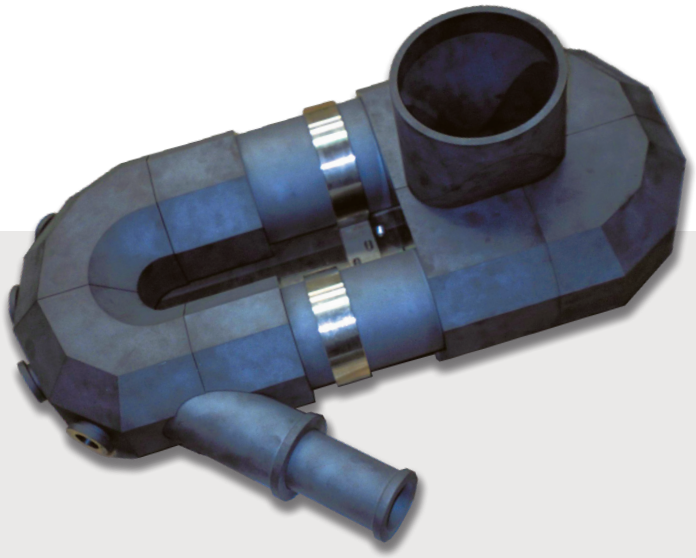
Lining and pipes

CARBUDES 2300®



SINTERED SILICON CARBIDE

Key properties include hardness up to 2300 Vickers, resistance to chemical attack and high resistance to frictional wear.

The new generation of ceramics, sintered silicon carbide is the optimal choice for excellence.

TECHNICAL DATA

HARDNESS average	Density g/cm^3	Thermal Conductivity	Thermal expansion	Working temperature
2300 Vickers	3.15	115 W/m.K (20 a 600°C)	4.2x10^{-6}K^{-1} (20 a 600°C)	1400°C maximum

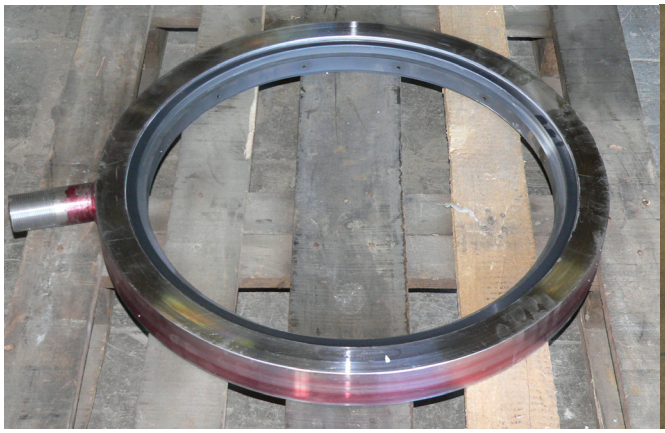
FORMS OF SUPPLY

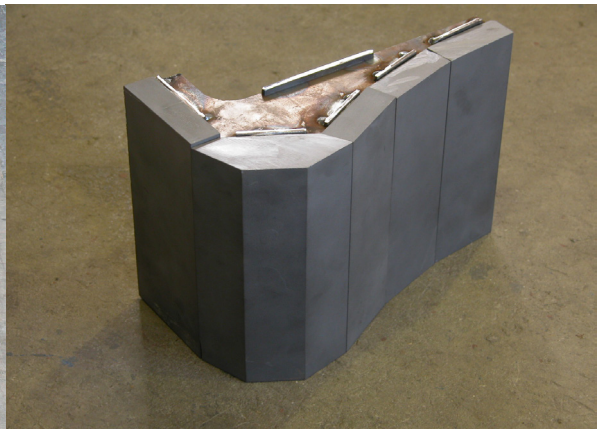
Custom-made parts, pipes, impellers, ducts, mechanical seals, diffusers, hydrocyclones, etc.

