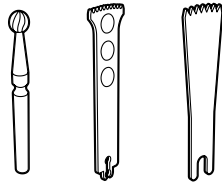


Zapp is Certified According to ISO 9001/TS 16949



### Data Sheet Surgical Instruments

Zapp Precision Metals GmbH supplies metallic semi-finished products (wires, bars, profiles, strips/sheets and tubes), not only for the production of implants but also for instruments. Today instrument steels are increasingly subject to special approval.

In many application fields highest purity grades are requested. To meet this demand Zapp includes respective optimized grades in their product portfolio.

#### Typical Grades

Grades	Grades
1.4021	1.4034
1.4104	1.4035
1.4301	1.4037
1.4303	1.4197
1.4305	1.4057
1.4306	1.4104
1.4307	1.4112
1.4310	1.4122
1.4401	1.4123
1.4404	1.4125
1.4435	9.9440
1.4456	1.4108
1.4541	1.4542
1.4571	1.4568
1.4028	1.4543
1.4031	Titanium grades

### Product Examples

- Chamfering instruments
- Clamping instruments
- Cutting instruments
- Suture instruments

### Advantages of Zapp Materials

- Restricted analyses within the respective ASTM and ISO standards for the greatest possible product consistency
- Optimized production methods with extremely narrow tolerances and minimal straightness deviations
- Optimal roundness of bar material
- All round measurements are crack tested

US testing is also available for a defined dimensional range.

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Further information regarding our products and locations are available in our image brochure and under [www.zapp.com](http://www.zapp.com)

The illustrations, drawings, dimensional and weight data and other information included in this data sheet 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.

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