

4.1 Lamellar flap discs

GRINDING AND POLISHING

(with flexible tools)

GRINDING AND POLISHING
(with flexible tools)

1–25

TECHNICAL INFORMATION

The most important product information at a glance

GENERAL

Our flexible grinding and polishing tools are made of high quality abrasive cloth and abrasive fleece. They consist of a flexible backing coated with abrasive grain.

- **Backings used:**
cloth, polyester, fleece, fibre
- **Grain types used:**
regular aluminium oxide (NK), silicon carbide (SiC),
zirconia alumina (ZK), ceramic (Ceramic)

Our flexible grinding and polishing tools are available in many different shapes and dimensions. Applications range from high chip removal through to achieving an extremely fine surface finish.

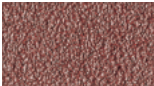
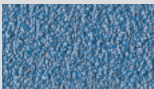
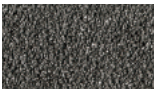
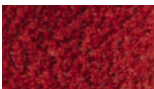
SAFETY ADVICE

Please note our recommended operating speeds. Pay attention to the safety and accident prevention regulations, including the FEPA safety recommendations, when using and storing flexible grinding and polishing tools. The tools are marked with the appropriate pictograms for correct usage.

APPLICATION RECOMMENDATIONS

At high speed, coarse grain produces a finer finish, while at low speed, a fine grain produces a coarser finish.

Do not apply too much pressure when using LUKAS grinding tools: excessive pressure does not improve the performance, and will instead result in premature wear. Even if the chip removal is unsatisfactory, you do not apply more pressure. Use a coarser grain instead to prevent unnecessary tool wear and effort. Using grinding additives can also improve efficiency.

Quality		Properties	Application areas/ machining
	A Semi-friable Aluminium oxide	very tough abrasive, high resilience	forged steel, malleable iron, grey cast iron, carbon steel, deep-drawn steel, steel band, zinc die castings, non-ferrous metals, wood
	ZK Zirconia alumina	exceptionally resilient grain with high pressure resistance	forged steel, metals that are difficult to machine and with extremely hard surfaces (overlay welding), titanium and titanium alloys, heat-resistant steel
	C/SiC Silicon carbide	minimum heat generation, special quality for the aerospace industry	aluminium and alloys, titanium materials, glass, ceramic, heat-resistant steel, plastic
	Cer Ceramic grain	excellent removal rate without grain shredding cool cutting	non-rusting steels, nickel alloys

QUALITY AND APPLICATIONS

The right abrasive for every application

LUKAS offers you the right abrasive for every job – tailored to your requirements and the materials you want to machine. The high quality abrasives from LUKAS are ideal for many industries, areas and requirements, and therefore offer you a very wide choice.

The overview below lists all abrasives for use with flexible grinding and polishing tools. Read through the properties and application areas for various workpiece materials to establish the most suitable abrasive grain type and tools to meet your requirements.

Quality	Properties	Application areas/ machining	available as	Page
	PG Reinforced abrasive cloth with ceramic grain	maximum removal rate and tool life thanks to self-sharpening ceramic grain	inox, steel, hardened/coated surfaces	Compact grinding disc 7
	Ceramic Abrasive cloth Ceramic grain	excellent removal rate without grain shredding, particularly stable thanks to reinforced backing, cool cutting	non-rusting steels, nickel alloys	SLTT lamellar disc 10
	ZK Abrasive cloth Zirconia alumina	exceptionally resilient grain with high pressure resistance	forged steel, metals that are difficult to machine and with extremely hard surfaces (overlay welding), titanium and titanium alloys,	SLTT lamellar disc V2 lamellar disc 11/14
	Z Power Abrasive cloth Zirconia alumina with active abrasive surface layer	excellent removal rate, with long tool life	stainless steel	V2 lamellar disc 14
	SIC Abrasive cloth Silicon carbide	minimum heat generation, special quality for the aerospace industry	aluminium and alloys, titanium materials, glass, ceramic, heat-resistant steel, plastic	V2 lamellar disc 15
	ZKS Abrasive cloth Zirconia alumina with active abrasive surface layer	with M-bonding on polyester backing for excellent removal rate with long tool life	forged steel, metals that are difficult to machine and with extremely hard surfaces (overlay welding), titanium and titanium alloys,	SLTFlex lamellar disc Standard lamellar disc 18 19-20
	SC Non-woven web Reinforced with cloth	A/O grain generates a satin-effect, can be used universally for dry and wet grinding	light deburring of stainless steel parts, finishing of stainless steel sheeting	SLTN Lamellar disc 21
	NK Abrasive fleece Regular aluminium oxide	polishing effect with the fibre structure, consistent results thanks to continuous exposure of new abrasive particles	chrome-nickel alloys and other non-rusting steels, zinc die castings, non-ferrous metals, wood	SLTV disc 22
	AS Polyamide fleece	impregnated with aggressive abrasive grain	removal of paint and adhesives, cement and concrete residue, derusting, cleaning and polishing a wide variety of surfaces,	ASVT disc 23
	SL Unitized material Silicon carbide	non-woven abrasive material compressed and impregnated with resin	polishing and blending stainless steels and non ferrous materials	SLTP disc 24

TECHNICAL INFORMATION

Qualities and areas of application

We have a range of abrasive rolls in proven qualities from the full spectrum of possibilities described here. These rolls can be purchased individually or used to be converted in belts or discs

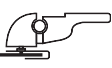
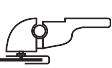
Quality recommendations apply for ideal operating conditions.



best suitable



suitable

Type	Page	Reference/ Qualities	Product line	Materials								
				●	●	●	●	●	●	●	●	●
				Inox/Stainless- Rust-, acid- and heat-resistant steel	General pur- pose Steel	Alloyed/ tempered steels	Tool steels	Aluminium, magnesium and copper alloys	Stone/ Construction material	Cast iron	Titanium and nickel alloys	Plastic/Wood
angle grinders Diameter 100–230 mm 	7	Purple grain single compact grinding disc	★★★									
	7	Purple Grain Multi compact grinding disc	★★★									
	10	SLTT Ceramic	★★★									
	11	SLTT ZK	★★★									
	14	V2 Power Inox	★★☆									
	14	V2 Power Steel	★★☆									
	15	V2 Power Alu	★★☆									
	18	SLTflex ZK	★☆☆									
	19	SLTO ZK	★★☆									
	19	SLTR ZK	★★☆									
	20	SLTR ZK Base-X	★☆☆									
Variable speed angle grinders Diameter 115-125 mm 	21	SLTN non-woven lamellar	★☆☆									
	22	SLTV NAWAROFLEX	★☆☆									
	23	ASVT	★☆☆									
	24	SLTP polishing disc	★☆☆									
	25	Felt polishing lamellar	★☆☆									

TECHNICAL INFORMATION AND PRODUCT INFORMATION

LUKAS lamellar flap discs – from coarse cutting through to surface finishing

GENERAL

We offer lamellar flap discs for practically every requirement. These tools are manufactured with a wide selection of backing materials (e.g. glass fabric, plastic, metal, as well as renewable raw materials) to suit every application. The large selection of available grit sizes covers coarse grinding applications (from grit size 36) through to finishing (grit size 240).

ERGONOMICS

Using lamellar flap discs brings clear advantages in terms of ergonomics compared to conventional grinding discs. Noise levels during grinding are halved and vibrations are also significantly reduced. The tools are also lighter so less pressure needs to be applied. These advantages create a healthy and fatigue-free working environment.

