ISO 9001 : 2015
Reg. No.: RQ/11287

D & H INDIA LTD

Comprehensive Range of Welding Consumables for Every Industry

www.dnhindia.com

D & H INDIA LTD


MIGARC
CO2 WELDING WIRE
FLUX CORED
D & H INDIA LTD
SUBMERGED ARC WELDING WIRE

COMPANY PROFILE

Company Profile:

D&H India Limited, an ISO 9001-2015 certified company, was incorporated in the year 1985 offers a wide range of welding consumables for diverse application in industries like **Steel, Power, Cement, Railways, Earth Moving & Mining, Oil & Petrochemicals, Heavy Engineering & Fabrication, Sugar Industry And Transport sectors** etc.

D&H India product range includes a comprehensive range of **Low Heat Input welding consumables** for repair and maintenance application for every industry.

D&H India Limited, follows Total Quality Management, known for Innovation and offering import substitutes'

D&H India has got a state of the art manufacturing facility located at **Indore, Ghatabillod & Durg (CG).** The manufacturing facility is equipped with the most sophisticated and precise QC. The R&D center is advanced and recognized by GOVT OF INDIA Ministry of Science and Technology, Department of Scientific & Industrial Research.

D&H India is firmly committed to offer complete welding solution with satisfaction to all its customers through a dedicated team of qualified and experienced sales and service engineers backed by all India and abroad spreaded distribution network.

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ISO 9001 : 2015
Reg. No.: RQ91/1287

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OUR RANGE Of WELDING CONSUMABLES

Electrodes For Mild and Medium Tensile Steel

AWS Coding	Brand Name
E-6010	CELLO-10
E-6011	CELLO-11
E-6012	SPEEDEX
E-6013	ECONOMY
E-6013	STANDARD
E-6013	EXCELLO
E-6018	GEM-6018
E-6019	GEM-6019
E-6020	UNIQUE-20
E-6027	UNIQUE-27
E-7014	FERRO-115
E-7024	FERRO-150
E-7028	FERRO-150 B
E-7016	PRIMA
E-7016	PRIMA-CI
E-7018	SUPER-LH
E-7018	SUPER-SGS
E-8018W2	SUPER-CU
E-7018 M	SUPER-LH-M
E-7018 H4R	SUPER-LH-H4R
E-7018-1	SUPER-LH (SPL)
E-7018-1	SUPER-SGS (SPL)
E-7018-1	SUPER-LH (SPL) H4R

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ELECTRODES FOR NICKEL STEEL/ LOW TEMPERATURE SERVICE

AWS Coding	Brand Name
E-7018-G	SUPER-LH (Ni)
E-8018-G	SUPER-LH Ni (SPL)
E-8016-C3	SUPER-NiMo-1
E-8016-C1	SUPER-Ni 2.5
E-8016-C2	SUPER-Ni 3.5
E-7018-C1L	SUPER-Ni 2.5L
E-7018-C2L	SUPER-Ni 3.5L
E-7018-C3L	SUPER-NiMo (SPL)
E-8018-C1	SUPER-Ni 2.5 (SPL)
E-8018-C2	SUPER-Ni 3.5 (SPL)
E-8018-C4	SUPER-Ni 1.5 (SPL)
E-10018-G	SUPER-Ni 2.5 (MOD)

ELECTRODES FOR HEAT AND CREEP RESISTING STEELS

AWS Coding	Brand Name
E-7010-G	CELLO-10 Mo
E-7013-G	STANDARD-Mo
E-7018-A1	SUPER-Mo
E-7018-A1	SUPER-Mo (MOD)
E-8013-B1	STANDARD 1/2 Cr-Mo
E-8013-G	STANDARD Cr/Mo
E-8018-G	SUPER-CR 20
E-8018-D3	SUPER-Mo (EXT)
E-8018-B1	SUPER-CR
E-8018-B2	SUPER-CR-1
E-8018-B2	SUPER-CR-1 (MOD)
E-7018-B2L	SUPER-CR 1L
E-7018-B2L	SUPER-CR-1L (MOD)
E-9013-G	STANDARD-2 Cr/Mo

