

TECHNICAL INFORMATION AND PRODUCT INFORMATION

Abrasive discs and carriers from LUKAS**PSG/PSR SELF-CLAMPING ABRASIVE DISCS**

LUKAS abrasive discs – PSG/PSR – are self-clamping. The back of the abrasive discs is fitted with a “quick lock” made of metal or plastic (PSG) or a plastic thread (PSR). The abrasive disc is attached to the corresponding carrier with a small twist. In this tool category, the PSG abrasive discs represents our most extensive range. Numerous diameters, many different grit sizes, and above all abrasive qualities for every application, help you to solve your grinding problem.

► Find out more about these abrasive discs on **pages 218–225**.

**PSK ADHESIVE ABRASIVE DISCS**

LUKAS abrasive discs – PSK – are self-adhesive. The rubberised back of the abrasive discs is covered with a protective film. After removing this film, the abrasive discs are stuck to the respective carrier. These discs are suitable for machining many different surfaces. The adhesive bond does not permit reuse once the disc has been peeled off the carrier. These abrasive discs are available in regular aluminium oxide and silicon carbide as well as with different grit sizes, as illustrated in the following tables.

► Find out more about these abrasive discs on **pages 228/229**.

**PSH SELF-FIXING ABRASIVE DISCS**

LUKAS abrasive discs – PSH – are self-fixing. The abrasive discs have a Velcro backing, with the corresponding carriers covered with hooked fabric. These discs are suitable for machining both flat and concave surfaces. Abrasive discs that have not been completely worn down during machining can be removed and reused another time. These abrasive discs are available in a quality and grit size adapted to the respective application as illustrated in the following tables.

► Find out more about these abrasive discs on **pages 231–234**.

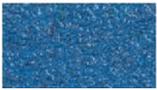


PSG ABRASIVE DISCS

Quality and applications

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, applications and requirements, and therefore offer you a very wide selection.

You will find all abrasive discs from the PSG range in the following overview. Read through the properties and application details of the different workpiece materials to find the right quality to meet your requirements.

Quality	Properties	Application areas/machining	Page
 NK Abrasive cloth Regular aluminium oxide	very tough abrasive, high resilience	universal grinding and deburring	220
 NKE Abrasive cloth Regular aluminium oxide with reinforced backing material	very tough abrasive, high resilience	The reinforcement makes these discs suitable for the toughest demands and beveling.	221
 ZK Abrasive cloth Zirconia alumina	exceptionally resilient grain with high pressure resistance	ideal for Hastelloy, Inconel, non-rusting steel and metals that are difficult to machine	219
 Z-Power Abrasive cloth Zirconia alumina with active abrasive surface layer	excellent stock removal rate, long tool life	ideal for machining non-rusting steel; special surface layer prevents clogging	219
 Ceramic Abrasive cloth Ceramic grain	excellent stock removal rate without grain shredding, particularly stable due to reinforced backing, cool cutting	ideal for machining non-rusting steel and nickel alloys	218
 SIC Abrasive cloth Silicon carbide	minimum heat accumulation, special quality for the aerospace industry	Ideal for machining titanium, titanium alloys and aluminium (aviation industry). Plastics and ceramics can also be processed.	223
 Abrasive fleece Regular aluminium oxide coarse/brown	polishing effect with the fibre structure, consistent results due to continuous exposure of new grinding particles; long tool life	ideal for removing rust or paint, scratches and pre-grinding marks; general improvement of surface quality	222
 Abrasive fleece Regular aluminium oxide medium/red-brown			
 Abrasive fleece Regular aluminium oxide fine/blue			

GRINDING AND POLISHING
(with flexible tools)