

The image is a promotional graphic for Nova welding consumables. It features a diagonal split: the top-left portion shows a welder in a red shirt working on a metal piece, with bright sparks emanating from the welding torch. The bottom-right portion shows a close-up of a welder's hands in orange protective gloves using pliers to adjust a component on a large, dark, cylindrical metal part. The background of the bottom-right section is filled with a dense shower of orange sparks. The Nova logo, consisting of the word 'nova' in a bold, blue, sans-serif font with a horizontal line underneath, and the tagline 'trusted by all' in a smaller, blue, sans-serif font below it, is positioned in the upper right corner of the white background.

nova
trusted by all

Welding Consumables for Every Industr

1. Mild Steel General Purpose Electrodes
2. Carbon Manganese Steel Electrodes - Low Hydrogen Type
3. Carbon Manganese Steel Electrodes - High Efficiency
4. Carbon Manganese Steel Electrodes - Galvanized Bath
5. Cellulosic Electrodes
6. Cutting and Gouging Electrodes
7. Medium and High Tensile Electrodes
8. Low Temperature Service Electrodes
9. Weathering Steel Electrodes
10. Creep Resistance Electrodes
11. Austenitic Stainless Steel Electrodes
12. Plain Chrome Stainless Steel Electrodes
13. Dissimilar Joining Stainless Steel Electrodes
14. Heat Resisting Stainless Steel Electrodes
15. Duplex and Super Duplex Stainless Steel Electrodes
16. Hard Facing Electrodes
17. Cast Iron Electrodes
18. Non Ferrous Electrodes - Nickel Alloy
19. Copper Coated MIG Wire
20. MIG / TIG Aluminum Filler Wire
21. MIG TIG Stainless Steel Filler Wire
22. Silver Copper Phosphorus Brazing Alloys

WELDING ELECTRODES

Mild Steel General Purpose Electrodes

AWS Grade	IS Standard	EN ISO Classi.	Brand Name
E 6013	ER 4211	—	Nova X-21 (Export)
E 6013	ER 4211	—	Nova X-13
E 6013	ER 4221X	—	Nova S
E 6013	ER 4221X	—	Nova SS

C-Mn Steel Electrodes - Low Hydrogen Type

AWS Grade	IS Standard	EN ISO 2650-A	Brand Name
E 7016	E B5426H ₃ X	E 42 3 B 12 H5	Nova LF 16
E 7018	E B5426H ₃ JX	E 42 2 B 32 H5	Nova 7018
E 7018-1	E B5629H ₃ JX	E 42 2 B 32 H5	Nova 7018-1

C-Mn Steel Electrodes - High Efficiency

AWS Grade	IS Standard	EN ISO Classi.	Brand Name
E 6020	E A4245X	—	Nova 20
E 7014	E RR5222 JX	—	Nova 14
E 7024	E RR5245 KX	—	Nova 24

C-Mn Steel Electrodes - Galvanize Bath

AWS Grade	IS Standard	EN ISO 1913	Brand Name
—	E S4122	E 4300 A 525	Nova Galv
—	—	—	Nova Galv LH

Cellulosic Electrodes

AWS Grade	IS Standard	EN ISO Classi.	Brand Name
E 6010	E C4310X	—	Nova Pipe 10
E 7010-G	—	—	Nova Pipe 10 Mo

Cutting and Gouging Electrodes

AWS Grade	IS Standard	EN ISO Classi.	Brand Name
—	—	—	Nova Cut
—	—	—	Nova Goug

Medium and High Tensile Electrodes

AWS Grade	IS Standard	EN ISO Classi.	Brand Name
E 9018 G	—	—	Nova Tens G
E 9018 M	—	—	Nova Tens M
E 10018 D2	—	—	Nova Tens D2
E 10016 G	—	—	Nova Ultratens G
E 10018 G	—	—	Nova Ultratens Cu
E 11018 M	—	—	Nova Ultratens M
E 11018 G	—	—	Nova Ultratens
E 12018 G	—	—	Nova Ultratens Spl
E 12018 M	—	—	Nova Ultratens M

