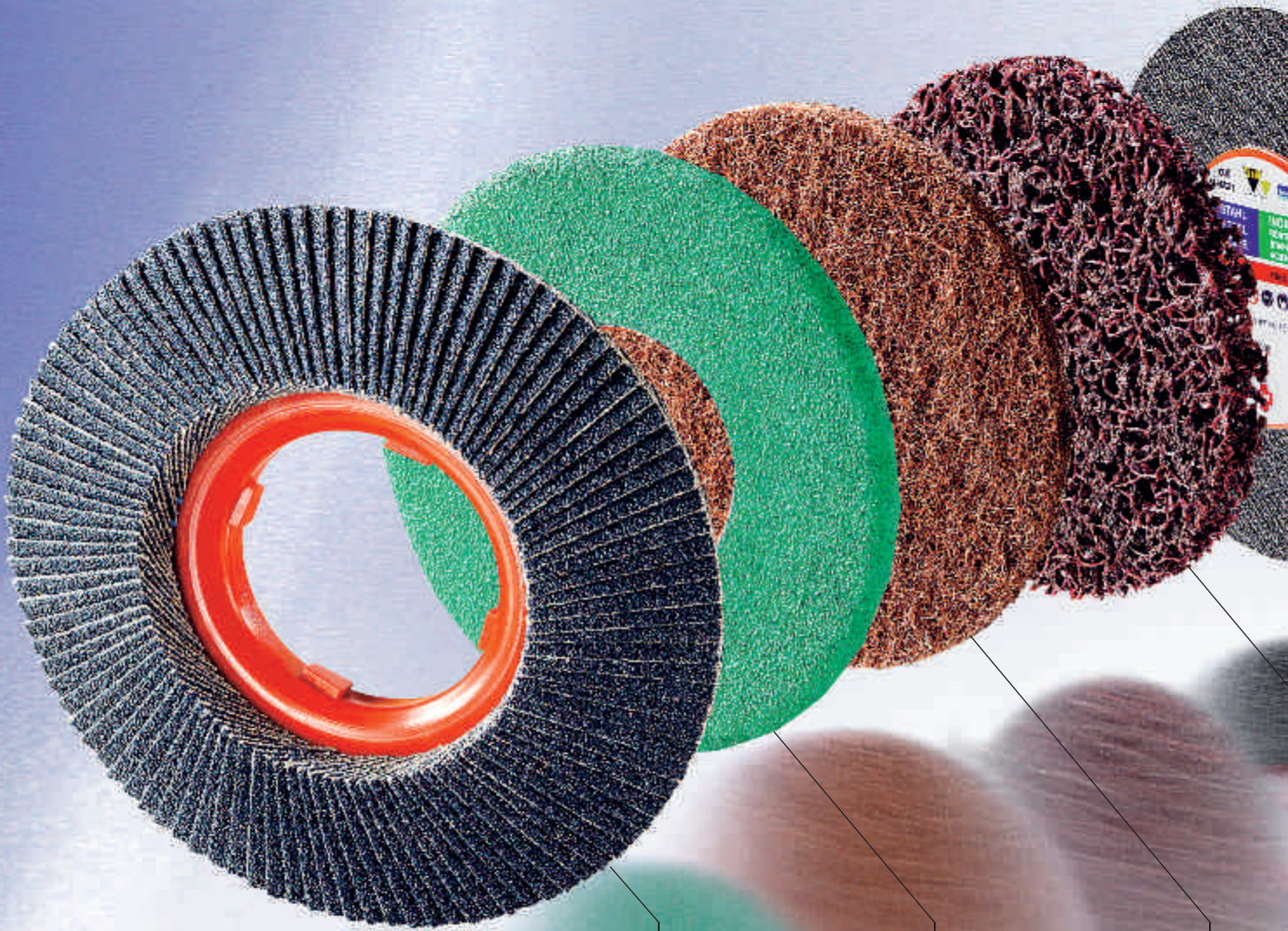


siastar® – the smart solution
for perfect metal surfaces



blue line



flap siastar®
page 6

form siastar®
page 7

vlies siastar®
page 8

coarse grinding	●	●	
deburring	●		
fine grinding		●	
structuring / satin finish			●
removal (rust / color)			●
cutting			



strip siastar®
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cut siastar®
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fibre siastar®
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belt siastar®
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wing siastar®
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The siastar® system



Angle grinders



Straight grinders

On your marks, get set, go!

The centrepiece of siastar® is the quick release adapter which fits any conventional angle and straight grinders.

The wide range of abrasives turns your grinder into a multi-functional all-rounder. Tool changes are a breeze and can be carried out in a matter of seconds without additional keys.

siastar® is indispensable to all users!

