CO2	1.2		W48-06
National Standard LLC	B-G 49A 2 C G3 (ER49S-3)	NS-101CF {ncu}	USA	CO2	1.2		W48-06
National Standard LLC	B-G 49A 2 C G3 (ER49S-3)	Std Arc S-3	USA	CO2	1.2		W48-06
National Standard LLC	B-G 49A 2 C G3 (ER49S-3)	P3 S-3	USA	CO2	1.2		W48-06
National Standard LLC	B-G 49A 3 C G6 (ER49S-6)	NS-115CF {ncu}	USA	CO2	0.6		W48-06
National Standard LLC	B-G 49A 3 C G6 (ER49S-6)	NS-115 {cu}	USA	CO2	0.6		W48-06
National Standard LLC	B-G 49A 3 C G6 (ER49S-6)	NS-115CF {ncu}	USA	TIME	0.6		W48-06
National Standard LLC	B-G 49A 3 C G6 (ER49S-6)	NS-115 {cu}	USA	Argoshield Pro	0.6		W48-06
National Standard LLC	B-G 49A 3 C G6 (ER49S-6)	Std Arc S-6	USA	CO2	0.6		W48-06
National Standard LLC	B-G 49A 3 C G6 (ER49S-6)	P3 S-6	USA	CO2	0.6		W48-06
Nippon Steel & Sumikin Welding Co.,	E491T-1M-H4	Nittetsu SF-1A	Japan	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Nippon Steel & Sumikin Welding Co.,	E491T-9MJ-H4	Nittetsu SF-3A	Japan	Ar + 20 to 25%CO2	1.2	1.4	W48-06
ORS Nasco, Inc.	B-G 49A 5 C G6 (ER49S-6)	Anchor Brand (ER49S-6)	Italy	CO2	0.6		W48-06
Oerlikon Kaynak Elektrolari ve San.	B-G 49A 2 C G3 (ER49S-3)	MG 1	Turkey	CO2	0.8		W48-06
Oerlikon Kaynak Elektrolari ve San.	B-G 49A 3 C G6 (ER49S-6)	MG 2	Turkey	CO2	0.8		W48-06
Oerlikon Kaynak Elektrolari ve San.	E308L-16	EI 308L	Turkey	N/A		5.0	W48-06
Oerlikon Kaynak Elektrolari ve San.	E316L-16	EI 316L	Turkey	N/A		5.0	W48-06
Oerlikon Kaynak Elektrolari ve San.	E4310	ESC 60	Turkey	N/A		5.0	W48-06

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Oerlikon Kaynak Elektrodleri ve San.	E4311	ESC 61	Turkey	N/A		5.0	W48-06
Oerlikon Kaynak Elektrodleri ve San.	E4313	ESR 13	Turkey	N/A		5.0	W48-06
Oerlikon Kaynak Elektrodleri ve San.	E4914	ESR 14	Turkey	N/A		5.0	W48-06
Oerlikon Kaynak Elektrodleri ve San.	E4916-H8	ESB 44 (2 hours baking at min. 300	Turkey	N/A		5.0	W48-06
Oerlikon Kaynak Elektrodleri ve San.	E4918-1-H8	ESB 52 (2 hours baking at min 300°C	Turkey	N/A		5.0	W48-06
Oerlikon Kaynak Elektrodleri ve San.	E4918-H8	ESB 48 (2 hours baking at min. 300	Turkey	N/A		5.0	W48-06
Oerlikon Kaynak Elektrodleri ve San.	E491T-1	FCW 11	Turkey	CO2	1.2	1.6	W48-06
Oxford Alloys, Inc.	B-G 49A 2 C G3 (ER49S-3)	Oxford Alloys ER70S-3	China	CO2	0.6		W48-06
Oxford Alloys, Inc.	B-G 49A 3 C G6 (ER49S-6)	Oxford Alloys ER70S-6	China	CO2	0.6		W48-06
Praxair Canada Inc.	B-G 49A 2 C G3 (ER49S-3)	Prostar S-3 {cu}	Italy	CO2	1.2		W48-06
Praxair Canada Inc.	B-G 49A 3 C G6 (ER49S-6)	Praxair S-6 {cu}	Canada	CO2	0.8		W48-06
Praxair Canada Inc.	B-G 49A 3 C G6 (ER49S-6)	Praxair S-6 EnvirosPOOL {cu}	Canada	CO2	0.8		W48-06
Praxair Canada Inc.	B-G 49A 5 C G6 (ER49S-6)	Prostar ER70S-6	Italy	CO2	0.6		W48-06
