General Fabrication

Grinding solutions for metal professionals
Abrasives for real Specialists
Global partner
Developed and manufactured using Swiss technology and represented in over 80 countries: sia Abrasives markets complete abrasive systems for all kinds of surfaces with its 1,300 employees worldwide.

World’s most modern abrasives plant
Setting the pace for the next generations of abrasives: Innovative abrasives are manufactured “just in time” using a modularised production process in the highly innovative Maker 5 plant.

Production expertise
The technology leader is setting new standards with the world’s most state-of-the-art abrasives production plant, the Maker 5.

Visit us online:
- Product search
- Clearly arranged comparison of products
- Accessible anytime from anywhere

www.sia-abrasives.com
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.

Types of abrasives

Over 60,000 abrasive products in a variety of abrasive formats, sizes and specifications for all materials, applications and requirements.

Coated abrasives
- Classical coated abrasives and abrasive systems
- For advanced surface treatment of all types of material

Nonwoven abrasives
- Nonwoven products for preparation and cleaning tasks and for structuring
- Especially for use on metal

Foam abrasives
- Foam sanding pads in the widest possible range of shapes and grades
- For precision treatment of wood, fillers, paints and lacquers
Grinding Solutions
System Solution

Paint preparation
Mild Steel

The sia-
Standard
For everyday work.

Maximum Lifetime
When product lifetime really counts!

Maximum Speed
When the job needs to be finished fast!

1 Weld Removal

4560 siabite
Ceramic Fibre Disc
Grit: # 36
Angle grinder
11,000 rpm recommended*
Turbo I Fibre Disc
Backing Pad

Weld Removal Surface Refinement

6270 siamet SCM LS
SCM Disc
Grit: coarse
Angle grinder
7,500 rpm recommended*
SCM Backing Pad

2 Surface Refinement

1 Weld Removal

2824 siaflap
Zirconia Flap Disc
Grit: # 40
Angle grinder
11,000 rpm recommended*

6924 siamet HD
SCM Disc
Grit: coarse
Angle grinder
7,500 rpm recommended*
SCM Backing Pad

2 Surface Refinement

1 Weld Removal

4570 siabite X
Ceramic Fibre Disc
Grit: # 36+
Angle grinder
11,000 rpm recommended*
Turbo II Fibre Disc
Backing Pad

6924 siamet HD
SCM Disc
Grit: extra coarse
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 Final Finishing**

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

1815 siatop
siafast Disc
Grit: # 80
D/A sander
full speed recommended
siafast Backing Pad

Up to **40%** quicker
Compared to traditional 4-step approach

1815 siatop
siafast Disc
Grit: # 80
D/A sander
full speed recommended
siafast Backing Pad

Up to **6X** longer lifetime
Compared to sia-Standard process

2546 siabite
siafast Disc
Grit: # 80
D/A sander
full speed recommended
siafast Backing Pad

Up to **70%** faster
Compared to traditional 4-step approach
System Solution
2K Finish
Stainless Steel

The sia-Standard
For everyday work.

Maximum Speed
When the job needs to be finished fast!

1 Weld Removal
4560 siabite
Ceramic Fibre Disc
Grit: # 80
Angle grinder
7,500 rpm recommended*
Standard Fibre Disc
Backing Pad

2 Surface Refinement
6270 siamet SCM LS
Disc
Grit: medium
Angle grinder
7,500 rpm recommended*
SCM Backing Pad

1 Weld Removal
4570 siabite X
Ceramic Fibre Disc
Grit: # 80+
Angle grinder
7,500 rpm recommended*
Standard Fibre Disc
Backing Pad

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.
Compared with average traditional process steps

Up to **-10%** material costs

**Pre-finishing**

6130 siamop interleaved
Sanding wheel
Grit: fine A/180
Burnishing machine
full speed recommended*

**Final-finishing**

6120 siafleece
Pad
Grit: medium S

Up to **20%** time savings

**Pre-finishing**

6130 siamop interleaved
Sanding wheel
Grit: fine A/180
Burnishing machine
full speed recommended*

**Final-finishing**

6120 siafleece
Pad
Grit: extra cut S

Compared to sia-standard process
Best Practise

**Rust Removal**

Conventional SCM disc

**SCM Disc**  
115 mm  
# extra coarse  
SCM disc can 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  
Fibre glass backed disc.
siastrip disc –
For a fast and efficient cleaning process

Test conditions:
Material: Mild steel sheet
Area: 250 x 300mm
Application: Angle grinder, 1,500 W
Speed: 11,000 rpm

Needed time: 8 min 8 sec
Result: discs glaze very quickly
Consumption: 6 discs used

Needed time: 9 min 10 sec
Result: discs load very quickly
Consumption: 6 discs used

Needed time: 3 min 7 sec
Result: fast surface cleaning, no glazing, no loading
Consumption: 1 disc used

Up to 3x faster
and more efficient cleaning process*

* Compared to alternative products above
Industry approved Road Tanker Manufacturer