Your benefit

- Modular and quick
- Minimal conversion times for all types of grinding and sanding machine
- Saves time and money
- Tool change without additional key
- Simpler handling improves safety
- Specially developed for heavy-duty requirements on INOX
- Unrestricted use of tools, even on normal steel

And all of that at the standard of quality you expect from sia Abrasives!

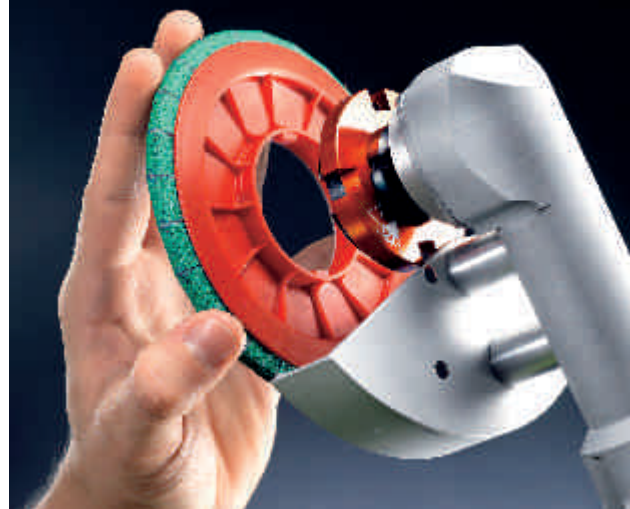
www.siastar.com



Range

Description	Order no.
Modul siastar® M14	T6315.0000.1
Modul siastar® 5/8"	T6316.0000.1

Ready,



Steady,



Go!





Your benefit

- Faster tool change
- Robot-compatible
- Very high removal rate
- Very long lifetime
- Cool cut for use on INOX
- Even grinding pattern through to complete wearout

Grit: Aluminium oxide / zirconia alumina
 Carriers: Plastic pad
 Backing: Cloth
 Grit range: K040 – K080



Recommendation of application

Rough grinding
Deburring
Dressing of welding seams
Preparation of welding joints
Smooth grinding of joints

Speed recommendation

Ø 115 mm (4 1/2")	7'500 – 10'500 rpm
Ø 125 mm (5")	7'000 – 10'000 rpm

Range

Ø mm	Grit range	Order no.
115 mm (4 1/2")	K040	T6317.0040.2
	K060	T6317.0060.2
	K080	T6317.0080.2
125 mm (5")	K040	T6318.0040.2
	K060	T6318.0060.2
	K080	T6318.0080.2

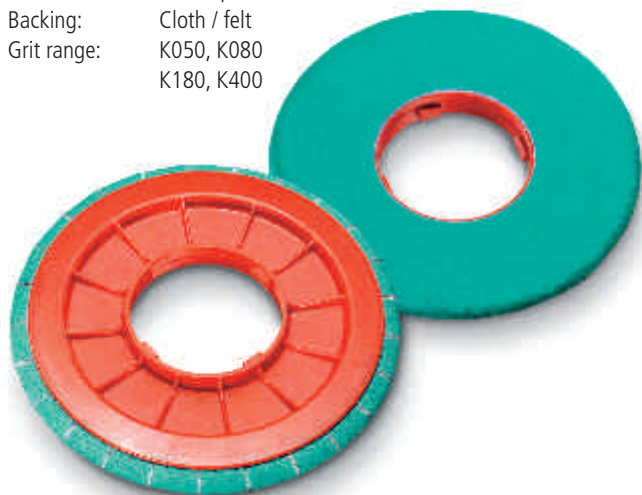
Please note the product-specific safety instructions



Your benefit

- Faster tool change
- Robot-compatible
- High removal rate
- Universal use
- Cool cut with highly active additives for use on INOX
- Design based on radii
- No change to tool geometry

Grit: Aluminium oxide / zirconia alumina
 Carriers: Plastic panel
 Backing: Cloth / felt
 Grit range: K050, K080
 K180, K400



Recommendation of application

Grinding of inner radii
Fine sanding
Smooth grinding of fillet weld

Speed recommendation

Ø 75 mm (3")	4'000 – 5'500 rpm
Ø 115 mm (4 1/2"), 125 mm (5")	3'000 – 4'500 rpm

Range

Ø	Radius	Grit range	Order no.
75 mm (3")	R4 mm (R 5/32")	K050	T6319.0050.3
		K080	T6319.0080.3
		K180	T6319.0180.3
		K400	T6319.0400.3
115 mm (4 1/2")	R2 mm (R 5/64")	K050	T6320.0050.2
		K080	T6320.0080.2
		K180	T6320.0180.2
		K400	T6320.0400.2
115 mm (4 1/2")	R4 mm (R 5/32")	K050	T6321.0050.2
		K080	T6321.0080.2
		K180	T6321.0180.2
		K400	T6321.0400.2
125 mm (5")	R2 mm (R 5/64")	K050	T6322.0050.2
		K080	T6322.0080.2
		K180	T6322.0180.2
		K400	T6322.0400.2
125 mm (5")	R4 mm (R 5/32")	K050	T6323.0050.2
		K080	T6323.0080.2
		K180	T6323.0180.2
		K400	T6323.0400.2

