



General Fabrication

Grinding solutions for metal professionals

**Abrasives
for real
Specialists**





Grinding Solutions

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Product Range

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sia Abrasives



sia Abrasives – Your abrasives specialist

We are passionate about professional abrasive solutions for industry and trades.

Our clearly defined abrasive processes for all materials and applications mean that we can always find the right approach to achieving the perfect surface finish.

As one of the world's largest manufacturers of high-quality abrasive products, we develop and produce abrasives with a wide variety of shapes, dimensions and specifications.

Our aim is to be your key to a perfect surface





Solutions for professionals

Efficient and economical

- Abrasive solutions from sia Abrasives are used successfully across a variety of industries.
- Comprehensive abrasive process analyses result in fast and cost-saving applications.
- The productivity of your work process is the ultimate goal.



Top quality

Innovative technology leader

- The latest production methods and technologies guarantee the highest quality.
- Processes with ultrasonic monitoring ensure the continually high level of quality.
- Standardised testing methods guarantee the utmost product safety.



Professional partner

Technically versed and experienced

- From professionals for professionals – the best advice to help you achieve successful abrasive results.
- Our expert advisers will use their technical experience to find the perfect abrasive solution for you.
- There for you, wherever you are. Represented globally in over 80 countries.



Perfect surfaces

Finish by sia Abrasives

- A perfect surface finish offers protection, enhances design and aesthetic aspects or increases functionality.
- We support you in getting the best out of every surface.
- Your specifications are our goal.



Experienced specialist

Skilled and proven

- Abrasives are our core competence.
- We offer a full range of products for any sanding application.
- We are a manufacturer with more than 140 years of experience!



More information

Industrial Know-how

As a world-leading manufacturer of high-quality abrasives with more than 140 years of expertise and innovativeness, we know the process steps of our customers and offer the right sanding solution for any material.

sia Abrasives – Perfect abrasive solutions

We are your abrasives specialists

From material removal to surface treatment and finishing, with or without structuring. System solutions from sia Abrasives produce impressive and exciting results. All metalworking professionals are excited by abrasive applications which are perfectly coordinated, suitable for all forms of abrasive applications on steel, stainless steel, aluminium and other metals.

We are your abrasives specialists. See for yourself!

Manual/portable machine sanding



For treating surfaces using an angle grinder, a die grinder, power file or orbital sander, or by manual sanding.

Stationary belt grinders



Abrasive solutions for metal processing using contact belt, stroke belt or wide belt sanding.

More information



Our Solutions



Improve your abrasive process

Optimise your productivity and cost-efficiency

The advanced surface treatment of metal parts calls for experience, the right technology and a coordinated system of abrasives.

We support you in:

- Achieving consistent surface quality
- Speeding up manufacturing processes
- Using abrasives optimally
- Perfecting surface quality
- Minimising machine downtimes

sia-abrasives.com



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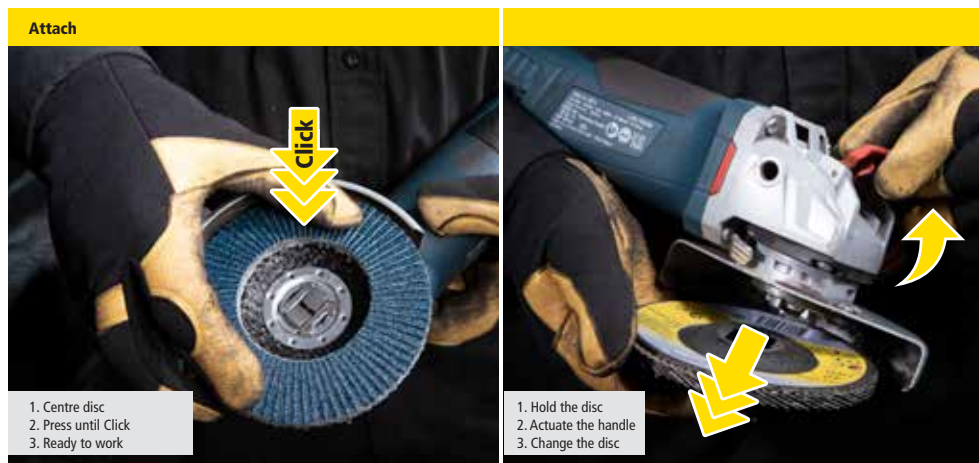
Technology
X-LOCK
 Interface



X-LOCK Just one Click – Fast & Easy

The new **changing system** allows to switch angle grinder accessories with just one click. The X-LOCK interface of the grinder's head and the accessory allows **easy** and **effortless mounting**. From preparation to finish, a fast and easy solution for every application.

This is how it works:



X-LOCK Just one Click – Fast & Easy

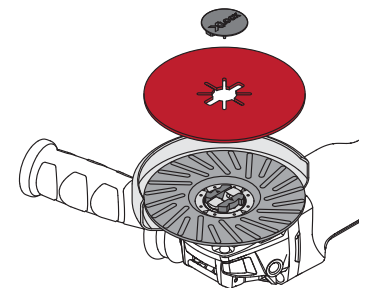
Fast & safe

- The new changing system allows to switch angle grinder accessories with just one click
- Angle grinder accessories can be changed easily without the need for additional tools. 100% tool-free
- The sound of the click when the accessories are attached lets you know that they are securely connected to the angle grinder and that you can start work without worrying

Compatible & suitable

- Each X-LOCK disc can also be attached to conventional angle grinders with a standard backing pad an nut

∅ 115 mm	✓
∅ 125 mm	✓
M14 / ∅ 22,23 mm	✓



The X-LOCK Product Range

	Cutting discs	Grinding discs	Flap discs	Fibre discs	SCM discs	Nonwoven abrasives
	 8913 siacut Fast cutting performance	 8933 siagrind Long lifetime	 2824 siaflap High performance disc	 4560 siabite High stock removal 4581 + 4582 siaramic Fastest stock removal	 6270 siamet SCM LS Best performance 6924 siamet SCM Highest aggressiveness	 6300 siastrip Cleaning
Cutting	✓					
Deburring			✓	✓	✓	
Weld preparation		✓	✓	✓		
Weld removal		✓	✓	✓		
Surface refinement			✓	✓	✓	
Cleaning					✓	✓
Removal of rust and paint					✓	✓

6240 siamet ultraflex

SCM abrasive belts



The ultra-flexible SCM sanding belt with high edge stability

The 6240 siamet SCM Ultraflex sanding belt is very flexible and has been specially developed for sanding applications where edge stability and flexibility is very important. The sanding belt impresses with excellent performance for the most demanding requirements.

- Finishing to prepare for coating and electroplating
- Deburring
- Removing discolouration
- Smoothing and blending of flaws
- Structuring and final sanding
- Surface treatment

Application



6924 siamet hd SCM discs



High-performance discs for surface finishing of steels

The high-performance discs in the 6924 siamet hd series offer an exceptional removal rate on hard materials and also impress with their exceptionally long lifetime. Another advantage of the discs is their excellent and consistent finish.

- Major time-saving thanks to highest aggressiveness and highest stock removal rates
- Excellent performance on hard materials
- More resistant on edges
- Considerably reduced tendency to smear than existing products; especially at the edge of the disc when working at tight angles

Application



Technology
siaramic
 Fibre discs

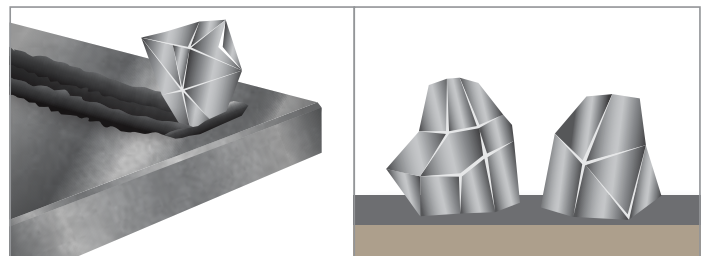


new
siaramic
 Technology

siaramic fibre discs – The ceramic fibre disc for maximum performance

Conventional ceramic abrasive grit

Conventional grit is irregular and has a more blocky shape, which leads to a ploughing effect and creates unwanted excess heat when grinding.



Fastest stock removal

The optimum triangular shape of the siaramic abrasive grit allows for a sharper cut through the metal, thereby enabling fast stock removal

Maximum lifetime



The shaped ceramic grit guarantees an optimal service life – even on the toughest applications



Even finish

The special structure of the siaramic abrasive grit provides a self-sharpening effect that results in an even sanding finish

Cooling top coat



Thanks to the cooling agent, the 4582 siaramic discs (#36+ to #120+) are suitable for work on stainless steel



4581 siaramic

Grit type: Shaped ceramic grit
 Grit range: 36+, 60+, 80+
 Diameter: 100, 115, 125, 180 mm



4582 siaramic with cooling agent

Grit type: Shaped ceramic grit
 Grit range: 36+, 60+, 80+, 120+
 Diameter: 100, 115, 125, 180 mm

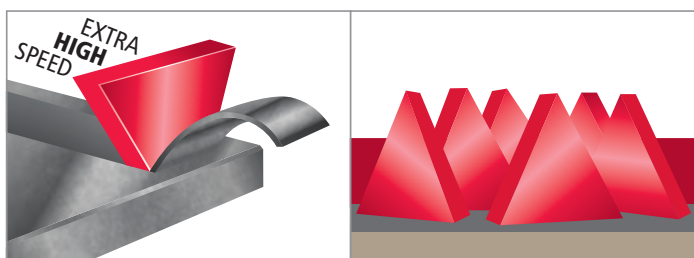


Technology
siaramic
 Sanding belts



new
siaramic
 Technology

siaramic sanding belts – The ceramic belt for longest lifetime



siaramic technology, shaped ceramic grain

The optimum triangular shape of siaramic grit, in comparison, enables a clean cut for the fastest possible stock removal and low grinding temperatures, which extends the service life of the belt.



