

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**.

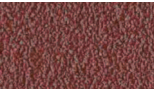




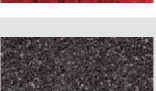
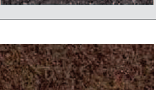
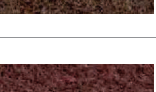
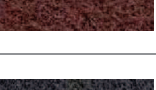


PSG ABRASIVE DISCS

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 | | | |

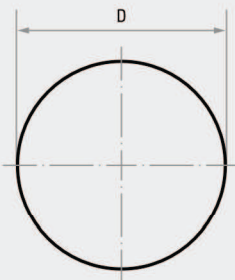
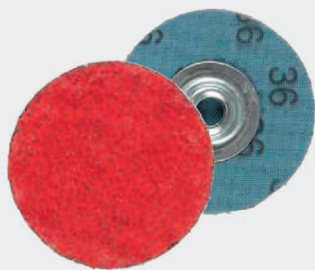
GRINDING AND POLISHING
(with flexible tools)

MACHINE ULTRA-HARD MATERIALS

INNOVATIVE CERAMIC GRAIN WITH SELF-SHARPENING EFFECT



PSG Ceramic self-clamping abrasive disc

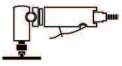


- especially robust ceramic grain for hard materials
- fitted with a "quick lock" – fastened to the respective carrier by a small twist
- high stock removal rate and long tool life
- Hardened surfaces, wear-resistant steel, scale and hard coatings, titanium alloys and reinforced weld seams can be machined quickly.
- ▶ The matching tool carriers can be found on **page 223**.

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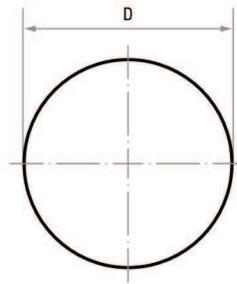
| | Product number | Description | Quality/grit size | D mm | n_{max} rpm | Matching abrasive disc carrier | Pack contains |
|------------|-----------------|-------------|-------------------|------|---------------|--------------------------------|---------------|
| NEW | A33790250360458 | PSG 025 | Ceramic 36 | 25 | 38,000 | GTG 025 | 100 |
| NEW | A33790250600458 | PSG 025 | Ceramic 60 | 25 | 38,000 | GTG 025 | 100 |
| NEW | A33790250800458 | PSG 025 | Ceramic 80 | 25 | 38,000 | GTG 025 | 100 |
| NEW | A33790251200458 | PSG 025 | Ceramic 120 | 25 | 38,000 | GTG 025 | 100 |
| | A33790380360458 | PSG 038 | Ceramic 36 | 38 | 25,000 | GTG 038 | 100 |
| | A33790380600458 | PSG 038 | Ceramic 60 | 38 | 25,000 | GTG 038 | 100 |
| | A33790380800458 | PSG 038 | Ceramic 80 | 38 | 25,000 | GTG 038 | 100 |
| | A33790381200458 | PSG 038 | Ceramic 120 | 38 | 25,000 | GTG 038 | 100 |
| | A33790500360458 | PSG 050 | Ceramic 36 | 50 | 25,000 | GTG 038 and GTG 050 | 100 |
| NEW | A33790500500458 | PSG 050 | Ceramic 50 | 50 | 25,000 | GTG 038 and GTG 050 | 100 |
| | A33790500600458 | PSG 050 | Ceramic 60 | 50 | 25,000 | GTG 038 and GTG 050 | 100 |
| | A33790500800458 | PSG 050 | Ceramic 80 | 50 | 25,000 | GTG 038 and GTG 050 | 100 |
| | A33790501200458 | PSG 050 | Ceramic 120 | 50 | 25,000 | GTG 038 and GTG 050 | 100 |
| | A33790750360458 | PSG 075 | Ceramic 36 | 75 | 20,000 | GTG 075 | 50 |
| | A33790750600458 | PSG 075 | Ceramic 60 | 75 | 20,000 | GTG 075 | 50 |
| | A33790750800458 | PSG 075 | Ceramic 80 | 75 | 20,000 | GTG 075 | 50 |
| | A33790751200458 | PSG 075 | Ceramic 120 | 75 | 20,000 | GTG 075 | 50 |

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



PSG Z-Power self-clamping abrasive disc

- made of zirconia alumina with active abrasive surface layer
- ideal for machining stainless steel
- special surface layer prevents clogging
- fitted with a "quick lock" – fastened to the respective carrier by a small twist
- ▶ The matching tool carriers can be found on **page 223**.