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AWS Coding	Brand Name
E-9018-B3	SUPER-CR-2
E-9018-B3	SUPER-CR-2 (MOD)
E-8018-B3L	SUPER-CR-2L
E-8018-B3L	SUPER-CR-2L (MOD)
E-8018-B6	SUPER-CR-5
E-8018-B6L	SUPER-CR-5L
E-8018-B6	SUPER-CR-5 (MOD)
E-8018- B6L	SUPER-CR-5L (MOD)
E-8018-B8	SUPER-CR-9
E-8018-B8L	SUPER-CR-9L
E-9018-B9	SUPER-CR-9 (MOD)
E-9018-G	SUPER-CR-9 (SPL)
E-9018-D1	SUPER-Mo (SPL)
	SUPER-CR-0.5
	SUPER-CR-12

ELECTRODES FOR HIGH TENSILE STEELS

AWS Coding	Brand Name
E-8018-D3	ULTRA-55
E-9018-G	ULTRA-65
E-10016-G	ULTRA-75
E-9018-M	ULTRA-M
E-11018-M	ULTRA-80
E-11018-G	ULTRA
E-10018-D2	ULTRA-70
E-12018-G	ULTRA-85
E-12016-X	CRONIM-121
E-13016-G	ULTRA-100

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ELECTRODES FOR WELDING CAST IRON

AWS Coding	Brand Name
E-st.	CAST-N.M
E-NiCuB	MONEL-CI
E-NICI	NICKEL-CI
E-NiFeCI	FERRON-CI
-	NICKEL-75-CI

ELECTRODES FOR STAINLESS STEEL AND HEAT RESISTING STEELS

AWS Coding	Brand Name
E-307-16	CROMALLOY-307
E-308-16	CROMALLOY-A
E-308L-16	CROMALLOY-B
E-308H-16	CROMALLOY-AH
E-308Mo-16	CROMALLOY-Mo
E-309-16	CROMALLOY-309
E-309L-16	CROMALLOY-309 L
E-309Mo-16	CROMALLOY-309 Mo
E-309Cb-16	CROMALLOY-309 Cb
E-310-16	CROMALLOY-310
E-310H-16	CROMALLOY-310-H
E-312-16	CROMALLOY-312
E-316-16	CROMALLOY-C
E-316L-16	CROMALLOY-2C
E-316L Mn-16	CROMALLOY-MN
E-317-16	CROMALLOY-317
E-317L-16	CROMALLOY-317-L
E-318-16	CROMALLOY-D
E-318L-16	CROMALLOY-2 DL
E-320-16	CROMALLOY-320

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AWS Coding	Brand Name
E-330H-16	SV-330
E-347-16	CROMALLOY-A (ST)
E-347L-16	CROMALLOY-B (ST)
E-383-16	SV-383
E-385-16	SV-25 CUL
E-308-15	SV-308
E-308L-15	SV-308L
E-309-15	SV-309
E-309L-15	SV-309L
E-316-15	SV-316
E-316L-15	SV-316L
E-309Mo-15	SV-309 Mo
E-318-15	SV-318
E-318L-15	SV-318L
E-347-15	SV-347
E-347L-15	SV-347L

STAINLESS STEEL ELECTRODES FOR SPECIAL APPLICATION

AWS Coding	Brand Name
E-410-15	SV-CR-13
E-430-15	SV-17 CR
E-410-16	SV- 410
E-430-16	SV- 430
E-410 NiMo-16	SV- 430 NiMo-L
E-410 NiMo-15	SV-13/4 B
E-630-16	SV-446-L
-	SV-25 CUB
-	CRONI-307Mo
-	SV-HS-25
-	ARMER-20L

