

We Make Together... **WELDING CONSUMABLES**



Raajratna Electrodes Pvt. Ltd., is one of the largest manufacturer & exporter of welding consumables in the country. It is an ISO 9001:2015 certified company and it also wears the badge of a Government Accredited One Star Export House a title conferred on companies that meet national and international standards of quality and excellence.

It is a part of well-known "Raajratna Group" involved in Stainless Steel Wires, Fasteners and Tubes having their state-of-the-art manufacturing units on Ahmedabad - Mehsana Highway.

Our production team is highly skilled and we always aim to give zero defect products to our customers. Our quality assurance and R&D team always strives for continuous improvement in our products keeping in view customer's requirement.

Raajratna Electrodes offers complete range of Welding Consumables viz.

- **MANUAL METAL ARC WELDING ELECTRODE (MMAW)**
- **COPPER COATED WELDING WIRE (TIG / MIG / SAW)**
- **STAINLESS STEEL WELDING WIRE (TIG / MIG / SAW)**
- **SUBMERGED ARC WELDING WIRE & FLUX**
- **FLUX CORED ARC WELDING WIRE (FCAW)**



Welding Consumables manufactured by the company are meeting international quality standards i.e. AWS, DIN, BS, JIS etc. We adopt latest and innovative technology and our products are approved by International and National agencies like ABS, BAX COUNSEL, BHEL, BIS, BV, DNV-GL, D&B, ESSAR, GWSSB, IBR, IRS, LR, L & T, NTPC LTD., NPCIL & RDSO.



Raajratna
electrodes pvt. ltd.

An ISO 9001:2015 Certified Company & Government Recognized One Star Export House

Welding Consumables

Stick Welding Electrode

Raajratna Grade	AWS Code	Raajratna Grade	AWS Code
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Special Pipe Welding Electrode

RATNA 6010	E 6010	RATNA 8010-G	E 8018-G
RATNA 6011	E 6011	RATNA 8018-P2	E 8018-P2
RATNA 7010-P1	E 7010-P1	RATNA LH-80	E 8045-P2

Low & Medium Tensile Steel Electrode

RATNA 6013	E 6013	RATNA 7016/7016W	E 7016
RATNA 6013X/6013XX	E 6013	RATNA 7018	E 7018
RATNA 6022	E 6022	RATNA 7018H4R	E 7018H4R
RATNA 7014	E 7014	RATNA 7024	E 7024

Low Alloy Electrode for Low Temperature Service

RATNA 7018 SPL	E 7018-1	RATNA 8016 (Ni) SPL	E 8016-G
RATNA 7018 Ni	E 7018-G	RATNA 8018 C1/C2/C3	E 8018 C1/C2/C3

Electrode for High Tensile & Quenched & Tempered Steel

RATNA 7018 M	E 7018-A1	RATNA HT 75	E 10016-G
RATNA HT	E 9018-G	RATNA HT 75 D2	E 10018-D2
RATNA HT 65 SPL	E 9018M	RATNA HT SPL	E 11018M
RATNA HT 65 D1	E 9018-D1	RATNA HT 80	E 12018M

Electrode for Creep Resistant Steel

RATNA CR 1	E 8018-B2	RATNA CR 9	E 8018-B8
RATNA CR 2	E 9018-B3	RATNA CR 9 SPL	E 9018-B9
RATNA HT CR 5	E 8018-B6		

Hard Facing Electrode

Raajratna Grade	Hardness	Raajratna Grade	Hardness
RATNA HF 1	250-350 BHN	RATNA HF II LH	350-400 BHN
RATNA HF 2	350-450 BHN	RATNA HF LH	550-650 BHN
RATNA HF 3	550-650 BHN	RATNA HF MN	AW:200-240BHN
RATNA HF LH	550-650 BHN		

Copper Coated TIG & MIG Welding Wire

Raajratna Grade	Standard
RAAJ MIG-1	AWS : A 5.18 ER 70 S 6
RAAJ MIG-S2	AWS : A 5.18 ER 70 S 2
RAAJ MIG-S3	AWS : A 5.18 ER 70 S 3
RAAJ MIG-80G	AWS : A 5.28 ER 80 S G
RAAJ MIG-90G	AWS : A 5.28 ER 90 S G
RAAJ MIGER80SD2	AWS : A 5.28 ER 80 S D2

■ Above range is also available in RAAJTIG for TIG Welding Process.