1 Weld removal
2824 siaflap
Flap disc
125 mm
Grit: # 80

2 Cleaning weld spatter
2511 siabite
Ceramic belt
75 x 2,000 mm
Grit: # 50

3 Refinement
6270 siamet SCM LS
SCM disc
115 mm
Grit: medium

Industry approved Tank Manufacturer

1 Weld removal
4570 siabite X
Fibre Disc
115 mm
Grit: # 80+

2 Weld refinement
6270 siamet SCM LS
SCM Disc
115 mm
Grit: coarse

3 Refinement
2511 siabite
Sander sleeves
100 x 283 mm
Grit: # 120
Customer
A large manufacturer of stainless steel 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 workpiece surface
• Surface refinement to a pre-polish finish
• Originally 6-steps were required to complete the job

4 Pre-finish
6270 siamet SCM LS
SCM belt
50 x 420 mm
Grit: coarse

5 Finish
6270 siamet SCM LS
SCM belt
50 x 420 mm
Grit: medium

save 48hrs operator time*

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

4 Final blending
6270 siamet SCM LS
Sander sleeves
100 x 289 mm
Grit: medium

save 30% grinding time*

* 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. **Weld refinement**
   - 6270 siamet SCM LS
     - SCM Disc
     - 115 mm
     - Grit: coarse

3. **Pre-graining**
   - 2803 siaron
     - Zirc Sander Sleeves
     - 100 x 283 mm
     - Grit: # 120

---

Industry approved Passenger Train Maintenance

1. **Removal**
   - of old paint, smoothing of sharp metal edges
   - 2824 siaflap
     - siafix Flap Discs
     - 50 mm
     - Grit: # 40

2. **Keying**
   - of metal surface prior to paint preparation
   - 1950 siaspeed
     - Coated Abrasives 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

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

save 33% grinding time*

save 10% abrasive cost*

save 200 hrs operator time*

* Compared to previous process; per year
Products
## Angle grinder

<table>
<thead>
<tr>
<th>Product Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cutting and grinding discs</td>
</tr>
<tr>
<td>Flap discs</td>
</tr>
<tr>
<td>Fibre discs</td>
</tr>
<tr>
<td>SCM discs</td>
</tr>
<tr>
<td>siastrip discs</td>
</tr>
</tbody>
</table>

## D/A orbital sander

<table>
<thead>
<tr>
<th>Product Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>siafast discs</td>
</tr>
</tbody>
</table>

## Pistol grinder, die grinder, burnishing machine

<table>
<thead>
<tr>
<th>Product Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>siafix quick change system</td>
</tr>
<tr>
<td>Spiralbands</td>
</tr>
<tr>
<td>Spindle mounted flap wheels</td>
</tr>
<tr>
<td>Sanding wheels</td>
</tr>
</tbody>
</table>

## Belt machines

<table>
<thead>
<tr>
<th>Product Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belts – Heavy backing</td>
</tr>
<tr>
<td>Belts – Flexible backing</td>
</tr>
<tr>
<td>Belts – SCM</td>
</tr>
</tbody>
</table>

## Hand sanding

<table>
<thead>
<tr>
<th>Product Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nonwoven hand pads</td>
</tr>
<tr>
<td>Nonwoven rolls</td>
</tr>
<tr>
<td>Coated rolls</td>
</tr>
</tbody>
</table>

## Accessories

<table>
<thead>
<tr>
<th>Product Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>Backing pads</td>
</tr>
<tr>
<td>Mounting systems</td>
</tr>
</tbody>
</table>
# Cutting and Grinding Discs

<table>
<thead>
<tr>
<th>Bonded abrasives</th>
<th>8913 siacut</th>
<th>8933 siagrind</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Best for</strong></td>
<td>General cutting</td>
<td>Heavy grinding</td>
</tr>
</tbody>
</table>
| **Advantages**   | • Designed for stainless and/or mild steel applications  
• Excellent price/ performance ratio | • Designed for stainless and/or mild steel applications  
• Long lifetime  
• Excellent price/ performance ratio |
| **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-duty | ▼ | ▼ |
| Standard | ▼ | ▼ |
| Light | ▼ | ▼ |
| **Dimensions** | | |
| Diameter | Ø 76 – 230 mm | Ø 100 – 230 mm |
| Thickness | 1.0 – 3.0 mm | 6.0 mm |
| Variant | T41  
T42 | 127 |
| **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

## The right product for your application

**Speed:**
- **8913**  
- **8933**  
- Very high

**Lifetime:**
- **8913**  
- **8933**  
- Very long
## Flap Discs

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

### Coated Abrasives

<table>
<thead>
<tr>
<th>2824 siaflap Jumbo</th>
<th>2824 siaflap Standard</th>
<th>2824 siaflap Eco</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Flap Disc" /></td>
<td><img src="image" alt="Flap Disc" /></td>
<td><img src="image" alt="Flap Disc" /></td>
</tr>
</tbody>
</table>

### Best for
- **Longest life**
- **General grinding**
- **Low cost**

### Advantages
- Thicker construction
- Uniform cutting speed
- Extremely long lifetime
- Good removal rate
- Consistent surface quality
- Long lifetime
- Economic & universal
- Optimised cloth backing
- Good removal rate