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AWS Coding	Brand Name
-	ALLOY-UA-5
-	SV-316-U(M)
-	SV-920B
E-316L-16	CROMALLOY-UA
-	SV-415
E-307-17	NICROM-307
E-308-17	NICROM-A
E-308L-17	NICROM-B
E-309-17	NICROM-309
E-309L-17	NICROM-309L
E-310-17	NICROM-310
E-312-17	NICROM-312
E-316-17	NICROM-C
E-316L-17	NOCROM-2C
E-318-17	NICROM-D
E-347-17	NICROM-A (ST)
E-309-Mo-17	NICROM-309Mo
E-309Nb-17	NICROM-309Nb

ELECTRODES FOR HARD FACING

AWS Coding	Brand Name
-	DUROBULID-A
-	DUROBUILD-B
-	DUROBUILD-B(LH)
-	DUROBUILD-C
-	SV-60
-	THERMOHARD
-	DUROMANGAN
-	THEMODUR-600
-	THEMODUR-600 (SPL)
-	HARDCROME

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AWS Coding	Brand Name
-	CHROMAX
-	CHROMAX-N
-	CRONIMANGAN
-	CRONIMANGAN-B
-	MANGAN-Ni
-	HF-BFBH
-	HF-SMWR
-	HF-1600 SP
-	TOOLHARD
-	COBALHARD-6
-	DIEHARD-HD
-	SV-9650 FG

NICKEL AND NICKEL BASED ELECTRODES

AWS Coding	Brand Name
E-NiCrFe-2	HAST-A
E-NiCrFe-3	HAST-B
E-NiCu-7	HAST-7
E-Ni-1	HAST-10
E-NiCrMo-3	ALLOY-800H
E-NiCrMo-5	HAST-WCO
E-NiMo-1	HAST-Mo

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ELECTRODES FOR DUPLEX AND SUPER DUPLEX STAINLESS STEEL

AWS Coding	Brand Name
E-2209-16	ARMER-29L
E-2209-15	CROMALLOY-29L
E-2209-16	CROMALLOY-29R
E-2553-16	SV-145
E-2593-16	CROMALLOY-93R
E-2594-15	CROMALLOY-94L
E-2594-16	CROMALLOY-94R
E-2595-15	CROMALLOY-95L
E-2595-16	CROMALLOY-95R

SPECIAL ELECTRODES FOR WELDING GALVANIZING BATH, KETTLE AND ELECTRODES FOR CUTTING AND GOUGING

AWS Coding	Brand Name
-	SV-GL-45
-	SV-GL-45 (LH)
-	ECONOCUT

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TIG STAINLESS STEEL FILLER WIRES

AWS Coding	Brand Name
ER-308	SUPERTIG-308
ER-308L	SUPERTIG-308L
ER-309	SUPERTIG-309
ER-309L	SUPERTIG-309L
ER-309Mo	SUPERTIG-309Mo
ER-309LMo	SUPERTIG-309LM
ER-310	SUPERTIG-310
ER-312	SUPERTIG-312
ER-316	SUPERTIG-316
ER-316L	SUPERTIG-316L
ER-317	SUPERTIG-317
ER-317L	SUPERTIG-317L
ER-318	SUPERTIG-318
ER-347	SUPERTIG-347
ER-410	SUPER-410
ER-410NiMo	SUPERTIG-410 NiMo
ER-430	SUPERTIG-430

MIG STAINLESS STEEL FILLER WIRES

AWS Coding	Brand Name
ER-308	SUPERMIG-308
ER-308L	SUPERMIG-308L
ER-309	SUPERMIG-309
ER-309L	SUPERMIG-309L
ER-309Mo	SUPERMIG-309 Mo
ER-309LMo	SUPERMIG-309L Mo
ER-310	SUPERMIG-310

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AWS Coding	Brand Name
ER-312	SUPERMIG-312
ER-316	SUPERMIG-316
ER-316L	SUPERMIG-316L
ER-317	SUPERMIG-317
ER-317L	SUPERMIG-317L
ER-318	SUPERMIG-318
ER-347	SUPERMIG-347
ER-410	SUPERMIG-410
ER-410NiMo	SUPERMIG-410 NiMo
ER-430	SUPERMIG-430

