Information Sheet Fixed Lengths For CAD/CAM Systems Medical Alloys



Zapp is certified to ISO 9001



Fixed lengths for CAD/CAM systems at zapp available

We lately integrated bars and fixed lengths for CAD/CAM systems into our product portfolio.

They are available in pure titanium and in several titanium based and cobalt based alloys.

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Materials	Guideline/ Standard	Diameter
CoCrMo*	following DIN EN ISO 22674:2006	from 4 mm
CoCrW*	following DIN EN ISO 22674:2006	from 12 mm
Grade 4	acc. to ASTM F67	from 4 mm
Grade 5 ELI (Grade 23)	acc. to ASTM F136	from 4 mm
Ti6Al7Nb	acc. to ASTM F1295	from 4 mm

^{*} nickel free

Lengths

o from 150 mm

Finish

- chamfered
- pointed

Application

- crowns and little bridges
- single abutments







Chemical composition Ergiloy® 9.9229 HW/ CoCrW*

(Reference Values)

Co	Cr	W	Si	Fe	Mn	С	Ni
60.00	29.00	9.00	1.45	0.15	0.25	0.01	< 0.10

^{*} Average in mass -%

Mechanical properties

Tensile Strength	[MPa]	> 1100
Yield Strength	[MPa]	> 550
Elongation	[%]	min. 25
Hardness HV10		approx. > 300

Physical properties	
Modulus of Elasticity E at 20 °C [GPa]	245
Specific Density [kg/dm³]	8.3
CTE Middle lin. Coefficient of Thermal Expansion [10 ⁻⁶ *K ⁻¹] 25 - 500 °C	14.2
Liquidus temperature [°C]	approx. 1420
Veneering temperature [°C]	max. 1040

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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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