### Product profile

<table>
<thead>
<tr>
<th>Grind type</th>
<th>Zirconia alumina</th>
<th>Zirconia alumina</th>
<th>Zirconia alumina</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grit range</td>
<td>40; 60; 80</td>
<td>40; 60; 80; 120</td>
<td>40; 60; 80</td>
</tr>
<tr>
<td>Grit type</td>
<td>Zirconia alumina</td>
<td>Zirconia alumina</td>
<td>Zirconia alumina</td>
</tr>
<tr>
<td>Backing</td>
<td>x-wt cloth</td>
<td>x-wt cloth</td>
<td>x-wt cloth</td>
</tr>
<tr>
<td>Coating</td>
<td>Active Additives</td>
<td>Active Additives</td>
<td>Active Additives</td>
</tr>
</tbody>
</table>

### Materials

| Non-alloy / low-alloy / mild steels | ▼ |
| High alloy steel / stainless steel | ▼ |
| Non-ferrous metals               | ▼ |
| Other metals                     | ▼ |

#### Application
- Heavy
- Standard
- Light

#### Dimensions

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Ø 115 – 125 mm</th>
<th>Ø 115 – 180 mm</th>
<th>Ø 115 – 125 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variant</td>
<td>T29 Angled, Fibre Glass</td>
<td>T27 Flat, Fibre Glass, Plastic</td>
<td>T29 Angled, Fibre Glass</td>
</tr>
</tbody>
</table>

▼ Main application
▼ Secondary application

Further products available on www.sia-abrasives.com

---

### The right product for your application

#### Speed:
- Eco
- Standard
- Jumbo
- Very high

#### Lifetime:
- Eco
- Standard
- Jumbo
- Very long

---

### Expert tip:

**Longer lifetime**

Flap discs offer a more comfortable grinding experience than bonded discs, as well as offering longer lifetime than fibre discs. This makes them an ideal choice when product lifetime is of primary importance.
# Fibre Discs

<table>
<thead>
<tr>
<th><strong>Best for</strong></th>
<th><strong>Applications</strong></th>
<th><strong>Advantages</strong></th>
<th><strong>Product profile</strong></th>
<th><strong>Materials</strong></th>
<th><strong>Application</strong></th>
<th><strong>Dimensions</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Simply the coolest grinding with new X-Technology</td>
<td>• Weld removal</td>
<td>• Cool grinding</td>
<td>Ceramic aluminium oxide</td>
<td>Non-alloy / low-alloy / mild steels</td>
<td>Heavy-duty</td>
<td>Ø 100 – 180 mm</td>
</tr>
<tr>
<td>A premium allrounder</td>
<td>• Weld preparation</td>
<td>• Long lifetime</td>
<td>Ceramic aluminium oxide</td>
<td>High alloy steel / stainless steel</td>
<td>Standard</td>
<td>Ø 115 – 180 mm</td>
</tr>
<tr>
<td>Stainless steel fine sanding</td>
<td>• Removing discoulration</td>
<td>• Consistent cutting performance</td>
<td>Zirconia alumina</td>
<td>Non-ferrous metals</td>
<td>Light</td>
<td>Ø 100 – 180 mm</td>
</tr>
<tr>
<td>General grinding</td>
<td>• Sanding down</td>
<td>• Fine surface finish</td>
<td>Zirconia alumina</td>
<td>Other metals</td>
<td></td>
<td>Ø 100 – 180 mm</td>
</tr>
<tr>
<td>Light applications</td>
<td>• Deburring</td>
<td>• High performance – total stock removal</td>
<td>Aluminium oxide</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Applications**
  - Weld removal
  - Weld preparation
  - Removing discoulration
  - Sanding down
  - Deburring

- **Advantages**
  - Cool grinding
  - Long lifetime
  - Consistent cutting performance
  - Fine surface finish
  - High performance – total stock removal
  - Firm fibre backing
  - Reduced discoulration
  - Aggressive cut
  - Firm fibre backing
  - Reduced discoulration
  - High removal rate
  - Long lifetime
  - Versatile
  - Firm fibre backing
  - Versatile all-round product
  - Excellent price/performance ratio

- **Product profile**
  - Grit type: Ceramic aluminium oxide, Ceramic aluminium oxide, Zirconia alumina, Zirconia alumina, Aluminium oxide
  - Grit range: 36+; 60+; 80+; 120+, 36; 50 – 120, 24; 36; 50 – 150, 24; 36 – 120, 16; 24; 36 – 120
  - Backing: Fibre, Fibre, Fibre, Fibre, Fibre
  - Coating: X-Technology, Cooling top coat, Cooling top coat, Active additives, Active additives

- **Materials**
  - Non-alloy / low-alloy / mild steels: ▼
  - High alloy steel / stainless steel: ▼
  - Non-ferrous metals: ▼
  - Other metals: ▼

- **Application**
  - Heavy-duty: ▼
  - Standard: ▼
  - Light: ▼

- **Dimensions**
  - Diameter: Ø 100 – 180 mm, Ø 115 – 180 mm, Ø 100 – 180 mm, Ø 100 – 180 mm, Ø 100 – 180 mm

---

### The right product for your application

- **Speed:**
  - Low: 4961, 4815, 4560, 4570
  - Very high: 4961, 4815, 4560, 4570

- **Lifetime:**
  - Short: 4961, 4815, 4560, 4570
  - Very long: 4961, 4815, 4560, 4570

---

**Expert tip:**

**Turbo-Pad II**

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 heat resistant thermostable plastic. A perfect match for coarse fibre discs when maximum stock removal is a must!

