

BSE REFERENCE LIST FOR ELECTRODE ARMS

Steelplant	Country	Place	EAF Type	Transformer	Electrode Diameter	Design	Start-Up
BREITENFELD EDELSTAHL AG	AUSTRIA	MITTERDORF IM MÜRZTAL	65 t AC	56 MVA	600 mm	Copper-Steel / Flange	2018
SINOBRAS	BRAZIL	MARABA	40 t AC	40 MVA	450 mm	Aluminium / Monolithic	2007
GERDAU AMERISTEEL WHITBY	CANADA	WHITBY	136 t AC	75 MVA	600 mm	Aluminium / Flange	1995
IVACO	CANADA	L'ORIGINAL	90 t AC	65 MVA	550 mm	Aluminium / Flange	1995
TIANJIN PIPE CORPORATION	CHINA	TIANJIN	165 t AC	100 MVA	600 mm	Aluminium / Flange	2010
AL-EZZ (EX ANSDK)	EGYPT	ALEXANDRIA	80 t AC	46 MVA	550 mm	Aluminium / Flange	1996
AL-EZZ (EX ANSDK)	EGYPT	ALEXANDRIA	80 t AC	46 MVA	550 mm	Aluminium / Flange	1998
OUTOKUMPU	FINLAND	TORNIO	86 t AC	84 MVA	600 mm	Aluminium / Flange	1994
MANNESMANN - VALLOUREC INDUSTRIES	FRANCE	SAINT-SAULVE	80 t AC	78 MVA	600 mm	Aluminium / Flange	1990
BADISCHE STAHLWERKE GMBH	GERMANY	KEHL	80 t AC	57 MVA	550 mm	Aluminium / Flange	1989
BADISCHE STAHLWERKE GMBH	GERMANY	KEHL	100 t AC	30 MVA	350 mm	Aluminium / Monolithic	2011
BADISCHE STAHLWERKE GMBH	GERMANY	KEHL	110 t AC	90 MVA	600 mm	Aluminium / Flange	2011
BADISCHE STAHLWERKE GMBH	GERMANY	KEHL	100 t AC	30 MVA	350 mm	Aluminium / Monolithic	2013
BADISCHE STAHLWERKE GMBH	GERMANY	KEHL	110 t AC	90 MVA	600 mm	Aluminium / Flange	2013
BADISCHE STAHLWERKE GMBH	GERMANY	KEHL	110 t AC	90 MVA	550 mm		2016
BGH EDELSTAHL FREITAL GMBH	GERMANY	FREITAL	30 t AC	30 MVA	500 mm	Aluminium / Flange	1997
BGH EDELSTAHL SIEGEN GMBH	GERMANY	SIEGEN	40 t AC	20 MVA	350 mm	Aluminium / Monolithic	2017
PEINER TRÄGER GMBH	GERMANY	PEINE	100 t DC	140 MVA	750 mm	Aluminium / Flange	1995
STAHLWERK BOUS GMBH	GERMANY	BOUS / SAAR	70 t AC	45 MVA	550 mm	Aluminium / Flange	1992
ADHUNIK METALIKS LTD.	INDIA	KOLKATA	40 t AC	32 MVA	450 mm	Aluminium / Flange	2010
STEEL AUTHORITY OF INDIA LTD.	INDIA	DURGAPUR	125 t AC	25 MVA	450 mm	Aluminium / Monolithic	2013
ITO STEEL	JAPAN	ISHINOMAKI	80 t AC	36 MVA	500 mm	Aluminium / Flange	1994
TOYOHIRA STEEL	JAPAN	SAPPORO	60 t AC	30 MVA	500 mm	Aluminium / Flange	1993
ARCELORMITTAL BELVAL & DIFFERDANGE S.A.	LUXEMBOURG	DIFFERDANGE	160 t DC	140 MVA	750 mm	Aluminium / Flange	2000