Low Temperature Service Electrodes

AWS Grade	IS Standard	EN ISO Classi.	Brand Name
E 7018 G	—	—	Nova Alloy Ni
E 8018 G	—	—	Nova Alloy Ext
E 8018 G	—	—	Nova Alloy Ext Rev
E 8016 C3	—	—	Nova Nimo 1
E 8018 C4	—	—	Nova Nimo 1.5
E 8016 C1	—	—	Nova Nimo 2.5
E 7018 C1L	—	—	Nova Nimo 2.5L
E 10018 G	—	—	Nova Nimo Rev
E 8018 C1	—	—	Nova Nimo Ext
E 8016 C2	—	—	Nova Nimo 3.5
E 7016 C2L	—	—	Nova Nimo 3.5L
E 7018 C2L	—	—	Nova Nimo 3.5L Ext

Weathering Steel Electrodes

AWS Grade	IS Standard	EN ISO Classi.	Brand Name
E 8018 W2	—	—	Nova Cu



WELDING ELECTRODES

Creep Resistance Electrodes			
AWS Grade	IS Standard	EN ISO Classi.	Brand Name
E 7018 A1	—		Nova Mol
E 7018 A1	E 49 B A1 2 6 Fe		Nova Mo Rev
E 8018 D3	E 49 B A1 2 6 Fe		Nova Mo Sup
—	—		Nova Mo A
E 9018 D1	E 63 B D1 2 6		Nova Mo Ext
E 8018 G	—		Nova Cr 20
—	—		Nova Cr 12
—	—		Nova Cr 0.50
E 8018 B1	—		Nova Cr
E 8018 B2	E 55 B B2 2 6 Fe		Nova Cr 1
E 8018 B2	E 55 B B2 2 6 Fe		Nova Cr 1 Rev
E 8018 B2	—		Nova Cr 1 Sup
E 7018 B2L	—		Nova Cr 1L
E 7018 B2L	E 55 B B2 2 6 Fe		Nova Cr 1L Rev
E 9018 B3	E 63 B B3 2 6 Fe		Nova Cr 2
E 9018 B3	E 63 B B3 2 6 Fe		Nova Cr 2 Rev
E 9018 B3	—		Nova Cr 2 Sup
E 9018 G	—		Nova Cr 2V Sup
E 8018 B3L	—		Nova Cr 2L
E 8018 B3L	E 63 B B3 2 6 Fe		Nova Cr 2L Rev
E 8018 B6	—		Nova Cr 5
E 8018 B6	—		Nova Cr 5 Rev
E 8018 B6L	—		Nova Cr 5L
E 8018 B6L	—		Nova Cr 5L Rev
E 8018 B8	—		Nova Cr 9
E 8018 B8L	—		Nova Cr 9L
E 9018 B9	—		Nova Cr 9 Rev
E 9018 G	—		Nova Cr 9 Ext
E 9015 B9	—		Nova Cr 9 Ext Rev
E 9018 G	—		Nova Cr 23
E 9015 G	—		Nova Cr 24
E 9015 B9	—		Nova Cr 91
E 9018 B9	—		Nova Cr 92
E 9015 G	—		Nova Cr 91W