Further products available on www.sia-abrasives.com
SCM Discs

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

<table>
<thead>
<tr>
<th>Nonwoven Abrasives</th>
<th>6924 siamet hd</th>
<th>6270 siamet SCM LS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Best for</td>
<td>Quick cut</td>
<td>Long lifetime</td>
</tr>
</tbody>
</table>
| Advantages         | • Highest aggressiveness  
                    | • Excellent performance on metal materials  
                    | • Fastest stock removal  
                    | • Long lifetime  
                    | • Consistent surface finish  
                    | • Good edge stability  |
| Product profile    | Grit type       | Grit range        |
|                    | Aluminium oxide | Blue-fired aluminium oxide |
|                    | Grit range      | coarse – very fine |
|                    | extra coarse – medium |
| 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 115 – 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

Expert tip:
For best finish and product lifetime reduce the angle grinder speed to 1/2 (approx. 7,500 rpm).
siastrip Discs

<table>
<thead>
<tr>
<th>Nonwoven Abrasives</th>
<th>6300 siastrip</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Best for</strong></td>
<td>Rust removal</td>
</tr>
</tbody>
</table>
| **Advantages**     | • 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 & Stone   | ▼ |
| **Application**    |              |
| Heavy              |              |
| Standard           | ▼ |
| Light              | ▼ |
| **Dimensions**     |              |
| Diameter           | T27: Ø 100, 115, 125 mm  
                                 on special request: Ø 100, 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. 5,500 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.
## Coated Abrasives

<table>
<thead>
<tr>
<th></th>
<th>2546 siabite</th>
<th>1815 siatop</th>
<th>1950 siaspeed</th>
<th>7500 sianet CER</th>
<th>6120 siafleece</th>
</tr>
</thead>
<tbody>
<tr>
<td>Best for</td>
<td>Contour applications</td>
<td>Light stock removal</td>
<td>Aluminium finishing</td>
<td>Longest lifetime on Aluminium</td>
<td>Fine finishing</td>
</tr>
<tr>
<td>Advantages</td>
<td>• Very flexible backing – ideal for contours</td>
<td>• High edge stability</td>
<td>• Ceramic content in coarse grits</td>
<td>• Aggressive ceramic grain for fast sanding</td>
<td>• Very flexible</td>
</tr>
</tbody>
</table>

## Product profile

<table>
<thead>
<tr>
<th>Grit type</th>
<th>Ceramic aluminium oxide</th>
<th>Zirconia alumina</th>
<th>Aluminium oxide / ceramic</th>
<th>Ceramic aluminium oxide</th>
<th>Aluminium oxide / Silicon Carbide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grit range</td>
<td>60 – 240</td>
<td>24 – 150</td>
<td>40 – 600</td>
<td>80 – 400</td>
<td>coarse – ultra fine S</td>
</tr>
<tr>
<td>Backing</td>
<td>jj-wt cloth</td>
<td>Fibre / f-wt paper</td>
<td>c-wt paper</td>
<td>Net</td>
<td>Nonwoven</td>
</tr>
<tr>
<td>Coating</td>
<td>Cooling top coat</td>
<td>Active additives</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Materials</td>
<td>Non-alloy / low-alloy / mild steels</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
</tr>
<tr>
<td>High alloy steel / stainless steel</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
</tr>
<tr>
<td>Non-ferrous metals</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
</tr>
<tr>
<td>Other metals</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
</tr>
<tr>
<td>Application</td>
<td>Heavy</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
</tr>
<tr>
<td>Standard</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
</tr>
<tr>
<td>Light</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Diameter</td>
<td>Ø 115 – 180 mm</td>
<td>Ø 115 – 180 mm</td>
<td>Ø 125 – 150 mm</td>
<td>Ø 125 – 150 mm</td>
</tr>
</tbody>
</table>

▼ Main application  
▼ Secondary application

Further products available on www.sia-abrasives.com
siafix
Quick Change System

Coated Abrasives | 2511 siabite | 2803 siaron y | 2820 siamet | 2925 siaLoX | 2707 siawat
--- | --- | --- | --- | --- | ---
Best for | Fastest stock removal | General stainless steel applications | General grinding and finishing on multiple metals | Fine finishing | Titanium
Advantages | • Long lifetime | • Reduce discolouration | • High edge stability, high tear resistance | • High edge stability, high tear resistance | • Versatile
• Aggressive cut | • Excellent performance and lifetime | • High performance | • For general use | • Ideal for glass, plastics, composites
• Heat-reduced cutting | • High removal rate with low pressure | | | |
Product profile
Grit type | Ceramic aluminium oxide | Zirconia alumina | Zirconia alumina | Aluminium oxide | Silicon Carbide
Grit range | 36 – 120 | 36 – 180 | 36 – 320 | 24 – 320 | 60 – 320
Backing | y-wt cloth | x-wt cloth | y-wt cloth | x-wt cloth | x-wt cloth
Coating | Cooling top coat | Cooling top coat | 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 20 – 75 mm | Ø 25 – 75 mm | Ø 20 – 75 mm | Ø 20 – 75 mm | Ø 20 – 75 mm
▼ Main application
▼ Secondary application