LOW ALLOY TIG FILLER WIRES

AWS Coding	Brand Name
ER-70S2	SUPERTIG-70S2
ER-80SB2	SUPERTIG-80SB2
ER-90SB3	SUPERTIG-90SB3
ER-80S-Ni1	SUPERTIG-80S-Ni 1
ER-80S2G	SUPERTIG-80S G

LOW ALLOY MIG FILLER WIRES & Co, WELDING WIRE

ER-70S2	SUPERMIG-70S2
ER-80SB2	SUPERMIG-80SB2
ER-90SB3	SUPERMIG-90SB3
ER-80S-Ni1	SUPERMIG-80S-Ni-1
ER-80S2G	SUPERMIG-80S G
ER-70S6	MIGARC WS-6

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FLUX CORED WIRES

AWS Coding	Brand Name
E70T-1C	SUPERCORE 70 T-1
E71T-1C	SUPERCORE 71 T-1
E70T-5C	SUPERCORE 70 T-5
E71T-5C	SUPERCORE- 71 T-5
E80T-5G	SUPERCORE 80 T-5-G
E110T5-K4C	SUPERCORE 110 T 5K-4

AGGLOMERATED FLUXES FOR SUBMERGED ARC WELDING AND SUBMERGED ARC WELDING WIRES

AWS Coding	Brand Name
-	SUPERMELT-II
-	SUPERMELT-II (SPL)
-	SUPERMELT-III
-	SUPERMELT-IV
-	SUPERMELT-V
-	SUPERMELT-NF
-	SUPERMELT-HFA (FOR HARDFACING)
-	SUPERMELT-HFB (FOR HARDFACING)
-	SUPERMELT-HFC (FOR HARDFACING)
EL-8	SUPERMELT-GR A
EM-12K	SUPERMELT-12K
EH-14	SUPERMELT-GR B

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RELEVENT TECHNICAL NOTE

Storage Redrying & Handeling of Electrodes

Though, while manufacturing welding electrodes D&H INDIA uses certain ingredients in flux coating to prevent moisture pic up, Moreover products are carefully packed in wrapped shrink package /Vacuum pack cartons, However, it is recommended that storage should be in warm storage with low relative humidity to minimise the risk of moisture pic up.

STORAGE CONDITION

a. The electrodes must be kept carefully in their original supplied packaging until they are taken for use and should be protected against rain, dampness and dew.
b. The electrodes boxes must be kept on shelves or pallets to avoid direct contact from the walls or floor.
c. The relative humidity level of storage place shall be kept 50% Max, and temperature should be maintained between 30-40°C by using heaters or high wattage lamp. The de-humidifier of appropriate capacity can also be installed in storage room to maintain the relative humidity (Rh) below 50%.
d. The loose cartons/packets/boxes of electrodes should be protected in store and on site from moisture pick-up and from other contaminations which may affect their performance.

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RE-DRYING

Electrodes slightly affected by moisture should be carefully redried for minimum one hour or more as per the type of covering before use. The general recommendation is as follows-

S.No.	ELECTRODE GROUP	REDRYING TEMPERATURE	HOLDING
1.	Electrodes for mild steel (Except Cello-10 and Cello-11)	100°C -150°C	As Storage
2.	Electrodes for medium and high tensile steels	200°C-250°C	120°C -150°C
3.	Electrodes for weathering steels	200°C-250°C	120°C -150°C
4.	Electrodes for low temperature service	200°C-250°C	120°C -150°C
5.	Electrodes for Nickel Steel	200°C-250°C	120°C -150°C
6.	Electrodes for Heat & Creep resisting steel	200°C-250°C	120°C -150°C
7.	Electrodes for Hardfacing	200°C-250°C	120°C -150°C
8.	Electrodes for galvanising bath	200°C-250°C	As Storage
9.	Electrodes for cutting	Not recommended	Not recommended
10.	Electrodes for Stainless Steel	200°C-250°C	120°C -150°C
11.	Electrodes for Cast Iron	200°C-250°C	120°C -150°C
12.	Electrodes for Nickel & Nickel based Alloys	200°C-250°C	120°C -150°C