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AMSTEEL MILLS SDN. BHD.	MALAYSIA	BANTING	160 t DC	140 MVA	750 mm	Aluminium / Monolithic	2005
ANN JOO STEEL BERHAD	MALAYSIA	PRAI, PULAU PINANG	80 t DC	82 MVA	700 mm	Aluminium / Flange	2003
SOUTHERN STEEL BERHAD	MALAYSIA	PRAI PULAU PINANG	80 t DC	85 MVA	700 mm	Aluminium / Flange	2001
ARCELORMITTAL SOUTH AFRICA	REPUBLIC OF SOUTH AFRICA	VEREENIGING	20 t AC	11 MVA	350 mm	Aluminium / Flange	2010
ARCELORMITTAL SOUTH AFRICA LTD (EX ISCOR)	REPUBLIC OF SOUTH AFRICA	PRETORIA	140 t AC	80 MVA	600 mm	Aluminium / Flange	1995
ARCELORMITTAL SOUTH AFRICA LTD (EX ISCOR)	REPUBLIC OF SOUTH AFRICA	VEREENIGING	60 t AC	55 MVA	500 mm	Aluminium / Flange	1999
ARCELORMITTAL SOUTH AFRICA LTD (EX SALDANHA ST	REPUBLIC OF SOUTH AFRICA	SALDANHA	170 t AC	137 MVA	600 mm	Aluminium / Flange	2000
ARCELORMITTAL HUNEDOARA S.A.	ROMANIA	HUNEDOARA	120 t AC	50 MVA	400 mm	Aluminium / Monolithic	2008
S.C. TMK-RESITA S.A.	ROMANIA	RESITA	125 t AC	75 MVA	600 mm	Aluminium / Flange	2009
JSC "EVRAZ ZSMK"	RUSSIA	NOVOKUZNETSK	105 t AC	95 MVA	600 mm	Copper-Steel / Flange	2017
HADEED	SAUDI ARABIA	MADINAT AL-JUBAIL	150 t AC	110 MVA	600 mm	Aluminium / Flange	1997
HADEED	SAUDI ARABIA	MADINAT AL-JUBAIL	150 t AC	110 MVA	600 mm	Aluminium / Flange	1998
HADEED	SAUDI ARABIA	MADINAT AL-JUBAIL	150 t AC	110 MVA	600 mm	Aluminium / Flange	1999
HADEED	SAUDI ARABIA	MADINAT AL-JUBAIL	150 t AC	110 MVA	600 mm	Aluminium / Flange	2000
ACRONI D.O.O.	SLOVENIA	JESENICE	85 t AC	80 MVA	600 mm	Aluminium / Flange	2002
DONGKUK INCHON	SOUTH KOREA	INCHON	37 t AC	18 MVA	450 mm	Aluminium / Flange	1995
DONGKUK PUSAN	SOUTH KOREA	PUSAN	40 t AC	33 MVA	500 mm	Aluminium / Flange	1995
DONGKUK PUSAN	SOUTH KOREA	PUSAN	50 t AC	42 MVA	550 mm	Aluminium / Flange	1995
HYUNDAI STEEL COMPANY (EX HANBO)	SOUTH KOREA	DANGJIN	200 t AC	30 MVA	450 mm	Aluminium / Flange	1996
HYUNDAI STEEL COMPANY (EX HANBO)	SOUTH KOREA	DANGJIN	200 t DC	120 MVA	750 mm	Aluminium / Flange	1996
HYUNDAI STEEL COMPANY (EX INI)	SOUTH KOREA	INCHON	86 t AC	55 MVA	550 mm	Aluminium / Flange	1996
KISCO MASAN - KOREA IRON AND STEEL CO.	SOUTH KOREA	MASAN	65 t AC	42 MVA	600 mm	Aluminium / Flange	1995
POSCO - POHANG IRON & STEEL	SOUTH KOREA	POHANG	90 t AC	70 MVA	600 mm	Aluminium / Flange	1995
POSCO - POHANG IRON & STEEL	SOUTH KOREA	POHANG	90 t AC	85 MVA	600 mm	Aluminium / Flange	1995
POSCO - POHANG IRON & STEEL	SOUTH KOREA	POHANG	95 t AC	85 MVA	600 mm	Aluminium / Flange	2002
POSCO - POHANG IRON & STEEL	SOUTH KOREA	GWANGYANG	130 t DC	105 MVA	750 mm	Aluminium / Flange	2009

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YK STEEL CORP. (EX HANBO)	SOUTH KOREA	PUSAN	90 t AC	50 MVA	550 mm	Aluminium / Flange	1993
YK STEEL CORP. (EX HANBO)	SOUTH KOREA	PUSAN	37 t AC	40 MVA	500 mm	Aluminium / Flange	1993
ACERINOX	SPAIN	PALMONES (LOS BARRIOS)	120 t AC	96 MVA	600 mm	Aluminium / Flange	1998
SWISS STEEL AG	SWITZERLAND	EMMENBRUECKE	70 t AC	60 MVA	550 mm	Copper-Steel / Monolithic	2015
LO TOUN STEEL	TAIWAN	YILAN	85 t AC	75 MVA	600 mm	Aluminium / Flange	2014
SHYEH SHENG FUAT STEEL & IRON	TAIWAN	KAOHSIUNG	65 t AC	40 MVA	600 mm	Aluminium / Flange	1995
YIEH UNITED STEEL CORP	TAIWAN	KAOHSIUNG	85 t AC	70 MVA	600 mm	Aluminium / Flange	2002
CARIBBEAN ISPAT, LTD.	TRINIDAD AND TOBAGO	POINT LISAS, COUVA	110 t AC	80 MVA	600 mm	Aluminium / Flange	1997
CEBITAS	TURKEY	ALIAGA	70 t AC	72 MVA	550 mm	Aluminium / Flange	1998
AK STEEL	UNITED STATES	BUTLER	175 t AC	56 MVA	600 mm	Aluminium / Flange	2001
ARKANSAS STEEL ASSOCIATES	UNITED STATES	NEWPORT	45 t AC	35 MVA	450 mm	Copper-Steel / Flange	2015
ARKANSAS STEEL ASSOCIATES	UNITED STATES	NEWPORT	45 t AC	35 MVA	450 mm	Copper-Steel / Flange	2017
GERDAU AMERISTEEL BEAUMONT	UNITED STATES	BEAUMONT	145 t AC	66 MVA	600 mm	Aluminium / Flange	1996
GERDAU AMERISTEEL WILTON	UNITED STATES	WILTON	80 t AC	34 MVA	500 mm	Aluminium / Flange	1998
KOPPEL STEEL	UNITED STATES	BEAVER FALLS	80 t AC	72 MVA	600 mm	Aluminium / Flange	1998
TIMKEN COMPANY	UNITED STATES	FAIRCREST	174 t AC	96 MVA	650 mm	Aluminium / Flange	1996
UZBEK METALLURGICAL PLANT	UZBEKISTAN	BEKABAD	130 t AC	18 MVA	400 mm	Aluminium / Monolithic	2013

Number of Electrode Arms References: 82