

» CARBIDE AND COATINGS

BLASTING AND SURFACE TECHNOLOGY

Wear-resistant. Permanently strong.

DURIT





» CARBIDE TECHNOLOGY

Parts, tools and components made of cemented carbide are **the ultimate in wear resistance and longevity** and **ensure utmost versatility**. DURIT carbide solutions stand up to the toughest demands.

» DEDICATED TO CARBIDE

Carbide from a single source—from blanks to high-precision final products. DURIT produces **customized parts** and realizes **individual shapes** as well as **complex geometries**.

» WE OFFER FULL-SERVICE CARBIDE

HARDFACTS

- » **DURIT HARTMETALL**
- » **SINCE 1982**
Successful and solution-oriented
- » **OVER 500 EMPLOYEES**
Worldwide
- » **MORE THAN 60 CARBIDE GRADES**
For wear protection and metal forming
- » **100 % COATING EXPERTISE**
HVOF, APS, EAWS,
Laser Cladding, PVD and CVD

» WEAR PROTECTION FOR BLASTING AND SURFACE TECHNOLOGY

Surface finishing, surface cleaning and more: Abrasive media place very special demands on the properties of tools and components—cemented carbide can withstand. DURIT offers **individualized solutions** creating noticeable added value.

» WE SOLVE WEAR PROBLEMS

Distributors, blades, accelerators: DURIT products represent **maximum quality** and provide decisive **competitive advantages**. Our customers tell us their requirements for their components or tools—our experts find the appropriate solution.