Please note the product-specific safety instructions



Your benefit

- Faster tool change
- Robot-compatible
- Low clogging
- No lubrication on INOX
- No change to work piece geometry
- Very flexible

Recommendation of application

Matting
Microfinishing of different metals
Structuring of metallic surfaces
Removing discolouration

Speed recommendation

Ø 115 mm (4 1/2")	3'000 – 4'000 rpm
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Range

Ø	Grit range	Order no.
115 mm	Medium S	T6324.4721.8
(4 1/2")	SD fine A	T6330.5911.8

Please note the product-specific safety instructions

Grit: Aluminium oxide / silicon carbide
 Carriers: Plastic ring
 Backing: 3D nonwoven fibre
 Grit range: Medium S
 SD fine A



strip siastar®



Your benefit

- Faster tool change
- Robot-compatible
- Very long lifetime
- Low clogging
- No lubrication on INOX
- No change to work piece geometry

Grit: Aluminium oxide
 Carriers: Plastic ring
 Backing: 3D nonwoven fibre



Recommendation of application

Rust removal
Cleaning
Removing discolouration
Structuring

Speed recommendation

Ø 115 mm (4 1/2")	3'000 – 4'000 rpm
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Range

Ø	Order no.
115 mm (4 1/2")	T6325.1924.8

Please note the product-specific safety instructions

fibrepad siastar® accessories

Ø 115 mm (4 1/2")	T6366.0000.1
Ø 125 mm (5")	T6366.0001.1

In combination with fibrepad siastar®, this product can also be used as a powerstrip for surface grinding





Your benefit

- Faster tool change
- Robot-compatible
- Cool cut for use on INOX
- High lateral stability
- Clean cutting with little burr formation
- Minimum material wastage

Grit: Aluminium oxide
 Carriers: Plastic ring
 Disc: glass-fibre reinforced



Recommendation of application

Cutting

Speed recommendation

Ø 115 mm (4 1/2")	9'500 – 13'300 rpm
Ø 125 mm (5")	9'000 – 12'250 rpm

Range

Ø	Thickness	Order no.
115 mm	1.0 mm (3/64")	T6359.0000.2
(4 1/2")	1.6 mm (1/16")	T6361.0000.2
125 mm	1.0 mm (3/64")	T6360.0000.2
(5")	1.6 mm (1/16")	T6362.0000.2

Please note the product-specific safety instructions



Your benefit

- Faster tool change
- Robot-compatible
- Very high removal rate
- Very long lifetime
- Cool cut with highly active additives for use on INOX

Grit: Zirconia alumina
 Carriers: Plastic ring
 Backing: Vulcanized fibre
 Grit range: K040, K060, K080, K120



Recommendation of application

Smoothing of welding seams
Flattening of spot weldings
Deburring and smooth grinding of joints

Speed recommendation

Ø 115 mm (4 1/2")	6'000 – 10'000 rpm
Ø 125 mm (5")	5'500 – 9'500 rpm

Range

Ø	Grit range	Order no.
115 mm (4 1/2")	K040	T6363.0040.6
	K060	T6363.0060.6
	K080	T6363.0080.6
	K120	T6363.0120.6
125 mm (5")	K040	T6364.0040.6
	K060	T6364.0060.6
	K080	T6364.0080.6
	K120	T6364.0120.6

Please note the product-specific safety instructions

fibrepad siastar® accessories

Ø 115 mm (4 1/2")	T6366.0000.1
Ø 125 mm (5")	T6366.0001.1

In combination with fibrepad siastar®, this product can also be used as a powerstrip for surface grinding





Your benefit

- Faster tool change
- Simple handling
- Low clogging
- Cool cut for use on INOX
- Reclosable belt joint
- Optimum adaptation to work piece

Grit: Silicon carbide / aluminium oxide
 Carriers: Cloth belt
 Backing: 3D nonwoven fibre / cloth
 Grit range: Medium S, P120



reclosable

Recommendation of application

Treatment of hard to get at stair areas
Treatment of hard to get at hand rails
Cleaning of tubes and shafts
Removing rust from tube and shafts
Satin finish of tubes and shafts

Speed recommendation

25 x 700 mm (1 x 27 1/2")	3'500 – 5'000 rpm
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Range