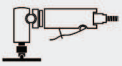


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| Product number | Description | Quality/grit size | D mm | n _{max} rpm | Matching abrasive disc carrier | Pack contains |
|-----------------|-------------|-------------------|------|----------------------|--------------------------------|---------------|
| A33770380360458 | PSG 038 | Z-Power 36 | 38 | 25,000 | GTG 038 | 100 |
| A33770380600458 | PSG 038 | Z-Power 60 | 38 | 25,000 | GTG 038 | 100 |
| A33770380800458 | PSG 038 | Z-Power 80 | 38 | 25,000 | GTG 038 | 100 |
| A33770381200458 | PSG 038 | Z-Power 120 | 38 | 25,000 | GTG 038 | 100 |
| A33770500360458 | PSG 050 | Z-Power 36 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |
| A33770500600458 | PSG 050 | Z-Power 60 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |
| A33770500800458 | PSG 050 | Z-Power 80 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |
| A33770750360458 | PSG 075 | Z-Power 36 | 76 | 20,000 | GTG 075 | 50 |
| A33770750600458 | PSG 075 | Z-Power 60 | 76 | 20,000 | GTG 075 | 50 |
| A33770750800458 | PSG 075 | Z-Power 80 | 76 | 20,000 | GTG 075 | 50 |
| A33770751200458 | PSG 075 | Z-Power 120 | 76 | 20,000 | GTG 075 | 50 |

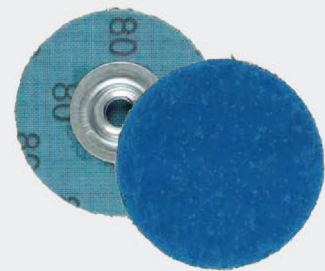
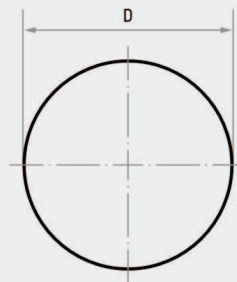
Recommended for: ● Inox/Steel ● Steel ● Cast material ● Titanium

GRINDING AND POLISHING (with flexible tools)



PSG self-clamping zirconia alumina abrasive disc

- made from abrasive cloth with zirconia alumina
- ideal for Hastelloy, Inconel, stainless steel and metals that are difficult to machine
- fitted with a "quick lock" – fastened to the respective carrier by a small twist
- ▶ The matching tool carriers can be found on **page 223**.



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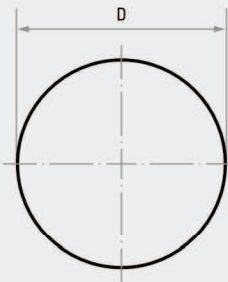
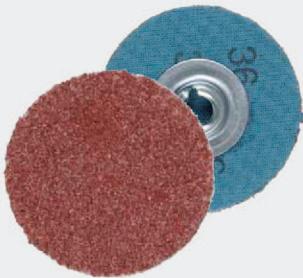
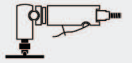
| Product number | Description | Quality/grit size | D mm | n _{max} rpm | Matching abrasive disc carrier | Pack contains |
|-----------------|-------------|-------------------|------|----------------------|--------------------------------|---------------|
| A33530250600458 | PSG 025 | ZK 60 | 25 | 38,000 | GTG 025 | 100 |
| A33530250800458 | PSG 025 | ZK 80 | 25 | 38,000 | GTG 025 | 100 |
| A33530380600458 | PSG 038 | ZK 60 | 38 | 25,000 | GTG 038 | 100 |
| A33530380800458 | PSG 038 | ZK 80 | 38 | 25,000 | GTG 038 | 100 |
| A33530500360458 | PSG 050 | ZK 36 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |
| A33530500600458 | PSG 050 | ZK 60 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |
| A33530500800458 | PSG 050 | ZK 80 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |
| A33530750360458 | PSG 075 | ZK 36 | 76 | 20,000 | GTG 075 | 50 |
| A33530750600458 | PSG 075 | ZK 60 | 76 | 20,000 | GTG 075 | 50 |

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

FOR UNIVERSAL USE

SELF-CLAMPING ABRASIVE DISCS FROM LUKAS WITH REGULAR ALUMINIUM OXIDE

PSG self-clamping regular aluminium oxide abrasive disc



- for universal grinding and deburring work
- fitted with a "quick lock" – fastened to the respective carrier by a small twist
- ▶ The matching tool carriers can be found on **page 223**.

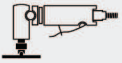
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| Product number | Description | Quality/grit size | D mm | n_{max} rpm | Matching abrasive disc carrier | Pack contains |
|-----------------|-------------|-------------------|------|---------------|--------------------------------|---------------|
| A33510200600458 | PSG 020 | NK 60 | 19 | 47,000 | GTG 020 | 100 |
| A33510200800458 | PSG 020 | NK 80 | 19 | 47,000 | GTG 020 | 100 |
| A33510201200458 | PSG 020 | NK 120 | 19 | 47,000 | GTG 020 | 100 |
| A33510250360458 | PSG 025 | NK 36 | 25 | 38,000 | GTG 025 | 100 |
| A33510250600458 | PSG 025 | NK 60 | 25 | 38,000 | GTG 025 | 100 |
| A33510250800458 | PSG 025 | NK 80 | 25 | 38,000 | GTG 025 | 100 |
| A33510251200458 | PSG 025 | NK 120 | 25 | 38,000 | GTG 025 | 100 |
| A33510380360458 | PSG 038 | NK 36 | 38 | 25,000 | GTG 038 | 100 |
| A33510380600458 | PSG 038 | NK 60 | 38 | 25,000 | GTG 038 | 100 |
| A33510380800458 | PSG 038 | NK 80 | 38 | 25,000 | GTG 038 | 100 |
| A33510381200458 | PSG 038 | NK 120 | 38 | 25,000 | GTG 038 | 100 |
| A33510500360458 | PSG 050 | NK 36 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |
| A33510500500458 | PSG 050 | NK 50 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |
| A33510500600458 | PSG 050 | NK 60 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |
| A33510500800458 | PSG 050 | NK 80 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |
| A33510501200458 | PSG 050 | NK 120 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |
| A33510501800458 | PSG 050 | NK 180 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |
| A33510502400458 | PSG 050 | NK 240 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |
| A33510750600458 | PSG 075 | NK 60 | 76 | 20,000 | GTG 075 | 50 |
| A33510750800458 | PSG 075 | NK 80 | 76 | 20,000 | GTG 075 | 50 |
| A33510751200458 | PSG 075 | NK 120 | 76 | 20,000 | GTG 075 | 50 |