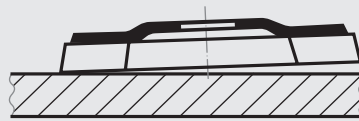
The lamellar flap discs are available in the diameters 100 mm (with 16 mm bore), 115 mm, 125 mm, 150 mm, 178 mm (22.23 mm bore) and 230 mm for use with commercially available angle grinders.

APPLICATION

You can choose between the flat or angled version depending on the job in hand.

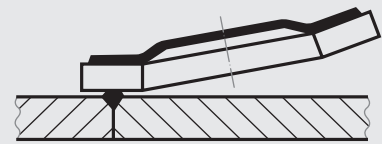
Application examples:

- deburring
- fettling
- derusting
- smoothening
- weld seam removal



Using the flat version

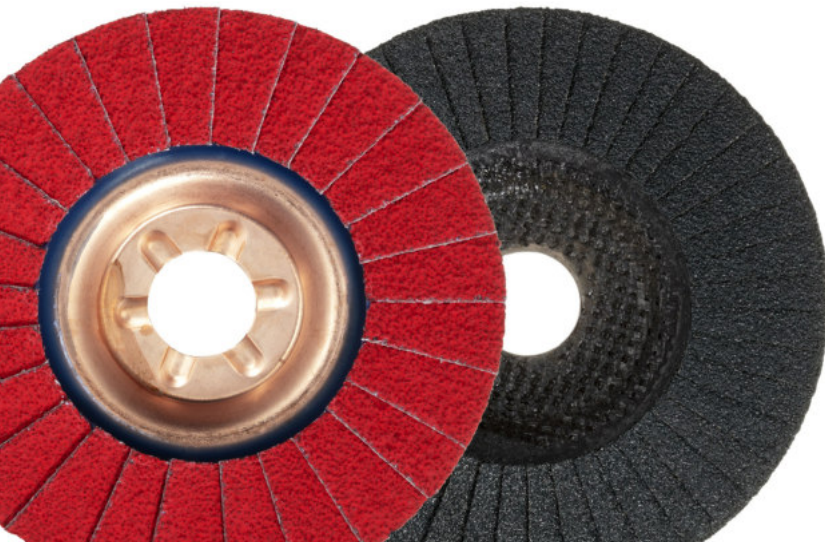
Use this version for grinding edges and flat surfaces with a working angle of 0 – 15°



Using the angled version

for spot grinding

e.g. a weld, with the ideal working angle of 15 – 25°



iQ SERIES FROM LUKAS

Developed for high-performance applications

Our high-performance tools are grouped together in our iQ series. Among them are the lamellar flap discs, which have a patented flap shape and arrangement for ultimate grinding performance.



Purple Grain

Powerful tools for heavy-duty applications

AGGRESSIVE. DURABLE. ERGONOMIC.

- high stability and durability
- integrated backing pad in recycled fibre
- even wearing without overheating, becoming brittle or shredding of the grain
- innovative ceramic grain: sharp to the end



innovative
Ceramic grain



operating
angle < 10°



no backing
pad required



low
vibration

WITH THE SELF-SHARPENING EFFECT

The self-sharpening ceramic grain ensures sustained cool grinding even at low grinding pressure. The tools retain their sharpness down to the last grain.

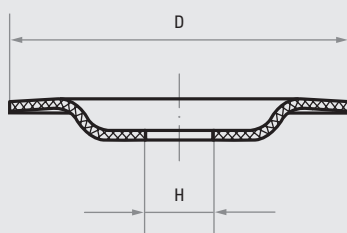


THE DYNAMIC ALL-ROUNDER WITH A LONG TOOL LIFE

PURPLE GRAIN SINGLE AND PURPLE GRAIN MULTI WITH THREE LAYERS



Even with a minimum effort, "Purple Grain Single" achieves stunning removal rates. The integrated backing pad made of eco-friendly recycled fibre assures high stability and durability. The innovative design provides for even wear without overheating, becoming brittle or shredding of the grain. The deep recess allows you to work at a flat angle. Thanks to its special tool geometry, the "Purple Grain Single" can also reach inaccessible areas, which offers more application possibilities than a conventional tool.



Purple Grain Single compact grinding disc



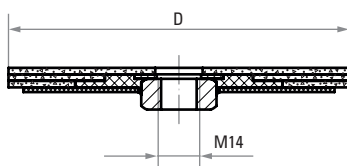
★★★

Product number	Description	Grit	D mm	H mm	n _{max} rpm	Pack contains
6DC115220369024	Purple Grain Single 115	Ceramic 36	115	22.23	13,300	1

Recommended for: ● Inox/Steel ● Steel ● Aluminium ● Titanium ● Cast material



With its unique multi-layer design, the powerful "Purple Grain Multi" achieves a maximum tool life. Wearing of the three grinding layers is controlled from start to finish, which is reflected in the tangible cost savings compared to conventional tools. The integrated M14 threaded holder ensures ultra-fast tool changing with no annoying clamping nuts. With its flat tool geometry, the "Purple Grain Multi" creates very good surface finishes, thus avoiding the need for reworking.



Purple Grain Multi compact grinding disc



★★★

Product number	Description	Grit	D mm	Thread	n _{max} rpm	Pack contains
6DC115140368024	Purple Grain Multi 115	Ceramic 36	115	M14	13,300	1

Recommended for: ● Inox/Steel ● Steel ● Aluminium ● Titanium ● Cast material



SLTT – FOR THE TOUGHEST GRINDING REQUIREMENTS

COMPARE THE EFFICIENCY AGAINST GRINDING DISCS
OR CONVENTIONAL LAMELLAR FLAP DISCS

70%

OF THE ABRASIVE MATERIAL IS
LOCATED ON THE OUTER AREA OF
THE BACKING PLATE

IMPROVED GRINDING PERFORMANCE
WITH ITS INNOVATIVE FLAP ARRANGEMENT

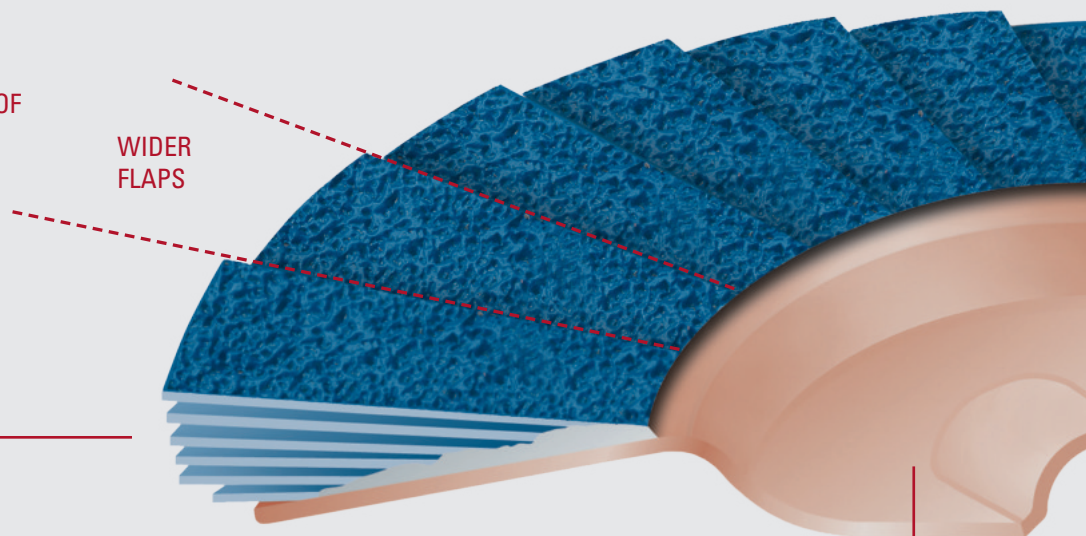
WIDER
FLAPS

UP TO

6

ABRASIVE LAYERS

ROBUST
STEEL BACKING PLATE



The efficient, high-performance SLTT lamellar flap discs from LUKAS are a better alternative to grinding discs and conventional lamellar flap discs.