CHEMICAL RESISTANCE

Hydrochloric Acid HCl (conc.36%)		Zinc chloride ZCl (conc.60%)		Nitric Acid HNO_3 (conc.65%)		Ammonium Nitrate HCl (conc.50%)		Sulphuric Acid H_2SO_4 (conc.50%)		Sulphuric Acid H_2SO_4 (conc.98%)		Phosphoric Acid H_3PO_4 (conc.85%)		Hydrofluoric Acid HF (conc.40%)		Sodium hydroxide NaOH (conc.30%)		Potassium hydroxide KOH (conc.20%)		Sodium chloride NaCl (cold saturated solution)		Potassium Chloride KCl (cold saturated solution)	
CARBUDES		CARBUDES		CARBUDES		CARBUDES		CARBUDES		CARBUDES		CARBUDES		CARBUDES		CARBUDES		CARBUDES		CARBUDES		CARBUDES	
20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C
+	+	+	+	+	+	+	+	+	+	+	+	+	+	(+)	+	+	+	(+)	+	+	+	+	+

+ *No corrosion* (+) *Possible corrosion* o *Corrosion appears*



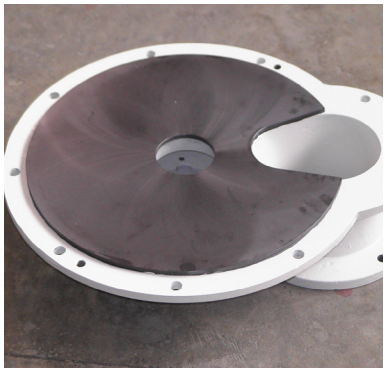
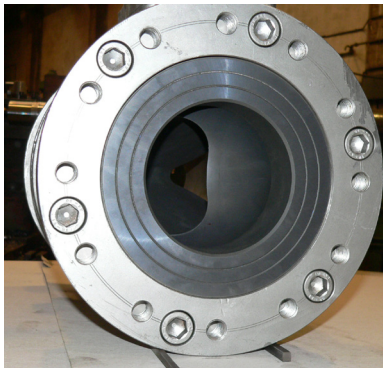


TECNODESGAST®
Anti-wear technology

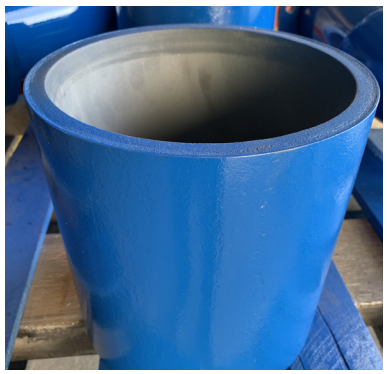
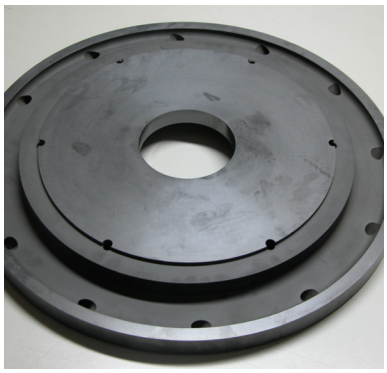
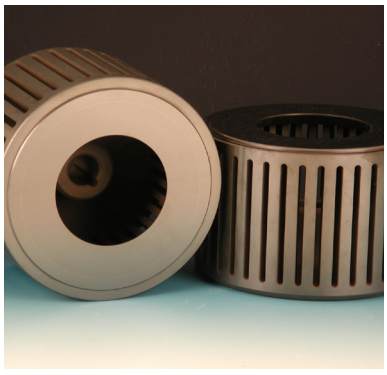
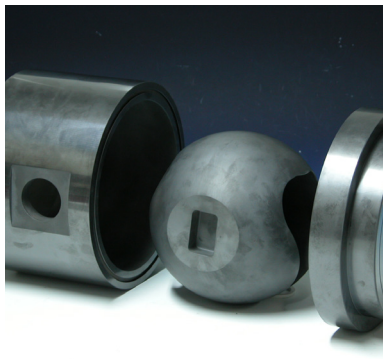
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CARBUDES 2300®

Lining and pipe





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