

# GRINDING AND POLISHING

(with flexible tools)

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4.4 Abrasive bands and mandrals

1-4

TECHNICAL INFORMATION AND PRODUCT INFORMATION

Abrasive bands and mandrels from LUKAS

SBZY ABRASIVE BANDS, CYLINDRICAL SHAPE

We offer a large selection of abrasive bands and matching mandrels. They are available in many different dimensions and qualities. Abrasive bands are made of abrasive cloth which is spirally wound onto a fabric with a backing. Mounted on matching mandrels, they are used with handheld machines (straight grinders or machines with a flexible shaft).

- Cleaning

■ Light deburring
- Refining

■ Surface and

STZY ABRASIVE BAND MANDRELS, CYLINDRICAL SHAPE

Our mandrels are used solely for mounting our cylindrical abrasive bands. Due to the special slots in the mandrel, the abrasive bands are firmly secured as speed increases.

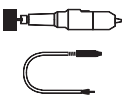
TECHNICAL INFORMATION

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

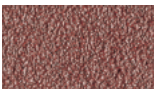
Type	Page	Reference/ Qualities	Product line	Materials								
				<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
				Inox/Stainless- Rust-, acid- and heat-resistant steel	General pur- pose Steel	Alloyed/ tempered steels	Tool steels	Aluminium, magnesium and copper alloys	Stone/ Construction material	Cast iron	Titanium and nickel alloys	Plastic/Wood
	3	SBZY abrasive bands	★★☆									

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.

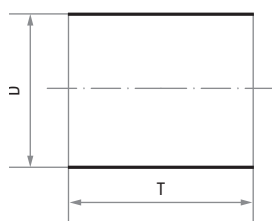
The overview below lists all abrasives for use with flexible grinding and polishing tools. Read through the properties and application areas for various workpiece materials to establish the most suitable abrasive grain type and tools to meet your requirements.

Quality		Properties	Application areas/ machining	available as	Page
	<b>NK</b> Abrasive cloth Regular 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	SBZY abrasive bands	3



## SBZY regular aluminium oxide abrasive band, cylindrical shape

- regular aluminium oxide has good tool life when used on structural steel and for rough grinding.
- for cleaning, light deburring, refining, surface and contour grinding as well as fine grinding
- in combination with mandrels for use with straight grinders or machines with flexible shafts
- the matching mandrels can be found on **page 4**.



Product number	Description	D mm	T mm	Grit	Pack contains
6LB1010080024	SBZY 01010 Spiral band P80	10	10	NK 80	50
6LB1020060024	SBZY 01020 Spiral band P60	10	20	NK 60	50
6LB1020120924	SBZY 01020 Spiral band P120	10	20	NK 120	50
6LB1020240024	SBZY 01020 Spiral band P240	10	20	NK 240	50
6LB1225060024	SBZY 01225 Spiral band P60	12	25	NK 60	50
6LB1225080024	SBZY 01225 Spiral band P80	12	25	NK 80	50
6LB1225150024	SBZY 01225 Spiral band P150	12	25	NK 150	50
6LB1225240024	SBZY 01225 Spiral band P240	12	25	NK 240	50
6LB1530060024	SBZY 01530 Spiral band P60	15	30	NK 60	50
6LB1530080024	SBZY 01530 Spiral band P80	15	30	NK 80	50
6LB1530150024	SBZY 01530 Spiral band P150	15	30	NK 150	50
6LB1925060024	SBZY 01925 Spiral band P60	19	25	NK 60	50
6LB1925080024	SBZY 01925 Spiral band P80	19	25	NK 80	50
6LB1925150024	SBZY 01925 Spiral band P150	19	25	NK 150	50
6LB1925240024	SBZY 01925 Spiral band P240	19	25	NK 240	50
6LB2220060024	SBZY 02220 Spiral band P60	22	20	NK 60	50
6LB2220080024	SBZY 02220 Spiral band P80	22	20	NK 80	50
6LB2525060024	SBZY 02525 Spiral band P60	25	25	NK 60	50
6LB2525080024	SBZY 02525 Spiral band P80	25	25	NK 80	50
6LB2525180024	SBZY 02525 Spiral band P180	25	25	NK 180	50
6LB3030040024	SBZY 03030 Spiral band P40	30	30	NK 40	50
6LB3030060024	SBZY 03030 Spiral band P60	30	30	NK 60	50
6LB3030080024	SBZY 03030 Spiral band P80	30	30	NK 80	50
6LB3030120024	SBZY 03030 Spiral band P120	30	30	NK 120	50
6LB3030150024	SBZY 03030 Spiral band P150	30	30	NK 150	50
6LB3825040024	SBZY 03825 Spiral band P40	38	25	NK 40	50
6LB3825060024	SBZY 03825 Spiral band P60	38	25	NK 60	50
6LB3825080024	SBZY 03825 Spiral band P80	38	25	NK 80	50
6LB3825120024	SBZY 03825 Spiral band P120	38	25	NK 120	50
6LB3825150024	SBZY 03825 Spiral band P150	38	25	NK 150	50
6LB4530060024	SBZY 04530 Spiral band P60	45	30	NK 60	50
6LB4530080024	SBZY 04530 Spiral band P80	45	30	NK 80	50
6LB4530150024	SBZY 04530 Spiral band P150	45	30	NK 150	50
6LB5025040024	SBZY 05125 Spiral band P40	51	25	NK 40	50
6LB5025060024	SBZY 05125 Spiral band P60	51	25	NK 60	50
6LB5125080024	SBZY 05125 Spiral band P80	51	25	NK 80	50
6LB5125150024	SBZY 05125 Spiral band P150	51	25	NK 150	50
6LB6030060024	SBZY 06030 Spiral band P60	60	30	NK 60	50
6LB6030080024	SBZY 06030 Spiral band P80	60	30	NK 80	50
6LB7530060024	SBZY 07530 Spiral band P60	75	30	NK 60	50
6LB7530080024	SBZY 07530 Spiral band P80	75	30	NK 80	50

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

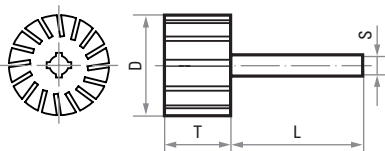
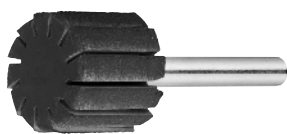


# ABRASIVE BAND AND MANDRELS

MEET EVERY CHALLENGE WITH LUKAS ABRASIVE BANDS

GRINDING AND POLISHING  
(with flexible tools)

## STZY hard abrasive band mandrel, cylindrical shape



The stated maximum permissible speeds apply for a maximum overhang length  $L_0$  of 20 mm. The maximum permissible speed must be calculated separately for other overhang lengths!

★★☆

Product number	Description	D mm	T mm	S mm	L mm	Type	$n_{\max}$ rpm	Pack contains
6LH1010024	STZY 01010.06 Holder	10	10	6	40	hard	57,000	5
6LH1020524	STZY 01020.06 Holder	10	20	6	40	hard	57,000	5
6LH1225524	STZY 01225.06 Holder	12	25	6	40	hard	46,500	5
6LH1530524	STZY 01530.06 Holder	15	30	6	40	hard	38,000	5
6LH1925524	STZY 01925.06 Holder	19	25	6	40	hard	30,000	5
6LH2220524	STZY 02220.06 Holder	22	20	6	40	hard	26,000	5
6LH2525524	STZY 02525.06 Holder	25	25	6	40	hard	22,500	5
6LH3030524	STZY 03030.06 Holder	30	30	6	40	hard	19,000	5
6LH3825524	STZY 03825.06 Holder	38	25	6	40	hard	15,000	5
6LH4530524	STZY 04530.06 Holder	45	30	6	40	hard	13,000	5
6LH5125524	STZY 05125.06 Holder	51	25	6	40	hard	11,200	5
6LH6030524	STZY 06030.06 Holder	60	30	6	40	hard	9,500	5
6LH7530524	STZY 07530.08 Holder	75	30	8	40	hard	6,500	10