Compared to grinding discs, the LUKAS patented flap shape and arrangement provides for 50 % lower noise levels, less vibration, faster operation, greater efficiency and better surface results. The flat orientation of the abrasive flaps not only makes for safer working, but also reduces tool wear.



Patented LUKAS flap shape and arrangement with more abrasive grains than the norm

A particularly large concentration of abrasive grain on the outer perimeter of these tools results in an exceptionally high stock removal rate per minute. Thanks to the multi-layer abrasive coating, these lamellar flap discs remain sharp throughout the tool life. As the flaps wear, the fresh abrasive coating of the flaps underneath is exposed. Consequently, they achieve a long tool life with consistent results.

PROPERTIES

- outstanding cutting performance
- exceptional tool life
- robust steel back plate
- low noise and vibration levels

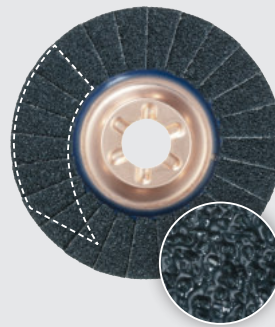
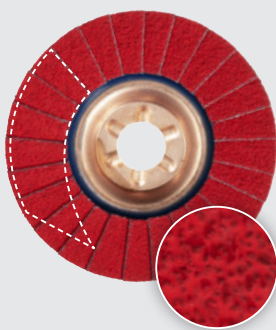
APPLICATION

Ideal for machining welds, deburring, derusting, fettling and smoothing. Thanks to its 22.23 mm bore, it fits onto all commonly used angle grinders.



GRINDING AND POLISHING
(with flexible tools)

THE TWO SLTT VERSIONS



Heavy Duty Ceramic abrasive cloth	Steel ZK abrasive cloth
<ul style="list-style-type: none"> ■ developed for the most demanding and toughest grinding applications ■ especially robust for edge grinding, quenched and tempered steels, scale surfaces or coated surfaces ■ free of iron, sulphur and chlorine 	<ul style="list-style-type: none"> ■ optimised for universal use on a wide variety of steels and aluminium ■ exceptionally tough grain and resistant to high pressure

POWER FOR METALWORKERS

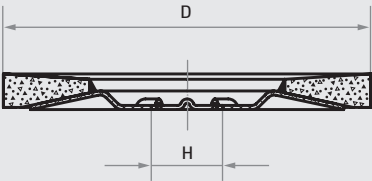
HIGHLY AGGRESSIVE AND DURABLE
FOR UNCOMPROMISING GRINDING

The SLTT mounted on an angle grinder is used when high stock removal is required. This lamellar flap disc displays its enduring removal performance in rounding off sharp edges and finishing weld seams and thermal cuts. With its powerful cutting performance, it ensures this kind of challenging work can be performed quickly and effortlessly.

LUKAS has developed this grinding tool for various industries: steel and vessel construction, shipyards and off-shore, machine and plant engineering, i.e. for any industry that removes a great deal of material from sheet metal and steel. The low force applied, the deep recess around the bore and the low noise and vibration levels when grinding makes for an easy application.

GRINDING AND POLISHING
(with flexible tools)

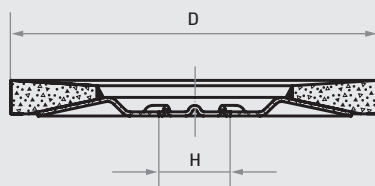
SLTT Heavy Duty lamellar flap discs



★★★

- developed for the most demanding and toughest grinding applications
- especially robust for edge grinding, quenched and tempered steels, scale surfaces or coated surfaces
- free of iron, sulphur and chlorine

Product number	Description	D mm	H mm	Grit	Abrasive	n _{max} rpm	Pack contains
6FL115040304524	115 SLTT Ceramic P40	115	22.23	40	Ceramic	13,300	10
6FL115060304524	115 SLTT Ceramic P60	115	22.23	60	Ceramic	13,300	10
Recommended for: ● Inox/Steel ● Steel ● Titanium ● Aluminium ● Cast material ● Plastic/Wood							

GRINDING AND POLISHING
(with flexible tools)

SLTT steel lamellar flap discs



★★★

- optimised for steel
- exceptionally tough grain and resistant to high pressure

Product number	Description	D mm	H mm	Grit	n_{max} rpm	Pack contains
6FL115040303024	115 SLTT ZK40	115	22.23	ZK 40	13,300	10
6FL115060303024	115 SLTT ZK60	115	22.23	ZK 60	13,300	10
6FL125040303024	125 SLTT ZK40	125	22.23	ZK 40	12,200	10
6FL125060303024	125 SLTT ZK60	125	22.23	ZK 60	12,200	10
6FL150040000024	150 SLTT ZK40	150	22.23	ZK 40	10,200	10
6FL178040303024	178 SLTT ZK40	178	22.23	ZK 40	8,500	10
6FL178060303024	178 SLTT ZK60	178	22.23	ZK 60	8,500	10

Recommended for: ● Inox/Steel ● Steel ● Aluminium ● Cast material ● Plastic/Wood ● Titanium



THE V2 POWER – FOR UNIVERSAL USE

EXPERIENCE THE EFFICIENCY COMPARED TO CONVENTIONAL LAMELLAR FLAP DISCS

70%

OF THE ABRASIVE MATERIAL IS
LOCATED ON THE OUTER AREA
OF THE BACKING PLATE

IMPROVED GRINDING PERFORMANCE
THANKS TO THE SPECIAL FLAP CONFIGURATION

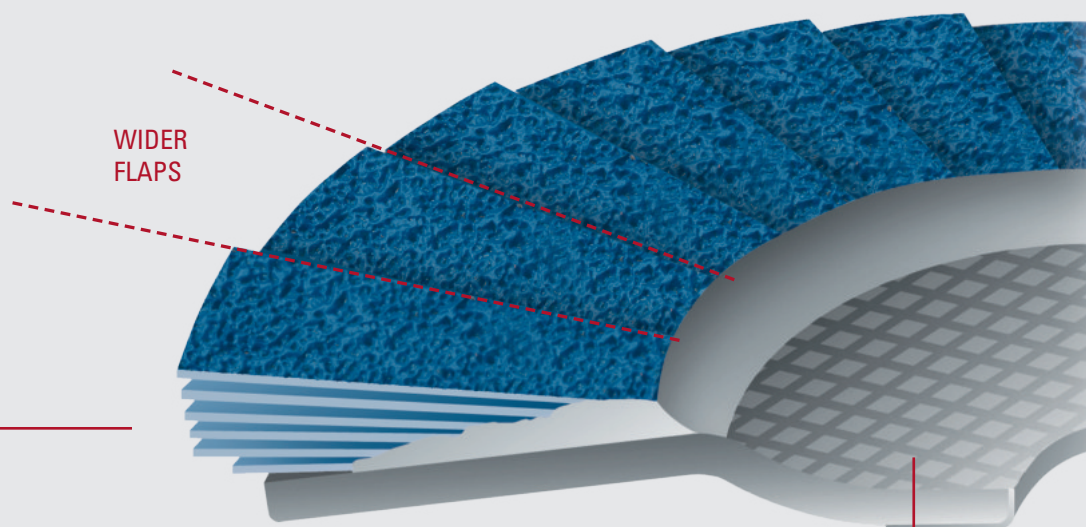
WIDER
FLAPS

UP TO

6

ABRASIVE LAYERS

GLASS FIBRE
BACKING PLATE



The efficient, high-performance LUKAS V2 Power lamellar flap discs with a glass fibre backing are a better alternative to grinding discs and conventional lamellar flap discs.



