

HIGH PERFORMANCE TOOLS THAT MAKE THE CUT



SERIES FOR TOOL GRINDING

- ▶ EXCELLENT PRECISION AT THE HIGHEST FEED RATES
- ▶ INCREASED PRODUCTIVITY WHILE LOWERING PROCESS COSTS
- ▶ SUPERIOR WHEEL LIFE AND LONG DRESSING INTERVAL
- ▶ WITHSTANDS CUTTING FORCES FROM HIGH-SPEED,
HIGH-TEMPERATURE APPLICATIONS



SUPERABRASIVE DIAMOND & CBN GRINDING WHEELS FOR THE CUTTING TOOL INDUSTRY

WE'RE SETTING THE NEW STANDARD



A Winning Combination of Durability, Finish and Performance

The GL™ Series for Tool & Cutter Grinding offers the latest Advanced Bond technology that allows you to grind quicker without losing your wheel edge. Flute from solid, regrind, gash and end work, and relief. The GL™ wheel provides all the benefits that a cutting tool manufacturer is looking for. The GL bond is not your standard “one size fits all.” This bond can be tailored to your specific grinding application allowing the customer to provide the highest quality tool in the most efficient amount of time.

GL™ KEY ADVANTAGES

These unique properties improve the performance of the CNC Tool and Cutter Grinder in many ways:

- ▶ Free cutting action with superior form retention and surface finish
- ▶ Self sharpening bond lengthens wheel life and dressing interval
- ▶ High material removal rate with high temperature stability
- ▶ Maximum heat dissipation with low and constant power consumption
- ▶ Optimal wheel profile stability lowers costs due to wear



Who is CDT?

CDT is a family owned company with main office and manufacturing located in New Haven, Indiana. CDT's reputation as a leading-edge manufacturer of Diamond and CBN wheels is the result of a disciplined commitment to excellence that has led the company since 1973.

Quality

Our engineers are specialists in their field and take pride in maintaining the highest quality standards. We produce all of our Tool and Cutter grinding wheels in-house under a stringent quality control system. We manufacture our wheels using CNC machines and automatic presses to maintain a consistent product of the highest quality.

Custom Manufacturing

We custom manufacture products tailored to our customers' specific needs. We boast a full machine shop with skilled technicians and an extensive inventory of raw material. This enables us to supply an unlimited assortment of superabrasive products in a timely manner with guaranteed satisfaction.

Precision Products

Our industry expertise gives our superabrasive wheels and tools their unique precision. Our state-of-the-art equipment and highly skilled experts are supported by decades of experience. The result is a finished product unmatched in quality and consistency.

Personalized Tech Support

From prototype to production, replacement tooling, or improving your existing operations, our cutting-edge customer service and tech staff can help you overcome the obstacles to increasing productivity and success. Our sales and manufacturing work closely together to ensure a satisfied customer experience.

Competitive Pricing and Lead Times

We've maintained our reputation by meeting our customers' needs time and again with the highest quality superabrasive products at competitive prices. Time is money, which is why we stock an extensive inventory of raw materials to deliver your order faster than others in the industry.

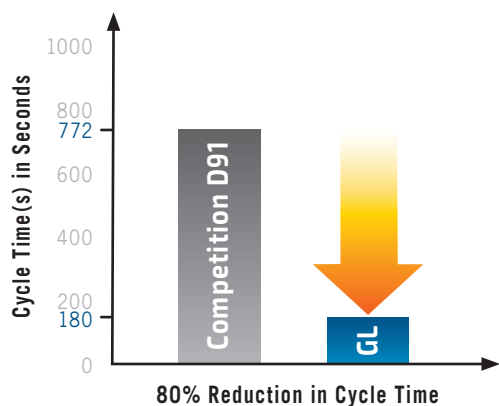




FLUTE GRIND

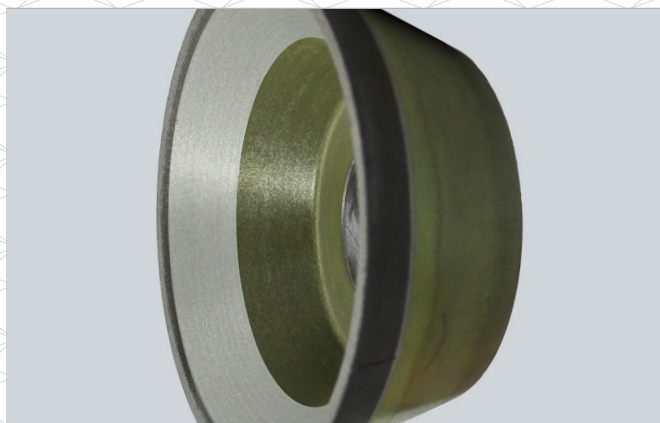
Workpiece	Ø3/4", 3 flute endmill, 40° helix
Machine	Anca MX7
Coolant	Oil
Wheel	CDT GL FLUTING WHEEL 1B1R 5 x 1/2 x 1-1/4 D320-HE-28-MK 3/8 PC V=15
Results	Fluting was originally done in 2 passes. The CDT GL Bond achieved a single pass at double the feed rate with no damage to the workpiece while achieving a 25% increase in finish.