Fastest stock removal

The optimal triangular shape of the siaramic grain allows the belt to cleanly cut through all metals, delivering significantly faster stock removal compared to common belts with crushed ceramic grain.



Even finish

The special microstructure of the ceramic grit provides a self-sharpening effect that results in an even sanding finish.



Longest lifetime



Thanks to the optimized composition the 2582 siaramic provides significantly longer lifetime compared to common crushed ceramic belts.

Optimised for stainless steel



The additional cooling agent reduces the heat generated on the workpiece. The grit range from #36+ to #120+ covers finer grinding requirements as well.

Stiff polyester backing



The robust polyester backing serves as a basis for the ceramic grit and supports maximum performance.

2582 siaramic – abrasive belts

Grit type: Shaped ceramic grit
 Grit range: 36+, 60+, 80+, 120+

Backing: Y-Polyester for grits 36+, 60+, 80+
 X-Polyester for grit 120+

Grinding Solutions





System Solutions

Paint preparation mild steel
2K Finish stainless steel

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Best Practise

Rust removal

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Industry Approved

Road tanker manufacturer
Mild/stainless steel fabricator

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Accessories

Accessories

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System solution

Preparing powder coating

Steps 1 + 2
Mild steel



Standard fibre disc



For everyday work

1 Weld removal



4560 siabite

Ceramic fibre disc
Grit: # 36

Angle grinder
11,000 rpm recommended*



Turbo backing pad II for fibre discs

2 Surface refinement



6270 siamet SCM LS

SCM disc
Grit: coarse

Angle grinder
7,500 rpm recommended*



SCM backing pad

Ceramic fibre disc with shaped ceramic grit



For when the job needs to be done quickly!

1 Weld removal



4581 siaramic

Ceramic fibre disc
Grit: # 36+

Angle grinder
11,000 rpm recommended*



Turbo backing pad II for fibre discs

2 Surface refinement



6924 siamet hd

SCM disc
Grit: extra coarse

Angle grinder
7,500 rpm recommended*



SCM backing pad

Standard flap disc



For everyday work

1 Weld removal



2824 siaflap

Zirconia alumina flap disc
Grit: # 40

Angle grinder
11,000 rpm recommended*

2 Surface refinement



6924 siamet hd

SCM disc
Grit: coarse

Angle grinder
7,500 rpm recommended*



SCM backing pad



Preparing the wet lacquering

Additional step 3

High speed



Compared to traditional 4-step approach

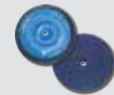
3 Finishing**



1815 siatop

siafast disc
Grit: # 80

Orbital sander
Full speed recommended



siafast backing pad

Maximum speed



Compared to traditional 4-step approach

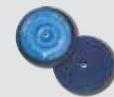
3 Finishing**



2546 siabite

siafast disc
Grit: # 80

Orbital sander
Full speed recommended



siafast backing pad

Lifetime



Compared to sia Standard process

3 Finishing**



1815 siatop

siafast disc
Grit: # 80

Orbital sander
Full speed recommended



siafast backing pad

** Additional 3rd step for wet coating / 30 mic powder

System solution
2K finish
 Stainless steel



Standard fibre disc

For everyday work



1 Weld removal



4570 siabite X

Ceramic fibre disc
 Grit: # 80

Angle grinder
 7,500 rpm recommended*



Standard backing pad
 for fibre discs

2 Surface refinement



6270 siamet SCM LS

Disc
 Grit: medium

Angle grinder
 7,500 rpm recommended*



SCM backing pad

Ceramic fibre disc

with shaped ceramic grit



For when the job needs
 to be done quickly.

1 Weld removal



4582 siaramic

Ceramic fibre disc
 Grit: # 80+

Angle grinder
 7,500 rpm recommended*



Standard backing pad
 for fibre discs

2 Surface refinement



6924 siamet hd

Disc
 Grit: medium

Angle grinder
 7,500 rpm recommended*



SCM backing pad

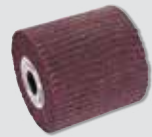
* Speed recommendations based on 115 mm and 125 mm disc diameter. For other sizes different speed recommendations apply.



3 Fine finishing



6130 siamop Interleaved



Grinding wheel
Grit: fine A/180
Burnishing machine
full speed recommended*

4 Finishing



6120 siafleece



Fleece strips
Grit: medium S

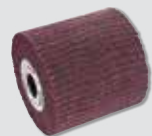
High speed

Compared with average traditional process steps

3 Fine finishing



6130 siamop Interleaved



Grinding wheel
Grit: fine A/180
Burnishing machine
full speed recommended*

4 Finishing



6120 siafleece



Fleece strips
Grit: extra cut S

Maximum speed

Compared to sia Standard process

Best Practise
Rust removal



Conventional SCM disc



SCM disc
115 mm
Extra coarse

SCM disc can also be used for rust removal.



Conventional fibre disc



Fibre disc
115 mm, # 36

Fibre discs are often used for rust removal.



sia Abrasives: siastrip disc



6300 siastrip
115 mm
Extra coarse

Disc with plastic backing.





siastrip disc – For a fast and efficient cleaning process



Test conditions:

Material: Mild steel sheet

Area: 250 x 300 mm

Application: Angle grinder, 1,500 W

Speed: 11,000 rpm



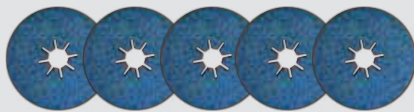
Result: Discs load very quickly
Consumption: 6 discs used



Moderate speed



Result: Discs glaze very quickly
Consumption: 5 discs used



High speed



Faster and more efficient cleaning process*

Result: no glazing, no loading
Consumption: 1 disc used



Maximum speed



* Compared to alternative products above

Industry Approved
**Road tanker
 manufacturer**
 Stainless steel



1 **Weld removal**

2511 siabite

Ceramic belt
 75 x 2,000 mm
 Grit: # 50



2 **Cleaning weld spatter**

2824 siaflap

Flap Disc
 125 mm
 Grit: # 80



3 **Refinement**

6270 siamet SCM LS

SCM disc
 115 mm
 Grit: medium



Industry Approved
**Tank
 manufacturer**
 Stainless steel



1 **Weld removal**

4570 siabite X

Fibre disc
 115 mm
 Grit: # 80+



2 **Surface refinement**

6270 siamet SCM LS

SCM disc
 115 mm
 Grit: coarse



3 **Refinement**

2511 siabite

Abrasive sleeves
 100 x 284 mm
 Grit: # 120



Customer

A large manufacturer of stainless steels road tankers

User target

- Speed up process and reduce working time
- Reduce costs, specifically for the refinement and pre-polishing application

Application challenge

- Removal of large TIG welds
- Cleaning weld spatter with minimal damage to work piece surface
- Surface refinement to a pre-polish finish
- Originally 6-steps were required to complete the job



Customer

A leading stainless steel tank manufacturer

User target

- Improve the final finish quality and therefore reduce re-working
- Reduce overheating and distortion in welded areas
- Improve process efficiency and throughput

Application challenge

- Removal of TIG welds with minimal heat creation
- Provide a consistently reproducible surface finish with as few process steps as possible



* Compared to previous process; per year


Industry Approved Mild/stainless steel fabricator



1 Weld removal


Stainless

4570 siabite X
Ceramic fibre disc
115 mm
Grit: # 60+



2 Surface refinement

6270 siamet SCM LS
SCM disc
115 mm
Grit: coarse



3 Re-graining


2803 siaron
Zirconia alumina abrasive sleeves
100 x 283 mm
Grit: # 120



1 Weld removal

Mild steel

4570 siabite X
Ceramic fibre disc
115 mm
Grit: # 60+



2 Surface refinement

6924 siamet hd
SCM disc
115 mm
Grit: coarse



3 Finishing

1815 siatop
siafast disc
150 mm
Grit: # 120




Industry Approved Passenger train maintenance




1 Removing old paint or deburring edges

2824 siaflap
siafix flap discs
50 mm
Grit: # 40



2 Keying of metal surface prior to paint preparation

1950 siaspeed
Coated abrasive disc
150 mm
Grit: # 40, multi-hole



Customer

A medium sized fabricator of general products made from mild and stainless steel

User target

- Maximise efficiencies and improve process time

Application challenge

- Weld removal and surface preparation for painting on mild steel
- Weld removal and structured satin finishing on stainless steel in less than the current 6 process steps being used



TESTED & PROVEN
by Industrial Specialist

4 Finishing

6240 siamet SCM

Abrasive sleeves
100 x 289 mm
Grit: medium



**Considerable
labour time savings***

**Considerable savings
in abrasive costs***

Customer

A prominent maintenance provider within the rail industry

User target

- Reduce dust contamination and improve overall application efficiency

Application challenge

- Remove old paint from roof section (previously done via sandblasting)
- Prepare aluminium metal surface for new paint application