innovative patented LUKAS flap shape and arrangement
with more abrasive grains than usual

The flexibility, light weight and stability of the elastic glass fibre backing result in an exceptional surface finish. The high resistance to shredding and minimal vibration during operation, not to mention its easy handling, perfectly round off the characteristics of the V2 Power lamellar flap disc.

Compared to grinding discs, the LUKAS patented flap shape and arrangement gives 50% lower noise levels, less vibration, faster operation, greater efficiency and better surface results. The flat orientation of the abrasive flaps not only makes for safer working, but also reduces tool wear.

A particularly large concentration of abrasive grains on the outer perimeter results

in an exceptionally high stock removal rate per minute. Thanks to the multi-layer abrasive coating, these lamellar flap discs additionally remain sharp throughout the tool life. As the flaps wear, the fresh abrasive coating of the flaps underneath is exposed. Consequently, they achieve a long tool life with consistent results.

PROPERTIES

- exceptional grinding performance
- long tool life
- robust glass fibre backing

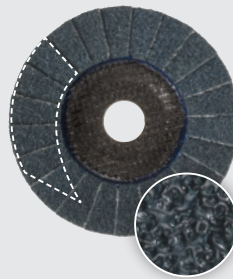
APPLICATION

Ideal for machining weld seams, deburring, derusting, fettling and smoothening.



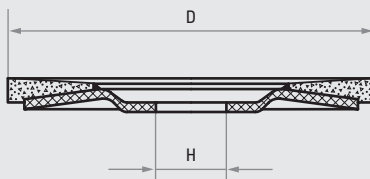
GRINDING AND POLISHING
(with flexible tools)

THE THREE V2 POWER VERSIONS



Inox Z Power abrasive cloth	Steel ZK abrasive cloth	ALU SIC abrasive cloth
<ul style="list-style-type: none"> ■ developed for grinding stainless steel ■ no glazing or heating of the flaps thanks to the active abrasive surface layer ■ equally efficient for edge and surface applications ■ free of iron, sulphur and chlorine 	<ul style="list-style-type: none"> ■ optimised for universal application on a wide variety of steels and aluminium ■ exceptionally tough grain and resistant to high pressure 	<ul style="list-style-type: none"> ■ particularly suitable for preparing welds and finishing aluminium ■ also ideal for fibre-reinforced materials such as CFRP and GFRP

V2 Power Inox lamellar flap disc



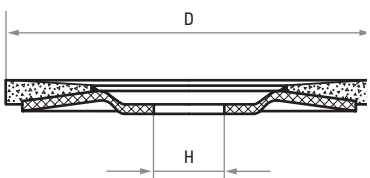
- optimised for grinding stainless steel
- no glazing or heating of the flaps
- equally efficient for edge and surface applications
- free of iron, sulphur and chlorine

★★★

Product number	Description	D mm	H mm	Grit	n _{max} rpm	Pack contains
6FL178040400024	V2 Power 178 ZK40	178	22.23	Z-Power 40	8,500	10
6FL178060400024	V2 Power 178 ZK60	178	22.23	Z-Power 60	8,500	10
6FL23040400024	V2 Power 230 ZK40	230	22.23	Z-Power 40	6,600	10

Recommended for: ● Inox/Steel ● Steel

V2 Power Steel lamellar flap disc

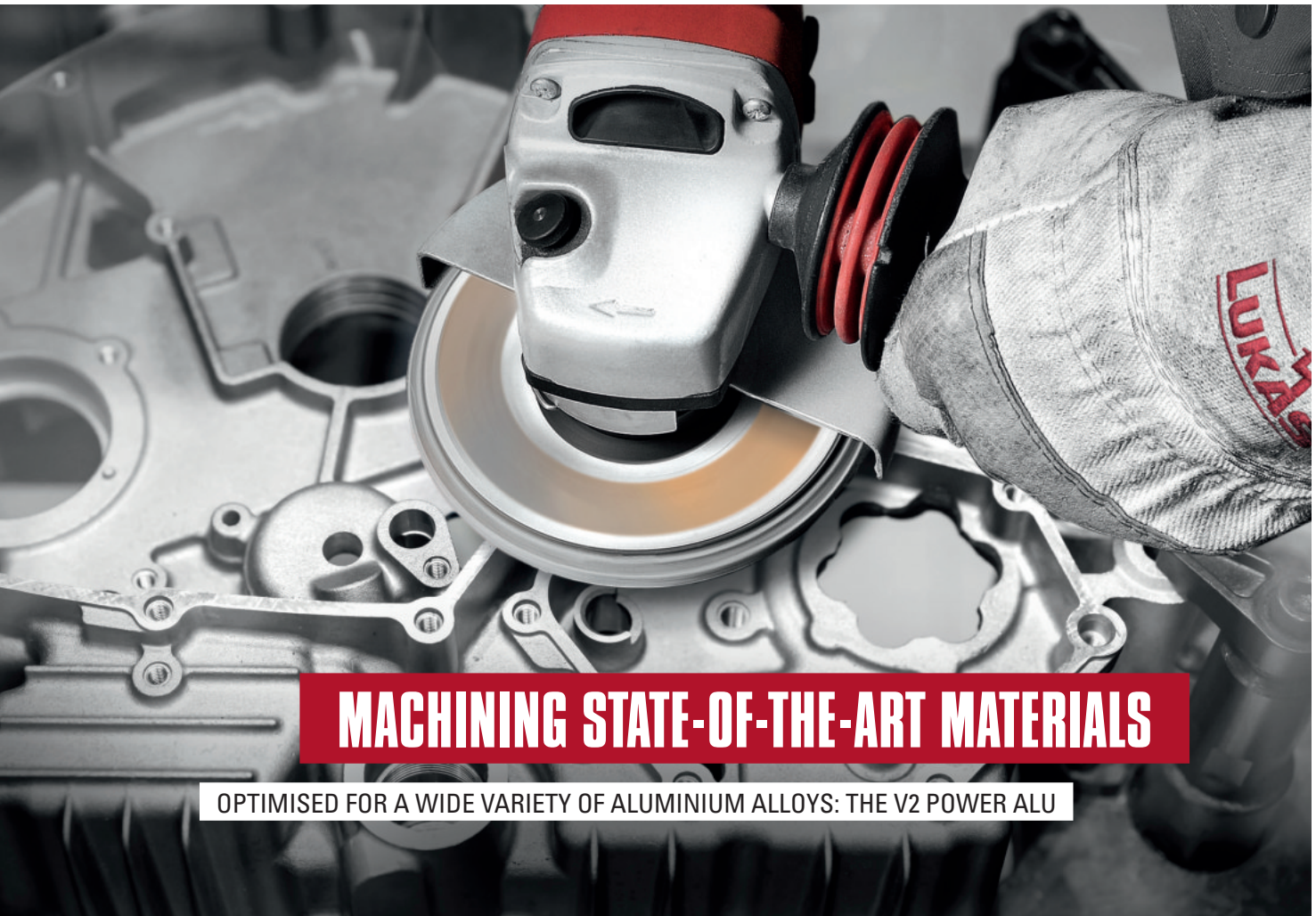


- ideally suited for universal use on steel
- exceptionally tough grain and resistant to high pressure

