

Order more performance — now! Products with HydroProtect:

mm: **0,8** XT8 EXACT

BRAINTOOLS®

- Lifetime
- Cutting ability solid material
- Cutting ability thin-walled material

For maximum precision when cutting



XTK8 EXACT A60U9BF1 433

Shape 42		€/pc.
⊕	📏	
115 x 0.8 x 22.23	50 206683	2.25
125 x 0.8 x 22.23	50 206684	2.55

mm: **1,9** XT35 CROSS

BRAINTOOLS®

- Lifetime
- Cutting ability solid material
- Cutting ability thin-walled material

For safe cutting and grinding in one operation



XTK35 CROSS A46U9BF1 432

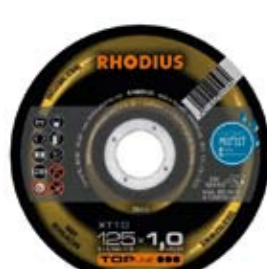
Shape 27		€/pc.
⊕	📏	
115 x 1.9 x 22.23	25 208372	2.15
125 x 1.9 x 22.23	25 208373	2.25

mm: **1,0-1,9** XT10

TOPLINE ●●●

- Lifetime
- Cutting ability solid material
- Cutting ability thin-walled material

Extremely efficient and thin cutting disc for the highest user demands



XT10 A46U9BF1 432

Shape 41		€/pc.
⊕	📏	
115 x 1.0 x 22.23	50 206162	1.85
115 x 1.5 x 22.23	50 206164	1.90
125 x 1.0 x 22.23	50 206163	1.93
125 x 1.5 x 22.23	50 206165	1.99
150 x 1.5 x 22.23	25 206258	2.42
180 x 1.5 x 22.23	25 206259	3.03
230 x 1.9 x 22.23	25 206260	4.15

XTK10 A46U9BF1 432

Shape 42		€/pc.
⊕	📏	
115 x 1.0 x 22.23	50 206166	1.85
115 x 1.5 x 22.23	50 206168	1.90
125 x 1.0 x 22.23	50 206167	1.93
125 x 1.5 x 22.23	50 206169	1.99
150 x 1.5 x 22.23	25 206261	2.42
180 x 1.5 x 22.23	25 206262	3.03
230 x 1.9 x 22.23	25 206263	4.15

Prices shown are suggested retail prices per piece excluding VAT.



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RHODIUS
Simplify your work.

HydroProtect: The built-in performance protection.

The innovation for grinding tools –
blocks moisture for a longer-lasting improved power.



Find out more at
www.rhodius-abrasives.com

RHODIUS
Simplify your work.

GB / 90077

This might interest you.
And change our industry.

Conventional disc



During the storage of grinding wheels, moisture penetrates between the bond matrix and abrasive grains.



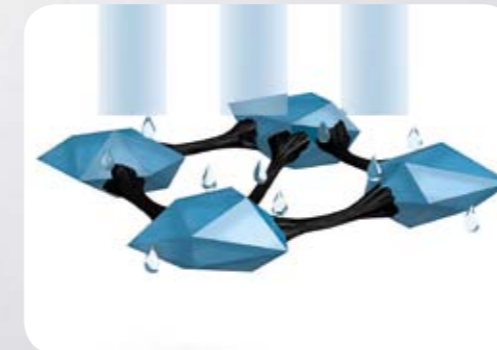
This weakens the bond and the grains break out during the cutting process without effect.



Rhodium with HydroProtect



Thanks to the altered recipe, the abrasive grains are encased in a protective barrier layer.



This prevents the premature splintering of the abrasive grains so that the performance and efficiency of the grinding wheel is optimised.

A protection that pays off. In multiple ways.

Resin-bonded grinding wheels age and their performance diminishes over time – when they are not used. RHODIUS has come up with a formula, HydroProtect, that stops the ageing process caused by moisture and retains the performance of grinding wheels sustainably.

Thus, this results in a **noticeable added value** for specialist dealers in terms of purchases and storage and also for the end user through **consistently high performance**.