TESTED & PROVEN
by Industrial Specialist

**Considerable
labour time savings***

* Compared to previous process; per year

**Product
Range**



Angle grinders

► Product overview



Cutting and grinding discs



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Flap discs



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Fibre discs



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SCM discs



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siastrip discs



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Random orbital sanders



siafast discs



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Mini angle grinders, die grinders, burnishing machines



siafix quick change system



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Expanding drums



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Spindle mounted flap wheels



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Sanding wheels



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Belt machines



Belts – Heavy backing



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Belts – Flexible backing



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Belts – SCM



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Manual sanding



Nonwoven hand pads



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Nonwoven rolls



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Coated rolls



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Accessories



Backing pads



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Expanding drum holders








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Cutting and grinding discs

Applications

- Cutting
- Grinding

Bonded abrasives	8913 siacut	8933 siagrind
		
Best for	Cutting	Heavy grinding
Advantages	<ul style="list-style-type: none"> • Designed for stainless and mild steel applications • Excellent price / performance ratio • X-LOCK available for 115 mm and 125 mm 	<ul style="list-style-type: none"> • Designed for stainless and mild steel applications • Long lifetime • Excellent price/performance ratio • X-LOCK available for 115 mm and 125 mm
Product profile		
Grit type	Aluminium oxide / Silicon carbide	Aluminium oxide
Grit range	30–60	20/24
Backing	Glass fibre reinforced	Glass fibre reinforced
Materials		
Non-alloy / low-alloy / mild steels	▼	▼
High-alloy steel / stainless steel	▼	▼
Non-ferrous metals	▽	▽
Other metals	▽	▽
Application		
Heavy	▽	▼
Standard	▼	▽
Light	▽	
Dimensions		
Diameter	Ø 76–230 mm	Ø 100, 115, 125, 180, 230 mm
Thickness	1.0–3.0 mm	6.0 mm
Variant	T41 	T27 
Safety	Organisation for the Safety of Abrasives (OSA) Eurasian Conformity, Customs Union of Russia, Belarus (EAC) European standard (EN 12413) Australian standard (AS 1788) American standard (ANSI 7.1)	





- ▼ Main application
- ▽ Secondary application

Further products available on www.sia-abrasives.com

Flap discs

Applications

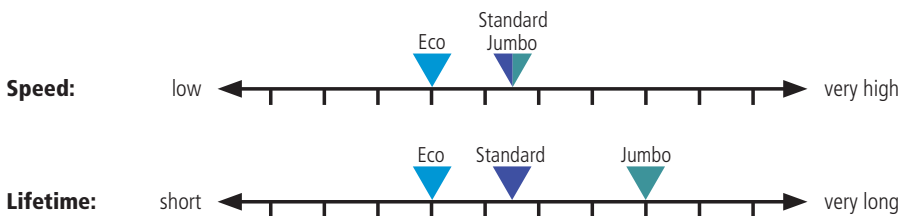
- Heavy stock removal
- Weld removal
- Deburring
- Weld preparation
- Removing discolouration
- Surface treatment

Coated abrasives	2824 siaflap Jumbo	2824 siaflap Standard	2824 siaflap Eco
			
Best for	Longest life	General grinding	Low cost
Advantages	<ul style="list-style-type: none"> • Thicker construction • Consistent cutting performance • Extremely long lifetime 	<ul style="list-style-type: none"> • Good removal rate • Consistent surface quality • Long lifetime • X-LOCK available for 115 mm and 125 mm 	<ul style="list-style-type: none"> • Economic & universal • Optimised cloth backing • Good removal rate
Product profile			
Grit type	Zirconia alumina	Zirconia alumina	Zirconia alumina
Grit range	40; 60; 80	40; 60; 80; 120	40; 60; 80
Backing	x-wt cloth	x-wt cloth	x-wt cloth
Coating	Active additives	Active additives	Active additives
Materials			
Non-alloy / low-alloy / mild steels	▼	▼	▼
High-alloy steel / stainless steel	▽	▽	▽
Non-ferrous metals	▽	▽	▽
Other metals			
Application			
Heavy	▼		
Standard	▽	▼	▼
Light		▽	▽
Dimensions			
Diameter	Ø 115, 125 mm	Ø 115, 125, 180 mm	Ø 115, 125 mm
Variant	T29 Angled, Fibre Glass	T27 Flat, Fibre Glass, Plastic T29 Angled, Fibre Glass	T29 Angled, Fibre Glass

- ▼ Main application
- ▽ Secondary application

Further products available on www.sia-abrasives.com

The right product for your application



Expert tip:

Various types






It is best to use die flap discs (type 27) on flat surfaces when a consistent surface quality is to be achieved. Angled flap discs (type 29) are ideal for aggressive stock removal during contour and edge work because the angle of the segments increases contact with the surface.



Fibre discs

Applications

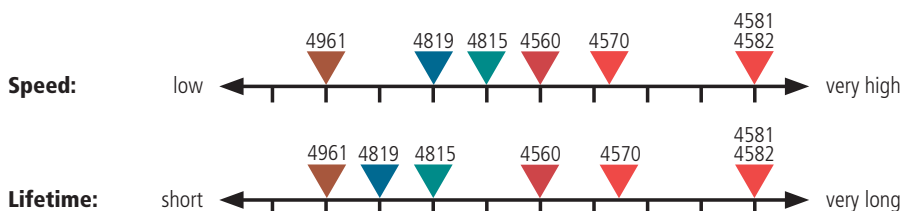
- Weld removal
- Weld preparation
- Removing discolouration
- Material removal
- Surface treatment
- Blending of flaws
- Deburring

Coated abrasives	4582 siaramic	4581 siaramic	4570 siabite X	4560 siabite
	 X-LOCK	 X-LOCK		 X-LOCK
Best for	Maximum performance on stainless steel and steel	Maximum performance on steel	Simply the coolest grinding with new X-Technology	A premium allrounder
Advantages	<ul style="list-style-type: none"> • Fastest stock removal • Longest life • Heat-reduced cutting • Consistent cutting performance • X-LOCK available for 115 mm and 125 mm 	<ul style="list-style-type: none"> • Aggressive and fast stock removal • Consistent cutting performance • High durability • X-LOCK available for 115 mm and 125 mm 	<ul style="list-style-type: none"> • Heat-reduced cutting • Long lifetime • Consistent cutting performance • Fine surface treatment 	<ul style="list-style-type: none"> • High performance – total stock removal • Firm fibre backing • Reduce discolouration • X-LOCK available for 115 mm and 125 mm
Product profile	Ceramic aluminium oxide, moulded grit	Ceramic aluminium oxide, moulded grit	Ceramic aluminium oxide	Ceramic aluminium oxide
Grit type				
Grit range	36+; 60+; 80+; 120+	36+; 60+; 80+	36+; 60+; 80+; 120+	36; 50–120
Backing	Fibre	Fibre	Fibre	Fibre
Coating	Cooling top coat	Active agent	X-Technology	Cooling top coat
Materials				
Non-alloy / low-alloy / mild steels	▽	▼	▼	▽
High-alloy steel / stainless steel	▼	▽	▼	▼
Non-ferrous metals	▽		▽	
Other metals	▽		▼	▽
Application				
Heavy	▼	▼	▼	▼
Standard	▼	▽	▼	▼
Light	▽		▽	▽
Dimensions				
Diameter	Ø 100, 115, 125, 180 mm	Ø 100, 115, 125, 180 mm	Ø 100, 115, 125, 180 mm	Ø 115, 125, 180 mm

- ▼ Main application
- ▽ Secondary application

Further products available on www.sia-abrasives.com
Accessories on page 43/44

The right product for your application



Expert tip:

Turbo backing pad I





Aggressive grinding thanks to a heavy duty and ribbed design which helps to increase contact pressure between the disc and the workpiece. Long lifetime due to thermostable plastic. It is therefore the perfect partner for coarse fibre discs when maximum stock removal is required.



Fibre discs

Applications

- Weld removal
- Weld preparation
- Removing discolouration
- Material removal
- Surface treatment
- Blending of flaws
- Deburring

	4815 siacut	4819 siaron 8	4961 sialoX	4700 siaral 8
				
Best for	Stainless steel fine sanding	General grinding	Light applications	Sanding of a wide range materials
Advantages	<ul style="list-style-type: none"> • Aggressive cut • Firm fibre backing • Reduce discolouration 	<ul style="list-style-type: none"> • High removal rate • Long lifetime • Versatile • Firm fibre backing 	<ul style="list-style-type: none"> • Versatile all-round product • Excellent price/performance ratio 	<ul style="list-style-type: none"> • High removal rate • Firm fibre backing • Suitable for glass, ceramics and stone
Product profile				
Grit type	Zirconia alumina	Zirconia alumina	Aluminium oxide	Silicon carbide
Grit range	36; 60; 80; 120; 150	24; 36; 40; 60; 80; 120	24; 36; 60; 80; 120	24; 36; 60; 80; 120
Backing	Fibre	Fibre	Fibre	Fibre
Coating	Cooling top coat	Active agent	Active agent	–
Materials				
Non-alloy / low-alloy / mild steels	▽	▼	▼	
High-alloy steel / stainless steel	▼	▽	▽	▼
Non-ferrous metals		▼	▼	▼
Other metals	▽			
Application				
Heavy				
Standard	▼	▼	▼	▼
Light	▽	▽	▼	▼
Dimensions				
Diameter	Ø 100, 115, 125, 180 mm	Ø 100, 115, 125, 180 mm	Ø 100, 115, 125, 180 mm	Ø 100, 115, 125, 180 mm

- ▼ Main application
- ▽ Secondary application

Further products available on www.sia-abrasives.com
Accessories on page 43/44

Expert tip:

Turbo backing pad II






The ribs of the backing pad help to increase the contact pressure and enable a higher airflow. Its longer lifetime is ensured by the thermostable plastic. This means that the turbo backing pad II is ideally suited to general abrasive work, such as removing moderate welds, smoothing and blending flaws.



