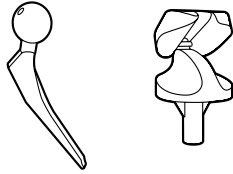


ZAPP MEDICAL ALLOYS ERGILOY® 9.9135HL FOR ENDOPROSTHESIS APPLICATION



CERTIFIED TO ISO 9001



ALLOY ERGILOY® 9.9135HL – COBALT-CHROMIUM-MOLYBDENUM-ALLOY FOR SURGICAL APPLICATION

Ergste 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 – 60 mm, peeled, tolerance h9 – h11,
3000 – 3500 mm length

STOCK MATERIAL

Available in sizes: 8 – 60 mm

ZAPP MEDICAL ALLOYS

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Further information regarding our products and locations are available in our image brochure and under www.zapp.com

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Last revision: December 2009