

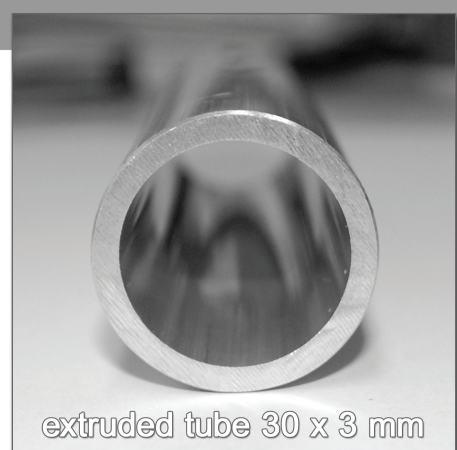


Zoz  
GmbH

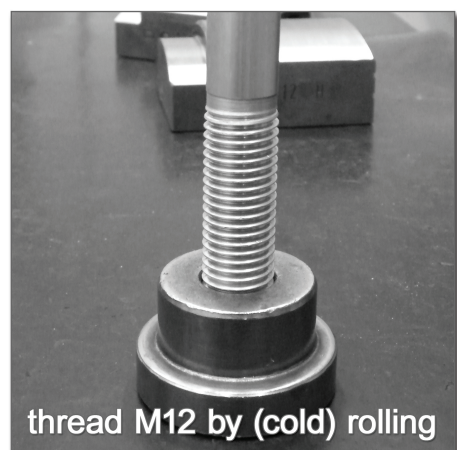
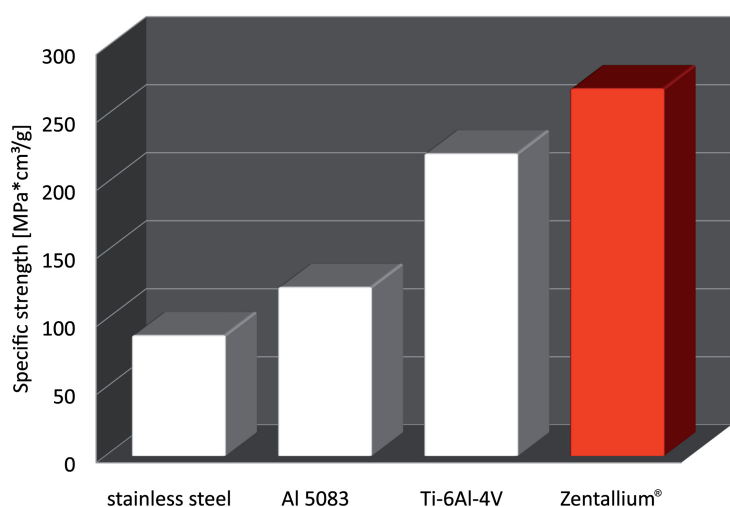
# Zentallium®

lighter than Aluminium and as strong as Steel

High-performance Semi-finished Products & Parts by mechanically alloyed Al-base materials with sustained grain size reduction and reinforcement by Carbon Nanotubes (CNTs) for industrial application.



extruded tube 30 x 3 mm

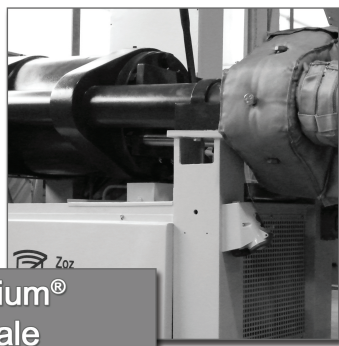


thread M12 by (cold) rolling



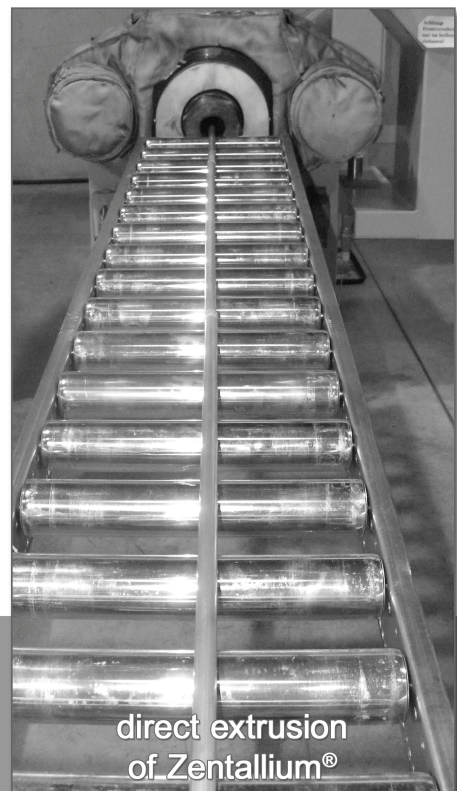
extruded rods D15mm

- | Outstanding mechanical properties at light weight highly cost effective
- | High working temperature already proofed up to 240°C
- | Increased thermal and electrical conductivity
- | Plastic deformation available
- | Good corrosion resistance



semi-finished Zentallium® products in pilot scale

Geometry	Achievable length	
●	Ø10mm	4,7m
●	Ø15mm	2m
●	Ø20mm	1,2m
○	Ø30x3mm	1,4m
■	20x5mm	3,7m



direct extrusion of Zentallium®

Zentallium® is a Zoz-trademark and represents nanostructured and reinforced Al-base material

www.zoz.de