Praxair Canada Inc.	B-G 49A 5 C G6 (ER49S-6)	Prostar ER70S-6	Italy	TIME	0.6		W48-06
Praxair Canada Inc.	B-G 55A 5 M G4M31 (ER55S-D2)	Prostar D2	Italy	Ar + 15%CO2	0.9		W48-06
Praxair Canada Inc.	E4918-1	Prostar Select 7018	Hungary	N/A			W48-06
Praxair Canada Inc.	E491C-6M-H4	Prostar StarCore 6	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Praxair Canada Inc.	E491C-6M-H4	Prostar StarCore 6	USA	Mig Mix Gold	1.2	1.6	W48-06
Praxair Canada Inc.	E491C-6M-H4	Prostar Starcore 6LF	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Praxair Canada Inc.	E491C-6M-H4	Prostar Starcore 6LF	USA	Ar + 5%CO2	1.2	1.6	W48-06
Praxair Canada Inc.	E491C-6M-H4	Prostar StarCore 6	USA	Ar + 5%CO2	1.2	1.6	W48-06
Praxair Canada Inc.	E491C-6M-H4	Prostar StarCore 6	USA	Ar + 20 to 25%CO2	0.9	0.9	W48-06
Praxair Canada Inc.	E491C-6M-H4	Prostar StarCore 6	USA	Ar + 5%CO2	0.9	0.9	W48-06
Praxair Canada Inc.	E491C-6M-H4	Prostar StarCore 6	USA	Mig Mix Gold	0.9	0.9	W48-06
Praxair Canada Inc.	E491C-6M-H4	Prostar StarCore 6	USA	Ar + 5%O2	1.2	1.6	W48-06
Praxair Canada Inc.	E491C-6MJ-H4	Prostar Starcore 6LS	USA	Ar + 5%CO2	1.2	1.2	W48-06
Praxair Canada Inc.	E491C-6MJ-H4	Prostar Starcore 6LS	USA	Ar + 20 to 25%CO2	1.2	1.2	W48-06
Praxair Canada Inc.	E491T-12MJ-H4	Prostar FC-71 Supreme	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Praxair Canada Inc.	E491T-12MJ-H4	Prostar FC-71 Supreme	USA	Ar + 15%CO2	1.2	1.6	W48-06
Praxair Canada Inc.	E491T-12MJ-H8	Prostar FC-71 Supreme	USA	Ar + 20 to 25%CO2	0.9	1.6	W48-06
Praxair Canada Inc.	E491T-12MJ-H8	Prostar FC-71 Supreme	USA	Ar + 15%CO2	0.9	1.6	W48-06
Praxair Canada Inc.	E491T-9-H8	Prostar FC-71C	USA	CO2	1.2	1.6	W48-06
Praxair Canada Inc.	E491T-9-H8	Prostar FC-71LF	USA	CO2	1.2	1.6	W48-06
Praxair Canada Inc.	E491T-9-H8	Prostar FC-71LF	USA	CO2	1.2	1.6	W48-06
Praxair Canada Inc.	E491T-9-H8	Prostar FC-71C	USA	CO2			W48-06
Praxair Canada Inc.	E491T-9M-H8	Prostar FC-71LF	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Praxair Canada Inc.	E491T-9M-H8	Prostar FC-71LF	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Praxair Canada Inc.	E492C-6MJ-H4	Prostar Starcore 6LS	USA	Ar + 5%CO2	1.4	1.6	W48-06
Praxair Canada Inc.	E492C-6MJ-H4	Prostar Starcore 6LS	USA	Ar + 20 to 25%CO2	1.4	1.6	W48-06
Praxair Canada Inc.	E492T-9-H16	Prostar FC-70	USA	CO2	1.2	2.4	W48-06
Praxair Canada Inc.	E492T-9-H16	Prostar FC-70	USA	Ar + 20 to 25%CO2	1.2	2.4	W48-06
Praxair Canada Inc.	E492T-9-H8	Prostar FC-70LF	USA	CO2	1.2	2.4	W48-06
Praxair Mexico, S. De R.L. De C.V.	B-G 49A 3 C G6 (ER49S-6)	Microalambre Solido Prostar	Mexico	CO2	0.6		W48-06
SCN Industrial	B-G 49A 3 C G6 (ER49S-6)	Weld-Mate 70S-6	China	CO2	0.8		W48-06