★★★

Product number	Description	D mm	H mm	Grit	n _{max} rpm	Pack contains
6FL115040405024	V2 Power 115 ZK40	115	22.23	Z-Power 40	13,300	10
6FL115060604524	V2 Power 115 ZK60	115	22.23	Z-Power 60	13,300	10
6FL125040405024	V2 Power 125 ZK40	125	22.23	Z-Power 40	12,200	10

Recommended for: ● Steel ● Inox/Steel ● Aluminium ● Cast material ● Plastic/Wood ● Titanium



MACHINING STATE-OF-THE-ART MATERIALS

OPTIMISED FOR A WIDE VARIETY OF ALUMINIUM ALLOYS: THE V2 POWER ALU

GRINDING AND POLISHING
(with flexible tools)

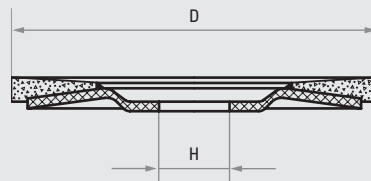


V2 Power Alu lamellar flap disc



★★★

- Silicon carbide (SiC) is ideally suited for the preparation and finishing of welds of various aluminium alloys.
- Silicon carbide (SiC) is also very suitable for machining modern materials such as CFRP and GFRP.



Product number	Description	D mm	H mm	Grit	n _{max} rpm	Pack contains
6FL115040600024	V2 Power 115 SIC 40	115	22.23	SIC 40	13,300	10
6FL178036600024	V2 Power 178 SIC 36	178	22.23	SIC 36	8,500	10

Recommended for: ● Aluminium ● Titanium ● Plastic/Wood

SLTflex – FOR MACHINING INACCESSIBLE AREAS

EXPERIENCE THE EFFICIENCY COMPARED TO FIBRE,
GRINDING OR CONVENTIONAL LAMELLAR FLAP STOCK DISCS



The flexible SLTflex flap discs from LUKAS for machining hard-to-reach areas are the improved alternative to grinding discs or conventional lamellar flap discs.

The small resin core of the backing plate and its practical M14 thread allows for a larger flap projection. This makes the disc flexible, it can adapt itself to uneven surfaces, and requires little effort in use. With its long tool life, it is ideally suitable for fillet weld grinding. There is no risk of the workpiece being damaged by the back plate.

Compared to grinding discs, the LUKAS patented flap shape and arrangement gives 50 % lower noise levels, less vibration, faster operation, greater efficiency and better surface results. The flat orientation of the abrasive flaps not only makes for safer working, but also reduces tool wear.

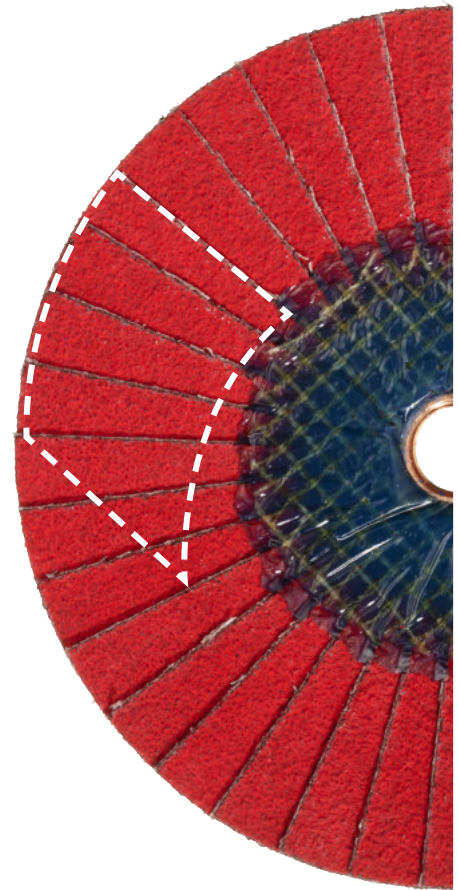
A particularly large concentration of abrasive grains on the outer perimeter results in an exceptionally high stock removal rate per minute. Thanks to the multi-layer abrasive coating, these lamellar flap discs remain sharp throughout the tool life. As the flaps wear, the fresh abrasive coating of the flaps underneath is exposed. Consequently, they achieve a long tool life with consistent results.

PROPERTIES

- high flexibility thanks to the wide flap projection
- exceptionally long tool life
- easy tool changing

APPLICATION

ideal for machining weld seams, deburring, derusting, fettling and smoothing

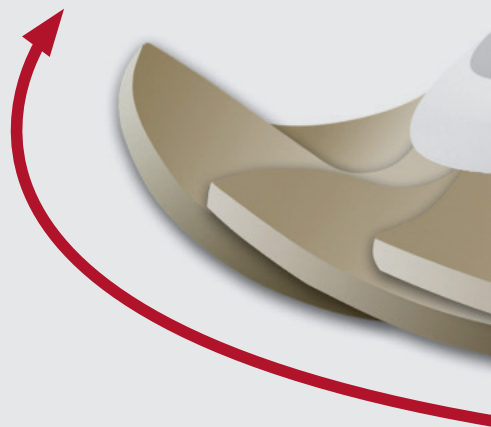
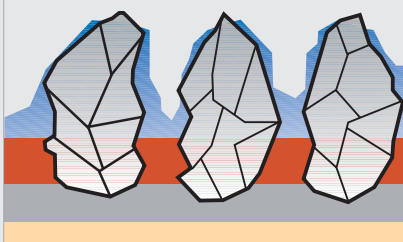