Series	Dimension	Grit range	Order no.
6120 siavlies	25 x 700 mm (1 x 27 1/2")	medium S	T6356.4721.2
2948 siatur j	25 x 700 mm (1 x 27 1/2")	P120	T6357.0120.3

Please note the product-specific safety instructions

beltwheel siastar® accessories

Ø 65 mm (2 3/5")
 Width 25 mm (1")

T6365.0000.1



wing siastar®



Your benefit

- Faster tool change
- Simple handling
- Robot-compatible
- Low clogging
- Universal use
- Cool cut for use on INOX

Grit: Aluminium oxide / zirconia alumina
 Carriers: Plastic button
 Backing: Cloth/felt
 Grit range: Medium, coarse, K080



Recommendation of application

Deburring of drilled holes
Deburring of tube ends
Internal tube treatment
Satin finish

Speed recommendation

Ø 30 mm, 50 mm, 70 mm	3'000 – 4'000 rpm
Ø (1 3/16"), (2"), (2 3/4")	

Range

Ø	Series	Grit range	Order no.
30 mm (1 3/16")	6250 scm	medium	T6349.4922.6
	6250 scm	coarse	T6349.2922.6
	2813 siacut	K080	T6346.0080.6
50 mm (2")	6250 scm	medium	T6350.4922.5
	6250 scm	coarse	T6350.2922.5
	2813 siacut	K080	T6347.0080.5
70 mm (2 3/4")	6250 scm	medium	T6351.4922.5
	6250 scm	coarse	T6351.2922.5
	2813 siacut	K080	T6348.0080.5

Please note the product-specific safety instructions

shaft siastar® accessories

Length 150 mm (6")

T6355.0000.1



siastar® angle grinder



Your benefit

- Machine optimized for siastar®
- Handy and powerful
- Hard to get at areas can be treated simply
- Unique extension with optimum energy transmission
- Very wide, infinitely variable speed Range
- Robust, professional quality machine with very long lifetime

Technical data

Classification:	Suhner UWG 8R
Performance:	1'000W
Speed range:	3'500 – 8'500 rpm
Max. disc diameter:	Ø 125 mm (5")
Extras:	with spindle lock



siastar® kit



Your benefit

- The entire siastar® system in a box always at your fingertips
- Can be enhanced for specific requirements
- Handy and practical when you're on the move
- Optimum protection of machine and tools

Parts list

Product	Dimension	Grit range	Quantity
siastar® modul	M14 or 5/8"		1 off
flap siastar®	Ø 125 mm Ø 5"	K40, 60, 80	1 off each
form siastar®	Ø 75 mm R4 Ø 3" R 5/32"	K50, 80, 180, 400	1 off each
	Ø 125 mm R2 Ø 5" R 5/64"	K50, 80, 180, 400	1 off each
	Ø 125 mm R4 Ø 5" R 5/32"	K50, 80, 180, 400	1 off each
vlies siastar®	Ø 115 mm Ø 4 1/2"	medium S, fine A	1 off each
strip siastar®	Ø 115 mm Ø 4 1/2"		1 off
wing siastar®	Ø 30 mm Ø 1 3/16"	medium, coarse, K80	3 off each
	Ø 50 mm Ø 2"	medium, coarse, K80	3 off each
	Ø 70 mm Ø 2 3/4"	medium, coarse, K80	3 off each
shaft siastar®			1 off
belt siastar®	25 x 700 mm 1 x 27 1/2"	P120, medium S	2 off each
beltwheel siastar®			1 off
cut siastar®	Ø 125 mm Ø 5"		1 off
fibre siastar®	Ø 125 mm Ø 5"	K40, 60, 80, 120	1 off each
fibrepad siastar®	Ø 125 mm Ø 5"		1 off
	Ø 115 mm Ø 4 1/2"		1 off
siastar® safety goggles			1 off
siastar® angle grinder			optional



Range

Description	Order no.
siastar® kit	T6314

Can be supplied with or without angle grinder

sia Abrasives – Your Key to a Perfect Surface

Headquartered in Frauenfeld, Switzerland, the sia Group ranks amongst the world's top three suppliers of innovative abrasive systems. It develops, manufactures and distributes complete abrasive systems, including custom-made systems for specific requirements and applications, for surface finishing on workpieces of all kinds. Our sanding and grinding expertise is genuine surface technology. The sia Group employs some 1,100 people around the world.



Coated Abrasives

Traditional coated abrasives and complete abrasive systems for conventional surface finishing on all types of materials.



Nonwoven Abrasives

Products for preparatory work, cleaning and shaping, usually without modifying the workpiece geometry.



Micro-Finishing

Products on special backing material to achieve constant finish results for the graphic, optical and metal industries.



Abrasive Foams

Abrasive foams of different shapes and hardness for the precise treatment of wood, filler, paints and lacquers.

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