SCN Industrial	E491T-9-H8	Weld-Mate E71T-1-H8	China	CO2	1.2	1.6	W48-06
SCN Industrial	E491T-9M-H8	Weld-Mate E71T-1-H8	China	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Select-Arc Inc.	E491C-6-H4	Select 70C-6	USA	CO2	0.9	2.4	W48-06

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Select-Arc Inc.	E491C-6-H4	Select 70C-7	USA	CO2	1.2	1.6	W48-06
Select-Arc Inc.	E491C-6-H4	Select 70C-6LS	USA	CO2	1.2	1.6	W48-06
Select-Arc Inc.	E491C-6-H4	Select 70C-T	USA	CO2	0.9	2.4	W48-06
Select-Arc Inc.	E491C-6M-H4	Select 70C-6	USA	Ar + 5%CO2	0.9	2.4	W48-06
Select-Arc Inc.	E491C-6M-H4	Select 70C-7	USA	Ar + 5%CO2	1.2	1.6	W48-06
Select-Arc Inc.	E491C-6M-H4	Select 70C-6LS	USA	Ar + 5%CO2	1.2	1.6	W48-06
Select-Arc Inc.	E491C-6M-H4	Select 70C-6LS	USA	Arcal 211	1.2	1.6	W48-06
Select-Arc Inc.	E491C-6M-H4	Select 70C-6LS	USA	Arcal 14	1.2	1.6	W48-06
Select-Arc Inc.	E491C-6M-H4	Select 70C-T	USA	Ar + 5%CO2	0.9	2.4	W48-06
Select-Arc Inc.	E491C-6MJ-H4	Select 70C-T	USA	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Select-Arc Inc.	E491T-11-H8	Select 701	USA	N/A	0.9	1.6	W48-06
Select-Arc Inc.	E491T-9-H8	Select 720	USA	CO2	0.9	1.6	W48-06
Select-Arc Inc.	E491T-9-H8	Select 71 Supreme	USA	CO2	0.9	1.6	W48-06
Select-Arc Inc.	E491T-9M-H8	Select 720	USA	Ar + 15%CO2	0.9	2.0	W48-06
Select-Arc Inc.	E491T-9M-H8	Select 71 Supreme	USA	Ar + 15%CO2	0.9	1.6	W48-06
Select-Arc Inc.	E491T-9M-H8	Select 720	USA	Arcal 211	0.9	2.0	W48-06
Select-Arc Inc.	E492T-9-H8	Select 97	USA	CO2	1.2	2.4	W48-06
Select-Arc Inc.	E492T-9-H8	Select 71	USA	CO2			W48-06
Select-Arc Inc.	E492T-9-H8	Select 70TR	USA	CO2			W48-06
Select-Arc Inc.	E492T-9M-H8	Select 70TR	USA	Ar + 20 to 25%CO2			W48-06
Shanghai Atlantic Welding Consumables	E4915-H8	CHE50 (2 hours baking at min. of 35	China	N/A		5.0	W48-06
Shanghai Atlantic Welding Consumables	B-G 49A 2 C G3 (ER49S-3)	CHW-50C3	China	CO2			W48-06
Shanghai Atlantic Welding Consumables	B-G 49A 3 C G6 (ER49S-6)	CHW-50C6SM	China	CO2			W48-06
Shanghai Atlantic Welding Consumables	E4918-1-H8	CHE58-1 (2 hours baking at min. of	China	N/A		5.0	W48-06
Sidergas SPA	B-G 49A 2 C G3 (ER49S-3)	Sidergas S3 {cu}	Italy	CO2	0.9		W48-06
Sidergas SPA	B-G 49A 5 C G6 (ER49S-6)	Sidergas S6 {cu}	Italy	CO2	0.6		W48-06
Sidergas SPA	B-G 55A 5 M G4M31 (ER55S-D2)	Sidergas D2	Italy	Ar + 15%CO2	1.2		W48-06
Sodel Limitee	E308-16	308-16	Canada	N/A			W48-06
Sodel Limitee	E308L-16	308L-16	Canada	N/A			W48-06
Sodel Limitee	E309-16	309-16	Canada	N/A			W48-06
Sodel Limitee	E309L-16	309L-16	Canada	N/A			W48-06
Sodel Limitee	E316-16	316-16	Canada	N/A			W48-06
Sodel Limitee	E316L-16	316L-16	Canada	N/A			W48-06
Sodel Limitee	E4918	Sodel 318	Canada	N/A			W48-06