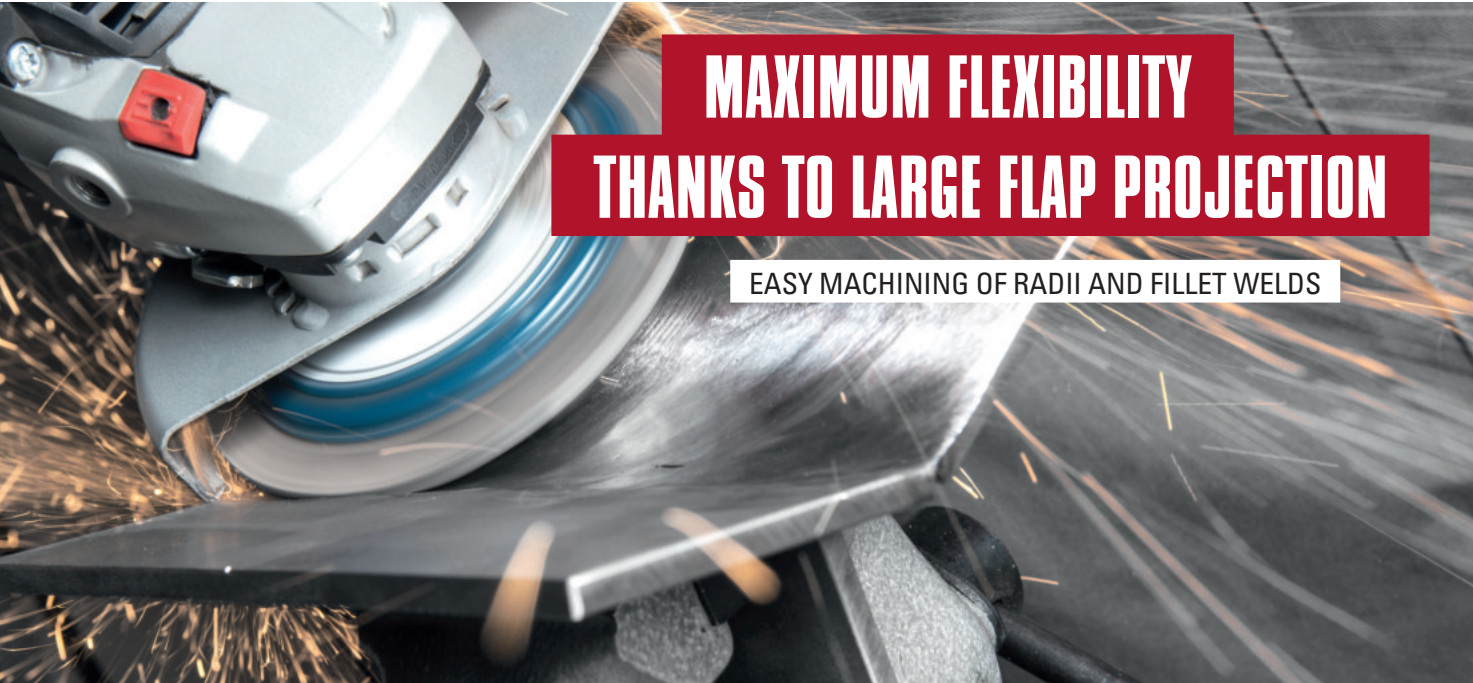
GRINDING AND POLISHING
(with flexible tools)

FLEXIBLE FLAP ARRANGEMENT

ABRASIVE CLOTH

Using high-performance abrasive cloth (with additional abrasive surface layer)



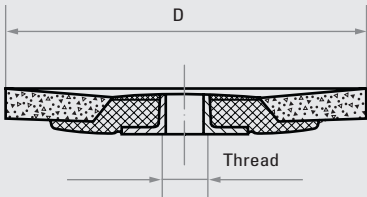


MAXIMUM FLEXIBILITY

THANKS TO LARGE FLAP PROJECTION

EASY MACHINING OF RADII AND FILLET WELDS

SLTflex lamellar flap disc



- for machining radii and fillet welds
- high flexibility thanks to the large flap projection (no interference from backing plate)
- easy tool changing (backing pad and clamping nut are not required)
- long tool life

★★★

Product number	Description	D mm	Thread	Grit	n max rpm	Pack contains
6FL115040145524	SLTflex 115 ZK40	115	M14	ZKS 40	13,300	10
6FL115060145524	SLTflex 115 ZK60	115	M14	ZKS 60	13,300	10
6FL115080145524	SLTflex 115 ZK80	115	M14	ZK 80	13,300	10

Recommended for: Inox/Steel Steel Aluminium Cast material Titanium

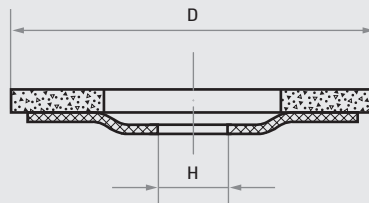
IMPRESSIVE TOOL LIFE WITH HIGH ERGONOMICS

HIGH-PERFORMANCE LUKAS LAMELLAR FLAP DISCS WITH RECTANGULAR FLAPS



SLTO / SLTR lamellar flap disc, zirconia alumina

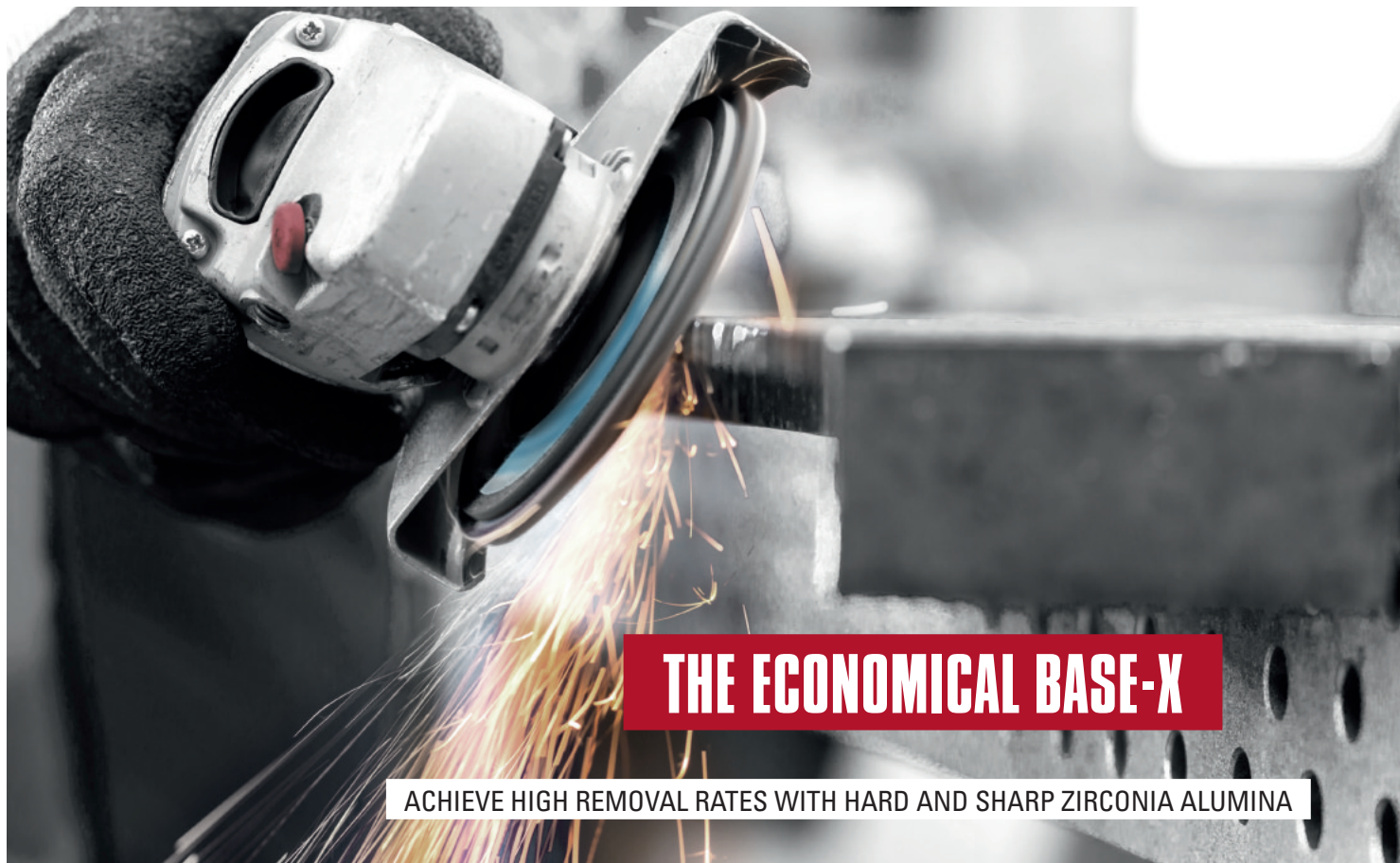
- achieves high removal rates on hard and tough materials and a long tool life
- for deburring, fettling, derusting, smoothening and weld seam machining
- very good price-to-performance thanks to the rectangular flaps
- always remains sharp throughout the tool life thanks to the multi-layer coating
- glass fibre backing
- the efficient alternative to grinding discs



