

High Surface Quality Long Lifetime

Maximum Reproducibility

The Aka Cur Cut-off wheels are developed and optimised to help you reach your sectioning tasks in the best possible way.

urface Quality = A plane surface without heat damage or deformation allows for the shortest possible grinding and polishing times *Lifetime = Long lifetime

> eliminates frequent chang<mark>ing of</mark> wheels and reduces over**all cos**t

Reproducibility = Achieving the exact same results every time is crucial in Quality Control



AKASEL





SiC Cut-off wheels
Soft and ductile, non-ferror,
are best sectioned using Sive. SiC breaks down more
perspress fine show,
sharp, cuting deges. This
start, especially for ductile
where blunt abrassives said
duce deep deformation the
almost impossible to remolater preparation stage.

OVERVIEW OF **CUT-OFF WHEELS** AND THE RECOMMENDED **HARDNESS RANGES**

Aka-Cut Fe60	Aka-Cut Fe50	Aka-Cut Ti20	Aka-Cut NF10	Aka-Cut 500 HV
Х				
	Х			
Х	Х			Х
	Х	X		*
		Х	Х	Х
		Х	Х	*
		Х	Х	Х
		Х	Х	*
			Х	Х
Product no.:				
11252160	11252150	11252120	11252110	11251140
11302160	11302150	11302120	11302110	11301140
11352160	11352150		11352110	11351140
11402160	11402150		11402110	11411140
11432160	11432150	11432120	11432110	
	Te60 X X X X 11252160 11302160 11352160 11402160	Fe60 Fe60 X X X X X X X X X	Fe60	Fe60 Fe50 Ti20 NF10 X X X X X X X X X

To easily find the correct wheel for a certain application both the material definition and the approximate hardness are used in the names of our necessity of wheels.

Material definition:

- Fe Ferrous metals / Steels
- i = Titanium and Titanium Alloys
- NF = Non-Ferrous Metals / Aluminium, Copper, Brass
- the numbers are an indication of the hardness of the material to be cut Q = approx. 60 HRC/>500 HV = hard & very hard steels
- 0 = approx. 50 HRC \ \ \ \ \ \ 350 \ \ \ 700 HV = medium hard to hard steels
- 20 = approx. 20 HRC / 100 350 HV = medium hard ductile metals / 10 = (approx. 10 HRC) / 50 - 250 HV = very soft & soft metals
- * The Aka-Cut 500 HV is a fibre-reinforced wheel for cutting of all types
- of softer steel, and especially suited for surface hardened samples with a hardness of about 500 HV.







Together with Ask Cook, I the additive for the recrusive no cooling unit. The Ask Clu cut-off Wheels will perform at their very best. Als Cool improves the cooling and lubricating ability of the water and acts as corresion protection for both out-off machine and sample material. Ask-Too and the additional sample of machine and sample material. Ask-Too and the cooling and the acd, co last from a many other machine coolins. It has optimum skin compatibility and an extremely low along builty and an extremely low along tall. Ask-Cooling of service life of the coolant and a safe and continued process flow.

AVIA-COOLS The optimal choice. When excessive fearning of the cooling water occurs, AVIA-NOFORM offers the ideal solution. The formation of foam drastically reduces cooling of the samples during cutting and can result in thermal damage of the material. AVIA-NOFORM eliminates foam and thus increases the

 Name
 Contents
 Product no.

 Aka-Cool
 11
 19201015

 Aka-Cool
 51
 19201017

 Aka-NoFoam
 500 ml
 19501013

THE SMARTER ALTERNATIVE