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HANDLING AND USAGE

In order to get optimum performance from electrodes it is essential that they should be handled with proper care during transportation and during handling in the users store room and at the place of use to avoid coating damage. Some of the important points for proper usage of electrodes are as follows-

1. Bending the electrodes and hitting its striking end hard against the base plate to strike the arc must be avoided. This action may cause the flux to peel-off, more so in case of basic coated low hydrogen electrodes which are baked at high temperature.

2. Use of current higher than those recommended will overheat the electrode and cause the coating to decompose and produce faulty weld having porosity and other weld defect which may affect substantially its mechanical properties.

3. When high current are used, electrodes gets red hot, in such case welders are compelled to discard longer length of stubs, there by increasing electrodes consumption cost.

4. Contamination of electrodes by oil, grease, dirt must be avoided, as they promote weld porosity and cracking.

5. On completion of welding operation remaining electrodes must be put back in holding or mother oven etc.

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USEFUL FORMULAE

1. Pitting Resistance Equivalent Number:

$$PREN = \%Cr + 3.3\,(\%Mo + 0.5 \times \%W) + 16 \times \%N$$

2. Carbon Equivalent:

$$CE = C\% + \frac{Mn\%}{6} + \frac{Cr\% + Mo\% + V\%}{5} + \frac{Cu\% + Ni\%}{15}$$

3. Heat Input Rate (Arc Energy)

$$\text{Heat Input} = \frac{V \times A \times 60}{S \times 1000}$$ Kilo Joules per mm length of weld

where V = arc voltage
A = welding current
S = welding speed or arc travel speed (mm/min)