Austenitic Stainless Steel Electrodes			
AWS Grade	IS Standard	EN ISO Classi.	Brand Name
E 308-16	E 19.9 R26	E 19 9 R 12	Stainox 8
E 308H-16	—	E 19 9 R 12	Stainox 8H
E 308-15	E 19.9 B20	E 19 9 B 22	Stainox 8B
E 308-17	E 19.9 R36	E 19 9 R 13	Stainox 8A
E 308L-16	E 19.9 LR26	E 19 9 L R 12	Stainox 8L
E 308L-15	E 19.9 LB20	E 19 9 L B 22	Stainox 8LB
E 308L-17	E 19.9 LR36	E 19 9 L R 13	Stainox 8LA
E 316-16	E 19.9.2 R26	E 19 9 2 R 12	Stainox 16
E 316H-16	—	E 19 9 2 R 12	Stainox 16H
E 316-15	E 19.9.2 B20	E 19 9 2 B 22	Stainox 16B
E 316-17	E 19.9.2 R36	E 19 9 2 R 12	Stainox 16A
E 316L-16	E 19.9.2 LR26	E 19 9 2 L R 12	Stainox 16L
E 316L-15	E 19.9.2 LB20	E 19 9 2 L B 22	Stainox 16LB
E 316L-17	E 19.9.2 LR36	E 19 9 2 L R 13	Stainox 16LA
E 317L-16	E 19.12.3 LR26	E 19 12 3 L R 12	Stainox 17L
E 318-16	E 19.12.2 NbR26	E 19 12 3 Nb R 12	Stainox 18
E 318-15	E 19.12.2 NbB20	E 19 12 3 Nb B 22	Stainox 18B
E 318-17	E 19.12.2 NbR36	E 19 12 3 Nb R 13	Stainox 18A
E 318L-16	E 19.12.2 Nb LR26	E 19 12 2 Nb L R 12	Stainox 18L
E 318L-15	E 19.12.2 Nb LB20	E 19 12 2 Nb L B 22	Stainox 18LB
E 318L-17	E 19.12.2 Nb LR36	E 19 12 2 Nb L R 13	Stainox 18LA
E 347-16	E 19.9 Nb R26	E 19 9 Nb R 12	Stainox 47
E 347-15	E 19.9 Nb B20	E 19 9 Nb B 22	Stainox 47B
E 347-17	E 19.9 Nb R36	E 19 9 Nb R 13	Stainox 47A
E 347L-16	E 19.9 Nb LR26	E 19 9 Nb L R 12	Stainox 47L
E 347L-15	E 19.9 Nb LB20	E 19 9 Nb L B 22	Stainox 47LB
E 347L-17	E 19.9 Nb LR36	E 19 9 Nb L R 13	Stainox 47LA

Plain Chrome Stainless Steel Electrodes			
AWS Grade	IS Standard	EN ISO Classi.	Brand Name
E 410-15	—	E 13 B 22	Stainox 13Cr
E 410-26	—	—	Stainox 13Cr HF
E 410NiMo-16	—	—	Stainox 13.4
E 410NiMo-15	—	E 13 4 B 22	Stainox 13.4B
E 430-15	—	E 17 B 22	Stainox 17Cr



WELDING ELECTRODES

Dissimilar Joining Stainless Steel Electrodes

AWS Grade	IS Standard	EN ISO Classi.	Brand Name
E 309-16	E 23.12 R26	E 23 12 R 12	Stainox 9
E 309-15	E 23.12 B20	E 23 12 R 12	Stainox 9B
E 309-17	E 23.12 R36	E 23 12 B 22	Stainox 9A
E 309L-16	E 23.12 LR26	E 23 12 L R 12	Stainox 9L
E 309L-15	E 23.12 LB20	E 23 12 L B 22	Stainox 9LB
E 309L-17	E 23.12 LR36	E 23 12 L R 13	Stainox 9LA
E 309Mo-16	E 23.12.2 R26	E 23 12 2 R 12	Stainox 9Mo
E 309Mo-15	E 23.12.2 B20	E 23 12 2 R 12	Stainox 9MoB
E 309Mo-17	E 23.12.2 R36	E 23 12 2 B 22	Stainox 9MoA
E 309MoL-16	E 23.12.2 LR26	E 23 12 2 L R 12	Stainox 9MoL
E 309MoL-15	E 23.12.2 LB20	E 23 12 2 L B 22	Stainox 9MoLB
E 309MoL-17	E 23.12.2 LR36	E 23 12 2 L R 13	Stainox 9MoLA
E 309H-16	—	E 23 12 R 12	Stainox 9H
E 309Cb-16	E 23.12.Nb R26	E 23 12 Nb L R 12	Stainox 9Cb
E 309Cb-17	E 23.12.Nb R36	E 23 12 Nb L R 13	Stainox 9CbA
E 312-16	E 29.9 R26	E 29 9 R 12	Stainox 12

