

»»Blue for You««

Your Way to High Performance

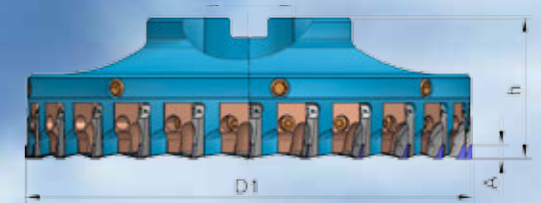


PCD Cartridge Milling Cutter »»dia-blue-power««

LACH DIAMANT



PCD Cartridge Milling Cutter »dia-blue-power« sets New Standards for high-performance machining of non-ferrous metals



- Maximum depth of cut (a_p) up to 5 mm
- Feed (v_f) up to 30,000 mm/min
- Cutting speed (v_c) up to 6,000 m/min
- Cycle time reduction up to 60 % compared to conventional face-milling cutters
- Improved quality of component (prevention of break-outs and burr formation) due to positive chip and shear angles
- Lower spindle load due to aluminium body
- Optional »chip breaker-plus«** changeable clamping inserts with active chip breaker help to avoid inconvenient chips in cavities and prohibit damage by chips
- Service-focused - easy handling
- precise μm settings - economic re-grinding concept

Standard version for R_z up to 15 μm with PCD cartridges D-CR10x24-A6/P*

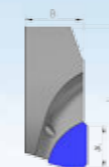
Description	D1	h	A	D2	Z	Art. No.
D-CFM 90-125-06-Z14/P	125	63	6	32	14	42402800
D-CFM 90-160-06-Z20/P	160	63	6	40	20	42402801
D-CFM 90-200-06-Z24/P	200	63	6	40	24	42402802
D-CFM 90-220-06-Z28/P	220	63	6	40	28	42402803
D-CFM 90-240-06-Z30/P	240	63	6	40	30	42402804
D-CFM 90-260-06-Z32/P	260	63	6	40	32	42402805
D-CFM 90-280-06-Z36/P	280	63	6	40	36	42402806
D-CFM 90-300-06-Z40/P	300	83	6	40	40	42402807
D-CFM 90-315-06-Z42/P	315	83	6	40	42	42402808
D-CFM 90-350-06-Z42/P	350	83	6	40	42	42402809
D-CFM 90-375-06-Z48/P	375	83	6	40	48	42402810
D-CFM 90-400-06-Z50/P	400	83	6	40	50	42402811

Finishing version for R_z up to 8 μm with PCD cartridges D-CR10x24-A6/F*

Description	D1	h	A	D2	Z	Art. No.
D-CFM 90-125-06-Z14/F	125	63	6	32	14	42402820
D-CFM 90-160-06-Z20/F	160	63	6	40	18	42402821
D-CFM 90-200-06-Z24/F	200	63	6	40	24	42402822
D-CFM 90-220-06-Z28/F	220	63	6	40	28	42402823
D-CFM 90-240-06-Z30/F	240	63	6	40	30	42402824
D-CFM 90-260-06-Z32/F	260	63	6	40	32	42402825
D-CFM 90-280-06-Z36/F	280	63	6	40	36	42402826
D-CFM 90-300-06-Z40/F	300	83	6	40	40	42402827
D-CFM 90-315-06-Z42/F	315	83	6	40	42	42402828
D-CFM 90-350-06-Z42/F	350	83	6	40	42	42402829
D-CFM 90-375-06-Z48/F	375	83	6	40	48	42402830
D-CFM 90-400-06-Z50/F	400	83	6	40	50	42402831

Do you prefer surface qualities of $R_z < 5 \mu\text{m}$?
We recommend to use cartridges for fine finishing***
D-CR 10x24-A6/FF.

We would be pleased to advise you.



PCD Cartridge Size 2*	B	L	A	Art. No.
D-CR 10x24-A6/P = Standard Cartridge	10	24	6	42404731
D-CR 10x24-A6/F = Finishing Cartridge	10	24	6	42404733
D-CR 10x24-A6/FF = Fine Finishing Cartridge***	10	24	6	42404735
Clamping Inserts** »chip breaker-plus« fit into all PCD cartridge milling cutters				42404834

LACH DIAMANT »dia-blue-power« with ϕ 125-400 mm is the perfect addition for high performance milling cutters HPC/HSC.

»dia-blue-power« combines the advantages of monoblock tools and conventional insert milling cutters, featuring top efficiency, stability and flexibility.

LACH DIAMANT®

Your Innovative Partner

Reliable, Customer-oriented, and Ready to Provide Customized Solutions



Head Office and Plant in Hanau near Frankfurt, Germany



Plant in Lichtenau near Chemnitz, Germany

Built in 1997 – expanded in 2007 and 2012 - Plant for polycrystalline diamond and CBN tools (PCD and PCBn)



LACH DIAMANT Innovations

Example:
»chipbreaker« type IC-plus (worldwide patents) – the premiere PCD chip-breaker due to its active chip-breaker – indispensable for cutting non-ferrous metals in serial production.



LACH DIAMANT Service

Resharpening and regrinding service for all PCD and CBN (PCBn) tools, MCD and CVD, and natural diamonds. Refiling of diamond and CBN grinding wheels, recoating of electro-plated diamond tools.



LACH DIAMOND INC., Grand Rapids/Michigan/USA

Production and service facility of polycrystalline diamond and CBN tools for the automobile and aviation industries and for the wood, plastic and composite industries.

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