

Ultrasonic inspection

Simply better.

Ultrasonic inspection at BESSEY is performed as an automatic continuous process, using phased-array technology. This describes grid-pattern examination for sq./oct. and for hex. sections as well as a 100 % volumetric inspection of the core area, either with or without inspection of the edge zone. Such testing is suited to all the types of steel we offer, from unalloyed structural steel to highly-alloyed stainless and acid-resistant grades.

Testable area	Test type	Max. registration limit*
Ø 10 - 44 mm	100 % volumetric inspection uninspected edge zone of 2-3 mm	FBH 0.7 mm
Ø 10 - 36 mm	100 % full volumetric inspection with inspected edge zone	FBH 0.7 mm
hexagonal 10 - 30 mm	Grid-pattern examination uninspected edge zone of 2-3 mm	FBH 1.0 mm
octagonal 10 - 30 mm	Grid-pattern examination uninspected edge zone of 2-3 mm	FBH 1.5 mm
square 10 - 22 mm	Grid-pattern examination uninspected edge zone of 2-3 mm	FBH 2.0 mm

- FBH-values are dependent upon the steelgrade
 - Uninspected bar ends (50 mm on both sides)
 - Inspection for min. defect length of 10 mm possible

Other dimensions of FBH-values are available on request

* FBH = produced by means of a Flat Bottom Hole



BESSEY Präzisionsstahl GmbH
 Mühlwiesenstr. 40
 74301 Bietigheim-Bissingen, Germany
 Fon: +49 7142 401-555
 Fax: +49 7142 401-453 / 454
 info@bessey.de
 www.bessey.de