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

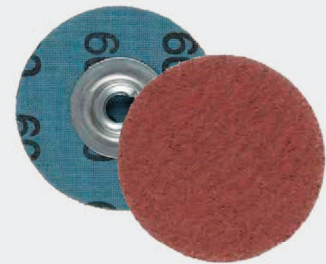
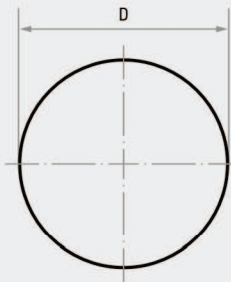
CAN ALSO HANDLE EDGES

THANKS TO THE REINFORCED BACKING MATERIAL
ALSO SUITABLE FOR THE TOUGHEST APPLICATIONS



PSG reinforced self-clamping regular aluminium oxide abrasive disc

- made of abrasive cloth with regular aluminium oxide and reinforced backing material
- The reinforcement makes these discs suitable for the toughest applications and beveling.
- fitted with a "quick lock" – fastened to the respective carrier by a small twist
- ▶ The matching tool carriers can be found on [page 223](#).

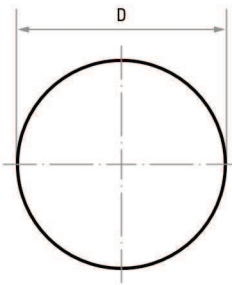
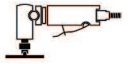


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| Product number | Description | Quality/grit size | D mm | n _{max} rpm | Matching abrasive disc carrier | Pack contains |
|-----------------|-------------|-------------------|------|----------------------|--------------------------------|---------------|
| A33520250600458 | PSG 025 | NKE 60 | 25 | 38,000 | GTG 025 | 100 |
| A33520250800458 | PSG 025 | NKE 80 | 25 | 38,000 | GTG 025 | 100 |
| A33520251200458 | PSG 025 | NKE 120 | 25 | 38,000 | GTG 025 | 100 |
| A33520251800458 | PSG 025 | NKE 180 | 25 | 38,000 | GTG 025 | 100 |
| A33520252400458 | PSG 025 | NKE 240 | 25 | 38,000 | GTG 025 | 100 |
| A33520380600458 | PSG 038 | NKE 60 | 38 | 25,000 | GTG 038 | 100 |
| A33520380800458 | PSG 038 | NKE 80 | 38 | 25,000 | GTG 038 | 100 |
| A33520381200458 | PSG 038 | NKE 120 | 38 | 25,000 | GTG 038 | 100 |
| A33520500360458 | PSG 050 | NKE 36 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |
| A33520500600458 | PSG 050 | NKE 60 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |
| A33520500800458 | PSG 050 | NKE 80 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |
| A33520501200458 | PSG 050 | NKE 120 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |
| A33520501800458 | PSG 050 | NKE 180 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |
| A33520502400458 | PSG 050 | NKE 240 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |
| A33520750800458 | PSG 075 | NKE 80 | 76 | 20,000 | GTG 075 | 50 |

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

PSG self-clamping abrasive disc, abrasive fleece

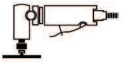


- ideal for removing rust or paint, scratches and pre-grinding marks
- Improvement of surface quality
- fitted with a "quick lock" – fastened to the respective carrier by a small twist
- ▶ The matching tool carriers can be found on **page 223**.