Stainless Steel Welding Wire : (TIG/MIG/SAW)

Raajratna Grade	Standard
RAAJ ER 307/307Si	AWS : A 5.9 ER 307/307Si (Nr.)
RAAJ ER 308L/308L Si	AWS : A 5.9 ER 308L/308L Si
RAAJ ER 309L/309L Si	AWS : A 5.9 ER 309L/309L Si
RAAJ ER 316L/316L Si	AWS : A 5.9 ER 316L
RAAJ ER 317L	AWS : A 5.9 ER 317L
RAAJ ER 347/347Si	AWS : A 5.9 ER 347/347 Si
RAAJ ER 430	AWS : A 5.9 ER 430
RAAJ ER 2209	AWS : A 5.9 ER 2209
RAAJ ER 2210	AWS : A 5.9 ER 385

Nickel & Nickel Alloy Bare Welding Wire

Raajratna Grade	Standard
RAAJ Inconel 625	AWS : A 5.14 ER NiCrMo-3
RAAJ Inconel 825	AWS : A 5.14 ER NiCr-3

Aluminum & Aluminum Alloy Bare Welding Wire

Raajratna Grade	Standard
RAAJ ER 4043	AWS : A 5.10 ER 4043
RAAJ ER 5356	AWS : A 5.10 ER 5356

Raajratna Grade	AWS Code	Raajratna Grade	AWS Code
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Stainless Steel Electrode

RATNA 308/308L	E 308-16	RATNA 36Nb	E 318-16
RATNA 309/309L	E 309/309L-16	RATNA 317L	E 317L-16
RATNA 309LMO	E 309LMO-16	RATNA 347	E 347-16
RATNA 310	E 310-16	RATNA 13 Cr	E 410-15
RATNA 316	E 316-16	RATNA 17Cr	E 430-15
RATNA 316L	E 316L-16	RATNA 18/8/5	E 307-16 (Nr.)
RATNA 312	E 312-16	RATNA 13/4/0.5	E 410NiMo-15

Special Stainless Steel Electrode

RATNA 330	E 330-16	RATNA 2553	E 2553-16
RATNA 630	E 630-16	RATNA 2593	E 2593-16
RATNA 2093L	E 2209-16	RATNA 2594	E 2594-16
RATNA 25/20 Spl	E 310-16 (Nr.)	RATNA 2595	E 2595-16
RATNA 20/25/5Cu	E 385-16	RATNA 320	E 320-16

Cast Iron Electrode

CAST STEEL	ESt	CAST MONEL	ENi Cu-B
CAST FN	ENi Fe-Cl	CAST BRONZE	E CuSn-C
CAST Ni	ENi-Cl		

Cutting & Gouging Electrode

CUT ROD	- - -	GOUGE ROD	- - -
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Nickel & Nickel Based Alloys

RATNA B Ni 65	ENi Cr Fe-2	RATNA B Ni 90	ENi Cr Mo-6
RATNA B Ni 70	ENi Cr Fe-3	RATNA Ni Cu	ENi Cu-7
RATNA B Ni 80	ENi Cr Mo-3		

Flux Cored Arc Welding Wire (FCAW)

Raajratna Grade	Standard
RAAJCORED 70	AWS : A 5.20 E 70 T-1
RAAJCORED 71	AWS : A 5.20 E 71 T-1C/1M
RAAJCORED 715	AWS : A 5.20 E 71 T-5C/5M
RAAJCORED 81-Ni 1	AWS : A 5.20 E 81 T-1-Ni1
RAAJCORED 81-Ni 2	AWS : A 5.20 E 81 T-1-Ni2-C/1M
RAAJCORED 81 A1	AWS : A 5.20 E 81 T-1-A1
RAAJCORED 81 W	AWS : A 5.20 E 81 T-W2
RAAJCORED 81 B2	AWS : A 5.20 E 81 T-B2
RAAJCORED 91 B3	AWS : A 5.20 E 91 T-B3
RAAJCORED 81 K2	AWS : A 5.20 E 81 T-K2

Copper Coated SAW Wire

Raajratna Grade	Standard
RAAJ SAW-1	AWS : A 5.17 EL 8
RAAJ SAW-2	AWS : A 5.17 EM 12 K
RAAJ SAW-3	AWS : A 5.17 EH 14
RAAJ SAW-A2	AWS : A 5.23 EA2

Submerged Arc Welding Flux (Agglomerated)

Raajratna Grade	Standard
RAAJMELT-1	AWS : A 5.17 F7A0 EL8
RAAJMELT-2	AWS : A 5.17 F7A2-EM12K
RAAJMELT-3	AWS : A 5.17 F7A2-EH14
RAAJMELT-4	AWS : A 5.17 F7A5-EM12K
RAAJMELT-61	AWS : A 5.17 F7A2-EM12K
RAAJMELT-81	AWS : A 5.17 F7A2-EM12K
RAAJMELT-SPL	AWS : A 5.17 F7 A2-EA2
RAAJMELT-SS	All S S Wires

Copper & Copper Alloy Bare Welding Wire

Raajratna Grade	Standard
RAAJ Bronze - A	AWS : A 5.7 ER CuSn - A
RAAJ Bronze - C	AWS : A 5.7 ER CuSn - C

■ Customised products, Low heat input and special welding alloys are also available as per user specific requirements.



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Manufacturer-Exporter of Welding Consumables

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