Starweld 2961 - 2611 Quebec Inc.	E308L-16	Starweld 308L-16	France	N/A		4.0	W48-06
Starweld 2961 - 2611 Quebec Inc.	E309L-16	Starweld 309L-16	France	N/A		4.0	W48-06
Starweld 2961 - 2611 Quebec Inc.	E316L-16	Starweld 316L-VD	France	N/A		4.0	W48-06
Starweld 2961 - 2611 Quebec Inc.	E316L-16	Starweld 316L-16	France	N/A		4.0	W48-06
Supertech (Kunshan) Co. Ltd.	B-G 49A 3 C G6 (ER49S-6)	SM-70	China	CO2	0.8		W48-06
Supertech (Kunshan) Co. Ltd.	E491T-1-H8	SF-71	China	CO2	1.2	1.6	W48-06
Supertech (Kunshan) Co. Ltd.	E491T-9M-H8	Supercored 71MAG	China	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Techniweld Products Corporation	B-G 49A 3 C G6 (ER49S-6)	Unibraze ER70S-6 {cu}	China	CO2	0.6		W48-06
Techniweld Products Corporation	B-G 49A 3 C G6 (ER49S-6)	Power Fist S-6	China	CO2	0.6		W48-06
Techniweld Products Corporation	B-G 49A 3 C G6 (ER49S-6)	Unibraze S-6	China	CO2	0.8		W48-06
Techniweld Products Corporation	E308L-16	Powerweld E308L-16	China	N/A		5.0	W48-06
Techniweld Products Corporation	E309L-16	Powerweld E309L-16	China	N/A		5.0	W48-06
Techniweld Products Corporation	E316L-16	Powerweld E316L-16	China	N/A		5.0	W48-06

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Techniweld Products Corporation	E491T-1-H8	Powerweld E71T-1	China	CO2	1.2	1.6	W48-06
The Harris Products Group	B-G 49A 2 C G3 (ER49S-3)	Harris ER70S-3	China	CO2	0.8		W48-06
The Harris Products Group	B-G 49A 2 C G3 (ER49S-3)	Harris E70S3	China	CO2	0.8		W48-06
The Harris Products Group	B-G 49A 2 C G3 (ER49S-3)	Harris E70S3	Turkey	CO2	0.9		W48-06
The Harris Products Group	B-G 49A 3 C G6 (ER49S-6)	ER70S-6	Italy	CO2	0.6		W48-06
The Harris Products Group	B-G 49A 3 C G6 (ER49S-6)	Harris ER70S-6	China	CO2	0.8		W48-06
The Harris Products Group	B-G 49A 3 C G6 (ER49S-6)	Harris E70S6	China	CO2	0.8		W48-06
The Harris Products Group	B-G 49A 3 C G6 (ER49S-6)	Harris E70S6	Turkey	CO2	0.8		W48-06
Tianjin Bridge Welding Materials Gro	B-G 49A 3 C G6 (ER49S-6)	Bridge THQ-50C	China	CO2	0.8		W48-06
Tianjin Bridge Welding Materials Gro	E491T-9-H16	Bridge THY-51B	China	CO2	1.2	1.6	W48-06
Tianjin Sainteagle Welding Co., Ltd.	E491T-9	SQJ501	China	CO2	1.2	1.2	W48-06
Tien Tai Electrode (Kun Shan) Co. Lt	E4915-H8	TL-507	China	N/A		5.0	W48-06
Tien Tai Electrode (Kun Shan) Co. Lt	E491T-1-H8	TWE-711	China	CO2	1.2	1.6	W48-06
Tien Tai Electrode Co. Ltd.	E4310	TC-10	Taiwan	N/A		5.0	W48-06
Tien Tai Electrode Co. Ltd.	E4311	TC-11	Taiwan	N/A		5.0	W48-06
Tien Tai Electrode Co. Ltd.	E4313	R-13	Taiwan	N/A		5.0	W48-06
Tien Tai Electrode Co. Ltd.	E4914	T-14	Taiwan	N/A		5.0	W48-06
Tien Tai Electrode Co. Ltd.	E4918-H8	TL-508	Taiwan	N/A		5.0	W48-06
Trafilerie di Cittadella S.P.A.	E491C-6J-H4	Fileur AMC 01	Italy	CO2	1.0	1.6	W48-06