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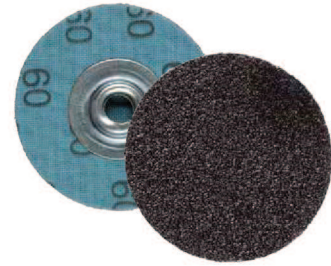
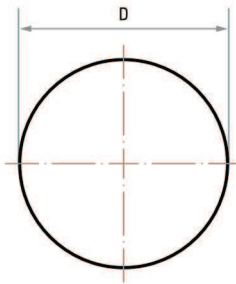
| | Product number | Description | Quality/grit size | D mm | n_{max} rpm | Matching abrasive disc carrier | Pack contains |
|------------|-----------------|-------------|-------------------|------|---------------|--------------------------------|---------------|
| NEW | A33740250040458 | PSG 025 | P coarse | 25 | 15,000 | GTG 025 | 50 |
| NEW | A33740250020458 | PSG 025 | P medium | 25 | 15,000 | GTG 025 | 50 |
| | A33740380050458 | PSG 038 | P fine | 38 | 10,000 | GTG 038 | 50 |
| | A33740380040458 | PSG 038 | P coarse | 38 | 10,000 | GTG 038 | 50 |
| | A33740380020458 | PSG 038 | P medium | 38 | 10,000 | GTG 038 | 50 |
| | A33740500050458 | PSG 050 | P fine | 50 | 7,500 | GTG 038 and GTG 050 | 50 |
| | A33740500040458 | PSG 050 | P coarse | 50 | 7,500 | GTG 038 and GTG 050 | 50 |
| | A33740500020458 | PSG 050 | P medium | 50 | 7,500 | GTG 038 and GTG 050 | 50 |
| | A33740750050458 | PSG 075 | P fine | 75 | 5,000 | GTG 075 | 25 |
| | A33740750040458 | PSG 075 | P coarse | 75 | 5,000 | GTG 075 | 25 |
| | A33740750020458 | PSG 075 | P medium | 75 | 5,000 | GTG 075 | 25 |
| NEW | A33550380040458 | PSG 038 | V coarse | 38 | 10,000 | GTG 038 | 50 |
| NEW | A33550380020458 | PSG 038 | V medium | 38 | 10,000 | GTG 038 | 50 |
| NEW | A33550380050458 | PSG 038 | V fine | 38 | 10,000 | GTG 038 | 50 |
| NEW | A33550500040458 | PSG 050 | V coarse | 50 | 8,000 | GTG 038 and GTG 050 | 50 |
| NEW | A33550500020458 | PSG 050 | V medium | 50 | 8,000 | GTG 038 and GTG 050 | 50 |
| NEW | A33550500050458 | PSG 050 | V fine | 50 | 8,000 | GTG 038 and GTG 050 | 50 |

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



PSG self-clamping silicon carbide abrasive disc

- no heat accumulation
- ideal for machining titanium and titanium alloys, aluminium (aerospace industry), as well as plastics and ceramics
- fitted with a "quick lock" – fastened to the respective carrier by a small twist
- ▶ The matching tool carriers can be found at the bottom of this page.

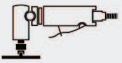


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| Product number | Description | Quality/grit size | D mm | n _{max} rpm | Matching abrasive disc carrier | Pack contains |
|-----------------|-------------|-------------------|------|----------------------|--------------------------------|---------------|
| A33780380360458 | PSG 038 | SIC 36 | 38 | 25,000 | GTG 038 | 100 |
| A33780380600458 | PSG 038 | SIC 60 | 38 | 25,000 | GTG 038 | 100 |
| A33780380800458 | PSG 038 | SIC 80 | 38 | 25,000 | GTG 038 | 100 |
| A33780500600458 | PSG 050 | SIC 60 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |
| A33780500800458 | PSG 050 | SIC 80 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |
| A33780501200458 | PSG 050 | SIC 120 | 51 | 25,000 | GTG 038 and GTG 050 | 100 |

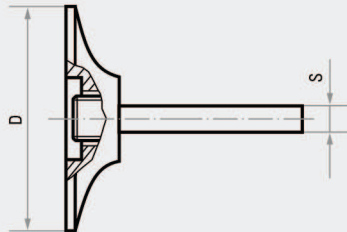
Recommended for: ● Aluminium ● Plastic/Wood ● Titanium ● Inox/Steel ● Steel ● Cast material

GRINDING AND POLISHING (with flexible tools)



GTG abrasive disc carrier for self-clamping abrasive discs

The carriers are supplied in a universally-used medium hardness. This medium type is suitable for almost every application. Please use the hard type for the toughest machining jobs (Z-Power and Ceramic).



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| Product number | Description | Type | D mm | S mm | n _{max} rpm | Pack contains |
|------------------|-------------|--------|------|------|----------------------|---------------|
| A335002000260458 | GTG 020.06 | medium | 18 | 6 | 47,000 | 1 |
| A335002500260458 | GTG 025.06 | medium | 23 | 6 | 38,000 | 1 |
| A335003800260458 | GTG 038.06 | medium | 33 | 6 | 30,000 | 1 |
| A335005000260458 | GTG 050.06 | medium | 45 | 6 | 25,000 | 1 |
| A335005000360458 | GTG 050.06 | hard | 45 | 6 | 25,000 | 1 |
| A335007500260458 | GTG 075.06 | medium | 70 | 6 | 20,000 | 1 |
| A335007500360458 | GTG 075.06 | hard | 70 | 6 | 20,000 | 1 |