Heat Resisting Stainless Steel Electrodes

AWS Grade	IS Standard	EN ISO Classi.	Brand Name
E 310-16	E 25.20 R26	E 25 20 R 12	Stainox 10
E 310-17	E 25.20 R36	E 25 20 R 13	Stainox 10A
E 310H-16	—	—	Stainox 10H
E 310Mo-16	—	—	Stainox 10Mo
E 320-16	—	—	Stainox 20
E 320-15	—	—	Stainox 20B
E 320LR-16	—	—	Stainox 20LR
E 320LR-15	—	—	Stainox 20LRB
E 383-16	—	—	Stainox 83
E 383-15	—	—	Stainox 83B
E 385-16	—	—	Stainox 85
E 385-15	—	—	Stainox 85B

Duplex & Super Duplex Stainless Steel Electrodes

AWS Grade	IS Standard	EN ISO Classi.	Brand Name
E 2209-16	—	—	Stainox 2209
E 2209-15	—	—	Stainox 2209B
E 2553-16	—	—	Stainox 2553
E 2553-15	—	—	Stainox 2553B
E 2594-16	—	—	Stainox 2594
E 2594-15	—	—	Stainox 2594B
E 2595-16	—	—	Stainox 2595
E 2595-15	—	—	Stainox 2595B

Hard Facing Electrodes

AWS Grade	Hardness	Brand Name
—	250 BHN min on 3 rd Layer	Nova Hard 250
—	350 BHN min on 3 rd Layer	Nova Hard 350
—	350 BHN min on 3 rd Layer	Nova Hard 350LH
—	450 BHN min on 3 rd Layer	Nova Hard 450
—	550 BHN min on 3 rd Layer	Nova Hard 550
—	550 BHN min on 3 rd Layer	Nova Hard 550LH
—	625 BHN min on 3 rd Layer	Nova Hard 650
—	650 BHN min on 3 rd Layer	Nova Hard 650 Plus
—	375-475 BHN min on 3 rd Layer	Nova Dia Rod
—	425-485 BHN min on 3 rd Layer	Nova Die Rod ND
—	340-380 BHN min on 3 rd Layer	Nova Dia Rod HD
—	200-250 BHN min on 3 rd Layer	Nova Mang
—	Work Hardening : 500 BHN	Nova Mang Plus
—	Work Hardening : 500 BHN	Nova Chrom Mang
—	515-600 BHN min on 3 rd Layer	Nova Chrom Carb 20
—	@ 500°C : 400-450 BHN	Nova Chrom Carb 30



Cast Iron Electrodes

AWS Grade	IS Standard	EN ISO Classi.	Brand Name
E St	—	—	Nova Cast
E NiFe-Cl	—	—	Cast Fenic
E NiCu-B	—	—	Cast Cunic
E Ni-Cl	—	—	Cast Nic

Non-Ferrous Electrodes - Nickel Alloy

AWS Grade	IS Standard	EN ISO Classi.	Brand Name
E NiCu-7	—	E Ni 4060	Ferro Monel
E Ni-1	—	E Ni 2061	Ferronic 1
E NiCrCoMo	—	—	Ferronic Mo 1
E NiCrFe-2	—	E Ni 6092	Ferronic Fe 2
E NiCrFe-3	—	E Ni 6182	Ferronic Fe 3
E NiCrMo-3	—	E Ni 6625	Ferronic Mo 3
E NiCrMo-4	—	E Ni 6276	Ferronic Mo 4
E NiCrMo-5	—	E Ni 6275	Ferronic Mo 5
E NiCrMo-6	—	E Ni 6620	Ferronic Mo 6
E NiCrFe-7	—	—	Ferronic Fe 7
E NiCrMo-7	—	—	Ferronic Mo 7
E NiCrFe-9	—	—	Ferronic Fe 9
E NiCrMo-10	—	E Ni 6022	Ferronic Mo 10
E NiCrMo-12	—	E Ni 6627	Ferronic Mo 12
E NiCrMo-14	—	—	Ferronic Mo 14