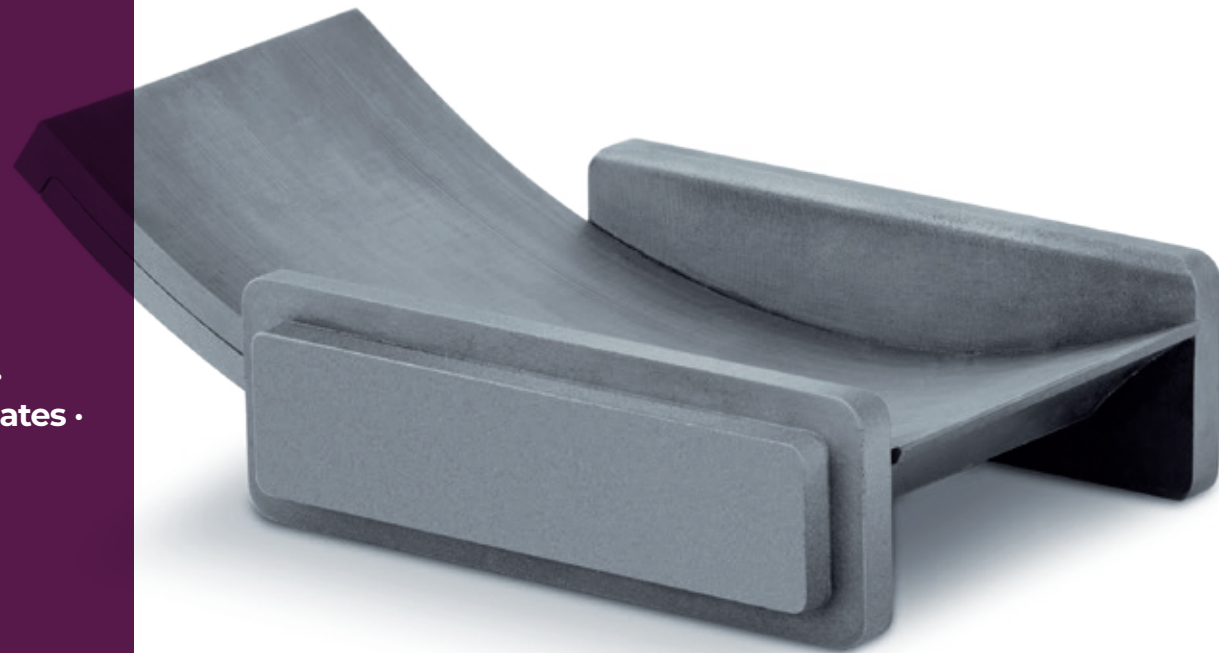
» WITHSTANDS MOST EXTREME DEMANDS

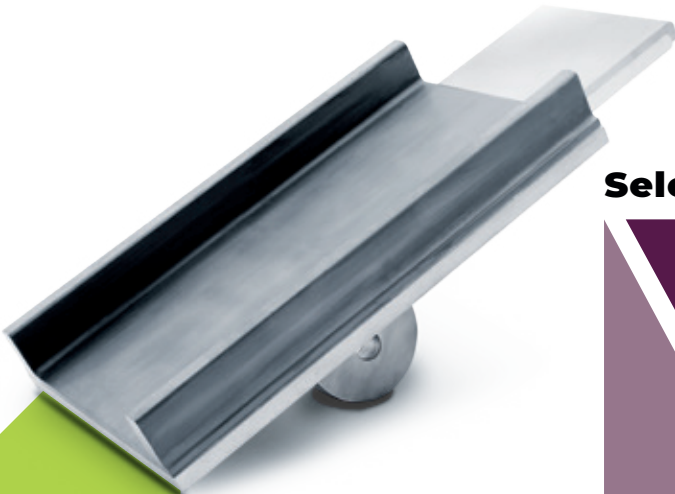
Products ::

nozzles · throw blades · accelerators ·
separators · impact protection · wear plates ·
lining · supplying parts

Typical applications ::

surface finishing and cleaning





Selection of application-specific carbide grades ::

GRADE	Composition	Binder (%)	Grain size	Hardness (HV30)	Fracture toughness (MPa·m^{1/2})
GD03F	WC-Co	5,75	submicron	1850	9
GD08F	WC-Co	8,00	submicron	1625	10
GD13F	WC-Co	10,00	submicron	1540	12
GD05	WC-Co	5,50	fine	1700	10
GD10	WC-Co	6,00	medium	1600	10
GD15	WC-Co	8,00	medium	1460	12
GD20	WC-Co	10,00	medium	1350	15



» DURIT QUALITY REPRESENTS BEST RESULTS

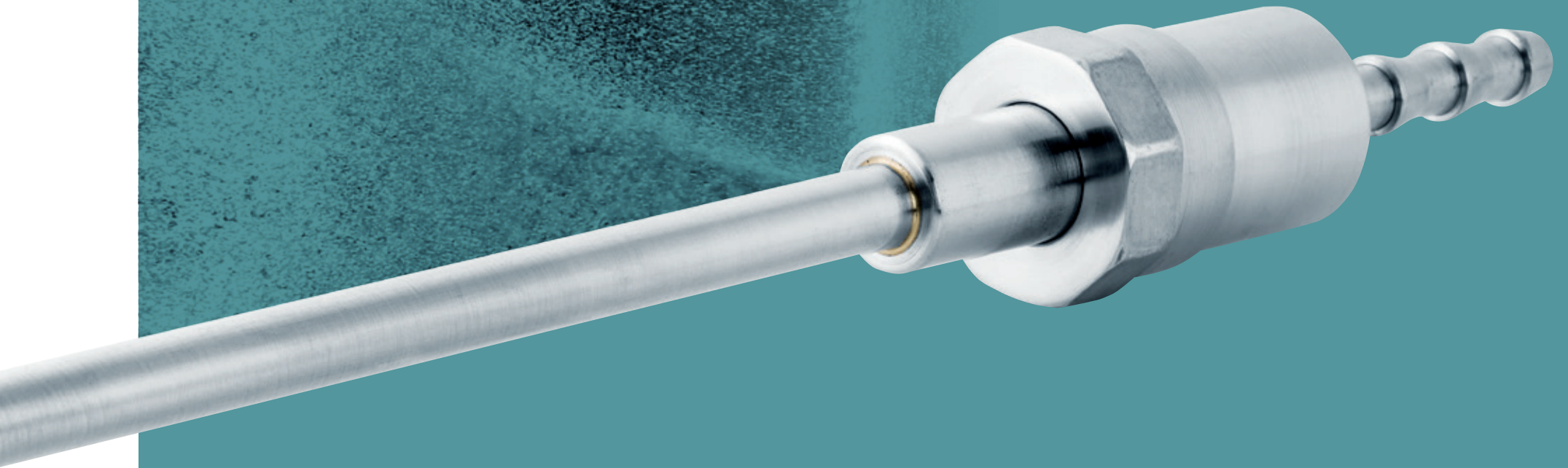
As one of few **complete suppliers in the market**, DURIT offers an all-encompassing concept from consultation, development and design, all the way to production of highly accurate components.

» CARBIDE FROM A SINGLE SOURCE

Our products are designed with a focus on **dimensional accuracy, continuity** and **value enhancement**. Therefore, all our production sites are equipped with state-of-the-art technology. In particular, we attach great importance to our **process-oriented quality management**.

» QUALITY AND ADDED VALUE THROUGH CERTIFIED PROCESSES





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takes you to EXTREMES