PSR ABRASIVE DISCS

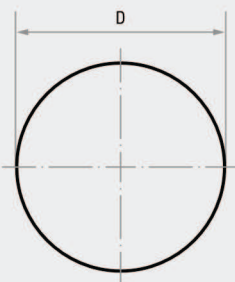
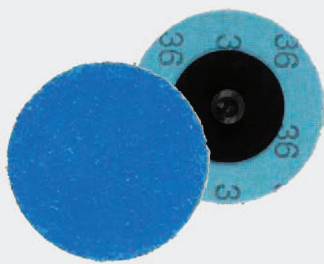
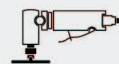
Quality and applications

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 PSR range in the following overview. Read through the properties and application details for the different workpiece materials to find the right abrasives and tools that meet your requirements.

| Quality | Properties | Application areas/machining | Page |
|--|--|--|------|
|  ZK Abrasive cloth Zirconia alumina | exceptionally resilient grain with high pressure resistance | ideal for Hastelloy, Inconel, stainless steel and metals that are difficult to machine | 224 |
|  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 | 225 |
|  Abrasive fleece Regular aluminium oxide medium/red-brown | | | |
|  Abrasive fleece Regular aluminium oxide fine/blue | | | |

PSR self-clamping zirconia alumina abrasive disc

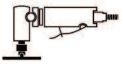


- made from abrasive cloth with zirconia alumina
- ideal for Hastelloy, Inconel, stainless steel and metals that are to machine
- with a plastic thread – fastened to the respective carrier by a small twist
- ▶ The matching tool carrier can be found on **page 227**.

★★☆

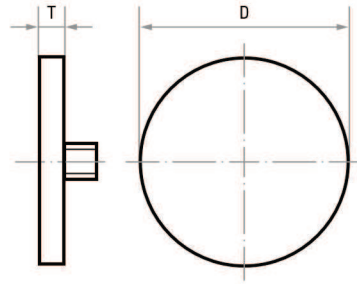
| Product number | Description | Quality/grit size | D mm | n_{max} rpm | Matching abrasive disc carrier | Pack contains |
|----------------------------|-------------|-------------------|---------|------------------|-----------------------------------|------------------|
| A33630500360458 | PSR 050 | ZK 36 | 51 | 25,000 | GTR 038 and GTR 050 | 100 |
| A33630500600458 | PSR 050 | ZK 60 | 51 | 25,000 | GTR 038 and GTR 050 | 100 |
| A33630500800458 | PSR 050 | ZK 80 | 51 | 25,000 | GTR 038 and GTR 050 | 100 |
| NEW A33630501200458 | PSR 050 | ZK 120 | 51 | 25,000 | GTR 038 and GTR 050 | 100 |
| A33630750360458 | PSR 075 | ZK 36 | 76 | 20,000 | GTR 075 | 50 |
| A33630750600458 | PSR 075 | ZK 60 | 76 | 20,000 | GTR 075 | 50 |
| A33630750800458 | PSR 075 | ZK 80 | 76 | 20,000 | GTR 075 | 50 |

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



PSR self-clamping abrasive disc, narrow abrasive fleece

- ideal for removing rust or paint, scratches and pre-grinding marks
- P version with narrow abrasive fleece
- Improvement of surface quality
- with a plastic thread – fastened to the respective carrier by a small twist
- ▶ The matching tool carrier can be found on [page 227](#).

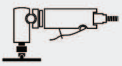


★★☆

| Product number | Description | Quality/grit size | D mm | T mm | n _{max} rpm | Matching abrasive disc carrier | Pack contains |
|-----------------|-------------|-------------------|------|------|----------------------|--------------------------------|---------------|
| A33750380020458 | PSR 038 | P medium | 38 | 6 | 10,000 | GTR 038 | 50 |
| A33750380050458 | PSR 038 | P fine | 38 | 6 | 10,000 | GTR 038 | 50 |
| A33750500040458 | PSR 050 | P coarse | 51 | 6 | 7,500 | GTR 038 and GTR 050 | 50 |
| A33750500020458 | PSR 050 | P medium | 51 | 6 | 7,500 | GTR 038 and GTR 050 | 50 |
| A33750500050458 | PSR 050 | P fine | 51 | 6 | 7,500 | GTR 038 and GTR 050 | 50 |
| A33750750040458 | PSR 075 | P coarse | 76 | 6 | 5,000 | GTR 038, GTR 050 and GTR 075 | 25 |
| A33750750050458 | PSR 075 | P fine | 76 | 6 | 5,000 | GTR 038, GTR 050 and GTR 075 | 25 |
| A33750750020458 | PSR 075 | P medium | 76 | 6 | 5,000 | GTR 038, GTR 050 and GTR 075 | 25 |

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

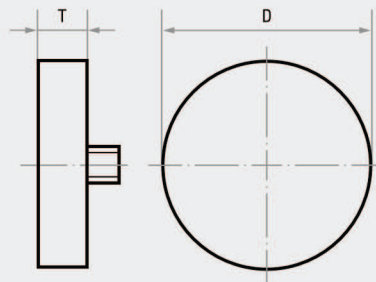
GRINDING AND POLISHING (with flexible tools)



PSR self-clamping abrasive disc, wide abrasive fleece

NEW

- ideal for removing rust or paint, scratches and pre-grinding marks
- V version with wider and softer abrasive fleece
- Improvement of surface quality
- with a plastic thread – fastened to the respective carrier by a small twist
- ▶ The matching tool carrier can be found on [page 227](#).

