

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.

irface 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</mark> of wheels and reduces over**all cost**

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



AKASEL





SiC Cut-off wheels
Soft and ductile, non-ferrou
are best sectioned using Sive. SiC breaks down more
sorsy-sexfully edge. This
start, especially for ductile in
where blunt abrasives, said
duce deep deformation tha
almost impossible to remolater preparation stage.

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

| | | | | The state of | |
|--------------|-----------------|-----------------|-----------------|-----------------|-------------------|
| Hardness | Aka-Cut Fe60 | Aka-Cut Fe50 | Aka-Cut Ti20 | Aka-Cut NF10 | Aka-Cut 500 HV |
| 1000 HV | Х | | | | |
| 700 HV | Х | Х | | | |
| 500 HV | Х | Х | | | Х |
| 350 HV | | Х | Х | | * |
| 250 HV | | | Х | Х | Х |
| 200 HV | | | X | X | * |
| 150 HV | | | Х | Х | Х |
| 100 HV | | | Х | Х | * |
| 50 HV | | | | Х | Х |
| Wheel dia. | Product no.: | | | | |
| 250 mm / 10" | 11252160 | 11252150 | 11252120 | 11252110 | 11251140 |
| 300 mm / 12" | 11302160 | 11302150 | 11302120 | 11302110 | 11301140 |
| 350 mm / 14" | 11352160 | 11352150 | 11352120 | 11352110 | 11351140 |
| 400 mm / 16" | 11402160 | 11402150 | 11402120 | 11402110 | 11411140 |
| 432 mm / 17" | 11432160 | 11432150 | 11432120 | 11432110 | |

To easily find the correct wheel for a certain application both the material definition and pine approximate hardness are used in the names of our new cut-off whose.

Material definition:

- e = Ferrous metals / Steels
- i = Titanium and Titanium Alloys
- NF = Non-Ferrous Metals / Aluminium, Copper, Brass
- he numbers are an indication of the hardness of the material to be cut 0 = 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
- * 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.

Aka-Cool is the optimal choice. When excessive foaming of the cooling water occurs, Aka-NoFoam offers the ideal solution. The formation of foam drastically reduces cooling of the sample during cutting and can result in thermal damage of the material. Aka-NoFoam 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