siafast discs

Applications

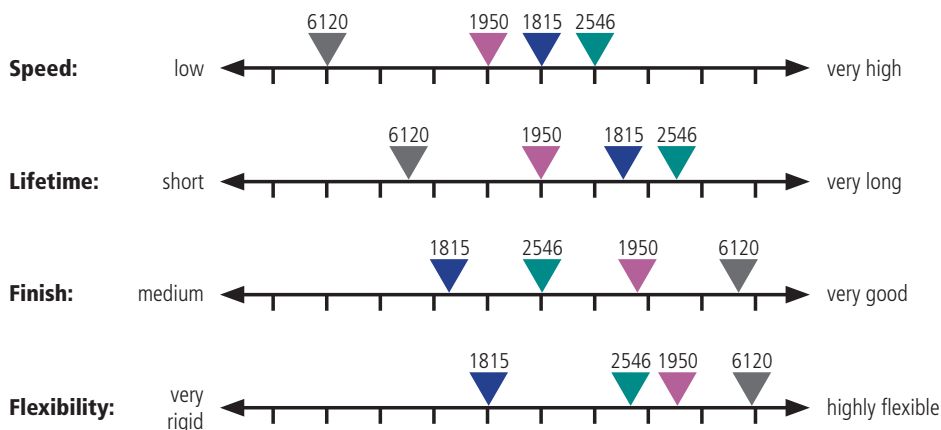
- Light weld removal (1815)
- Removal of rust and paint
- Removing discolouration
- Deburring
- Surface treatment
- Blending of flaws

Coated abrasives	2546 siabite	1815 siatop	1950 siaspeed	6120 siafleece
				
Best for	Contour applications	Light stock removal	Aluminium finishing	Fine finishing
Advantages	<ul style="list-style-type: none"> • Very flexible backing – ideal for contours • Long lifetime • Heat-reduced cutting 	<ul style="list-style-type: none"> • High edge stability • Light fibre backing in coarse grits • Aggressive cut 	<ul style="list-style-type: none"> • Ceramic content in coarse grits • Ideal for aluminium, paint, composites, plastics • Great for light applications 	<ul style="list-style-type: none"> • Highly flexible • Ideal for surface finishing
Product profile				
Grit type	Ceramic aluminium oxide	Zirconia alumina	Aluminium oxide / ceramic	Aluminium oxide / Silicon carbide
Grit range	60; 80; 120; 180; 240	24–180	40; 60–600	Coarse – ultra fine S
Backing	jj-wt cloth	Fibre / f-wt paper	c-wt paper	Nonwoven
Coating	Cooling top coat	Active agent	–	–
Materials				
Non-alloy / low-alloy / mild steels	▽	▼	▽	▼
High-alloy steel / stainless steel	▼	▽		▼
Non-ferrous metals		▼	▼	▽
Other metals	▽		▽	▽
Application				
Heavy	▽	▽		
Standard	▼	▼	▽	▼
Light			▼	▼
Dimensions				
Diameter	Ø 115, 125, 150 mm	Ø 115, 125, 140, 150, 180, 200, 230, 300, 407 mm	Ø 125, 150 mm	Ø 125, 150 mm

- ▼ Main application
- ▽ Secondary application

Further products available on www.sia-abrasives.com
Accessories on page 43/44



The right product for your application



siastrip discs

Applications

- Rust removal
- Coating removal from all metal
- Light scale removal
- Weld cleaning
- Graffiti removal from stone and concrete
- Epoxy removal

Nonwoven abrasives	6300 siastrip
	
Best for	Rust removal
Advantages	<ul style="list-style-type: none"> • No damage to underlying material • No clogging • Fast working at low working temperature
Product profile	
Grit type	Silicon carbide
Grit range	Extra coarse
Backing	Nylon fibre structure
Materials	
Non-alloy / low-alloy / mild steels	▼
High-alloy steel / stainless steel	▽
Non-ferrous metals	▼
Concrete and stone	▽
Application	
Heavy	
Standard	▼
Light	▼
Dimensions	
Diameter	T27: Ø 100, 115, 125 mm on special request: Ø 150 mm siafix: Ø 50–75 mm

- ▼ Main application
- ▽ Secondary application

Available for angle grinders and for die grinders for mandrel application.
Further products available on www.sia-abrasives.com



Expert tip:

Maximum efficiency






For maximum efficiency reduce the angle grinder speed to half (approx. 5500 rpm) this will extend the product lifetime. Ideal for removing rust and paint prior to welding, the specially designed web structure allows the efficient removal of surface contaminants without damaging the underlying material below. Also suitable for use on composites, wood, and concrete.



siafix quick change system

Applications

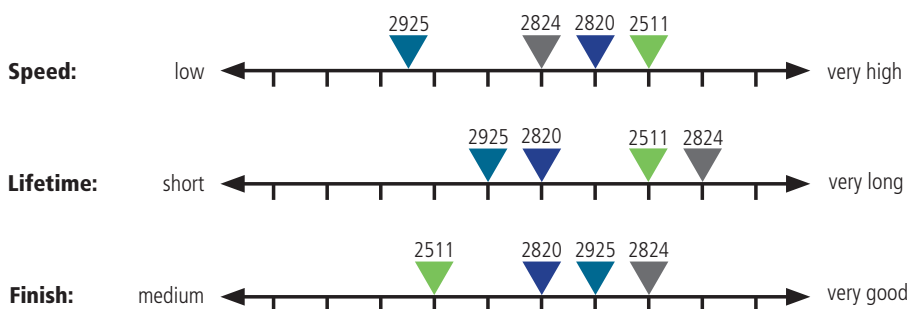
- Deburring
- Weld removal
- Removal of rust
- Removing discolouration
- Surface treatment
- Blending of flaws
- Structuring and final sanding

Coated abrasives	2511 siabite	2820 siamet	2925 sialoX	2824 siaflap
				
Best for	Fastest stock removal	Universal abrasive for all metals	General grinding of mild steel and non-ferrous metals	Long lifetime
Advantages	<ul style="list-style-type: none"> • Long lifetime • Aggressive cut • Heat-reduced cutting 	<ul style="list-style-type: none"> • High edge stability, high tear resistance • High performance 	<ul style="list-style-type: none"> • High edge stability, high tear resistance • For general use 	<ul style="list-style-type: none"> • Good removal rate • Consistent surface quality • Long lifetime
Product profile				
Grit type	Ceramic aluminium oxide	Zirconia alumina	Aluminium oxide	Zirconia alumina
Grit range	36; 50; 60; 80; 120	36; 60; 80; 120; 180; 240; 320	24; 36; 60; 80; 120	40; 60; 80; 120
Backing	y-wt cloth	y-wt cloth	x-wt cloth	x-wt cloth
Coating	Cooling top coat	Active agent	Active agent	Active agent
Materials				
Non-alloy / low-alloy / mild steels	▽	▼	▼	▼
High-alloy steel / stainless steel	▼	▽	▽	▽
Non-ferrous metals		▼	▼	
Other metals	▽			▽
Application				
Heavy	▼	▽		
Standard	▽	▼	▼	▼
Light		▼	▼	▽
Dimensions				
Diameter	Ø 25, 50, 75 mm	Ø 25, 50, 75 mm	Ø 25, 50, 75 mm	Ø 50 mm

- ▼ Main application
- ▽ Secondary application

Further products available on www.sia-abrasives.com
Accessories on page 43/44

The right product for your application



Expert tip:

The system solution from coarse sanding through to finishing. Using a combination of coated abrasives and SCM products provides a high removal rate at first and an optimum surface finish at the end.


Example:
on stainless steel bracket with TIG weld seam

Step 1:
2511 siabite, grit of 80



Step 2:
6924 siamet hd, medium

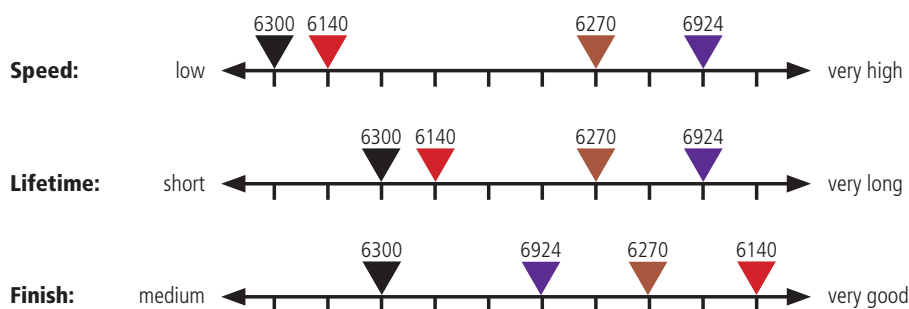


Nonwoven abrasives	6924 siamet hd	6270 siamet SCM LS	6140 siafleece sd	6300 siastrip
				
Best for	Quick cut	Long lifetime	Aluminium finishing	Rust removal
Advantages	<ul style="list-style-type: none"> • Major time-saving • More resistant on edges • Low clogging 	<ul style="list-style-type: none"> • Long lifetime • Excellent surface quality • Good edge stability 	<ul style="list-style-type: none"> • Consistent sanding pattern and long lifetime • High tear resistance • Low clogging 	<ul style="list-style-type: none"> • No clogging • Excellent performance and lifetime
Product profile				
Grit type	Ceramic coated	Blue-fired aluminium oxide	Aluminium oxide	Silicon carbide
Grit range	Extra coarse; coarse; medium	Coarse; medium; fine; very fine	Medium; fine; very fine	Extra coarse
Backing	Scrim	Scrim	Cloth	Nylon fibre structure
Coating	–	–	–	–
Materials				
Non-alloy / low-alloy / mild steels	▼	▼	▼	▼
High-alloy steel / stainless steel	▼	▼	▼	▽
Non-ferrous metals	▽	▼	▼	▼
Other metals	▼	▼	▽	
Application				
Heavy	▼			
Standard	▼	▼		▼
Light	▽	▼	▼	▼
Dimensions				
Diameter	Ø 25, 50, 75 mm	Ø 50, 75 mm	Ø 25, 50, 75 mm	Ø 50, 75 mm