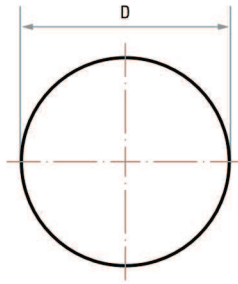
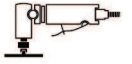


★★☆

| Product number | Description | Quality/grit size | D mm | T mm | n _{max} rpm | Matching abrasive disc carrier | Pack contains |
|-----------------|-------------|-------------------|------|------|----------------------|--------------------------------|---------------|
| A33760500040458 | PSR 050 | V coarse | 51 | 12 | 8,000 | GTR 038 and GTR 050 | 50 |
| A33760500020458 | PSR 050 | V medium | 51 | 10 | 8,000 | GTR 038 and GTR 050 | 50 |
| A33760500050458 | PSR 050 | V fine | 51 | 8 | 8,000 | GTR 038 and GTR 050 | 50 |

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

SLTG self-clamping lamellar flap disc

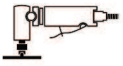


- excellent machining performance
- good grip even at low contact pressure
- long tool life (compared to surface grinding discs)
- Flap projection
- elastic
- perfectly suitable for use with robots
- with a plastic thread – fastened to the respective carrier by a small twist

★★☆

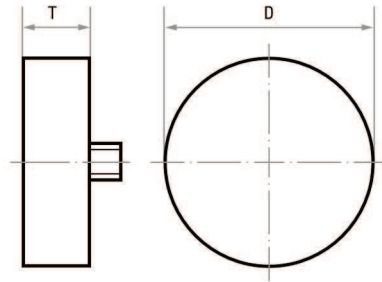
| Product number | Description | Grit | D mm | n_{max} rpm | Matching abrasive disc carrier | Pack contains |
|-----------------|-------------|--------|------|---------------|--------------------------------|---------------|
| A33310500401623 | SLTG 050 R | ZK 40 | 50 | 19,000 | GTR 038.06 | 10 |
| A33310500601623 | SLTG 050 R | ZK 60 | 50 | 19,000 | GTR 038.06 | 10 |
| A33310500801623 | SLTG 050 R | ZK 80 | 50 | 19,000 | GTR 038.06 | 10 |
| A33310501201623 | SLTG 050 R | ZK 120 | 50 | 19,000 | GTR 038.06 | 10 |
| A33310650401623 | SLTG 065 R | ZK 40 | 65 | 14,700 | GTR 050.06 | 10 |
| A33310650601623 | SLTG 065 R | ZK 60 | 65 | 14,700 | GTR 050.06 | 10 |
| A33310650801623 | SLTG 065 R | ZK 80 | 65 | 14,700 | GTR 050.06 | 10 |
| A33310750401623 | SLTG 075 R | ZK 40 | 75 | 12,700 | GTR 050.06 | 10 |
| A33310750601623 | SLTG 075 R | ZK 60 | 75 | 12,700 | GTR 050.06 | 10 |
| A33310750801623 | SLTG 075 R | ZK 80 | 75 | 12,700 | GTR 050.06 | 10 |
| A33310751201623 | SLTG 075 R | ZK 120 | 75 | 12,700 | GTR 050.06 | 10 |

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



ASVR self-clamping flap disc NEW

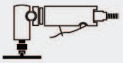
- the all-rounder for removing paint, adhesive residue and rust, as well as cleaning and polishing a wide variety of surface materials
- made of resilient materials for a long tool life, high stock removal performance and fast operation
- with a plastic thread – fastened to the respective carrier by a small twist



★★☆

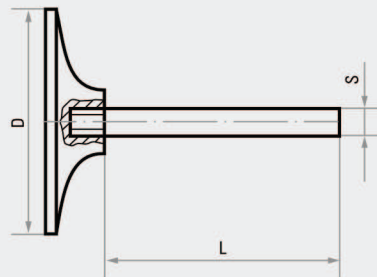
| Product number | Description | D mm | T mm | n_{max} rpm | Matching abrasive disc carrier | Pack contains |
|--|-------------|------|------|---------------|--------------------------------|---------------|
| A2291050002 | ASVR 050 | 51 | 16 | 10,500 | GTR 050.06 | 10 |
| Recommended for: ● Inox/Steel ● Steel ● Cast material ● Titanium | | | | | | |

GRINDING AND POLISHING (with flexible tools)



GTR abrasive disc carrier for self-clamping abrasive discs and flap discs

The carriers are supplied in a universally-used medium hardness. This medium type is suitable for almost every application.