4. Preheating:

$$C_c = C + \frac{Mn}{6} + \frac{Ni + Cu}{15} + \frac{Cr + Mo + V}{5}$$

$C_t = C_c \times 0.005 \times t_{mm}$

$C_E \quad C_c + C_t$

Preheat temperature ^{0}C : $350\sqrt{C_E - 0.25}$

CHEMICAL COMPOSITION OF SELECTED MATERIALS AND RECOMMENDED PRODUCTS TO WELD

AUSTENTIC

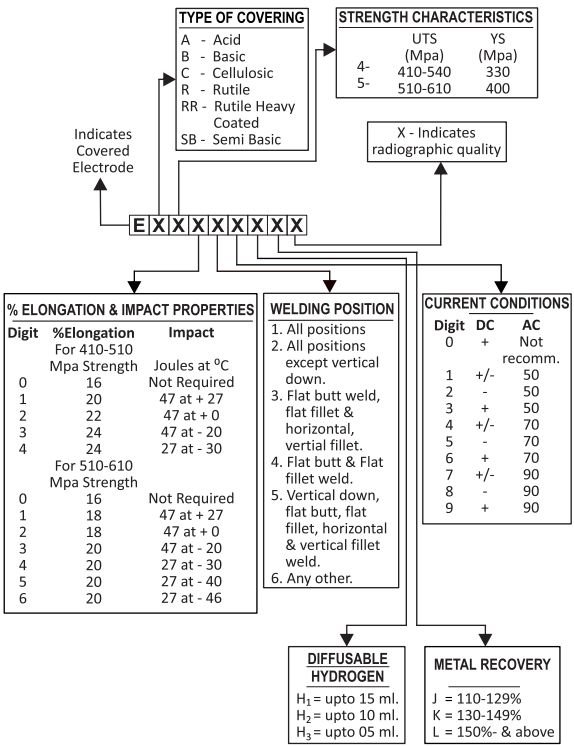
AISI TYRE No.	CHEMICAL ANALYSIS OF STAINLESS STEELS (PERCENT)						
	CARBON PERCENT	MANGANESE-MAXIMUM%	SILICON-MAXIMUM%	CHROMIUM PERCENT	NICKEL PERCENT	OTHER ELEMENTS PERCENT	Recomm. Electrode
201	0.15 Max.	5.5/7.5	1.00	16.00/18.00	3.50/5.50	N_2O.25 Max.	Cromalloy-A
202	0.15 Max.	7.5/10.0	1.00	17.00/19.00	4.00/6.00	N_2O.25 Max.	Cromalloy-A
301	0.15 Max.	2.00	1.00	16.00/18.00	6.00/8.00		Cromalloy-A
302	0.15 Max.	2.00	1.00	17.00/19.00	8.00/10.00		Cromalloy-A
302B	0.15 Max.	2.00	2.00/3.00	17.00/19.00	8.00/10.00		Cromalloy-A
303	0.15 Max.	2.00	1.00	17.00/19.00	8.00/10.00	S 0.15 Min.	Not Welded
303Se	0.15 Max.	2.00	1.00	17.00/19.00	8.00/10.00	Se 0.15 Min.	Not Welded
304	0.08 Max.	2.00	1.00	18.00/20.00	8.00/10.00		Cromalloy-A
304L	0.03 Max.	2.00	1.00	18.00/20.00	8.00/10.00		Cromalloy-B
305	0.12 Max.	2.00	1.00	17.00/19.00	10.00/13.00		Cromalloy-A
308	0.08 Max.	2.00	1.00	19.00/21.00	10.00/12.00		Cromalloy-A
309	0.20 Max.	2.00	1.00	22.00/24.00	12.00/15.00		Cromalloy-309
309S	0.08 Max.	2.00	1.00	22.00/24.00	12.00/15.00		Cromalloy-309
310	0.25 Max.	2.00	1.00	24.00/26.00	19.00/22.00		Cromalloy-310
310S	0.08 Max.	2.00	1.00	22.00/24.00	19.00/22.00		Cromalloy-310
314	0.25 Max.	2.00	1.50/3.00	23.00/26.00	19.00/22.00		Cromalloy-310
316	0.08 Max.	2.00	1.00	16.00/18.00	10.00/14.00	Mo 2.00/3.00	Cromalloy-C

	AISI	CHEMICAL ANALYSIS OF STAINLESS STEELS (PERCENT)						
	TYRE No.	CARBON PERCENT	MANGANESE-MAXIMUM%	SILICON-MAXIMUM%	CHROMIUM PERCENT	NICKEL PERCENT	OTHER ELEMENTS PERCENT	Recomm. Electrode
AUSTENTIC	316L	0.03 Max.	2.00	1.00	16.00/18.00	3.50/5.50	N O.25 Max.	Cromalloy-A
	317	0.08 Max.	2.00	1.00	18.00/20.00	4.00/6.00	N O.25 Max.	Cromalloy-A
	321	0.08 Max.	2.00	1.00	17.00/19.00	6.00/8.00		Cromalloy-A
	317	0.08 Max.	2.00	1.00	9.00/13.00	8.00/10.00		Cromalloy-A
	348	0.08 Max.	2.00	1.00	9.00/13.00	8.00/10.00		Cromalloy-A
MARTENSITIC	403	0.15 Max.	1.00	0.50	11.50/13.00			SV-CR-13 or SV-410
	405	0.08 Max.	1.00	1.00	11.50	14.50	Al 0.10/0.30	SV-CR-13 or SV-410
	410	0.15 Max.	1.00	1.00	11.50/13.50			SV-CR-13 or SV-410
	414	0.15 Max.	1.00	1.00	11.50/13.50	1.25/2.50		SV-CR-13 or SV-410
	416	0.15 Max.	1.25	1.25	12.00/14.00		S 0.15 Min.	Not Welded
	416Se	0.15 Max.	1.25	1.25	12.00/14.00		Se 0.15 Min.	Not Welded
	420	Over 0.15	1.00	1.00	12.00/14.00			SV-CR-13 or SV-410
	431	0.20 Max.	1.00	1.00	15.00/17.00	1.25/2.50		SV-17-CR or SV-430
	440A	0.60/0.75	1.00	1.00	16.00/18.00		Mo 0.75 Max.	Not Welded
	440B	0.75/0.95	1.00	1.00	16.00/18.00		Mo 0.75 Max.	Not Welded
	440C	0.95/1.20	1.00	1.50/3.00	16.00/18.00		Mo 0.75 Max.	Not Welded
	501	Over 0.10	1.00	1.00	1.00/6.00		Mo 0.40/0.65	SUPER-CR-5
	502	0.10	1.00	1.00	1.00/6.00		Mo 0.40/0.65	SUPER-CR-5