▼ Main application
 ▽ Secondary application

Further products available on www.sia-abrasives.com
 Accessories on page 43/44

The right product for your application



siafix

Fastening system

Comes with a roll-on/roll-off connection




Type: R / 3



Expanding drums

Applications

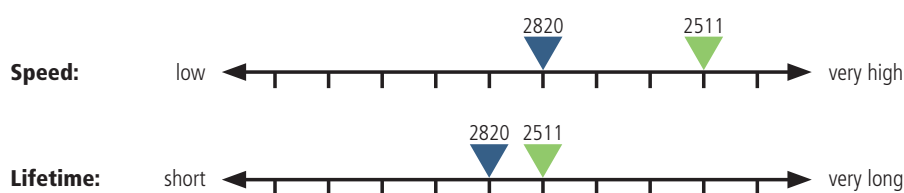
- Deburring
- Finishing
- Blending of flaws

Coated abrasives	2511 siabite	2820 siamet
		
Best for	Fastest stock removal	Universal abrasive for all metals
Advantages	<ul style="list-style-type: none"> • Highest stock removal • Longest lifetime of comparable competing products • Heat-reduced cutting • Excellent price/performance ratio 	<ul style="list-style-type: none"> • High stock removal • Effective on both mild steel and stainless steel
Product profile		
Grit type	Ceramic aluminium oxide	Zirconia alumina
Grit range	36; 60; 80; 120	36; 50; 60; 80; 120
Backing	x-wt cloth	x-wt cloth
Coating	Cooling top coat	Active agent
Materials		
Non-alloy / low-alloy / mild steels	▽	▼
High-alloy steel / stainless steel	▼	▽
Non-ferrous metals		▼
Other metals	▽	▽
Application		
Heavy	▼	▽
Standard	▼	▼
Light	▽	▽
Dimensions		
Diameter	Ø 15–75 mm	Ø 10–60 mm
Width	20, 25, 30 mm	20, 25, 30 mm

▼ Main application

Further products available on www.sia-abrasives.com
Accessories on page 43/44





The right product for your application



Spindle mounted flap wheels

Applications

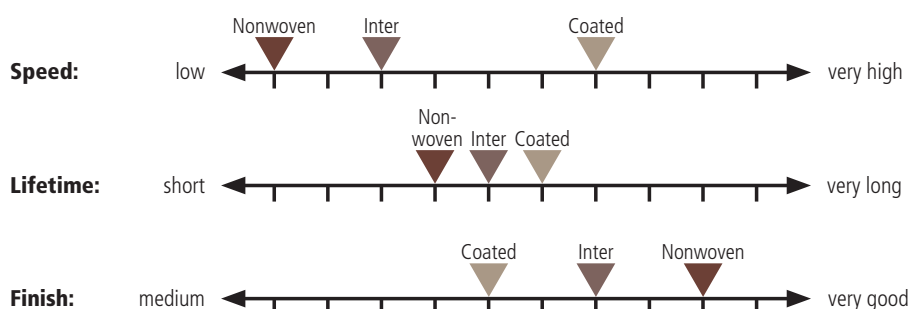
- Deburring
- Blending of flaws
- Structuring/satin finishing
- Removing discolouration

Nonwoven abrasives	2923 siamop	6120 siamop Interleaved	6120 siamop Nonwoven
			
Best for	Fastest stock removal	Blending of flaws	Fine finishing
Advantages	<ul style="list-style-type: none"> • Wide range of applications • Highly flexible • Versatile • Fast stock removal 	<ul style="list-style-type: none"> • Great for blending • High conformability • Combined surface treatment and finishing 	<ul style="list-style-type: none"> • Perfect for fine sanding and finishing on stainless steel • High conformability • Choice between matte or bright surface finish
Product profile			
Grit type	Aluminium oxide	Aluminium oxide	Aluminium oxide, silicon carbide
Grit range	40; 60; 80; 120; 150	Coarse A/60*; medium A/120*; fine A/180*; very fine A/240*	Extra coarse A; coarse A; medium A; medium S; fine A; very fine A
<small>* Nonwoven / coated grit</small>			
Backing	x-wt cloth	x-wt cloth / nonwoven	Nonwoven
Materials			
Non-alloy / low-alloy / mild steels	▼	▼	▼
High alloy steel / stainless steel	▽	▼	▼
Non-ferrous metals	▽	▽	▽
Other metals	▽	▽	▽
Application			
Heavy	▼		
Standard	▼	▼	▼
Light	▽	▽	▽
Dimensions			
Diameter	Ø 20–80 mm	Ø 38–100 mm	Ø 38–100 mm
Width	10–50 mm	25–50 mm	25–50 mm

- ▼ Main application
- ▽ Secondary application

Further products available on www.sia-abrasives.com



The right product for your application



Sanding wheels

Applications

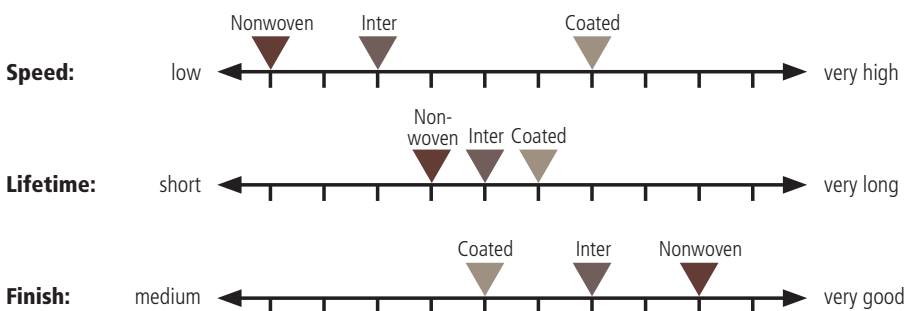
- Deburring
- Blending of flaws
- Structuring / finishing
- Removing discolouration

Nonwoven abrasives	2988 siamop	6130 siamop interleaved	6130 siamop nonwoven
			
Best for	Fastest stock removal	Blending of flaws	Fine finishing
Advantages	<ul style="list-style-type: none"> • Excellent surface quality • Long lifetime 	<ul style="list-style-type: none"> • Great for blending • Combined surface treatment and finishing • Ideal for regraining 	<ul style="list-style-type: none"> • Perfect for fine finishing on stainless steel • High conformability
Product profile			
Grit type	Aluminium oxide	Aluminium oxide	Aluminium oxide
Grit range	60; 80; 120	Coarse A / 40*; medium A / 60*; fine A/120*	Coarse A; medium A; medium S; fine A; very fine A
* Nonwoven / coated grit			
Backing	x-wt cloth	x-wt cloth / nonwoven	Nonwoven
Materials			
Non-alloy / low-alloy / mild steels	▼	▼	▼
High-alloy steel / stainless steel	▽	▼	▼
Non-ferrous metals	▽	▽	▽
Other metals	▽	▽	▽
Application			
Heavy	▼		
Standard	▼	▼	▼
Light	▽	▽	▽
Dimensions			
Diameter	105 mm	105 mm	105 mm
Width	100 mm	100 mm	100 mm
Centre bore	19 mm	19 mm	19 mm

- ▼ Main application
- ▽ Secondary application

Further products available on www.sia-abrasives.com

The right product for your application



Expert tip:

Perfect results






Use the fine A/180 interleaved wheel as a part of the sia-system solution for a perfect 2K grained finish on stainless steel.



Belts – heavy backings

Applications

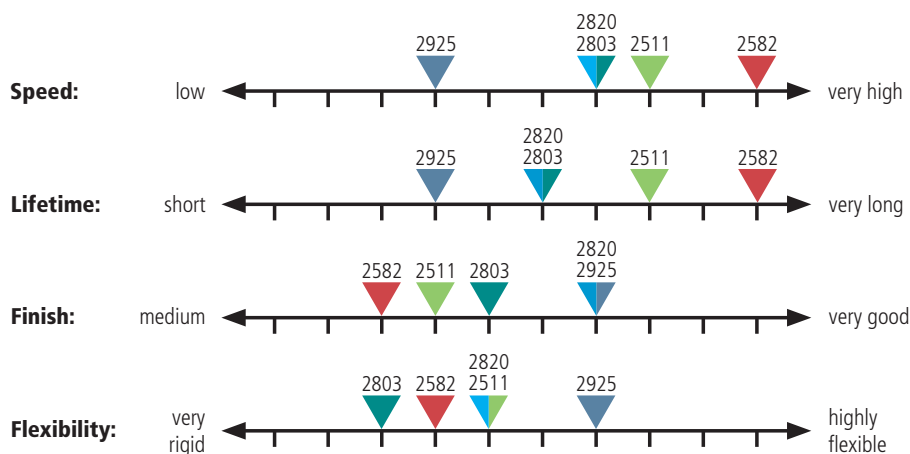
- Weld preparation
- Sanding down
- Deburring
- Blending of flaws
- Weld removal
- Surface treatment
- Structuring and final sanding
- Removal of rust