★★☆

| Product number | Description | Type | D mm | L mm | S mm | n_{max} rpm | Pack contains |
|------------------|-------------|--------|------|------|------|---------------|---------------|
| A336003800260458 | GTR 038.06 | medium | 33 | 40 | 6 | 30,000 | 1 |
| A336005000260458 | GTR 050.06 | medium | 45 | 40 | 6 | 25,000 | 1 |
| A336007500260458 | GTR 075.06 | medium | 70 | 40 | 6 | 20,000 | 1 |

PSK ABRASIVE DISCS

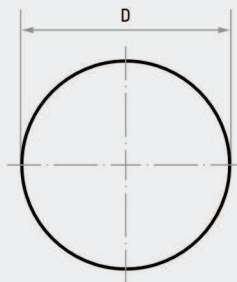
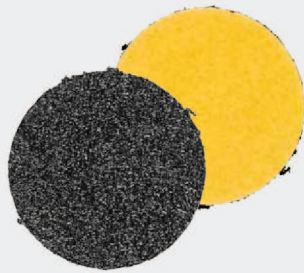
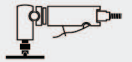
Quality and applications

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 PSK range in the following overview. Read through the properties and application details for the different workpiece materials to find the right abrasives and tools that meet your requirements.

| Quality | Properties | Application areas/machining | Page |
|---|---|---|------|
|  NK Abrasive cloth Regular aluminium oxide | very tough abrasive, high resilience | universal grinding and deburring | 229 |
|  SIC Abrasive cloth Silicon carbide | minimum heat accumulation, special quality for the aviation industry | Ideal for machining titanium, titanium alloys and aluminium (aerospace industry). Plastics and ceramics can also be processed. | 228 |

PSK adhesive silicon carbide abrasive disc

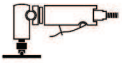


- no heat accumulation
- ideal for machining titanium and titanium alloys, aluminium (aviation industry), as well as plastics and ceramic
- Adhesive: After removing the film, these abrasive discs are easily stuck to the respective carrier.
- ▶ The matching tool carrier can be found on **page 230**.

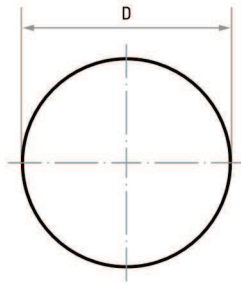
★★☆

| Product number | Description | Grit | D mm | Pack contains |
|----------------|-------------|---------|------|---------------|
| A2305018080 | PSK 018 | SIC 80 | 21 | 100 |
| A2305018120 | PSK 018 | SIC 120 | 21 | 100 |
| A2305030080 | PSK 030 | SIC 80 | 33 | 100 |
| A2305030120 | PSK 030 | SIC 120 | 33 | 100 |
| A2305045120 | PSK 045 | SIC 120 | 48 | 100 |

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



PSK adhesive regular aluminium oxide abrasive disc



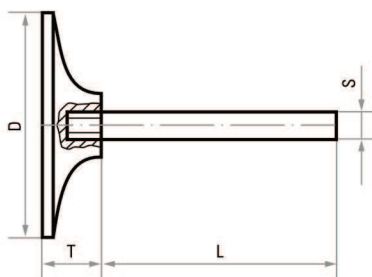
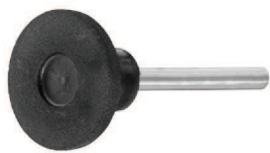
- for universal grinding and deburring
- Adhesive: After removing the film, these abrasive discs are easily stuck to the respective carrier.
- ▶ The matching tool carrier can be found on **page 230**.



| Product number | Description | Grit | D mm | Pack contains |
|----------------|-------------|--------|------|---------------|
| A2300018060 | PSK 018 | NK 60 | 21 | 100 |
| A2300018080 | PSK 018 | NK 80 | 21 | 100 |
| A2300018120 | PSK 018 | NK 120 | 21 | 100 |
| A2300018150 | PSK 018 | NK 150 | 21 | 100 |
| A2300018180 | PSK 018 | NK 180 | 21 | 100 |
| A2300018240 | PSK 018 | NK 240 | 21 | 100 |
| A2300030060 | PSK 030 | NK 60 | 33 | 100 |
| A2300030080 | PSK 030 | NK 80 | 33 | 100 |
| A2300030120 | PSK 030 | NK 120 | 33 | 100 |
| A2300030150 | PSK 030 | NK 150 | 33 | 100 |
| A2300030180 | PSK 030 | NK 180 | 33 | 100 |
| A2300030240 | PSK 030 | NK 240 | 33 | 100 |
| A2300045060 | PSK 045 | NK 60 | 48 | 100 |
| A2300045080 | PSK 045 | NK 80 | 48 | 100 |
| A2300045120 | PSK 045 | NK 120 | 48 | 100 |
| A2300045150 | PSK 045 | NK 150 | 48 | 100 |
| A2300045180 | PSK 045 | NK 180 | 48 | 100 |
| A2300045240 | PSK 045 | NK 240 | 48 | 100 |
| A2300060060 | PSK 060 | NK 60 | 63 | 100 |
| A2300060080 | PSK 060 | NK 80 | 63 | 100 |
| A2300060120 | PSK 060 | NK 120 | 63 | 100 |
| A2300060150 | PSK 060 | NK 150 | 63 | 100 |
| A2300075060 | PSK 075 | NK 60 | 78 | 100 |
| A2300075080 | PSK 075 | NK 80 | 78 | 100 |
| A2300075120 | PSK 075 | NK 120 | 78 | 100 |
| A2300075150 | PSK 075 | NK 150 | 78 | 100 |

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

GTK abrasive disc carrier for adhesive abrasive discs



The specified 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.