The right product for your application

<table>
<thead>
<tr>
<th>Speed:</th>
<th>low</th>
<th>2925</th>
<th>2707</th>
<th>2803</th>
<th>2820</th>
<th>2511</th>
<th>very high</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lifetime:</td>
<td>short</td>
<td>2707</td>
<td>2925</td>
<td>2803</td>
<td>2820</td>
<td>2511</td>
<td>very long</td>
</tr>
<tr>
<td>Finish:</td>
<td>medium</td>
<td>2511</td>
<td>2803</td>
<td>2820</td>
<td>2925</td>
<td>2707</td>
<td>very good</td>
</tr>
</tbody>
</table>

Expert tip: 2-step solution
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
<table>
<thead>
<tr>
<th>Nonwoven Abrasives</th>
<th>6924 siamet hd</th>
<th>6270 siamet SCM LS</th>
<th>6140 siafleece sd</th>
<th>6300 siastrip</th>
</tr>
</thead>
<tbody>
<tr>
<td>Best for</td>
<td>Quick cut</td>
<td>Long lifetime</td>
<td>Aluminium finishing</td>
<td>Rust removal</td>
</tr>
</tbody>
</table>
| Advantages         | • Major time-saving  
• More resistant on edges  
• Low smearing tendency  | • Long lifetime  
• Excellent surface quality  | • Consistent sanding pattern and long lifetime  
• High tear resistance  
• Low clogging  | • No clogging  
• Excellent performance and lifetime  |
| Product profile    |                 |                   |                    |                |
| Grit type          | Aluminium oxide | Blue-fired aluminium oxide | Aluminium oxide | Silicon Carbide |
| Grit range         | extra coarse – medium | coarse – superfine | coarse – 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 20 – 75 mm | Ø 20 – 75 mm | Ø 20 – 75 mm | Ø 50 – 75 mm |

▼ Main application  
▽ Secondary application

The right product for your application

**Speed:**  
- low: 6300 6140 6270 6924  
- very high:  

**Lifetime:**  
- short: 6270 6300 6140 6924  
- very long:  

**Finish:**  
- medium: 6300 6924 6270 6140  
- very good:  

Further products available on www.sia-abrasives.com
# Spiral belts

## Coated Abrasives

<table>
<thead>
<tr>
<th></th>
<th>2511 siabite</th>
<th>2820 siamet</th>
<th>2923 sialoX</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Best for</strong></td>
<td>Fastest stock removal</td>
<td>General grinding and finishing on multiple metals</td>
<td>Fine finishing</td>
</tr>
</tbody>
</table>
| **Advantages** | • Up to 200% more stock removal than Alox  
  • Up to 15% longer lifetime than competition equivalent  
  • Cool grinding  
  • Excellent price performance ratio | • Up to 70% more stock removal than Alox  
  • Effective on both mild steel and stainless steel | • Good surface quality  
  • Most economical product for mild steel applications |
| **Product profile** | Ceramic alumina oxide | Zirconia alumina | Aluminium oxide |
| **Grit type**   | 36; 60; 80; 120 | 36 – 150 | 50; 80; 150 |
| **Grit range**  | x-wt cloth | x-wt cloth | x-wt cloth |
| **Backings**    | Cooling top coat | Active additives | -- |
| **Coating**     | Active additives | -- | -- |
| **Non-alloy / low-alloy / mild steels** | ▼ | ▼ | ▼ |
| **Materials**   | ▼ | ▼ | ▼ |
| **High alloy steel / stainless steel** | ▼ | ▼ | ▼ |
| **Non-ferrous metals** | ▼ | ▼ | ▼ |
| **Other metals** | ▼ | ▼ | ▼ |
| **Application** | Heavy | ▼ | ▼ |
| **Standard**    | ▼ | ▼ | ▼ |
| **Light**       | ▼ | ▼ | ▼ |
| **Dimensions**  | Ø 15 – 75 mm | Ø 10 – 60 mm | Ø 10 – 75 mm |
| **Diameter**    | 20 – 30 mm | 20 – 30 mm | 20 – 30 mm |

▼ Main application  
▼ Secondary application

Further products available on www.sia-abrasives.com

## Applications
- Deburring
- Finishing
- Blending of flaws

## The right product for your application

**Speed:**
- Low: 2923
- Very high: 2511

**Lifetime:**
- Short: 2923
- Very long: 2511
Spindle-Mounted Flap Wheels

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

### Nonwoven Abrasives

<table>
<thead>
<tr>
<th></th>
<th>2923 siamop</th>
<th>6120 siamop Interleaved</th>
<th>6120 siamop Nonwoven</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Best for</strong></td>
<td>Fastest stock removal</td>
<td>Blending applications</td>
<td>Fine finishing</td>
</tr>
</tbody>
</table>
| **Advantages**    | • Wide range of applications  
                    • Highly flexible  
                    • Versatile  
                    • Fast stock removal | • Great for blending
                    • Higher conformability  
                    • Combined surface treatment and finishing
| **Product profile** | Aluminium oxide  
                    Grit type | Aluminium oxide  
                    Grit range | Aluminium oxide
                    Alumina oxide, Silicon Carbide  
                    Grit range |  
                    extra coarse A; coarse A; medium A; medium S; fine A; very fine A |
| **Materials**     | Non-alloy / low-alloy / mild steels | High alloy steel / stainless steel | Non-ferrous metals  
                    ▼ | ▼ | ▼ |
| **Application**   | Heavy | Standard  
                    ▼ | ▼ | ▼ |
| **Dimensions**    | Diameter  
                    Ø 20 – 80 mm | Ø 38 – 100 mm  
                    Width  
                    10 – 50 mm | Ø 38 – 100 mm  
                    Width  
                    10 – 50 mm |