Trafilerie di Cittadella S.P.A.	E491C-6MJ-H4	Fileur AMC 01	Italy	Ar + 20 to 25%CO2	1.0	1.6	W48-06
Trafilerie di Cittadella S.P.A.	E491T-9J-H4	Fileur ARS HP	Italy	CO2	1.2	1.6	W48-06
Trafilerie di Cittadella S.P.A.	E491T-9MJ-H4	Fileur ARS HP	Italy	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Trefilal Inc.	B-G 49A 2 C G3 (ER49S-3)	S-3 Welding Wire{cu}	Canada	CO2	0.9		W48-06
Trefilal Inc.	B-G 49A 5 C G6 (ER49S-6)	S-6 Welding Wire{cu}	Canada	CO2	0.8		W48-06
Trefilal Inc.	B-G 49A 5 M G6 (ER49S-6)	S-6 Welding Wire{cu}	Canada	Arcal 14	0.8		W48-06
Trefilal Inc.	F49A3-EM12K	TrefilAL 12K	Canada	OP 176 (made in Germany)			W48-06
Trefilal Inc.	F49A3-EM12K	TrefilAL 12K	Canada	OP 139 (made in Germany)			W48-06
Trefilal Inc.	F49A4-EM12K	TrefilAL 12K	Canada	LA46 (made in Italy)			W48-06
Trefilal Inc.	F49A6-EM12K	TrefilAL 12K	Canada	LA59 (made in Germany)			W48-06
Trefilal Inc.	F49A6-EM12K	TrefilAL 12K	Canada	OP 121TT (made in Germany)			W48-06
Trefilal Inc.	F49P6-EM12K	TrefilAL 12K	Canada	LA59 (made in Germany)			W48-06
Unibraze Corp.	E491C-6-H4	Smoothcor 70C-6M	USA	CO2	0.9	2.4	W48-06
Unibraze Corp.	E491C-6M-H4	Smoothcor 70C-6M	USA	Ar + 5%CO2	0.9	2.4	W48-06
Unibraze Corp.	E491T-9-H8	Smoothcor 71T1-T9	USA	CO2	0.9	2.4	W48-06
Unibraze Corp.	E491T-9M-H8	Smoothcor 71T1-T9	USA	Ar + 15%CO2	0.9	2.4	W48-06
Unitec-York Inc.	B-G 49A 3 C G6 (ER49S-6)	Super 6 {cu}	Canada	CO2	0.8		W48-06
Unitec-York Inc.	B-G 49A 3 C G6 (ER49S-6)	Unitec Super 7 {cu}	China	CO2	0.6		W48-06
Vanguard Steel Limited	B-G 49A 2 C G3 (ER49S-3)	Bonarc ER70S-3 {cu}	Korea	CO2	0.8		W48-06
Vanguard Steel Limited	B-G 49A 3 C G6 (ER49S-6)	Bonarc ER70S-6 {cu}	Korea	CO2	0.8		W48-06
Vanguard Steel Limited	B-G 49A 3 C G6 (ER49S-6)	ER70S-6	China	CO2	0.8		W48-06
Vanguard Steel Limited	B-G 49A 3 C G6 (ER49S-6)	VGD S-6 {cu}	China	CO2	0.8		W48-06
Vanguard Steel Limited	E308-16	Bonarc E308-16	Korea	N/A		5.0	W48-06
Vanguard Steel Limited	E308L-16	Bonarc E308L-16	Korea	N/A		5.0	W48-06
Vanguard Steel Limited	E309-16	Bonarc E309-16	Korea	N/A		5.0	W48-06
Vanguard Steel Limited	E309L-16	Bonarc E309L-16	Korea	N/A		5.0	W48-06
Vanguard Steel Limited	E310-16	Bonarc E310-16	Korea	N/A		5.0	W48-06
Vanguard Steel Limited	E316-16	Bonarc E316-16	Korea	N/A		5.0	W48-06

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Vanguard Steel Limited	E316L-16	Bonarc E316L-16	Korea	N/A		5.0	W48-06
Vanguard Steel Limited	E4310	Bonarc E6010	Korea	N/A		5.0	W48-06
Vanguard Steel Limited	E4311	Bonarc E6011	Korea	N/A		5.0	W48-06
Vanguard Steel Limited	E4313	Bonarc E6013	Korea	N/A		5.0	W48-06
Vanguard Steel Limited	E4914	Bonarc E7014	Korea	N/A		5.0	W48-06
