

## **Alloy Steel, F9, 9Cr1Mo, UNS K90941, Disc Ø 38 x 19 mm**

|                 |                                   |
|-----------------|-----------------------------------|
| Art. ID         | IARM-FeF9-18-G                    |
| Unit            | disc                              |
| Deliverydetails | No Dangerous Good /not restricted |

### Description

This type of steel has many uses, and is good for mild corrosive or erosive applications, and can withstand a wide range of temperatures.

| Text/Information | Analyte/Parameter | CAS number  | Concentration/Value | Unit | Method | Source |
|------------------|-------------------|-------------|---------------------|------|--------|--------|
| Certified Value  | Arsenic (As)      | [7440-38-2] | 0,006 ± 0,001       | %    |        |        |
| Certified Value  | Carbon (C)        | [7440-44-0] | 0,104 ± 0,002       | %    |        |        |
| Certified Value  | Calcium (Ca)      | [7440-70-2] | 0,002 ± 0,001       | %    |        |        |
| Certified Value  | Cobalt (Co)       | [7440-48-4] | 0,013 ± 0,002       | %    |        |        |
| Certified Value  | Chromium (Cr)     | [7440-47-3] | 8,72 ± 0,07         | %    |        |        |
| Certified Value  | Copper (Cu)       | [7440-50-8] | 0,093 ± 0,003       | %    |        |        |
| Certified Value  | Iron (Fe)         | [7439-89-6] | 88,9 ± 0,1          | %    |        |        |
| Certified Value  | Manganese (Mn)    | [7439-96-5] | 0,459 ± 0,004       | %    |        |        |
| Certified Value  | Molybdenum (Mo)   | [7439-98-7] | 0,94 ± 0,01         | %    |        |        |
| Certified Value  | Nitrogen (N)      | [7727-37-9] | 0,0323 ± 0,0009     | %    |        |        |
| Certified Value  | Niobium (Nb)      | [7440-03-1] | 0,078 ± 0,003       | %    |        |        |
| Certified Value  | Nickel (Ni)       | [7440-02-0] | 0,148 ± 0,003       | %    |        |        |
| Certified Value  | Oxygen (O)        | [7782-44-7] | 0,0025 ± 0,0003     | %    |        |        |
| Certified Value  | Phosphorus (P)    | [7723-14-0] | 0,011 ± 0,002       | %    |        |        |
| Certified Value  | Sulfur (S)        | [7704-34-9] | 0,0036 ± 0,0003     | %    |        |        |
| Certified Value  | Antimony (Sb)     | [7440-36-0] | 0,0026 ± 0,0007     | %    |        |        |
| Certified Value  | Silicon (Si)      | [7440-21-3] | 0,345 ± 0,008       | %    |        |        |
| Certified Value  | Tin (Sn)          | [7440-31-5] | 0,0062 ± 0,0004     | %    |        |        |
| Certified Value  | Titanium (Ti)     | [7440-32-6] | 0,0028 ± 0,0009     | %    |        |        |
| Certified Value  | Vanadium (V)      | [7440-62-2] | 0,214 ± 0,007       | %    |        |        |
| Certified Value  | Tungsten (W)      | [7440-33-7] | 0,003 ± 0,0002      | %    |        |        |
| Indicative Value | Aluminium (Al)    | [7429-90-5] | ~206                | ppm  |        |        |
| Indicative Value | Boron (B)         | [7440-42-8] | ~6                  | ppm  |        |        |
| Indicative Value | Bismuth (Bi)      | [7440-69-9] | <10                 | ppm  |        |        |
| Indicative Value | Cadmium (Cd)      | [7440-43-9] | <10                 | ppm  |        |        |
| Indicative Value | Hydrogen (H)      | [1333-74-0] | <1                  | ppm  |        |        |
| Indicative Value | Magnesium (Mg)    | [7439-95-4] | <10                 | ppm  |        |        |
| Indicative Value | Lead (Pb)         | [7439-92-1] | <50                 | ppm  |        |        |
| Indicative Value | Selenium (Se)     | [7782-49-2] | <50                 | ppm  |        |        |

|                  |                |             |     |     |
|------------------|----------------|-------------|-----|-----|
| Indicative Value | Tantalum (Ta)  | [7440-25-7] | <60 | ppm |
| Indicative Value | Zinc (Zn)      | [7440-66-6] | <50 | ppm |
| Indicative Value | Zirconium (Zr) | [7440-67-7] | <50 | ppm |