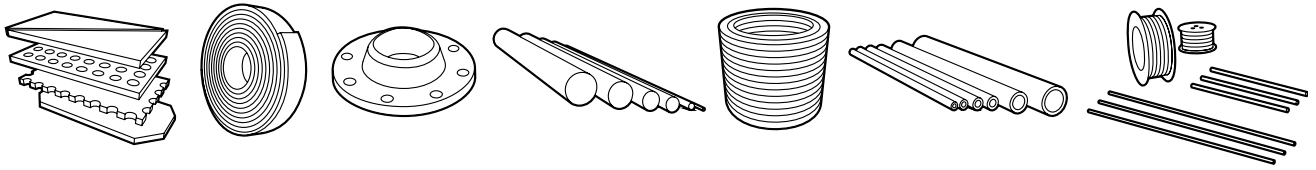


# Linecard

## High Performance Alloys



Zapp is certified acc. to ISO 9001 and ISO EN 9120



| Materials <sup>1</sup>    | Material-No. | UNS    |
|---------------------------|--------------|--------|
| <b>Nickel Base Alloys</b> |              |        |
| HASTELLOY® B-3® alloy     | 2.4600       | N10675 |
| HASTELLOY® C-4 alloy      | 2.4610       | N06455 |
| HASTELLOY® C-22® alloy    | 2.4602       | N06022 |
| HASTELLOY® C-22 HS® alloy |              | N07022 |
| HASTELLOY® C-276 alloy    | 2.4819       | N10276 |
| HASTELLOY® C-2000® alloy  | 2.4675       | N06200 |
| HASTELLOY® G-30® alloy    | 2.4603       | N06030 |
| HASTELLOY® G-35® alloy    | 2.4643       | N06035 |
| HASTELLOY® G-50® alloy    |              | N06950 |
| HASTELLOY® HYBRID-BC1®    | 2.4708       | N10362 |
| HAYNES® 214® alloy        | 2.4646       | N07214 |
| HAYNES® HR-224® alloy     |              |        |
| HAYNES® 230® alloy        | 2.4733       | N06230 |
| HAYNES® HR-235™ alloy     |              |        |
| HAYNES® 242® alloy        |              | N10242 |
| HAYNES® 263® alloy        |              | N07263 |
| HAYNES® 282® alloy        |              | N07208 |
| HAYNES® HR-160® alloy     | 2.4880       | N12160 |
| HASTELLOY® X alloy        | 2.4665       | N06002 |
| Alloy 200                 | 2.4066       | N02200 |
| Alloy 201                 | 2.4068       | N02201 |
| Alloy 400                 | 2.4360       | N04400 |
| Alloy K-500               | 2.4375       | N05500 |
| Alloy 600                 | 2.4816       | N06600 |
| Alloy 601                 | 2.4851       | N06601 |
| Alloy 602 CA              | 2.4633       | N06025 |
| Alloy 617                 | 2.4663       | N06617 |
| Alloy 625                 | 2.4856       | N06625 |
| Alloy 718                 | 2.4668       | N07718 |
| Alloy X-750               | 2.4669       | N07750 |
| Alloy 825                 | 2.4858       | N08825 |
| Alloy 36                  | 1.3912       | K93600 |
| Alloy 42                  | 1.3917       | K94100 |
| Alloy 75                  | 2.4951       | N06075 |
| Alloy 80A                 | 2.4952       | N07080 |

| Materials <sup>1</sup>                 | Material-No.  | UNS      |
|--|---------------|----------|
| <b>Iron Base Alloys</b>                |               |          |
| Alloy 800H                             | 1.4876        | N08810   |
| Alloy 20                               | 2.4660        | N08020   |
| HAYNES® HR-120® alloy                  | 2.4854        | N08120   |
| HAYNES® 556® alloy                     | 1.4883        | R30556   |
| <b>Cobalt Base Alloys</b>              |               |          |
| ULTIMET® alloy                         | 2.4681        | R31233   |
| 6B alloy                               |               | R30016   |
| HAYNES® 25 alloy                       | 2.4964        | R30605   |
| <b>Reactive Metals</b>                 |               |          |
| Titan Grade 1                          | 3.7025        | R50250   |
| Titan Grade 2                          | 3.7035        | R50400   |
| Titan Grade 5                          | 3.7164/3.7165 | R56400/1 |
| Titan Grade 7                          | 3.7235        | R52400   |
| Titan Grade 12                         | 3.7105        | R53400   |
| Zirconium 702                          |               | R60702   |
| Tantalum                               |               | R05200   |
| Tungsten/ Molybdenum/ Niobium/ Hafnium |               |          |

Material available as Sheet/Plate, Tube/Pipe, Rod/Bar, Forging, Wire, Billet and Welding Consumables.

Machining by Waterjet, Laser, Sawing, Shearing and Grinding.

<sup>1</sup> Depending on the manufacturer, the trade designations of products may vary from those given here.

® is a registered trade name of our contracted manufacturer Haynes International, Inc., Kokomo, Indiana, USA.

**Zapp Materials Engineering GmbH**

HIGH PERFORMANCE ALLOYS

Zapp-Platz 1

40880 Ratingen

P.O. Box 10 18 62

40838 Ratingen, Germany

Phone +49 2102 710 -204

Fax +49 2102 710-391

[highperformancealloys@zapp.com](mailto:highperformancealloys@zapp.com)

SERVICE CENTER DEUTSCHLAND

**Zapp Materials Engineering GmbH**

HIGH PERFORMANCE ALLOYS

Letmather Straße 69, Halle 18

58239 Schwerte

[www.zapp.com](http://www.zapp.com)

For further information about our products and locations, please refer to our image brochure or consult our website at [www.zapp.com](http://www.zapp.com).

The illustrations, drawings, dimensional and weight data and other information included in these data sheets are intended only for the purposes of describing our products and represent non-binding average values. They do not constitute quality data, nor can they be used as the basis for any guarantee of quality or durability. The applications presented serve only as illustrations and can be construed neither as quality data nor as a guarantee in relation to the suitability of the material. This cannot substitute for comprehensive consultation on the selection of our products and on their use in a specific application. The brochure is not subject to change control.

Last revision: July 2020