Vanguard Steel Limited	E4918	Bonarc E7018	Korea	N/A		5.0	W48-06
Vanguard Steel Limited	E4918-1	Bonarc E7018-1	Korea	N/A		5.0	W48-06
Vanguard Steel Limited	E491T-1-H8	Bonarc E71T-1LF	Korea	CO2	1.2	1.6	W48-06
Vanguard Steel Limited	E491T-1M-H8	Bonarc E71T-1LF	Korea	Ar + 20 to 25%CO2	1.2	1.6	W48-06
Vanguard Steel Limited	E491T-9-H8	Bonarc E71T-9	Korea	CO2	1.1	1.6	W48-06
Vanguard Steel Limited	E491T-9M-H16	Bonarc E71T-9	Korea	Ar + 10%CO2	1.1	1.6	W48-06
Vanguard Steel Limited	E491T-GS	Bonarc E71T-GS	Korea	N/A	0.8	2.4	W48-06
Vanguard Steel Limited	E4924	Bonarc E7024	Korea	N/A		5.0	W48-06
Vanguard Steel Limited	E492C-6M-H8	Bonarc E70C-6M	Korea	Ar + 20 to 25%CO2	1.1	1.6	W48-06
Vanguard Steel Limited	E492C-6M-H8	Bonarc E70C-6M	Korea	Ar + 2%CO2	1.1	1.6	W48-06
Vanguard Steel Limited	E492T-9-H8	Bonarc E70T-9	Korea	CO2	1.1	1.6	W48-06
Vanguard Steel Limited	E492T-9M-H8	Bonarc E70T-9	Korea	Ar + 20 to 25%CO2	1.1	1.6	W48-06
Vanguard Steel Limited	E5518-C3	Bonarc E8018-C3	Korea	N/A		5.0	W48-06
Washington Alloy Co.	B-G 49A 3 C G6 (ER49S-6)	ER70S-6	China	CO2	0.8		W48-06
Washington Alloy Co.	B-G 49A 3 C G6 (ER49S-6)	ER70S-6	Korea	CO2	0.8		W48-06
Washington Alloy Co.	E4310	E6010	Taiwan	N/A		5.0	W48-06
Washington Alloy Co.	E4310	E6010	Korea	N/A		5.0	W48-06
Washington Alloy Co.	E4311	E6011	Taiwan	N/A		5.0	W48-06
Washington Alloy Co.	E4311	E6011	Korea	N/A		5.0	W48-06
Washington Alloy Co.	E4313	E6013	Taiwan	N/A		5.0	W48-06
Washington Alloy Co.	E4313	E6013	Korea	N/A		5.0	W48-06
Washington Alloy Co.	E4914	E7014	Taiwan	N/A		5.0	W48-06
Washington Alloy Co.	E4914	E7014	Korea	N/A		5.0	W48-06
Washington Alloy Co.	E4918	E7018	Korea	N/A		5.0	W48-06
Washington Alloy Co.	E4918-H8	E7018	Taiwan	N/A		5.0	W48-06
Washington Alloy Co.	E4918-H8	E7018AC	Taiwan	N/A		5.0	W48-06
Washington Alloy Co.	E491T-1-H8	Superflow 71TC	Taiwan	N/A		1.6	W48-06
Washington Alloy Co.	E491T-1M-H8	Superflow 71TM	Taiwan	N/A		1.6	W48-06
Washington Alloy Co.	E491T-9-H8	USA E71T-1-LF	Korea	CO2	1.1	1.6	W48-06
Washington Alloy Co.	E491T-9M-H16	USA E71T-1-LF	Korea	Ar + 10%CO2	1.1	1.6	W48-06
Washington Alloy Co.	E4924	E7024	Korea	N/A		5.0	W48-06
X-Ergon (Div. of NCH Canada Inc.)	E308L-16	E308L	USA	N/A		4.0	W48-06
X-Ergon (Div. of NCH Canada Inc.)	E309L-16	E309L	USA	N/A		4.0	W48-06
X-Ergon (Div. of NCH Canada Inc.)	E4310	E6010	USA	N/A		5.0	W48-06
X-Ergon (Div. of NCH Canada Inc.)	E4311	E6011	USA	N/A		5.0	W48-06
X-Ergon (Div. of NCH Canada Inc.)	E4313	E6013	USA	N/A		4.0	W48-06
X-Ergon (Div. of NCH Canada Inc.)	E4918	E7018	USA	N/A		5.0	W48-06
X-Ergon (Div. of NCH Canada Inc.)	E491T-9-H8	E71T-1	USA	CO2	0.9	1.6	W48-06
X-Ergon (Div. of NCH Canada Inc.)	E491T-9M-H16	E71T-1	USA	Ar + 20 to 25%CO2	0.9	1.6	W48-06