

MATRIX

The **MATRIX**
LASTING
CUTTING PERFORMANCE



WEB-
VIDEO

online:
www.sharpgrinding.com

Noticeable advantage for the user:

- Constantly high performance through to complete wear
- High cutting speed through triangular structure
- Increase efficiency by saving time
- Minimise costs by reducing tool costs

THE MATRIX BY BRAINTOOLS® LASTING CUTTING PERFORMANCE.

„Users don't want to performance in just some areas of daily work but across the entire machining process. This means, for example, not sacrificing accuracy for cutting speeds or efficiency for powerful cutting. The goal is a constantly high performance level – the result: the Matrix.”

DETLEV SOMMERFELD, Rhodius-Application Engineer

LD100 MATRIX	 <p>mm: 10,0-12,0 BRAINTOOLS®</p>	Material: <ul style="list-style-type: none"> Natural stone Concrete products Reinforced concrete Concrete Washed-out concrete building materials Floor pavement 	Application examples: <ul style="list-style-type: none"> Road kerb Pumice stone Structural plaster Wall openings Cutting of floor slabs Window sills 	Product advantages: <ul style="list-style-type: none"> High cutting speed Very long lifetime High stock removal Short cutting times Good dispersion of dust Efficient Easy cutting Laser-welding Wet and dry cutting
DG100 MATRIX	 <p>mm: 10,0 BRAINTOOLS®</p>	Material: <ul style="list-style-type: none"> Natural stone Concrete products Reinforced concrete Concrete Washed-out concrete building materials Brick 	Application examples: <ul style="list-style-type: none"> Cutting of floor slabs Brick grooves Window sills Structural plaster External bricks roofing tiles 	Product advantages: <ul style="list-style-type: none"> High cutting speed Very long lifetime Short cutting times High stock removal Good dispersion of dust very clean cutting edges Efficient Easy cutting Wet and dry cutting

LD100 / DG100
MATRIX

LD100: ≤ 230 mm ≤ 300 mm

DG100:

Lifetime: 
Stock removal: 



The **patented, self-sharpening diamond-coating** is what makes the LD100 and DG100 MATRIX so special: **Premature splintering of individual diamonds is prevented** and each diamond grain is put to optimum use. The special arrangement of the diamonds ensures a uniform performance – this **prolongs the lifetime and increases the cutting power by up to 70 %**. The structured arrangement of the diamonds on both discs produces an **air duct for the optimum removal of the stock material**. The LD100 Matrix has a segmented cutting edge whereas the DG100 Matrix comes with a closed turbo cutting edge.

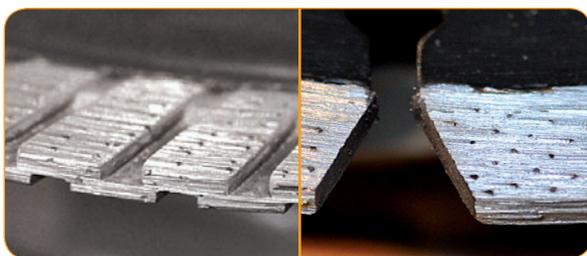
LD100 MATRIX

+	📄	📊	📦
115 x 10,0 x 2,4 x 22,23	303378	4011890071281	1
125 x 10,0 x 2,4 x 22,23	303379	4011890071298	1
150 x 10,0 x 2,4 x 22,23	303394	4011890071779	1
180 x 10,0 x 2,4 x 22,23	303380	4011890071304	1
230 x 12,0 x 2,6 x 22,23	303381	4011890071311	1
300 x 12,0 x 2,8 x 25,40 ¹⁾	303376	4011890071328	1
350 x 12,0 x 3,2 x 25,40 ¹⁾	303377	4011890071335	1

¹⁾ Reducing bushes - 20,00 and 22,23 mm - are included

DG100 MATRIX

+	📄	📊	📦
115 x 10,0 x 2,1 x 22,23	303382	4011890071342	1
125 x 10,0 x 2,1 x 22,23	303383	4011890071359	1
150 x 10,0 x 2,4 x 22,23	303384	4011890071366	1
180 x 10,0 x 2,5 x 22,23	303385	4011890071373	1
230 x 10,0 x 2,8 x 22,23	303386	4011890071380	1



Optimal use of the individual diamonds until disruption

Systematic arrangement for consistent high performance



LD100: High cutting speed



DG100: Clean cutting edges