▼ Main application  
▽ Secondary application

#### The right product for your application

**Speed:**  
- low  
- nonwoven  
- interleaved  
- coated  
- very high

**Lifetime:**  
- short  
- nonwoven  
- interleaved  
- coated  
- very long

**Finish:**  
- medium  
- coated  
- interleaved  
- nonwoven  
- very good

Further products available on www.sia-abrasives.com
# Sanding Wheels

<table>
<thead>
<tr>
<th>Nonwoven Abrasives</th>
<th>2923 siamop</th>
<th>6130 siamop Interleaved</th>
<th>6130 siamop Nonwoven</th>
</tr>
</thead>
<tbody>
<tr>
<td>Best for</td>
<td>Fastest stock removal</td>
<td>Blending</td>
<td>Fine finishing</td>
</tr>
<tr>
<td>Advantages</td>
<td>• Excellent surface quality</td>
<td>• Great for blending and finishing</td>
<td>• Perfect for fine finishing on stainless steel</td>
</tr>
<tr>
<td>• Long lifetime</td>
<td>• Ideal for regraining</td>
<td>• High conformability</td>
<td></td>
</tr>
<tr>
<td>Product profile</td>
<td>Aluminium oxide</td>
<td>Aluminium oxide</td>
<td>Aluminium oxide</td>
</tr>
<tr>
<td>Grit type</td>
<td>Aluminium oxide</td>
<td>Aluminium oxide</td>
<td>Aluminium oxide</td>
</tr>
<tr>
<td>Grit range</td>
<td>40; 60; 80; 120; 180; 240</td>
<td>coarse A/60*; medium A/120*; fine A/180*; very fine A/240*</td>
<td>coarse A; medium A; very fine A</td>
</tr>
<tr>
<td>Backing</td>
<td>x-wt cloth</td>
<td>x-wt cloth, nonwoven</td>
<td>Nonwoven</td>
</tr>
<tr>
<td>Materials</td>
<td>Non-alloy / low-alloy / mild steels</td>
<td>▼</td>
<td>▼</td>
</tr>
<tr>
<td>High alloy steel / stainless steel</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
</tr>
<tr>
<td>Non-ferrous metals</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
</tr>
<tr>
<td>Other metals</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
</tr>
<tr>
<td>Application</td>
<td>Heavy</td>
<td>▼</td>
<td>▼</td>
</tr>
<tr>
<td>Standard</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
</tr>
<tr>
<td>Light</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Diameter</td>
<td>100 mm</td>
<td>100 mm</td>
</tr>
<tr>
<td></td>
<td>Width</td>
<td>100 mm</td>
<td>100 mm</td>
</tr>
<tr>
<td></td>
<td>Centre bore</td>
<td>19 mm</td>
<td>19 mm</td>
</tr>
<tr>
<td>▼ Main application</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>▲ Secondary application</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Further products available on www.sia-abrasives.com

## The right product for your application

### Speed:
- low
- nonwoven
- interleaved
- coated
- very high

### Lifetime:
- short
- nonwoven
- interleaved
- coated
- very long

### Finish:
- medium
- coated
- interleaved
- nonwoven
- very good

### 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

### Coated Abrasives

<table>
<thead>
<tr>
<th>2511 siabite</th>
<th>2803 siaron</th>
<th>2820 siamet</th>
<th>2925 siaLoX</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Best for</strong></td>
<td>Fastest stock removal</td>
<td>General stainless steel applications</td>
<td>General grinding and finishing on multiple metals</td>
</tr>
</tbody>
</table>
| **Advantages** | • Long lifetime  
  • Heat-reduced cutting  
  • High-performance product | • Reduce discolouration  
  • High edge stability | • High performance for all metals  
  • Suitable for dry and wet grinding applications  
  • Aggressive cut | • For general use in dry and wet grinding applications |
| **Product profile** | Grit type: Ceramic aluminium oxide  
  Zirconia alumina  
  Zirconia alumina  
  Aluminium oxide | Grit range: 36 – 120  
  36 – 180  
  36 – 400  
  24 – 400 | Backing: x-wt cloth  
  x-wt cloth  
  x-wt cloth  
  x-wt cloth | Coating: Cooling top coat  
  Cooling top coat  
  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 | ▼ | ▼ | ▼ |

▼ Main application  
▼ Secondary application

Further products available on www.sia-abrasives.com

### The right product for your application

<table>
<thead>
<tr>
<th>Speed:</th>
<th>low</th>
<th>2925</th>
<th>2820</th>
<th>2511</th>
<th>very high</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lifetime:</td>
<td>short</td>
<td>2925</td>
<td>2820</td>
<td>2511</td>
<td>very long</td>
</tr>
<tr>
<td>Finish:</td>
<td>medium</td>
<td>2511</td>
<td>2820</td>
<td>2803</td>
<td>very good</td>
</tr>
<tr>
<td>Flexibility:</td>
<td>very rigid</td>
<td>2820</td>
<td>2820</td>
<td>2511</td>
<td>highly flexible</td>
</tr>
</tbody>
</table>

