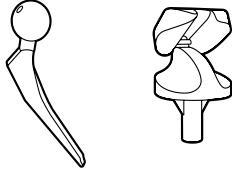


Ergiloy® 9.9135HL for Endoprosthesis Application Medical Alloys



Zapp is Certified to ISO 9001



Alloy Ergiloy® 9.9135HL – Cobalt-Chromium-Molybdenum-Alloy for Surgical Application

Ergiloy recently adopted a new alloy to the product programme which is especially designed to endoprosthesis applications. ERGILOY® 9.9135HL is manufactured according to the requirements of the respective standards for surgical implant application. Material is remelted (ESR).

Grade

UNS R31537

Physical Properties

Specific density	8.30 g/cm ³
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Mechanical Properties

	UTS [MPa]	YS [MPa]	A _{4-D} [%]
d ≤ 35 mm	min. 1172	min. 827	min. 12
d > 35 mm	min. 1000	min. 700	min. 12

Chemical Composition (Mass-Percent)

Description	C	Cr	Fe	Mn	Mo	N	Ni	Si	Co
ERGILOY® 9.9135HL	min.	26.0			5.0				bal.
	max.	0.149	30.0	0.75	1.0	7.0	0.25	1.0	1.0

Corresponding Standards

- ASTM F1537 Alloy 1 (Low carbon)
- ASTM F799 (Forgings)
- ISO 5832-12

UT Tested

acc. to AMS 2154 class A

Available Products

Bars 8 – 70 mm, peeled, tolerance h9 – h11,
3,000 – 3,500 mm length

Stock Material

Available in sizes: 8 – 70 mm

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Further information regarding our products and locations are available in our image brochure and under 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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