

# FREZE CARBURĂ UNIVERSALE S814

| Grupe de materiale și regimuri de așchiere |      |                               | Duritate    | Rezistența mecanică |     |        |
|--|------|-------------------------------|-------------|---------------------|-----|--------|
| Grupa de materiale pentru aplicatie (AMG)  |      |                               | HB          | N/mm <sup>2</sup>   | ISO |        |
| 1. Otel                                    | 1.1  | Otel magnetic moale           | < 120       | < 400               | P 1 | ■ 270B |
|  | 1.2  | Otel structural, de cementare | < 200       | < 700               | P 1 | ■ 225B |
|  | 1.3  | Otel carbon                   | < 250       | < 850               | P 2 | ■ 175B |
|  | 1.4  | Otel aliat                    | < 250       | < 850               | P 3 | ■ 175B |
|  | 1.5  | Otel aliat, imbunatatit       | > 250 < 350 | > 850 < 1200        | P 4 | ■ 125B |
|  | 1.6  | Otel aliat, imbunatatit       | > 350       | > 1200 < 1620       | H 1 | ● 100B |
|  | 1.7  | Otel aliat, calit             | 49-55HRC    | > 1620              | H 3 |        |
|  | 1.8  | Otel aliat, calit             | 55-63HRC    | > 1980              | H 4 |        |
| 2. Otel inox                               | 2.1  | Prelucrare libera             | < 250       | < 850               | M 1 | ■ 125A |
|  | 2.2  | Austenitic                    | < 320       | < 1100              | M 3 | ● 85A  |
|  | 2.3  | Feritic+austenitic            | < 300       | < 1000              | M 2 | ● 85A  |
|  | 2.4  | drificat prin precipitare     | >320 <410   | >1100 <1400         | S 2 |        |
| 3. Fonta                                   | 3.1  | Grafit lamelar                | < 150       | > 500               | K 1 | ■ 205B |
|  | 3.2  | Grafit lamelar                | > 150 <300  | > 500 < 1000        | K 2 | ■ 125B |
|  | 3.3  | Grafit nodular                | < 200       | < 700               | K 3 | ■ 125B |
|  | 3.4  | Grafit nodular                | > 200 < 300 | > 700 < 1000        | K 4 | ■ 105B |
| 4. Titan                                   | 4.1  | Nealiat                       | < 200       | < 700               | S 1 | ● 205B |
|  | 4.2  | Aliat                         | < 270       | < 900               | S 2 | ● 105B |
|  | 4.3  | Aliat                         | > 270 < 350 | > 900 ≤ 1250        | S 3 |        |
| 5. Nickel                                  | 5.1  | Nealiat                       | < 150       | < 500               | S 1 | ● 205B |
|  | 5.2  | Aliat                         | < 270       | > 900               | S 2 | ● 40A  |
|  | 5.3  | Aliat                         | > 270 < 350 | > 900 < 1200        | S 3 |        |
| 6. Cupru                                   | 6.1  | Nealiat                       | < 100       | < 350               | N 3 | ● 255C |
|  | 6.2  | Alama, bronz                  | < 200       | < 700               | N 4 | ■ 255C |
|  | 6.3  | Alama CuZn                    | < 200       | < 700               | N 3 | ■ 255C |
|  | 6.4  | Bronz inalta rezistenta       | < 470       | < 1500              | N 4 | ■ 32C  |
| 7. Aluminiu<br>Magneziu                    | 7.1  | Al, Mg nealiat                | < 100       | < 350               | N 1 | ● 640C |
|  | 7.2  | Al aliat cu Si <0.5%          | < 150       | < 500               | N 1 | ● 640C |
|  | 7.3  | Al aliat cu Si >0.5% <10%     | < 120       | < 400               | N 1 | ● 380C |
|  | 7.4  | Al aliat cu Si >10%           | < 120       | < 400               | N 2 | ● 190B |
| 8. Materiale<br>sintetice                  | 8.1  | Termoplastice                 | ---         | ---                 | O   | ● 255C |
|  | 8.2  | Termoreactive                 | ---         | ---                 | O   | ● 255C |
|  | 8.3  | Plastic armat                 | ---         | ---                 | O   |        |
| 9. Materiale dure                          | 9.1  | Cermet (metal ceramica)       | < 550       | < 1700              | H   |        |
| 10. Grafit                                 | 10.1 | Grafit standard               | ---         | < 100               | O   |        |