Competitive Comparison



FLUTING CYCLE REDUCED 80%

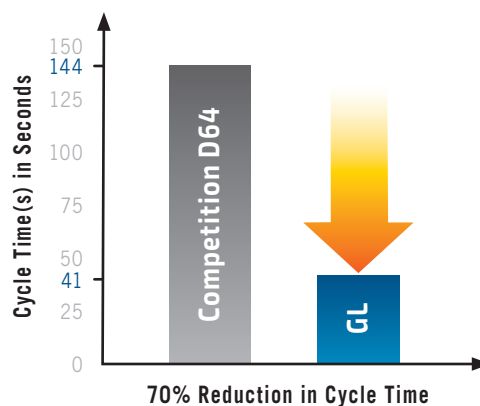
*VS. COMPETITION'S D91 HYBRID WHEEL



PRIMARY & SECONDARY GRIND

Workpiece	Ø1/2", 3 flute endmill, 40° helix
Machine	Anca MX7
Coolant	Oil
Wheel	CDT GL 11V9 WHEEL 11V9 3-3/4 x 1-1/2 x 1-1/4 D320-QE-28-MK 1/8 PA
Results	The GL Bond increased the Primary & Secondary operations by 4 times while continuing to produce a better finish.

Competitive Comparison



CYCLE TIMES REDUCED 70%

*VS. COMPETITION'S D64 HYBRID WHEEL



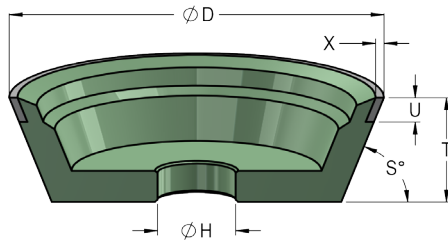


CONTINENTAL DIAMOND TOOL
CORPORATION

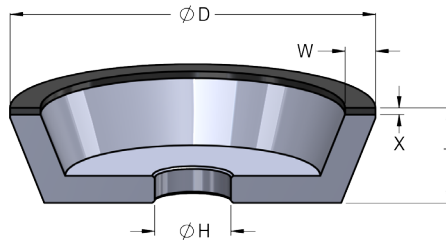
CUSTOM MADE IN THE USA, READY TO SHIP IN JUST 12-15 WORKING DAYS

SUPERABRASIVE DIAMOND & CBN GRINDING WHEELS FOR EVERY APPLICATION

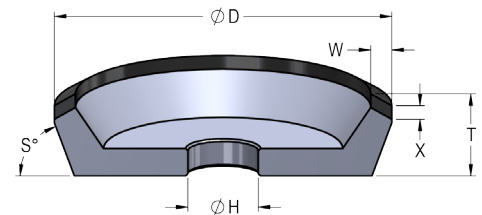
PRIMARY & SECONDARY RELIEF



SHAPE 11V9
D x T x H U-X

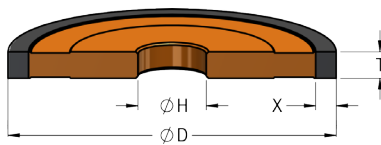


SHAPE 11A2
D x T x H W-X

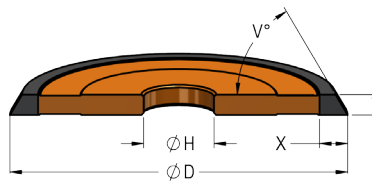


SHAPE 11V5
D x T x H W-X-V

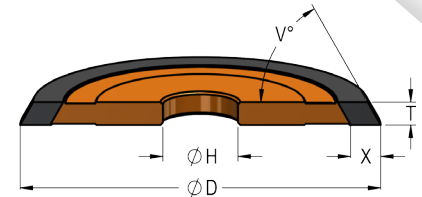
FLUTING



SHAPE 1A1R
D x T x H X

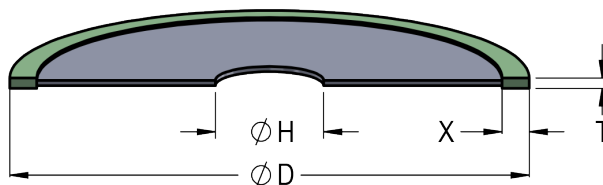


SHAPE 1B1R
D x T x H V



SHAPE 1V1R
D x T x H V

CUTOFF



SHAPE 1A1R
D x T x H X

ADDITIONAL WHEEL SHAPES
AVAILABLE. CONTACT CDT
CUSTOMER SERVICE FOR YOUR
CUSTOM WHEEL REQUEST.

AT CDT, EVERY ORDER IS CUSTOM MADE TO YOUR SPECIFICATIONS. CONTACT US FOR A FREE QUOTE.

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