- Better storage properties
- Improved cutting performance
- Continuously more performance

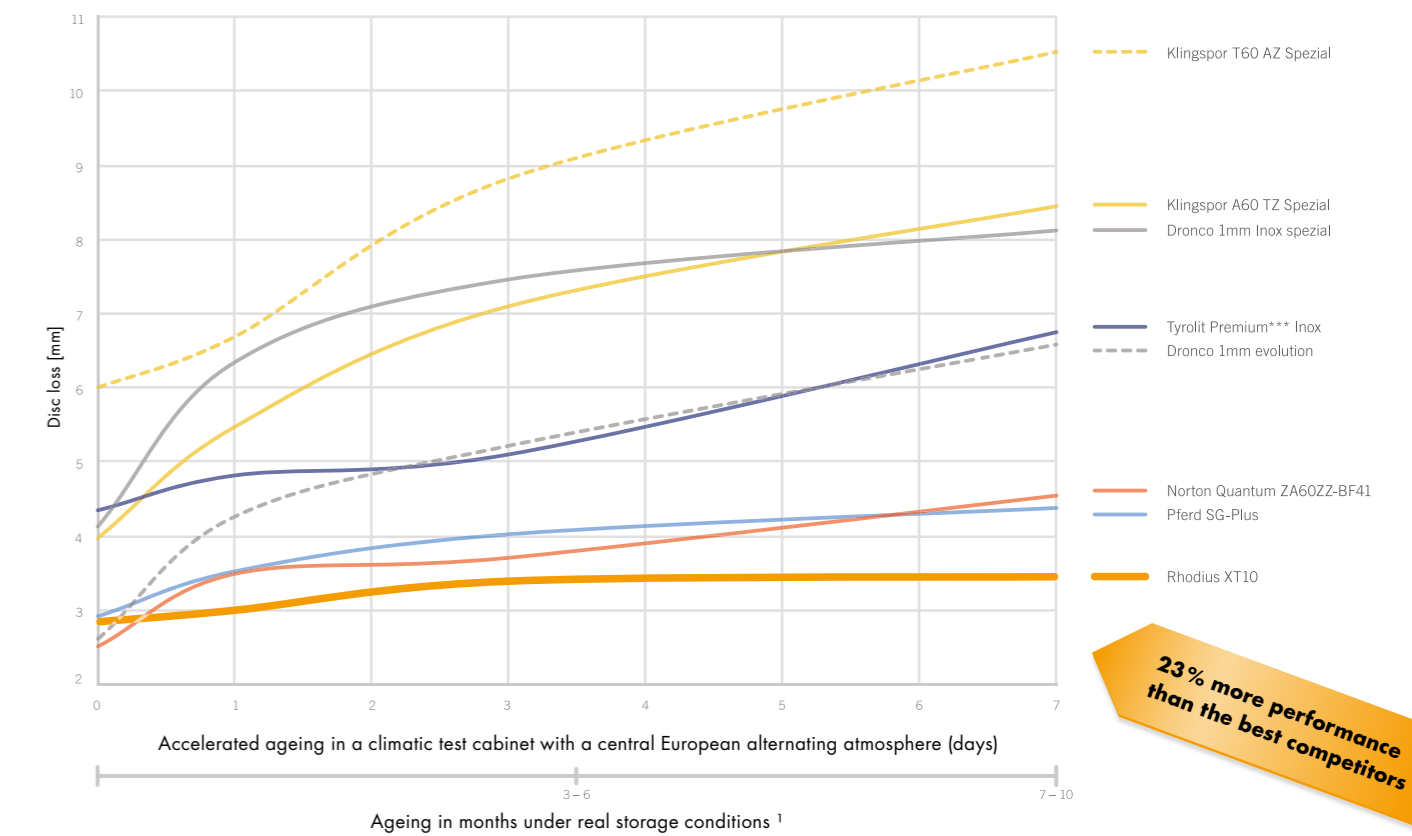
Developed in Burgbrohl – independently verified: Measurable more performance.

In an independent performance test the **XT10 with the new HydroProtect formula** shows, how big the difference can be to conventional grinding wheels. In a simulation, an aging process has been imitated, which corresponds approximately **seven to ten months** – the period the grinding wheels usually stored in up to their first use.

Grinding wheels without HydroProtect lose a lot of their performance in the first weeks after production (see diagram). The **XT10 with HydroProtect** shows how efficiently the HydroProtect formula prevent the age-related loss of performance and still provides almost the entire performance after months of storage (see timeline).



Independent performance test by the Institute for Manufacturing Technology and Production Systems at the University of Kaiserslautern (13.01.–28.01.2014): ageing of extra-thin stainless steel cutting discs 125 x 1.0 mm in an alternating atmosphere: disc loss in mm after a combination tool test (20 cuts in pipes, 15 x 15 x 1.5 mm, Inox 1.4301 & 10 cuts in solid material, Ø 14.00 mm, Inox 1.4571, with Flex FRA 1.4 kW).



23% more performance than the best competitors

¹ Values of a in-house study „Ageing by the effect of moisture on the lifetime of phenolic resin-bonded abrasive cutting discs“ by the firm of Rhodius Schleifwerkzeuge, 2008 – 2010.

The way of an grinding wheel:

