

## POLISHING GROUP P3

## Excellent results all the way to a mirror finish



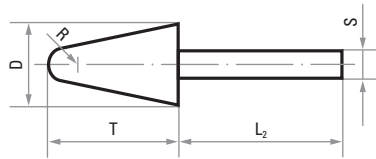
LUKAS felt polishing points are available in two qualities:

- H3 as per DIN 61200
- H3-S super hard and particularly effective when used in combination with diamond paste

**The ideal peripheral speed for LUKAS felt polishing points is 2 to 8 m/s.**

The LUKAS range of felt polishing tools reflects our many years of experience in this field and covers all the most common shapes and sizes. Thanks to their extreme flexibility, felt polishing points used together with LUKAS diamond paste are ideally suited for polishing highly complex shapes like pressure and injection moulds, drawing, press and cutting tools, dies, bearings, spindles, rolls, gauges, etc.

## P3 polishing point

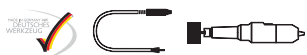


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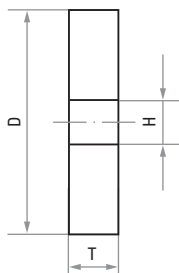
- perfect for polishing highly complex shapes
- manufactured as per DIN 69170

Product number	Description	Shape	Quality	D mm	T mm	S mm	L <sub>2</sub> mm	R mm	Pack contains	
A3700006103	P3ZY 0610.03		H3	6	10	3	40	–	20	
A3700008103	P3ZY 0810.03		H3	8	10	3	40	–	20	
A3700010123	P3ZY 1012.03		H3	10	12	3	38	–	20	
A3700010156	P3ZY 1015.06		H3	10	15	6	40	–	10	
A3700012153	P3ZY 1215.03		H3	12	15	3	40	–	20	
A3700012206	P3ZY 1220.06		H3	12	20	6	40	–	10	
A3700016206	P3ZY 1620.06		H3	16	20	6	40	–	10	
A3700020256	P3ZY 2025.06		H3	20	25	6	40	–	10	
A3700025306	P3ZY 2530.06		H3	25	30	6	40	–	10	
A3700030406	P3ZY 3040.06		H3	30	40	6	40	–	10	
A3701006103	P3SP 0610.03			H3	6	10	3	40	–	20
A3701008103	P3SP 0810.03			H3	8	10	3	40	–	20
A3701010123	P3SP 1012.03	H3		10	12	3	40	–	20	
A3701010156	P3SP 1015.06	H3		10	15	6	40	–	10	
A3701012206	P3SP 1220.06	H3		12	20	6	40	–	10	
A3701020256	P3SP 2025.06	H3		20	25	6	40	–	10	
A3701025306	P3SP 2530.06	H3		25	30	6	40	–	10	
A3701030406	P3SP 3040.06	H3		30	40	6	40	–	10	
A3703006063	P3KU 0605.03		H3	6	5.5	3	39.5	–	20	
A3703008083	P3KU 0807.03		H3	8	7.5	3	42.5	–	20	
A3703010103	P3KU 1009.03		H3	10	9	3	41	–	20	
A3703010106	P3KU 1009.06		H3	10	9	6	41	–	10	
A3703012126	P3KU 1211.06		H3	12	11	6	39	–	10	
A3703020206	P3KU 2019.06		H3	20	19	6	41	–	10	
A3705010123	P3KE 1012.03		H3	10	12	3	38	2.5	20	
A3705010156	P3KE 1015.06		H3	10	15	6	40	2.5	10	
A3705020256	P3KE 2025.06		H3	20	25	6	40	3.5	10	
A3705025306	P3KE 2530.06		H3	25	30	6	40	4.5	10	
A3705030406	P3KE 3040.06		H3	30	40	6	40	6.5	10	
A37000061030001	P3ZY 0610.03		H3-S	6	10	3	40	–	20	
A37000081030001	P3ZY 0810.03		H3-S	8	10	3	40	–	20	
A37000101230001	P3ZY 1012.03		H3-S	10	12	3	38	–	20	
A37000101560001	P3ZY 1015.06		H3-S	10	15	6	40	–	10	
A37000121530001	P3ZY 1215.03		H3-S	12	15	3	40	–	20	
A37000122060001	P3ZY 1220.06		H3-S	12	20	6	40	–	10	
A37000202560001	P3ZY 2025.06		H3-S	20	25	6	40	–	10	

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



## Felt polishing wheel, shape S1



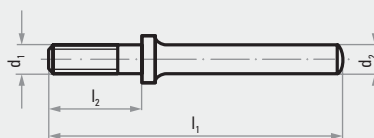
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Product number	Description	Quality	D mm	T mm	H mm	Pack contains
A3750040106	P3S1 4010.06	H3	40	10	6	10
A3750050106	P3S1 5010.06	H3	50	10	6	10
A3750050206	P3S1 5020.06	H3	50	20	6	10
A3750060106	P3S1 6010.06	H3	60	10	6	10
A3750060206	P3S1 6020.06	H3	60	20	6	10

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

 GRINDING AND POLISHING  
(with bonded tools)


## Arbors for felt polishing wheels



Delivery includes the following for each arbor:

- two washers, Ø 18 mm
  - two washers, Ø 30 mm
- and one hex nut.

★★☆

Product number	Description	d <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> mm	l <sub>1</sub> mm	n <sub>max</sub> rpm	Pack contains
A1630780	ASB 780	M6	20	6	63	7,000	5
A1630781	ASB 781	M6	30	6	73	7,000	5

## Grinding pastes



- new and improved formula
- silicon carbide paste, oil-soluble, can be used with thinners, cleaned with oil, spirit or petrol
- for polishing pre-ground surfaces, particularly suited for hard metallic surfaces such as steel, iron, cast iron, bronze, brass and copper

★★☆

Product number	Description	Quality	Grit size	Grain size in $\mu\text{m}$	Content ml	Pack contains
A3760120	SP-1	medium	SIC 120	88–125	250	1
A3760180	SP-2	fine	SIC 180	55–88	250	1
A3760320	SP-3	very fine	SIC 320	20–40	250	1

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

## FINE POLISH FOR HARD METALS

COUNTLESS CUTTING EDGES FOR A GREAT GLOSS FAST

### MORE CUTTING EDGES IN DIAMOND PASTES

The diamonds in the polycrystalline diamond pastes deliver a fast high-gloss polish. The reason for this lies in the manufacturing process of the polycrystalline diamonds, which creates a large number of predetermined breaking points. Under load the diamonds break at these points. This then constantly results in new cutting edges in the polycrystalline diamond paste during use for outstanding surface results with less paste consumption.

### FOR MACHINES AND ROBOTS

Polycrystalline pastes are used for steels and titanium with a hardness greater than 60 HRC. The high yield and the extremely high process reliability make the polycrystalline diamond pastes from LUKAS perfect for use on NC machines and robots. Thanks to their high temperature resistance of 130 °C and solubility in water, oil and alcohol, the polycrystalline paste can be used in a variety of ways in industrial processes. Polycrystalline diamond paste is also suitable for manual application.

## NEW Polycrystalline diamond pastes



★★★

- for steel and titanium
- resists temperatures of up to 130 °C

Product number	Description	Quality	Grain size in $\mu\text{m}$	Colour	Content in g	Pack contains
A3410129110	EP-091	Super-EP	1	blue	10	1
A3410129210	EP-092	Super-EP	3	green	10	1
A3410129310	EP-093	Super-EP	6	yellow	10	1
A3410129410	EP-094	Super-EP	9	red	10	1
A3410129510	EP-095	Super-EP	15	light brown	10	1

Recommended for: ● Steel ● Cast material ● Titanium

# SUPER-E DIAMOND PASTE

GET THE GLOSS YOU WANT WITH JUST A TINY AMOUNT

Thanks to the high concentration of diamond grains, you can polish even the hardest materials quickly and efficiently. The optimal shape of the monocrystalline diamonds and the very narrow grain size distribution guarantee perfect polishing results. Because of

its agglomerate-free production and high viscosity – which can be gradually diluted with water, oil or alcohol – our diamond paste is also ideal for use in machines. The paste was specially developed for mould making.

## FEATURES

- high grain concentration
- perfect grain size
- free from agglomerates
- narrow grain size distribution
- monocrystalline
- high viscosity

## BENEFITS/USES

- polishes the hardest materials quickly and efficiently
- optimised for machine application
- highly effective
- ideal for mould making
- dilute with water, oil or alcohol



GRINDING AND POLISHING  
(with bonded tools)

## Monocrystalline diamond pastes



- highly versatile for both manual and machine polishing
- resists temperatures of up to 130 °C

★★☆

Product number	Description	Quality	Grain size in µm	Colour	Content g	Pack contains
A3410119105	E-091	Super-E	1	blue	5	1
A3410119110	E-091	Super-E	1	blue	10	1
A3410119205	E-092	Super-E	3	green	5	1
A3410119210	E-092	Super-E	3	green	10	1
A3410119305	E-093	Super-E	6	yellow	5	1
A3410119310	E-093	Super-E	6	yellow	10	1
A3410119405	E-094	Super-E	9	red	5	1
A3410119410	E-094	Super-E	9	red	10	1
A3410119505	E-095	Super-E	15	light brown	5	1
A3410119510	E-095	Super-E	15	light brown	10	1

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

