

# Zentallium<sup>®</sup>

## Mainshaft & Spindleshaft for RC-Model Helicopter

### description

These are light weight Mainshaft and Spindleshaft for Radio Controlled Model Helicopter produced of mechanically alloyed Al-based materials with sustainable grain-size reduction and strengthening utilizing Carbon Nanotubes (CNTs).



*Left, 10mm RC-Helicopter Mainshaft  
Right, 8mm RC-Helicopter Spindleshaft*

### why & what

To fly a model helicopter or similar aircraft as long as possible, they must be built as light as possible. Subsequently developed the Zoz GmbH a 60% lighter Zentallium<sup>®</sup> main rotor shaft and spindle they are the same hardened shaft of stresses of a original steel shaft.



*Installed on a helicopter*

### technical data, dimensions & cost

For Mikado Logo 600 *	Mainrotor shaft	Spindle shaft
length	195mm	110mm
diameter	10mm	8mm
bore hole	5mm	5mm
weight steel HRC52	78,93g	37,40g
weight Zentallium <sup>®</sup>	31,36g	12,36g
<b>weight reduction</b>	<b>-60,27%</b>	<b>-66,95%</b>
Price	on request	on request

\*for other helicopter on inquiry