### Expert tip: 2-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

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 | • High stock removal  
• Reduce discolouration  
• Highly adaptable to contours | • Highly adaptable to contours  
• Excellent surface quality  
• Versatile | • Reduce discolouration  
• Highly adaptable to contours  
• Excellent price / performance ratio
Product profile | | | |
Grit type | Ceramic aluminium oxide | Aluminium oxide | Aluminium oxide
Grit range | 60 – 400 | 60 – 600 | 80 – 600
Backing | jj-wt cloth | jj-wt cloth | jj-wt cloth
Coating | Cooling top coat | Active additives | 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

The right product for your application

Speed: low  →  2946  |  2948  |  2546  →  very high
Lifetime: short  →  2946  |  2948  |  2546  →  very long
Finish: medium  →  2946  |  2948  |  2948  →  very good
Flexibility: very rigid  →  2546  |  2946  |  2948  →  highly flexible

Further products available on www.sia-abrasives.com
# Belts – SCM

## Nonwoven Abrasives

<table>
<thead>
<tr>
<th>6270 siamet SCM LS</th>
<th></th>
</tr>
</thead>
</table>

### Best for

- Long lifetime and fast cut

### Advantages

- Highly flexible
- Consistent surface quality
- Low clogging
- Long lifetime

### Product profile

<table>
<thead>
<tr>
<th>Grit type</th>
<th>Blue-Fired Aluminium oxide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grit range</td>
<td>coarse – very fine</td>
</tr>
<tr>
<td>Backing</td>
<td>Scrim</td>
</tr>
<tr>
<td>Coating</td>
<td>—</td>
</tr>
</tbody>
</table>

### Materials

- Non-alloy / low-alloy / mild steels
- High alloy steel / stainless steel
- Non-ferrous metals
- Other metals

### Application

- Heavy
- Standard
- Light

Further products available on www.sia-abrasives.com

---

## The right product for your application

### Speed:

- low
- 6270
- very high

### Lifetime:

- short
- 6270
- very long

---

# Applications

- Removing discolouration
- Refining coated belts scratches
- Surface treatment
- Blending of flaws
- Restructuring and regaining

---

Belt machines
Hand Sanding

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

6120 siafleece

<table>
<thead>
<tr>
<th>Extra cut S</th>
<th>Medium S</th>
<th>Ultra fine speed</th>
<th>General purpose</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>Best for</td>
<td>Fastest finish</td>
<td>Bright surface finish on stainless steel</td>
<td>Super fine finishing</td>
<td>All round use</td>
</tr>
<tr>
<td>Advantages</td>
<td>• Stiff product with high aggression&lt;br&gt;• Quick cut and long life&lt;br&gt;• Gives a satin finish on stainless steel&lt;br&gt;• Fast blending&lt;br&gt;• Gives a bright surface finish on stainless steel&lt;br&gt;• Great for cleaning mild steel&lt;br&gt;• High durability&lt;br&gt;• Flexible and conformable&lt;br&gt;• Ideal for buffing of paint and lacquer&lt;br&gt;• Extra surface grain for a clean cutting action&lt;br&gt;• Ideal all round product for multiple applications&lt;br&gt;• No abrasive grain so ideal for gentle cleaning of glass, ceramics, stainless steel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Product profile</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grit type</td>
<td>Silicon Carbide</td>
<td>Silicon Carbide</td>
<td>Silicon Carbide</td>
<td>Aluminium oxide</td>
</tr>
<tr>
<td>Grit size</td>
<td>80</td>
<td>120</td>
<td>600</td>
<td>320</td>
</tr>
<tr>
<td>Grit equivalent finish</td>
<td>220 – 280</td>
<td>320 – 360</td>
<td>1,000 – 1,200</td>
<td>600 – 800</td>
</tr>
<tr>
<td>Backing</td>
<td>Nonwoven</td>
<td>Nonwoven</td>
<td>Nonwoven</td>
<td>Nonwoven</td>
</tr>
<tr>
<td>Materials</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-alloy / low-alloy / mild steels</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
</tr>
<tr>
<td>High alloy steel / stainless steel</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
</tr>
<tr>
<td>Non-ferrous metals</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
</tr>
<tr>
<td>Other metals</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
</tr>
<tr>
<td>Application</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heavy</td>
<td>▼</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard</td>
<td>▼</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Light</td>
<td>▼</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hand pads only.</td>
<td>Various hand pads and rolls.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The right product for your application

Expert tip: Finishing
Fleece products are ideal for removing small scratches or discoloration from metal surfaces while still maintaining the original grained finish.
### The right product for your application