	AISI	CHEMICAL ANALYSIS OF STAINLESS STEELS (PERCENT)						
	TYRE No.	CARBON PERCENT	MANGANESE-MAXIMUM%	SILICON-MAXIMUM%	CHROMIUM PERCENT	NICKEL PERCENT	OTHER ELEMENTS PERCENT	Recomm. Electrode
FERRITIC	405	0.08 Max.	1.00	1.00	11.50/14.50		Al 0.10/0.30	SV-CR-13 or SV-410
	430	0.12 Max.	1.00	1.00	14.00/18.00			SV-17-CR or SV-430
	430F	0.12 Max.	1.25	1.00	14.00/18.00		S 0.15 Min.	Not Welded
	430FSe	0.12 Max.	1.25	1.00	14.00/18.00		Se 0.15 Min.	Not Welded
	442	0.20 Max.	1.00	1.00	18.00/23.00			Cromalloy-309 or 310
	446	0.20 Max.	1.50	1.00	23.00/27.00		N 20.25 Max.	Cromalloy-309 or 310

D & H INDIA LTD

IS-CLASSIFICATION (IS 814-2004)



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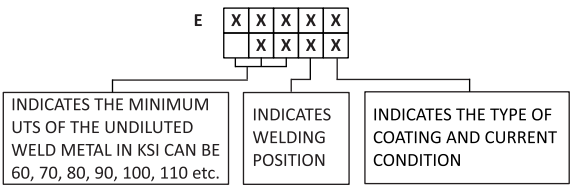
AWS CLASSIFICATION SFA 5.1 A FOUR OR A FIVE DIGIT CODING



A5.1	TYPE OF COVERING	WELDING POSITION	TYPE OF CURRENT
E6010	High cellulose sodium	F, V, OH, H	DCEP
E6011	High cellulose potassium	F, V, OH, H	AC or DCEP
E6012	High titania sodium	F, V, OH, H	AC or DCEN
E6013	High titania potassium	F, V, OH, H	AC, DCEP or DCEN
E6018	Low-hydrogen potassium, iron powder	F, V, OH, H	AC or DCEP
E6019	Iron oxide titania potassium	F. V. OH, H	AC, DCEP or DCEN
E6020	High iron oxide	H-fillet	AC or DCEN
		F	AC, DCEP or DCEN
E6022	High iron oxide	F, H-fillet	AC or DCEN
E6027	High iron oxide, iron powder	H-fillet	AC or DCEN
		F	AC, DCEP or DCEN
E7014	Iron powder, titania	F, V, OH, H	AC, DCEP or DCEN
E7015	Low-hydrogen sodium	F, V, OH, H	DCEP
E7016	Low-hydrogen potassium	F, V, OH, H	AC or DCEP
E7018	Low-hydrogen potassium, iron powder	F, V, OH, H	AC or DCEP
E7018M	Low-hydrogen iron powder	F, V, OH, H	DCEP
E7024	Iron powder, titania	H-fillet, F	AC, DCEP or DCEN
E7027	High iron oxide, iron powder	H-fillet	AC or DCEN
		F	AC, DCEP or DCEN
E7028	Low-hydrogen potassium, iron powder	H-fillet, F	AC or DCEP
E7048	Low-hydrogen potassium, iron powder	F, OH, H, V-down	AC or DCEP

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Note

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Optimum Efficiency - High Productivity

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Reg. No.: RQ911287

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