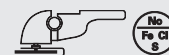
★★☆

Product number	Description	D mm	H mm	Drawing	Grit	n_{max} rpm	Pack contains
6FL115036125024	SLTO 115 ZK36	115	22.23		ZK 36	13,300	10
6FL115080115024	SLTO 115 NK80	115	22.23		NK 80	13,300	10
6FL115080125024	SLTO 115 ZK80	115	22.23		ZK 80	13,300	10
6FL115120125024	SLTO 115 ZK120	115	22.23		ZK 120	13,300	10
6FL178080125024	SLTO 178 ZK80	178	22.23		ZK 80	8,500	10
6FL10004032051	SLTR 100 ZK40	100	16,00		ZK 40	15,300	10
6FL10006032051	SLTR 100 ZK60	100	16,00		ZK 60	15,300	10
6FL115040220506	SLTR 115 ZK40	115	22.23		ZK 40	13,300	10
6FL115060220506	SLTR 115 ZK60	115	22.23		ZK 60	13,300	10
6FL115080220506	SLTR 115 ZK80	115	22.23		ZK 80	13,300	10
6FL115120220506	SLTR 115 ZK120	115	22.23		ZK 120	13,300	10
6FL178040220506	SLTR 178 ZK40	178	22.23		ZK 40	8,500	10
6FL178060220506	SLTR 178 ZK60	178	22.23		ZK 60	8,500	10
6FL178080220506	SLTR 178 ZK80	178	22.23		ZK 80	8,500	10
6FL178120220506	SLTR 178 ZK120	178	22.23		ZK 120	8,500	10

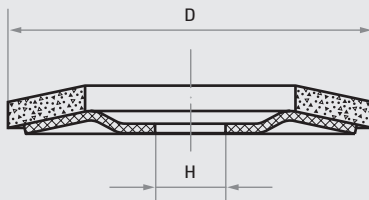
Recommended for: ● Inox/Steel ● Steel ● Cast material ● Titanium



SLTR BASE-X lamellar flap disc



- the economical alternative to grinding discs
- for deburring, fettling, derusting, smoothing and weld seam machining
- good price-to-performance ratio thanks to the rectangular flaps
- always remains sharp throughout the tool life thanks to the multi-layer coating
- glass fibre backing



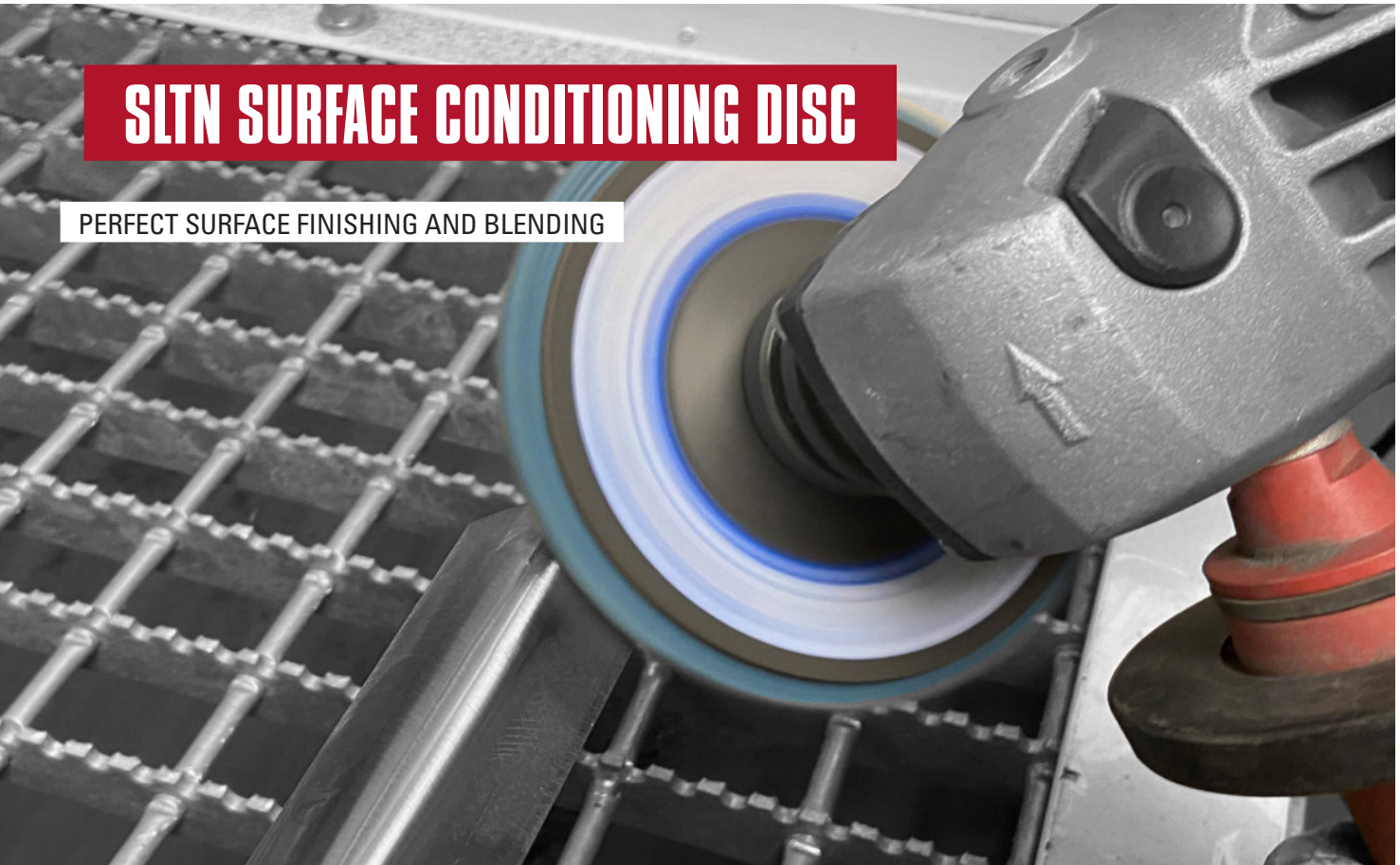
★☆☆

Product number	Description	D mm	H mm	Drawing	Grit	n _{max} rpm	Pack contains
6FL115040220724	SLTR 115 BASE-X ZK40	115	22.23		ZKS 40	13,300	10
6FL115060220724	SLTR 115 BASE-X ZK60	115	22.23		ZKS 60	13,300	10
6FL115080220724	SLTR 115 BASE-X ZK80	115	22.23		ZKS 80	13,300	10

Recommended for: ● Inox/Steel ● Steel ● Cast material ● Titanium

SLTN SURFACE CONDITIONING DISC

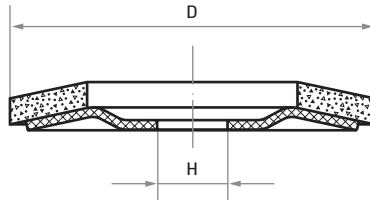
PERFECT SURFACE FINISHING AND BLENDING



GRINDING AND POLISHING
(with flexible tools)