■ Excelent ● Bun

| Ae Ap<br>(x Ø) (x Ø) |   | Ø [mm] fz [mm/Z] ± 25% |       |       |       |       |       |       |       |       |       |       |       |       |
|----------------------|---|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                      |   | Ø                      | 1     | 2     | 3     | 4     | 5     | 6     | 8     | 10    | 12    | 14    | 16    | 18    |
|                      | A | 0.005                  | 0.010 | 0.015 | 0.019 | 0.024 | 0.028 | 0.034 | 0.040 | 0.046 | 0.052 | 0.058 | 0.064 | 0.070 |
|                      | B | 0.007                  | 0.014 | 0.020 | 0.026 | 0.032 | 0.037 | 0.046 | 0.053 | 0.061 | 0.069 | 0.077 | 0.085 | 0.093 |
|                      | C | 0.009                  | 0.017 | 0.025 | 0.032 | 0.040 | 0.046 | 0.057 | 0.067 | 0.077 | 0.087 | 0.096 | 0.106 | 0.116 |
|                      | D | 0.010                  | 0.020 | 0.030 | 0.039 | 0.048 | 0.056 | 0.069 | 0.080 | 0.092 | 0.104 | 0.115 | 0.127 | 0.139 |
|                      | E | 0.012                  | 0.024 | 0.035 | 0.045 | 0.055 | 0.065 | 0.080 | 0.093 | 0.107 | 0.121 | 0.134 | 0.149 | 0.162 |
|                      | F | 0.014                  | 0.027 | 0.040 | 0.052 | 0.063 | 0.074 | 0.092 | 0.107 | 0.122 | 0.138 | 0.153 | 0.170 | 0.185 |
|                      | G | 0.016                  | 0.031 | 0.045 | 0.058 | 0.071 | 0.083 | 0.103 | 0.120 | 0.138 | 0.156 | 0.173 | 0.191 | 0.209 |
|                      | H | 0.017                  | 0.034 | 0.050 | 0.065 | 0.079 | 0.093 | 0.114 | 0.133 | 0.153 | 0.173 | 0.192 | 0.212 | 0.232 |

\* Pentru comenzi de minim 100 €, transportul este gratuit!



**METAL STAR SRL**

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OFERTĂ \*  
SPECIALĂ

DISCOUNT  
45%

FREZE CARBURĂ UNIVERSALE

**DORMER**



S814HA



|        |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| S814HA | ■ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 2.1 | 3.1 | 3.2 | 3.3 | 3.4 | 6.2 | 6.3 | 6.4 |     |
|        | ■ | 1.6 | 2.2 | 2.3 | 4.1 | 4.2 | 5.1 | 5.2 | 6.1 | 7.1 | 7.2 | 7.3 | 7.4 | 8.1 | 8.2 |



| d <sub>1</sub><br>Ø<br>mm | d <sub>2</sub><br>Øh <sub>6</sub><br>mm | l <sub>2</sub><br>mm | l <sub>1</sub><br>mm | z | COD<br>COMANDĂ | PREȚ**<br>UNITAR |
|---------------------------|---|----------------------|----------------------|---|----------------|------------------|
| 2.00                      | 6                                       | 7                    | 57                   | 4 | S814HA2.0      | 18,70 €          |
| 3.00                      | 6                                       | 8                    | 57                   | 4 | S814HA3.0      | 18,70 €          |
| 4.00                      | 6                                       | 11                   | 57                   | 4 | S814HA4.0      | 20,40 €          |
| 5.00                      | 6                                       | 13                   | 57                   | 4 | S814HA5.0      | 20,80 €          |
| 6.00                      | 6                                       | 13                   | 57                   | 4 | S814HA6.0      | 20,80 €          |
| 8.00                      | 8                                       | 19                   | 63                   | 4 | S814HA8.0      | 29,10 €          |
| 10.00                     | 10                                      | 22                   | 72                   | 4 | S814HA10.0     | 38,40 €          |
| 12.00                     | 12                                      | 26                   | 83                   | 4 | S814HA12.0     | 52,90 €          |
| 16.00                     | 16                                      | 32                   | 92                   | 4 | S814HA16.0     | 87,50 €          |
| 20.00                     | 20                                      | 38                   | 104                  | 4 | S814HA20.0     | 134,80 €         |
| 25.00                     | 25                                      | 45                   | 121                  | 4 | S814HA25.0     | 161,70 €         |

## S814

- Set freze carbura
- A=tip în set, B=Nr. în Set, C=Diametre în Set



| A    | B | C                                      | COD<br>COMANDĂ | PREȚ UNITAR** |
|------|---|--|----------------|---------------|
| S814 | 4 | Ø 6.00 mm, 8.00 mm, 10.00 mm, 12.00 mm | S814SET        | 135,00 €      |

\* Ofertă valabilă până la 31 martie 2018

\*\*Prețurile nu conțin TVA