MIG / TIG Stainless Steel Filler Wire

AWS Grade	Brand Name
AISI 304L	StainFIL SS 304L
ER 304L	StainFIL 304L / StainMIG 304L
ER 307Si	StainFIL 307Si / StainMIG 307Si
ER 308L	StainFIL 308L / StainMIG 308L
ER 308LSi	StainFIL 308LSi / StainMIG 308LSi
ER 309L	StainFIL 309L / StainMIG 309L
ER 309LSi	StainFIL 309Si / StainMIG 309Si
ER 310	StainFIL 310 / StainMIG 310
ER 312	StainFIL 312 / StainMIG 312
ER 316L	StainFIL 316L / StainMIG 316L
ER 316L	StainFIL 316L / StainMIG 316L
ER 316LSi	StainFIL 316LSi / StainMIG 316LSi
ER 316LSi	StainFIL 316LSi / StainMIG 316LSi
ER 317L	StainFIL 317L / StainMIG 317L
ER 347	StainFIL 347 / StainMIG 347
ER 430	StainFIL 430 / StainMIG 430
ER 430LNb	StainFIL 430LNb / StainMIG 430LNb
ER 2209	StainFIL 2209 / StainMIG 2209
ER 2253	StainFIL 2253 / StainMIG 2253
ER 2594	StainFIL 2594 / StainMIG 2594
ER 2594	StainFIL 2595 / StainMIG 2595

BRAZING ALLOYS »

WELDING WIRE »

Copper Coated MIG Wire

AWS Grade	Brand Name
ER 70S-2	Nova MIG-2
ER 70S-3	Nova MIG-3
ER 70S-6	Nova MIG

Aluminum MIG / TIG Filler Wire

AWS Grade	Brand Name
ER 4043	Nova AluFIL 4043 / Nova AluMIG 4043
ER 5356	Nova AluFIL 5356 / Nova AluMIG 5356

Silver Copper Phosphorus Brazing Alloys

AWS Grade	IS Standard	EN ISO Classi.	Brand Name
BCuP-1	BA Cu P1	—	Nova SilFil 101A
BCuP-2	BA Cu P2	CP 202	Nova SilFil 101
—	—	—	Nova SilFil 101B
BCuP-6	BA Cu P3	CP 105	Nova SilFil 102
BCuP-3	BA Cu P4	CP 104	Nova SilFil 105
BCuP-7	—	—	Nova SilFil 105A
BCuP-4	—	—	Nova SilFil 106
BCuP-5	BA Cu P5	CP 102	Nova SilFil 115
—	—	CP 101	Nova SilFil 118

Available in wires, strips, wire flattening, wire pre-forms, strip pre-forms granules and spheres.



PACKING AND RE-DRYING INSTRUCTION

Standard Electrode Sizes

Diameter in mm	2.00	2.40 / 2.50 / 2.60	3.15 / 3.20	4.00	5.00
Diameter in inch	5/64	3/32	1/8	5/32	3/16
Length in mm	350	350	350 / 450	350 / 450	450

Standard Electrodes Packing

Mild Steel and Other Electrodes	Packed in 2.50 / 5.00 Kg (approx.) of corrugated small box further packed in big corrugated box
Stainless Steel and Special Electrodes	Packed in 2.00 / 5.00 Kg (approx) of plastic box/tube further packed in big corrugated box
Vaccum Pack	Available on request
Custom / Neutral Packing	Available on request

Re-drying Condition for Electrodes

Type of Electrodes	Re-drying Temp.	Duration	Re-drying Temp.
Rutile Coated / Mild Steel / Low Tensile Electrodes	120°C ±10°C	1 hour	As storage
Basic Coated / Hydrogen Controlled Electrodes	250°C ±10°C	1 hour	100°C
Stainless Steel / Hard Facing Electrodes	250°C ±10°C	1 hour	100°C
Nickel and Nickel based Alloy Electrodes	250°C ±10°C	1 hour	100°C
Cast Iron Electrodes	150°C ±10°C	1 hour	60°C

Please note : All the above directives are for optimum results and is only for broad guideline.

TIG / MIG Wire Packing

MIG Wire Spool Packing	Available in 1.00 Kg (SD 100), 5.00 Kg (SD 200), 12.50/15.00 Kg (SD 300) plastic or BS 300 basket spool
MIG Wire Drum Pac for Robotic Welding	Available in 100 Kg or 250 Kg
TIG Wire Packing	5 Plastic or fibre tube of 5.00 Kg each further packed in corrugated box Available Length : 1000 mm

AADHYA ENGINEERING SERVICES

(Supplier and Exporters of Welding Electrodes, Welding Wires and Ready Mix Fluxes)