Coated abrasives	2582 siaramic	2511 siabite	2820 siamet	2925 sialoX
				
Best for	Maximum performance on stainless steel and steel	Fast stock removal	Universal abrasive for all metals	Fine finishing
Advantages	<ul style="list-style-type: none"> • Fastest stock removal • Longest life • Heat-reduced cutting • Consistent cutting performance 	<ul style="list-style-type: none"> • Long lifetime • Heat-reduced cutting • High-performance product 	<ul style="list-style-type: none"> • High performance for all metals • Suitable for dry sanding • Aggressive cut 	<ul style="list-style-type: none"> • For general use in dry and wet grinding applications
Product profile	Ceramic aluminium oxide, moulded grit	Ceramic aluminium oxide	Zirconia alumina	Aluminium oxide
Grit type				
Grit range	36+; 60+; 80+; 120+	36–120	36–320; 400	24–320; 400
Backing	Y-Polyester/X-Polyester	x-wt cloth	x-wt cloth	x-wt cloth
Coating	Cooling top coat	Cooling top coat	Active agent	Active agent
Materials				
Non-alloy / low-alloy / mild steels	▽	▽	▼	▼
High-alloy steel / stainless steel	▼	▼	▽	▽
Non-ferrous metals	▽		▼	▼
Other metals	▼	▼	▽	▽
Application				
Heavy	▼	▼	▽	
Standard	▼	▼	▼	▼
Light	▽		▽	▽

- ▼ Main application
- ▽ Secondary application

Further products available on www.sia-abrasives.com

The right product for your application



Expert tip:

Two-step solution





For the ultimate process solutions a combination of coated and nonwoven scm belts can offer considerable time savings and increased production output.



Belts – flexible backings

Applications

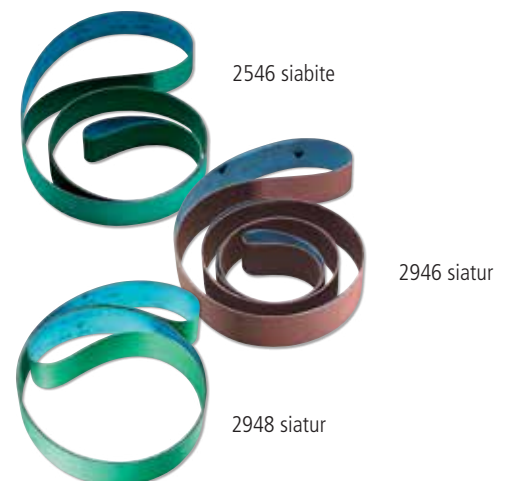
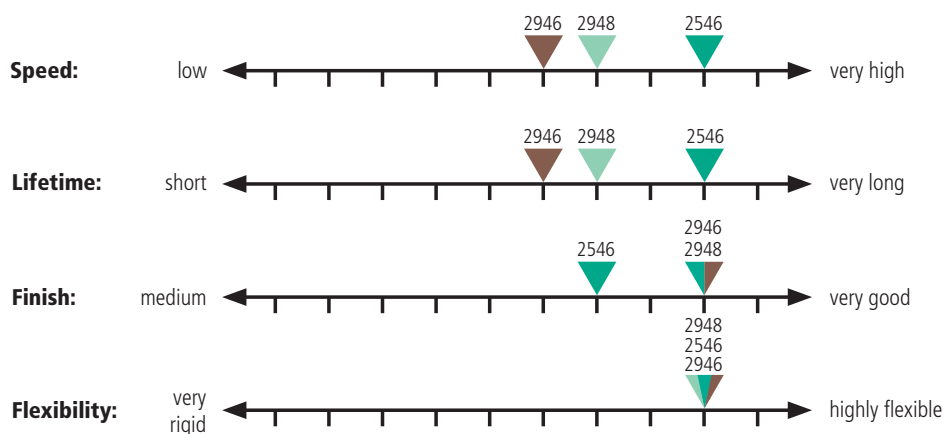
- Surface treatment
- Initial polishing
- Structuring and final sanding
- Sanding contours and curves

Coated abrasives	2546 siabite	2946 siatur	2948 siatur
			
Best for	Longest life on stainless steel	Fine finishing on mild steel	Fine finishing on stainless steel
Advantages	<ul style="list-style-type: none"> • High stock removal • Reduce discolouration • Highly adaptable to contours 	<ul style="list-style-type: none"> • Highly adaptable to contours • Excellent surface quality • Versatile 	<ul style="list-style-type: none"> • Reduce discolouration • Highly adaptable to contours • Excellent price/performance ratio
Product profile			
Grit type	Ceramic aluminium oxide	Aluminium oxide	Aluminium oxide
Grit range	60–320; 400	60–320; 600	80–120; 180; 240–320; 400; 600
Backing	jj-wt cloth	jj-wt cloth	jj-wt cloth
Coating	Cooling top coat	Active agent, from 100 grit also with cooling top coat	Cooling top coat
Materials			
Non-alloy / low-alloy / mild steels	▽	▼	▽
High-alloy steel / stainless steel	▼	▽	▼
Non-ferrous metals	▼	▼	▼
Other metals	▼	▽	▼
Application			
Heavy	▼	▼	▼
Standard	▽	▽	▽
Light	▼	▼	▼

- ▼ Main application
- ▽ Secondary application

Further products available on www.sia-abrasives.com




The right product for your application



Belts – SCM

Applications

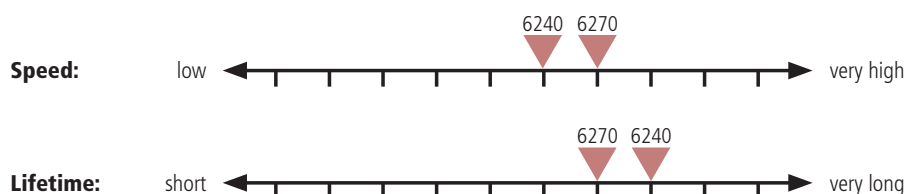
- Removing discoloration
- Removing fine scratches
- Surface treatment
- Blending of flaws
- Structuring and satin finishing

Nonwoven abrasives	6270 siamet SCM LS	6240 siamet ultraflex
		
Best for	Long lifetime and fast cut	Powerfile baby belts
Advantages	<ul style="list-style-type: none"> • Highly flexible • Consistent surface quality • Low clogging • Long lifetime 	<ul style="list-style-type: none"> • Highly flexible • Low expansion • Excellent edge stability • Long lifetime
Product profile		
Grit type	Aluminium oxide	Aluminium oxide
Grit range	Coarse; medium; fine; very fine	Coarse; medium; fine; very fine
Backing	Scrim	Scrim
Coating	–	–
Materials		
Non-alloy / low-alloy / mild steels	▼	▼
High-alloy steel / stainless steel	▼	▼
Non-ferrous metals	▼	▼
Other metals	▼	▼
Application		
Heavy	▽	
Standard	▼	▼
Light	▽	▽

- ▼ Main application
- ▽ Secondary application

Further products available on www.sia-abrasives.com

The right product for your application



Manual sanding

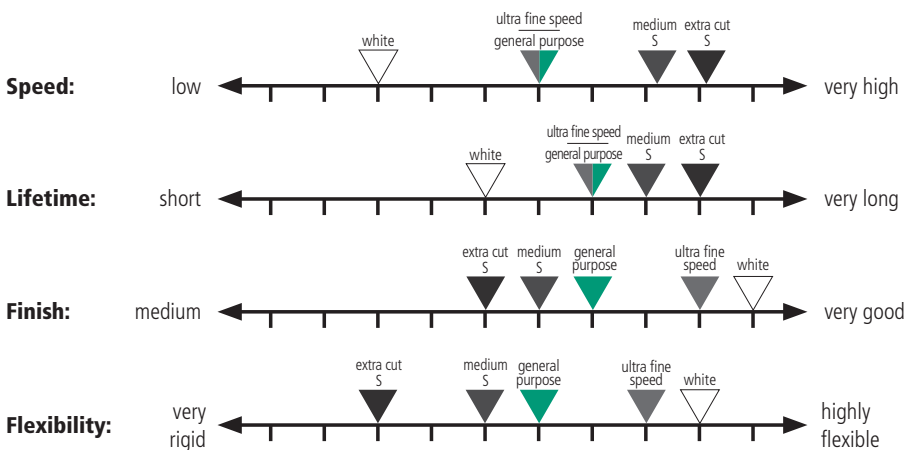
Applications

- Surface contaminant removal
- Finishing
- Weld cleaning
- Cleaning glass and ceramics (white)
- For use on metals, paints, composites, ceramics, glass and more

6120 siafleece	extra cut S	medium S	ultra fine speed	general purpose	white
Best for	Fastest finish	Bright surface finish on stainless steel	Super fine finishing	All round use	Cleaning and polishing
Advantages	<ul style="list-style-type: none"> • Stiff product with high aggression • Quick cut and long life • Gives a satin finish on stainless steel 	<ul style="list-style-type: none"> • Blending of flaws • Gives a bright surface finish on stainless steel • Great for cleaning mild steel 	<ul style="list-style-type: none"> • High durability • Flexible and conformable • Ideal for scuffing of paint and lacquer 	<ul style="list-style-type: none"> • Special grit application for clean sanding • Ideal all round product for multiple applications 	<ul style="list-style-type: none"> • No abrasive grain so ideal for gentle cleaning of glass, ceramics, stainless steel
Product profile					
Grit type	Silicon carbide	Silicon carbide	Silicon carbide	Aluminium oxide	None
Grit size	80	120	600	320	–
Grit equivalent finish	220–280	320–360	1,000–1,200	600–800	Cleaning
Backing	Nonwoven	Nonwoven	Nonwoven	Nonwoven	Nonwoven
Materials					
Non-alloy / low-alloy / mild steels	▼	▼	▽	▼	▼
High-alloy steel / stainless steel	▼	▼	▼	▽	▼
Non-ferrous metals	▽	▽	▽	▽	▼
Other metals	▽	▽	▽	▽	▼
Application					
Heavy	▼	▽			
Standard	▽	▼	▽	▽	▽
Light		▽	▼	▼	▼
Dimensions	Hand pads only.	Various hand pads and rolls			

- ▼ Main application
- ▽ Secondary application

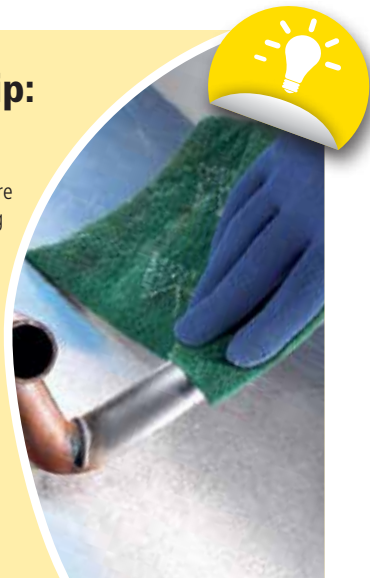
The right product for your application










Expert tip:

Finishing

Fleece products are ideal for removing small scratches or discolouration from metal surfaces while still maintaining the original grained finish.