SLTN non-woven lamellar flap disc



- optimal results at lower rpms
- for deburring, fettling, derusting,
- finishing of stainless steel and stainless steel weld seams
- high quality non-woven material
- glass fibre backing

★★☆

Product number	Description	D mm	H mm	Drawing	Grit	Optimal mm	n _{max} rpm	Pack contains
7FD1150205067	SLTN Blue fine	115	22.23		SC Fine	5,000	13,300	10
7FD1150204067	SLTN Maroon medium	115	22.23		SC Medium	5,000	13,300	10
7FD1150203067	SLTN Brown coarse	115	22.23		SC Course	5,000	13,300	10
Recommended for: ● Inox/Steel ● Steel ● Aluminium ● Cast material ● Plastic/Wood ● Titanium								

SLTV NAWAROFLEX DISC

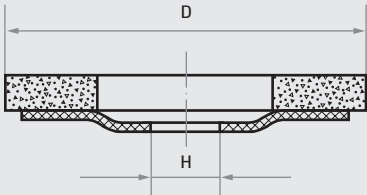
ACHEIVE FINE SATIN FINISHES EASILY

GRINDING AND POLISHING
(with flexible tools)



SLTV NAWAROFLEX® lamellar flap disc

- made of abrasive fleece for fine grinding, e.g. before polishing
- can be used without a backing pad on adjustable or low-speed angle grinders
- eco-friendly NAWAROFLEX®: backing made of renewable raw materials



★★☆

Product number	Description	D mm	H mm	Quality	Grit	n _{max} rpm	Pack contains
6FV115221042024	SLTV 115 A104	115	22.23	A104	NK 100	5,300	10
6FV115221062024	SLTV 115 A106	115	22.23	A106	NK 180	5,300	10

Recommended use for A qualities: Inox/Steel Steel Cast material Plastic/Wood Aluminium Titanium

AS CLEANING FLEECE

EFFICIENTLY TREAT SURFACES IN A WIDE VARIETY OF MATERIALS

LUKAS AS cleaning fleece consists of a coarse polyamide non-woven material impregnated with high-impact abrasive particles. Thanks to this combination of polyamide non-woven material and hard abrasive particles, LUKAS cleaning fleece is ideal for efficient surface finishing, including removing paint or concrete residue and rust, cleaning, polishing or graining wood. The tool is widely used in the building sector, bodywork and shipbuilding.

With its combination of materials, the cleaning fleece (or disc) offers significant advantages in practical use. Heat generation and the grinding pressure applied are kept to a minimum, ensuring no clogging or damage to workpieces. In practical terms, this means that your cleaning fleece or disc is a tool that you can use efficiently and effectively for a long time to come.

APPLICATION RECOMMENDATIONS

The tools in our AS cleaning fleece range are ideal for the following applications:

- removing paint and adhesive residue
- removing cement and concrete residue
- removing rust, cleaning and polishing a wide variety of surface materials
- graining and cleaning wood
- rust removal and cleaning jobs (e.g. barnacles on boats and ships)
- cleaning car undersides, various vehicle coachbuilding tasks
- cleaning weld seams – before and after welding

PROPERTIES

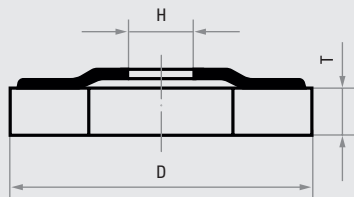
- low heat generation
- operation at low grinding pressure possible
- no clogging
- no damage to workpieces

SAFETY ADVICE

Please adhere to our recommended, never-exceed maximum speeds.



- can be used universally without a backing pad on adjustable or low-speed angle grinders
- the all-rounder for removing paint and adhesive residue, as well as rust removal, cleaning and polishing a wide variety of surface materials
- made of resilient materials for a long service life, high removal rate and fast operation



ASVT flap disc



★★☆

Product number	Description	D mm	T mm	H mm	n recomm. rpm	n max. rpm	Pack contains
6FL11500001024	ASVT 115	115	13	22.23	5,300	10,500	10
Recommended for: ● Plastic/Wood ● Titanium ● Aluminium ● Inox/Steel ● Steel ● Cast material							

FROM FINE GRINDING TO POLISHING

A SMOOTH TRANSITION WITH LUKAS TOOLS

After the fine grinding, is polishing your next job? LUKAS offers a wide assortment of polishing tools especially designed for fine surface treatment and polishing work. Made of high quality raw materials, LUKAS polishing points, discs, sticks and rolls are precisely tailored to achieve the required degree of polishing for each individual application – through to shiny and mirror-like polishing. LUKAS polishing tools are divided into the groups P1 to P7 according to the respective intended use.

The LUKAS polishing tool range with its huge variety of different shapes allows you to choose the most suitable polishing tools for your specific fine machining (fine and ultra-fine grinding) or polishing requirements. This means that with our tools you can work in an extremely economical and especially effective manner.

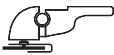
THE LUKAS POLISHING DISC SET

After fine grinding your surfaces with an angle grinder, you can then easily achieve your desired polishing results with the LUKAS polishing disc set. Just use the different polishing discs from the LUKAS polishing set in sequence. Easily and quickly achieve everything from removing rust to a mirror finish with just a few tool changes and without switching machines. The practical LUKAS polishing disc sets can be found in **section 3.2**

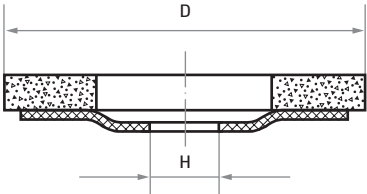


GRINDING AND POLISHING
(with flexible tools)

SLTP polishing disc



★★★☆☆



- cooler – very efficient for light deburring, cleaning Inox weld seams and surface enhancement
- The fleece fibre design prevents overheating and clogging on the tool.
- minimum edge abrasion for improved productivity
- can be used without a backing pad on adjustable or low-speed angle grinders

Product number	Description	D mm	H mm	Type/hardness	n _{max} rpm	Pack contains
6FP115000523024	SLTP 115 M	115	22.23	medium	8,300	10
6FP115000513024	SLTP 115 W	115	22.23	soft	8,300	10

Recommended for: ● Inox/Steel ● Steel ● Aluminium ● Cast material ● Plastic/Wood ● Titanium

FELT POLISHING LAMELLAR DISC

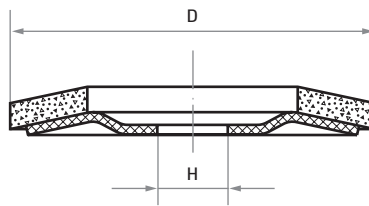
REMOVE FINE MARKS AND

ACHIEVED HIGH GLOSS SURFACE FINISHES

GRINDING AND POLISHING
(with flexible tools)



Felt lamellar flap disc



- medium to high-gloss polishing
- to be used with abrasive or polishing compounds
- ideal for low speed angle polishers

★★☆

Product number	Description	Flap thickness mm	Drawing	D mm	H mm	n _{max} rpm	Pack contains
6FF115220103080	Felt flaps 3 mm	3		115	22.23	1,600	1
6FF115220106080	Felt flaps 6 mm	6		115	22.23	1,600	1

Recommended for: ● Inox/Steel ● Steel ● Cast material ● Plastic/Wood ● Aluminium ● Titanium