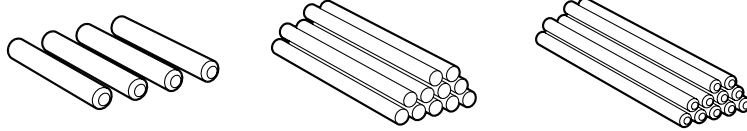


Ultrasonically Tested Steel Bars Datasheet

Medical Alloys



Zapp is Certified to ISO 9001



Material Grades

- ferritic
- austenitic
- titanium
- martensitic upon request

Size Range

- diameter 6.0 mm to 25.0 mm

Technical Data

- high verification
- high cross section overlap
- extra high longitudinal overlap
- untested ends are removed in line
- integrated eddy current testing (up to 0,1 mm defect depth)
- integrated positive material identification
- bars can be marked in line
- marking of surface without damage of surface or mechanical properties
- detectable defects circular disc-shaped reflector 0,7 or better (upon request)
- automatic collection, documentation and analysis of all test data
- samples: certified producer of samples, control reports of man-made defects are available resp. are issued for every material and request

Standards:

Standard	Description
DIN EN 10308	Ultrasonic Testing of Steel Bars (March 2002)
AMS-STD-2154	Aerospace Material Specification: Process for Inspection, Ultrasonic, Wrought Metals, (September 2005)
AMS 2630 B	Aerospace Material Specification: Inspection, Ultrasonic, Product over 0.5 inch (12,7 mm) thick (March 1995)
AMS 2632A	Aerospace Material Specification: Inspection, Ultrasonic, of thin Materials, 0.5 inch (12,7 mm) and under in Cross-Sectional Thickness (March 1995)
AMS 2631B	Aerospace Material Specification: Ultrasonic Inspection, Titanium an Titanium Alloy Bar and Billet (March 1995)
ASTM E 2375-08	Standard Practice for Ultrasonic Testing of wrought Metals
ASTM E 428-05a	Standard Practice for Fabrication and Control of Metal, other than Aluminium Reference, Blocks used in Ultrasonic Examination
ÖNORM M 3002	Ultrasonic Testing of forged and rolled products made of steel and other metallic alloys with higher requirements – performance, inspection coverage, quality level
Qualification of personnel	acc. to ASNT SNT-TC-1A: Recommended Practice, Personnel Qualification and Certification in Nondestructive Testing

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