

# SUPERBAZ

## ELECTROD BAZIC / LOW HYDROGEN ELECTRODE



### CLASIFICARE / STANDARDS

EN 499:	E 42 4 B 42 H5
AWS A5.1:	E 7018
EN ISO 2560 - A:	E 42 4 B 42 H5

### AUTORIZARI / APPROVALS

LRS:	3m3Ym H5	DB:	N° 10.116.04
DNV:	3Y H10	ABS:	3Y
TÜV:	E42 4B	ANR:	3YHH
BV:	3YHH	GL:	3Y H10

### CARACTERISTICI PRINCIPALE

Electrozi bazici cu pulbere de fier in invelis, destinati structurilor puternic solicitate static si dinamic si sectiunilor groase din oteluri slab aliate, la temperaturi de pana la -40°C. Se recomanda pentru sudarea otelurilor urmatoare:

- OL 44.4; OL 52.2; OL 52.4; OL 50 - STAS 500/2
- K 41.6a; K47.6a - STAS 2883/3
- OT 450.1; OT 450.2; OT 450.3; OT 500.1; OT 500.2; OT 500.3 - STAS 600
- A32; D32; D36 - STAS 8324
- OCS 44.4a; OCS 52.5a - STAS 9021
- S185, S235, S275, S355 - EN 10025
- P235, P265, P295, P335 - EN 10028-2
- S275; S355; S420 - EN 10113-3

Arcul arde stabil. Bun aspect al cordonului cu stropire redusa. Zgura acopera bine randul de sudura, iar dupa solidificare se desprinde usor. Continutul de hidrogen difuzibil: max. 5 cm<sup>3</sup>/ 100g M.D. Randamentul nominal efectiv: RE = 116%.

### DOMENII DE APLICATIE

Recipienti sub presiune, inclusiv pentru industria chimica si petrochimică, constructia de nave, sudarea tevelor, fabricarea platformelor marine.

### MAIN FEATURES

Heavy covered basic type electrode, designed for works highly strained at static and dynamic loadings. It is used in structural engineering, boilers, tanks and vehicle constructions and also bridges and shipbuilding. It is recommended for a service temperature down to 40°C. It is recommended for the materials:

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- K 41.6a; K47.6a - STAS 2883/3
- OT 450.1; OT 450.2; OT 450.3; OT 500.1; OT 500.2; OT 500.3 - STAS 600
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The electrode welds with a stable arc and a very low spattering loss. The slag is easy to remove. It deposits a low hydrogen content weld metal. The diffusible hydrogen content of weld metal places the electrode in class B - low hydrogen content - max. 5 cm<sup>3</sup>/ 100 g M.D. Weld metal recovery: RE = 116%.

### MAIN APPLICATIONS

Vessels, boilers fabrication including for chemical petrochemical industry; ship buildings, pipes fabricatio; off-shore fabrication.

### POZITII DE SUDARE / WELDING POSITIONS



1G PA 2F PB 2G PC 3G PF 4G PE 5G PF EN AWS

### CURRENT / CURRENT: DC+, AC

### ANALIZA CHIMICA A METALULUI DEPUS % / ALL - WELD METAL CHEMICAL ANALYSIS %

C	Mn	Si	S	P				
0.05 - 0.9	0.80 - 1.20	0.25 - 0.65	≤ 0.015	≤ 0.025				

### CARACTERISTICI MECANICE / MECHANICAL PROPERTIES

Tratament termic/Heat treatment	Rm N/mm <sup>2</sup>	Rs N/mm <sup>2</sup>	E % 5d	Kv J -40°C
Stare sudată/As welded	510 - 640	≥ 430	≥ 24	≥ 47
Dupa/after 620°Cx 1h	500 - 620	≥ 420	≥ 22	≥ 47

### DEPOZITARE - CALCINARE

A se pastra in locuri uscate la temperatura camerei. Inainte de sudare electrozii se vor usca in mod obligatoriu timp de 2 ore la 250 ÷ 300°C.

### STORAGE - REBAKING

Keep dry and store at room temperature. Rebaking: 2h min. at 250 ÷ 300°.

### CURENTI DE SUDARE / AMPERAGE

2.00	2.50	3.20	4.00	5.00	6.00			
50 - 80	65 - 90	120 - 140	160 - 190	210 - 230	210 - 230			

### AMBALARE / PACKING

Diametru	mm	2.00	2.50	2.50	3.20	3.20	4.00	4.00	5.00	6.00
Lungime / Length	mm	300	300	350	350	450	350	450	450	450
Greutate pe electrod / Weight per electrode	g	12.40	18.90	22.30	35.70	46.70	51.00	67.80	100.90	137.10
Nr de fire pe pachet / Pcs. per innerbox	n°	283	180	180	112	112	80	80	55	42
Greutate pachet / Weight per innerbox	kg	3.5	3.5	4.0	4.0	5.5	4.0	5.5	5.5	6.0
Nr de fire pe cutie / Pcs. per outerbox	n°	1132	740	540	336	336	240	240	165	126
Greutate pe cutie / Weight per outerbox	kg	10.5	10.5	12.0	12.0	16.5	12.0	16.5	16.5	18.0
Cod / Code		W0002 88304	W0002 88305	W0002 88306	W0002 88307	W0002 88308	W0002 88309	W0002 88310	W0002 88311	W0002 88312
Cod / Code VPM (vacuum pack mediu)				W0002 88313	W0002 88314	W0002 88315	W0002 88316	W0002 88317	W0002 88318	

Datele mentionate pot fi modificate fara o notificare prealabila. / The above data may change without prior notice.