

# Product Data Sheet



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Product Name	Abrasive Cut-off Wheel	
Cat. no.	40000045	30A13, 125 mm dia.
	40000044	50A13, 125 mm dia.
	40000061	10S15, 150 mm dia.
	40000056	40A15, 150 mm dia.
	40000060	50A15, 150 mm dia.
	40000067	30A15, 150 mm dia.
	40000092	10S20, 200 mm dia.
	40000087	30A20, 200 mm dia.
	40000086	50A20, 200 mm dia.
	40009134	10S24, 235 mm dia.
	40009135	20S24, 235 mm dia.
	40009133	30A24, 235 mm dia.
	40009132	40A24, 235 mm dia.
	40009131	50A24, 235 mm dia.
	40009130	60A24, 235 mm dia.
	40009101	10S25, 250 mm (10") dia.
	40009102	20S25, 250 mm (10") dia.
	40009103	20A25, 250 mm (10") dia.
	40009104	30A25, 250 mm (10") dia.
	40009105	33A25, 250 mm (10") dia.
	40009106	40A25, 250 mm (10") dia.
	40009107	46A25, 250 mm (10") dia.
	40009108	50A25, 250 mm (10") dia.
	40009112	54A25, 250 mm (10") dia.
	40009171	55A25, 250 mm (10") dia.
	40009109	56A25, 250 mm (10") dia.
	40009110	60A25, 250 mm (10") dia.
	40009111	66A25, 250 mm (10") dia.
	40009140	10S30, 300 mm (12") dia.
	40009141	20S30, 300 mm (12") dia.
	40009142	30A30, 300 mm (12") dia.
	40009143	40A30, 300 mm (12") dia.
	40009144	50A30, 300 mm (12") dia.
	40009145	60A30, 300 mm (12") dia.
	40009146	66A30, 300 mm (12") dia.
	40009120	10S35, 350 mm (14") dia.
	40009121	20S35, 350 mm (14") dia.
	40009122	30S35, 350 mm (14") dia.
	40009123	20A35, 350 mm (14") dia.
	40009124	30A35, 350 mm (14") dia.

40009125	40A35, 350 mm (14") dia.
40009126	50A35, 350 mm (14") dia.
40009168	55A35, 350 mm (14") dia.
40009127	56A35, 350 mm (14") dia.
40009172	58A35, 350 mm (14") dia.
40009176	58A35, 350 mm (14") dia.
40009128	60A35, 350 mm (14") dia.
40009129	66A35, 350 mm (14") dia.
40009173	68A35, 350 mm (14") dia.
40009177	68A35, 350 mm (14") dia.
40009150	10S43, 432 mm dia.
40009170	20S43, 432 mm dia.
40009151	30A43, 432 mm dia.
40009152	40A43, 432 mm dia.
40009158	42A43, 432 mm dia.
40009153	50A43, 432 mm dia.
40009154	52A43, 432 mm dia.
40009174	58A43, 432 mm dia.
40009178	58A43, 432 mm dia.
40009155	60A43, 432 mm dia.
40009156	62A43, 432 mm dia.
40009159	66A43, 432 mm dia.
40009175	68A43, 432 mm dia.
40009179	68A43, 432 mm dia.
40009160	10S51, 508 mm dia.
40009161	30A51, 508 mm dia.
40009162	40A51, 508 mm dia.
40009163	42A51, 508 mm dia.
40009164	50A51, 508 mm dia.
40009165	52A51, 508 mm dia.
40009166	60A51, 508 mm dia.
40009167	62A51, 508 mm dia.

<b>Revision</b>	21-03-2017
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<b>Description</b>	Abrasive cut-off wheel designed to be used with materialographic cutting machines.
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<b>Material</b>	Resin bonded aluminium oxide (xx <b>A</b> xx) or silicon carbide (xx <b>S</b> xx).
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## Properties

Colour: Black, grey, green, brown or red

### Dimensions:

Dia. mm	Thickness mm	Hole dia. mm
508	3.5	32
432	3.0 (58A43 and 68A43: 2.7)	32
350	2.5 (55A35: 3.0; 58A35 and 68A35: 2.2)	32
300	2.0	32
250	1.5 (33A25: 0.8; 55A25: 3.0)	32
235	1.5	22
203	0.8	22
150	0.5	12.7
125	0.5	12.7

Abrasive Cut-off Wheels are sensitive to humidity and should be kept dry and not stored together with wet wheels.

## Application

For sectioning of materialographic samples. For the correct selection of cut-off wheels please see Struers' Cut-off Wheel brochure. For optimal cutting results, it is recommended to use Struers' additive for cooling fluids, Corrozip, Corrozip-LF or Corrozip-Cu.

## Health and Safety

- Struers' Abrasive Cut-off Wheels are not for free-hand cutting and must be used in stationary machines with totally enclosed working areas as specified in EN 12413. It is recommended to connect the cutting machine to adequate ventilation/exhaust.
- Abrasive Cut-off Wheels must be securely fixed when cutting and must not exceed the maximum rotational speed marked on the cut off wheel.
- Always use cardboard washers between the cut-off wheel and the steel flanges.
- Be aware that metallic swarf can be flammable, and mixtures of different metallic swarf may ignite spontaneously.

To the best of Struers' knowledge, the products listed above do not contain any Substances of Very High Concern (SVHC) according to REACH regulations (amended on 20<sup>th</sup> June 2016) at or above 0.1%.

According to OSHA's Hazard Communication Standard (HCS 2012) 29 CFR 1910.1200 paragraph (c) this product is considered an article and defined as *"a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of this section), and does not pose a physical hazard or health risk to employees"*.

Therefore this product is exempted from HCS 2012 obligations on classification and labelling under stated normal conditions of use (29 CFR 1910.1200 (b)(6)(v)).

See the Instructions for Use for more information.

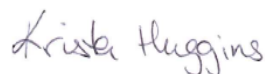
#### **Personal Protection**

No requirements.

#### **Environmental precautions**

Dispose of waste and residues as metal waste, combustible waste, or landfill in accordance with local regulations.

Approved by:



Krista Huggins

Chemical Safety Specialist  
Struers ApS.