<table>
<thead>
<tr>
<th>Speed</th>
<th>low</th>
<th>medium</th>
<th>fine A</th>
<th>very fine A XS</th>
<th>very high</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lifetime</td>
<td>short</td>
<td>medium</td>
<td>fine A</td>
<td>very fine A XS</td>
<td>very long</td>
</tr>
<tr>
<td>Finish</td>
<td>medium</td>
<td>extra cut A</td>
<td>fine A</td>
<td>medium</td>
<td>very good</td>
</tr>
<tr>
<td>Flexibility</td>
<td>very rigid</td>
<td>extra cut A</td>
<td>medium</td>
<td>fine A</td>
<td>highly flexible</td>
</tr>
</tbody>
</table>

### Expert tip: Finishing

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

Further products available on www.sia-abrasives.com
## Accessories

<table>
<thead>
<tr>
<th>Turbo Pad II</th>
<th>Turbo Pad I</th>
<th>Standard Pad</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Backing pad for fibre discs</strong></td>
<td><strong>Backing pad for fibre discs</strong></td>
<td><strong>Backing pad for fibre discs</strong></td>
</tr>
<tr>
<td><strong>Hardness</strong></td>
<td>Extra hard</td>
<td>Hard</td>
</tr>
<tr>
<td><strong>Flexibility</strong></td>
<td>●</td>
<td>●●</td>
</tr>
<tr>
<td><strong>Features</strong></td>
<td>145 – 240 grooves*</td>
<td>24 – 36 ribs* + air holes</td>
</tr>
<tr>
<td><strong>Recommended for grits</strong></td>
<td># 16, 24, 36, 40, 50</td>
<td># 36, 40, 50, 60</td>
</tr>
<tr>
<td></td>
<td># 36+, 60+</td>
<td># 60+, 80+</td>
</tr>
<tr>
<td><strong>Sizes</strong></td>
<td>115 – 180 mm</td>
<td>115 – 180 mm</td>
</tr>
<tr>
<td><strong>Application</strong></td>
<td>• Heavy duty stock removal</td>
<td>• Stock removal and general grinding</td>
</tr>
<tr>
<td></td>
<td>• Large weld removal</td>
<td>• Medium weld removal and blending</td>
</tr>
<tr>
<td><strong>Advantages</strong></td>
<td>• Most aggressive grinding due to a heavy duty and ribbed design</td>
<td>• Air flowholes help to improve cooling</td>
</tr>
<tr>
<td></td>
<td>• Multi-groove construction maximises contact pressure between the disc and the work piece</td>
<td>• Ribs help increase contact pressure and aid airflow between the disc and the backing pad</td>
</tr>
<tr>
<td></td>
<td>• Angled surface provides a more ergonomic grinding position</td>
<td>• Long lifetime due to special thermostable plastic</td>
</tr>
</tbody>
</table>

* depending on disc diameter  

* depending on disc diameter
### siafix Backing Pads and Accessories

**Product details**
- Available with both R type and S type fittings
- Sizes from 20 – 75 mm, with hardness density from soft to hard
- Hard density pad includes a grooved construction to increase contact pressure making the abrasive discs work harder and improve stock removal rates
- 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

### Spiralband Holders

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

### Intermediate pad

**Product details**
- For use with sianet to improve the grip of the disc to micro hook backing pads
- Extend the life of backing pads by using the interface pad – especially beneficial for application which involve edge work
- Available in multiple hole patterns or without holes

### SCM Backing Pads

**Product details**
- 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

### siafast Backing Pads

**Product details**
- Available in multiple densities for all suitable applications using Dual Action sanders
- The range includes pads with or without extraction holes
- Available in sizes 125 mm – 150 mm
- The siafast pad range also includes a solid density pad with an M14 thread for use on Angle Grinders, available in sizes 115 mm – 180 mm; Perfect for use with 1815 siafast discs for light stock removal

---

Further products available on www.sia-abrasives.com
<table>
<thead>
<tr>
<th>Material</th>
<th>Conversion forms</th>
<th>Application steps</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-alloy/low-alloy steels</td>
<td>Rolls</td>
</tr>
<tr>
<td>Non-ferrous metals</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other metals</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rolls</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strips</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Discs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flap discs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flap wheel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Belts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cutting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grinding/Weld Removal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deburring</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Removal of rust and paint</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weld preparation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sanding down</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blending</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Structuring</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finish</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- ▼ Main application
- ▽ Secondary application

[Main application]

[Secondary application]
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
Grinding / Weld Removal
Deburring
Removal of rust and paint
Weld preparation
Sanding down
Removing discolouration
Surface treatment
Blending
Structuring
Finish

Application Backing

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

Available in grit ranges:

- Discs 24-150. Belts 40 – 400
- 40 – 600
- 36 – 120
- 60 – 400. Discs 60, 80, 120, 180, 240.
- 60 – 180
- 60 – 400
- 24 – 400
- 36 – 180
- 36 – 400
- 40, 60, 80, 120
- 40 – 400
- 40 – 240
- 24 – 400
- 60 – 600
- 80 – 120, 180, 240 – 400, 600
- 36, 50 – 120
- 36+, 60+, 80+ 120
- 24, 36, 50 – 150
- 24 – 120
- 16 – 120
- extra cut – ultra fine

coarse, medium, fine, very fine
coarse, medium, fine, very fine
extra coarse, coarse, medium, very fine
extra coarse
extra coarse, coarse, medium
40 – 400
30 – 60
20/24

Further products available on www.sia-abrasives.com