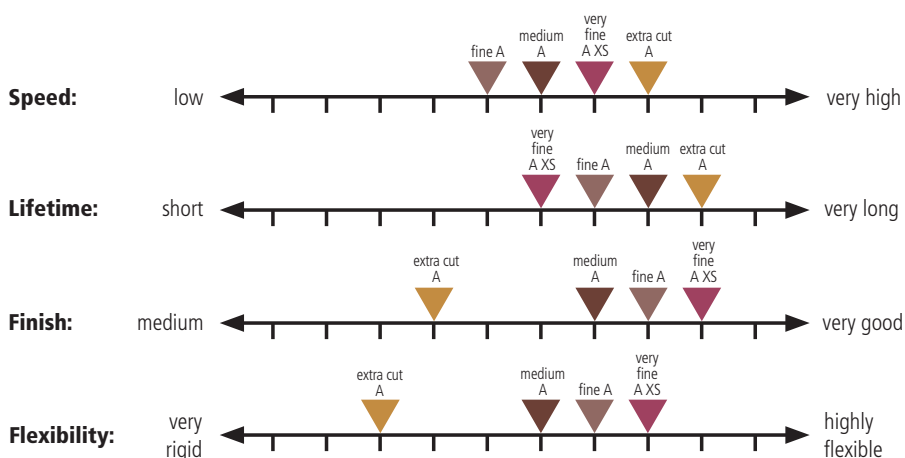


extra cut A	medium A	fine A	very fine A XS
			
Matte finishing	Mild steel applications	Aluminium applications	Satin finishing on stainless steel
<ul style="list-style-type: none"> • Stiff product with high aggression • Quick cut and long life • Provides an excellent matte finish 	<ul style="list-style-type: none"> • Flexible and conformable • Ideal for matte finishing on all metals 	<ul style="list-style-type: none"> • Consistent fine finish • Flexible and conformable • Perfect for light contaminant removal on aluminium and stainless steel 	<ul style="list-style-type: none"> • Special grit application for clean sanding • Consistent fine finish • Ideal for satin finishing on stainless steel and non-ferrous metals
Aluminium oxide	Aluminium oxide	Aluminium oxide	Aluminium oxide
80	120	180	320
220–280	320–360	400–500	600–800
Nonwoven	Nonwoven	Nonwoven	Nonwoven
▼	▼	▼	▼
▽	▽	▽	▽
▽	▽	▽	▽
▽	▽	▽	▽
▼	▽	▼	▼
▽	▼	▽	▽
	▼	▼	▼
Various hand pads and rolls			

2915 siarol

Deburring and fine sanding
<ul style="list-style-type: none"> • Adapts well to curves and contours • Excellent surface quality • Long lifetime
Aluminium oxide
40–400
–
Flexible cloth
▼
▽
▽
▽
▼
▽
Rolls and sheets

Further products available on www.sia-abrasives.com

The right product for your application



Expert tip:

Finishing




Ultra fine, very fine and fine grades can also be used on primed and painted surfaces for keying.



SCM discs

Applications

- Surface refinement
- Removing discolouration
- Blending of flaws
- Surface treatment
- Deburring
- Removal of rust and paint

Nonwoven abrasives	6924 siamet hd	6270 siamet SCM LS
		
Best for	Quick cut	Long lifetime
Advantages	<ul style="list-style-type: none"> • Highest aggressiveness • Excellent performance on metal materials • Fastest stock removal 	<ul style="list-style-type: none"> • Long lifetime • Consistent surface finish • Good edge stability
Product profile		
Grit type	Aluminium oxide	Blue-fired aluminium oxide
Grit range	Extra coarse; coarse; medium	Coarse; medium; fine; very fine
Backing	Scrim	Scrim
Coating	–	–
Materials		
Non-alloy / low-alloy / mild steels	▼	▼
High-alloy steel / stainless steel	▼	▼
Non-ferrous metals	▽	▼
Other metals	▼	▼
Application		
Heavy	▼	▽
Standard	▼	▼
Light	▽	▽
Dimensions		
Diameter	Ø 100–178 mm	Ø 100–178 mm

- ▼ Main application
- ▽ Secondary application

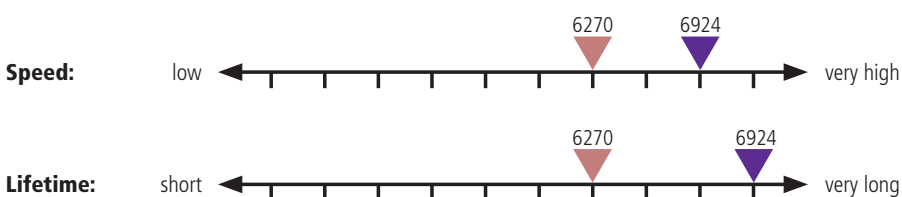
Further products available on www.sia-abrasives.com

3 in 1
sia Abrasives SCM discs have a modular construction. You can use all discs with 3 different mounting options.



Version A Version B Version C

The right product for your application





Tip:

For best finish and product lifetime reduce the angle grinder speed to $\frac{2}{3}$ (approx. 7500 rpm).



Accessories

	Turbo Pad II Backing pad for fibre discs	Turbo Pad I Backing pad for fibre discs	Standard backing pad for fibre discs
			
Hardness	Extra hard	Hard	Medium hard
Flexibility	●	●●	●●●
Features	145–240 grooves*	24–36 ribs*	n/a
Recommended for grits	16; 24; 36; 40; 50 36+; 60+	36; 40; 50; 60 60+; 80+	60; 80; 100; 120; 150 80+; 120+
Sizes	115–180 mm	115–180 mm	100–180 mm
Application	<ul style="list-style-type: none"> • Heavy stock removal • Large weld removal 	<ul style="list-style-type: none"> • Stock removal and general grinding • Removing moderate welds, smoothing and blending of flaws 	<ul style="list-style-type: none"> • Universal sanding and finishing • Removing small welds, smoothing and blending of flaws
Advantages	<ul style="list-style-type: none"> • Most aggressive grinding due to a heavy duty and ribbed design • Multi-groove construction maximises contact pressure between the disc and the work piece • Angled surface provides a more ergonomic grinding position • Long lifetime due to special thermostable plastic • X-LOCK available for 115 mm and 125 mm 	<ul style="list-style-type: none"> • Ribs help increase contact pressure and aid airflow between the disc and the backing pad • Long lifetime due to special thermostable plastic • X-LOCK available for 115 mm and 125 mm 	<ul style="list-style-type: none"> • Semi-flexibility edge for precision finishing • Long lifetime due to special thermostable plastic • X-LOCK available for 115 mm and 125 mm

* depending on disc diameter

* depending on disc diameter

SCM backing pads

Diameter	Connection	Hardness	Order number
Ø 100 mm	M10	Medium hard	0020.7623.01
Ø 115 mm	M14	Medium hard	0020.0348.02
Ø 115 mm	X-LOCK	Medium hard	0020.9560.01
Ø 125 mm	M14	Medium hard	0020.0350.01
Ø 125 mm	5/8"	Medium hard	0020.0431.01
Ø 125 mm	X-LOCK	Medium hard	0020.9561.01
Ø 180 mm	M14	Medium hard	0020.0352.01
Ø 180 mm	5/8"	Medium hard	0020.0432.01

Turbo backing pads

Diameter	Connection	Hardness	Order number
Ø 115 mm	M14	Hard	0020.3716.01
Ø 115 mm	X-LOCK	Hard	0020.9562.01
Ø 125 mm	M14	Hard	0020.3717.01
Ø 125 mm	5/8"	Hard	0020.3718.01
Ø 125 mm	X-LOCK	Hard	0020.9563.01
Ø 180 mm	M14	Hard	0020.3719.01
Ø 180 mm	5/8"	Hard	0020.3720.01

Turbo backing pads II

Diameter	Connection	Hardness	Order number
Ø 115 mm	M14	Extra hard	0020.8414.01
Ø 115 mm	5/8"	Extra hard	0020.8418.01
Ø 115 mm	X-LOCK	Extra hard	0020.9564.01
Ø 125 mm	M14	Extra hard	0020.8415.01
Ø 125 mm	5/8"	Extra hard	0020.8419.01
Ø 125 mm	X-LOCK	Extra hard	0020.9565.01
Ø 180 mm	M14	Extra hard	0020.8417.01
Ø 180 mm	5/8"	Extra hard	0020.8420.01

