



5832-4 / CoCrMo

Implant alloy with highest requirements at corrosion resistance, biocompatibility and fatigue strength.

Gehe zu



Main fields of application of alloy CoCrMo

Joint replacement for hip knee, shoulder etc. marrow-nails and dental application. This material can also be used for watch cases as it has an outstanding polishing ability and corrosion resistance.

Chemical composition of alloy CoCrMo

C	Si	Mn	Cr	
%	≤ %	≤ %	≤ %	
0.35	1.0	1.0	26.0-30.0	
Mo	Ni	Co	Fe	N
%	%	≤ %	≤ %	%
5.0-7.0	1.0	rest	0.75	0.25

Characteristics of alloy CoCrMo

annealed	specification values
tensile strength Rm	≥ 750 MPa (ISO 5832-12) ³ 897 MPa (ASTM F-1537)
elongation A	≥ 16%
hot worked	specification values
tensile strength Rm	≥ 1000 MPa (ISO 5832-12) + (ASTM F-1537)
elongation A	≥ 12%
cold worked	specification values
tensile strength Rm	1172 MPa (ISO 5832-12) + (ASTM F-1537)
elongation A	≥ 12%

Delivery program

mm	stock
25	●
29	●
33	●
40	●
45	●
50	●

Further bars and profiles in different executions available upon request.

Services provided by our internal service center for CoCrMo

We can provide various services directly in our service center. You save time, cost (internal or external) and don't need to find solutions for scrap management or handling of heavy plates and long bars.

Services suitable for

Round bars

Sawing of bars

Bar marking

Turning machine

Material Outlet by Hempel

ECONOXX.com offers buyers a new and uncomplicated procurement channel, which also includes small quantities and materials in special alloys at favourable conditions.

Contact us



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Services



Waterjet cutting



Laser cutting



Plasma cutting



Shear cutting

Weight Calculator