



Schunk Carbon Technology

Tribon®

The new Dimension of  
Carbon Graphite Materials

# Tribon® – The New Dimension of Carbon Graphite Materials

*Tribon®* is the trademark for a new family of material created by Schunk, which can withstand even the most difficult applications. In many tribological applications standard carbon graphite materials are often stretched to their limits.

The demands are many and diverse and go well beyond today's limits of tribological demands in semi-dry or even dry conditions. Excellent physical properties combined with a universally chemical and high temperature resistance are required. Furthermore, the material should be dense and free of metal – a real one-for-all.

*Tribon®* has excellent tribological properties, the highest strength and Young's moduli as well as the best possible thermal conductivity. This is the basis for a successful use in applications such as seal rings, bearings, vanes, pistons and other components under the highest tribological loads and critical conditions.

*Tribon®* is free of metal and is thus characterised as highly chemical and temperature resistant. Tribon® stands for up-to-date carbon graphite technology, designed for use in tribological applications. *Tribon®* stands for ecology and economy, for a metal free group of material and for universal use in practically every application.

The family consists of variations of materials, with properties designed directly for the specific application.

Please do not hesitate to contact us to get our advice for your specific application.

For further information please refer to our website [schunk-carbontechnology.com](http://schunk-carbontechnology.com)

## The Highlights of the Tribon Family

Properties	Type	FT30HT	FT35HT	FT10HT	FT15HT	FT17	FT23	FT33	FT37	FT20	FT21	FT40
Chemical resistance				High						High	High	High
Critical friction conditions								High	High	High	High	High
Young's modulus						High	High	High	High	High	High	High
Impermeability						High	High	High	High	High	High	High
Thermal conductivity				High	High	High	High	High	High	High	High	High
Oxidation resistance		High	High	High	High	High	High	High	High	High	High	High

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