SCM backing pads



Applications for angle grinders

- Designed to work in unison with our SCM disc range to give the perfect surface finish
- Available with or without centre pin for use with scrim backed SCM discs
- The centre pin maintains perfect disc positioning reducing vibration risk
- Without centre pin allows for flatter sanding applications
- Quick and simple disc changes are easily achieved due to the hook fastening system

Diameter	Connection	Centre pin	Order number
Ø 115 mm	M14	22 mm	0020.7617.02
Ø 115 mm	M14		0020.0396.03
Ø 115 mm	5/8"	22 mm	0020.7620.02
Ø 115 mm	X-LOCK	22 mm	0020.9566.01
Ø 125 mm	M14	22 mm	0020.7618.02
Ø 125 mm	5/8"	22 mm	0020.7621.02
Ø 125 mm	X-LOCK	22 mm	0020.9567.01
Ø 180 mm	M14	22 mm	0020.7619.02
Ø 180 mm	M14		0020.0428.02
Ø 180 mm	5/8"	22 mm	0020.7622.02

siafast backing pads for orbital sanders



siafast backing pad

Applications for orbital sanders

- Available in multiple densities for all suitable applications using orbital sanders
- The range includes pads with or without extraction holes

Diameter	Connection	Backing pad hardness	Order number
Ø 115 mm	5/16"	Medium hard	0020.0346.02
Ø 150 mm	5/16"	Hard	0020.0345.02

siafast backing pads for angle grinders



siafast backing pad

Applications for angle grinders

- The backing pads from the siafast range come with a pad of solid density and an M14 thread for use with angle grinders

Diameter	Connection	Backing pad hardness	Order number
Ø 115 mm	M10	Hard	0020.0347.03
Ø 115 mm	M14	Medium hard	0020.0172.02
Ø 115 mm	5/8"	Medium hard	0020.0180.02
Ø 125 mm	M14	Medium hard	0020.0174.02
Ø 125 mm	5/8"	Medium hard	0020.0181.02
Ø 150 mm	M14	Medium hard	0020.0175.02
Ø 150 mm	5/8"	Medium hard	0020.0182.02
Ø 180 mm	M14	Medium hard	0020.0176.02
Ø 180 mm	5/8"	Medium hard	0020.0183.02

siafix backing pads and accessories



Applications for mini angle grinders

- Available with R-type attachment
- Sizes from 25–75 mm, with hardness density from medium to hard
- The hard backing pad has grooves to increase the contact pressure and therefore achieve higher stock removal
- All pads have a standard M6 thread and come with a 6 mm (¼") spindle adaptor
- An M14 adaptor is also available separately for use with a standard angle grinder

Adaptor		Order number	
M14		0020.8081.01	
Diameter	Connection	Hardness	
Ø 25 mm	Type: R-type (attachment with plastic external thread)	Medium hard	0020.8064.01
Ø 50 mm	Type: R-type (attachment with plastic external thread)	Medium hard	0020.8066.01
Ø 50 mm	Type: R-type (attachment with plastic external thread)	Hard	0020.8068.01
Ø 75 mm	Type: R-type (attachment with plastic external thread)	Medium hard	0020.8069.01
Ø 75 mm	Type: R-type (attachment with plastic external thread)	Hard	0020.8071.01

Expanding drum holders



Applications for die grinders

- Expanding rubber drums with integrated spindle
- High quality rubber holders are designed to offer the best possible grip and maximise output from each expanding drum used
- Includes all the necessary sizes to support the entire sia expanding drum range.

Diameter	Order number
Ø 10 x 20 mm, shaft diameter: 6 mm	0020.3308.01
Ø 13 x 25 mm, shaft diameter: 6 mm	0020.3309.01
Ø 15 x 30 mm, shaft diameter: 6 mm	0020.3310.01
Ø 19 x 25 mm, shaft diameter: 6 mm	0020.3311.01
Ø 22 x 20 mm, shaft diameter: 6 mm	0020.3314.01
Ø 25 x 25 mm, shaft diameter: 6 mm	0020.3304.01
Ø 30 x 20 mm, shaft diameter: 6 mm	0020.3317.01
Ø 30 x 30 mm, shaft diameter: 6 mm	0020.3305.01
Ø 38 x 25 mm, shaft diameter: 6 mm	0020.3312.01
Ø 45 x 30 mm, shaft diameter: 6 mm	0020.3306.01
Ø 51 x 25 mm, shaft diameter: 6 mm	0020.3315.01
Ø 60 x 30 mm, shaft diameter: 6 mm	0020.3307.01
Ø 75 x 30 mm, shaft diameter: 8 mm	0020.3313.01



Product search

Materials				Conversion forms						Application steps												
Non-alloy / low-alloy steels	High-alloy steels	Non-ferrous metals	Other metals	Rolls	Strips	Discs	Flap discs	Flap wheel	Belts	Cutting	Sanding/smoothing welds	Deburring	Removal of rust and paint	Weld preparation	Sanding down	Removing discolouration	Surface treatment	Blending of flaws	Structuring	Finishing		

1815 siatop	▼	▼	▼	▼	▼	▼	▼				▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	
1950 siaspeed	▼		▼	▼	▼	▼							▼			▼	▼	▼	▼	▼	
2511 siabite		▼		▼	▼	▼			▼		▼	▼		▼	▼	▼	▼	▼	▼	▼	
2546 siabite jj	▼	▼	▼	▼	▼	▼			▼			▼		▼	▼	▼	▼	▼	▼	▼	
2582 siaramic	▼	▼	▼	▼	▼	▼			▼		▼	▼		▼	▼	▼	▼	▼	▼	▼	
2820 siamet	▼		▼	▼	▼	▼			▼		▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	
2824 siaflap	▼			▼	▼	▼	▼		▼		▼	▼		▼	▼	▼	▼	▼	▼	▼	
2915 siarol	▼	▼	▼	▼	▼	▼						▼	▼			▼	▼	▼	▼	▼	
2923 sialoX	▼		▼					▼	▼			▼	▼	▼	▼	▼	▼	▼	▼	▼	
2925 sialoX	▼		▼		▼	▼	▼		▼		▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	
2946 siatur jj	▼		▼		▼	▼	▼		▼			▼				▼	▼	▼	▼	▼	▼
2948 siatur jj		▼		▼	▼				▼			▼				▼	▼	▼	▼	▼	▼
2988 siamop	▼	▼	▼	▼	▼		▼				▼	▼	▼		▼	▼	▼	▼	▼	▼	▼
4560 siabite	▼	▼		▼			▼				▼	▼		▼	▼	▼	▼	▼	▼	▼	
4570 siabite X	▼	▼		▼			▼				▼	▼		▼	▼	▼	▼	▼	▼	▼	
4581 siaramic	▼	▼				▼					▼	▼		▼	▼	▼	▼	▼	▼	▼	
4582 siaramic	▼	▼	▼	▼		▼					▼	▼		▼	▼	▼	▼	▼	▼	▼	
4700 siaral 8		▼	▼			▼					▼	▼		▼	▼	▼	▼	▼	▼	▼	
4815 siacut	▼	▼		▼			▼				▼	▼		▼	▼	▼	▼	▼	▼	▼	
4819 siaron 8	▼		▼			▼					▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	
4961 sialoX	▼		▼			▼					▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	
6120 siafleece	▼	▼	▼		▼	▼	▼		▼				▼						▼	▼	▼
6130 siafleece hd	▼	▼	▼	▼	▼			▼								▼	▼	▼	▼	▼	▼
6140 siafleece sd	▼	▼	▼	▼	▼		▼		▼			▼	▼			▼	▼	▼	▼	▼	▼
6240 Ultraflex	▼	▼	▼	▼	▼				▼			▼	▼			▼	▼	▼	▼	▼	▼
6270 siamet SCM LS	▼	▼	▼	▼	▼		▼		▼			▼	▼			▼	▼	▼	▼	▼	▼
6300 siastrip	▼					▼	▼					▼									
6924 siamet SCM HD	▼	▼	▼	▼			▼					▼	▼		▼	▼	▼	▼	▼	▼	▼
8913 siacut	▼	▼				▼					▼										
8933 siagrind	▼					▼						▼		▼							

▼ Main application
 ▽ Secondary application

Application				Backing							
Portable machine sanding											
Manual sanding											
Stationary belt grinders											
Stationary machines											
				Fibre							
				Cloth flexible							
				Cloth rigid							
				Paper heavy							
				Nonwoven							
				Resin							
									Dry application		
									Wet sanding		



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Available in grit ranges:	Page:
Discs 24–150. Belts 40–400	30
40–600	30
36–120	32, 34, 37
60–400. Discs 60; 80; 120; 180; 240	30, 38
36+; 60+; 80+; 120+	37
36–400	32, 34
40; 60; 80; 120	27
40–400	41
40–240	35
24–400	32, 37
60–600	38
80–120; 180; 240–400; 600	38
60; 80; 120	36
36; 50–120	28
36+; 60+; 80+; 120	28
36+; 60+; 80+	28
36+; 60+; 80+; 120	28
24; 36; 60; 80; 120	29
24; 36; 50–150	29
24–120	29
16–120	29
Extra cut – ultra fine	35, 40, 41
Coarse; medium; fine; very fine	36
Coarse; medium; fine; very fine	33
Coarse; medium; fine; very fine	39
Extra coarse; coarse; medium; very fine	39, 42
Extra coarse	31
Extra coarse; coarse; medium	33, 42
30–60	26
20/24	26

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