

# WEBANCOR.com

**WEB AND CORE TECHNOLOGIES INC.**

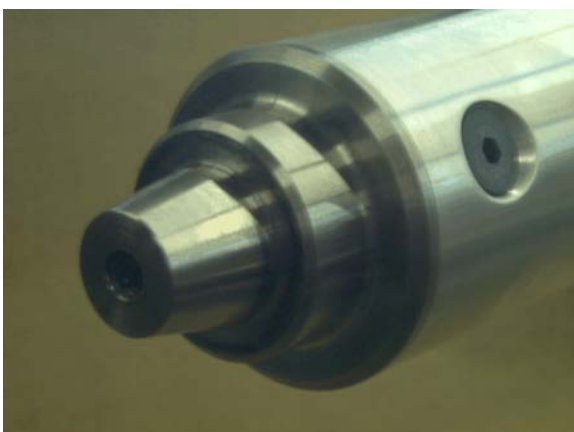
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**WEBANCOR is a registered trade mark**

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Hardened cone journals shown



Hardened tapered square drive journal.

These are just some of the available journals. **WEBANCOR** can supply CNC machined journals to almost any configuration required. We use only 414HT or 4340HT high strength steel for journals, and harden them further by induction or flame hardening when required.

Air shaft Bodies available in Steel, Aluminum, or Carbon Fibre, depending on the requirements.

Steel for strength, economy, and long life,

Aluminum for light weight and economy.

Carbon Fibre for lightness and strength where economy is not a factor.

When Carbon Fibre is being considered, check with the factory to see if your application is suitable for this material.

**WEBANCOR** requires that Carbon Fibre shafts be returned to the factory at least once per year and definitely after any possible damage to the body. Carbon fibre shafts cannot be dropped and thrown around like the more durable steel and aluminum shafts, they are susceptible to "catastrophic failure" which means failure without warning. Remember, carbon Fibre composite shafts are fibres of carbon encased in plastic, they are light, stiff, but not as durable as steel and aluminum. Sometimes carbon fibre shafts are sheathed with another material to protect the carbon fibre. This material can be steel, or aluminum, however since carbon does not expand and contract with changes in temperature, whereas aluminum will, this tends to shear the bond between the two materials leaving the shaft with less strength and no protection. Kevlar is a good choice for sheathing, however it is not recommended when core chuck adaptors are used on the shaft.

**Web & Core Technologies Inc.**

Manufacturers of Air shafts Chucks and Bowed Rolls  
Manufactured in Canada and shipped around the World.