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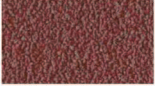



| Product number | Description | D mm | S mm | T mm | L mm | n_{max} rpm | Pack contains |
|----------------|-------------|---------|---------|---------|---------|------------------|------------------|
| A250301830001 | GTK 018.03 | 18 | 3 | 11 | 30 | 20,000 | 5 |
| A250303030001 | GTK 030.03 | 30 | 3 | 12 | 30 | 12,500 | 5 |
| A250303060001 | GTK 030.06 | 30 | 6 | 12 | 40 | 12,500 | 5 |
| A250304560001 | GTK 045.06 | 45 | 6 | 11 | 40 | 10,000 | 5 |
| A250306060001 | GTK 060.06 | 60 | 6 | 13 | 40 | 8,000 | 5 |
| A250307560001 | GTK 075.06 | 75 | 6 | 15 | 40 | 6,000 | 2 |

PSH 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

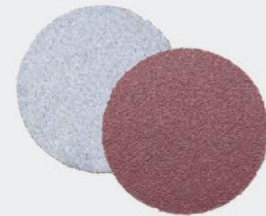
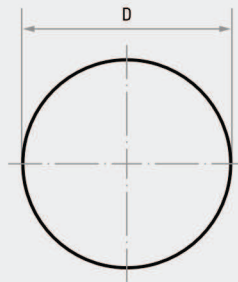
very wide selection. You will find all abrasive discs from the PSH range in the following overview. Read through the properties and application details for the different workpiece materials to find the right abrasives and tools that meet your requirements.

| Quality | | Properties | Application areas/machining | Page |
|--|--|--|---|---------|
|  | NK Abrasive cloth Regular aluminium oxide | very tough abrasive, high resilience | universal grinding and deburring | 231–233 |
|  | Abrasive fleece Regular aluminium oxide coarse/brown | polishing effect due to fibre structure, consistent results thanks to continuous exposure of new grinding particles, long tool life | ideal for removing rust or paint, scratches and pre-grinding marks; general improvement of the surface finish | 234 |
|  | Abrasive fleece Regular aluminium oxide medium/red-brown | | | |
|  | Abrasive fleece Regular aluminium oxide fine/green | | | |

GRINDING AND POLISHING
(with flexible tools)



PSH self-fixing regular aluminium oxide abrasive disc



- suitable for the universal machining of both flat and concave surfaces
- with Velcro material for fast tool changes
- ▶ The matching tool carrier can be found on [page 332](#).



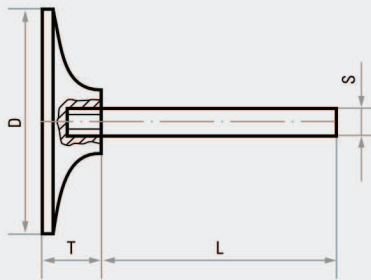
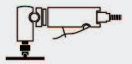
| Product number | Description | Grit | D mm | Pack contains |
|----------------|-------------|--------|------|---------------|
| A3300018060 | PSH 018 | NK 60 | 20 | 100 |
| A3300018080 | PSH 018 | NK 80 | 20 | 100 |
| A3300018120 | PSH 018 | NK 120 | 20 | 100 |
| A3300018150 | PSH 018 | NK 150 | 20 | 100 |
| A3300018180 | PSH 018 | NK 180 | 20 | 100 |
| A3300018240 | PSH 018 | NK 240 | 20 | 100 |
| A3300018320 | PSH 018 | NK 320 | 20 | 100 |
| A3300030060 | PSH 030 | NK 60 | 33 | 100 |
| A3300030080 | PSH 030 | NK 80 | 33 | 100 |
| A3300030120 | PSH 030 | NK 120 | 33 | 100 |
| A3300030150 | PSH 030 | NK 150 | 33 | 100 |
| A3300030180 | PSH 030 | NK 180 | 33 | 100 |
| A3300030240 | PSH 030 | NK 240 | 33 | 100 |

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

| Product number | Description | Grit | D mm | Pack contains |
|----------------|-------------|--------|------|---------------|
| A3300030320 | PSH 030 | NK 320 | 33 | 100 |
| A3300045060 | PSH 045 | NK 60 | 48 | 100 |
| A3300045080 | PSH 045 | NK 80 | 48 | 100 |
| A3300045120 | PSH 045 | NK 120 | 48 | 100 |
| A3300045150 | PSH 045 | NK 150 | 48 | 100 |
| A3300045180 | PSH 045 | NK 180 | 48 | 100 |
| A3300045240 | PSH 045 | NK 240 | 48 | 100 |
| A3300060060 | PSH 060 | NK 60 | 63 | 100 |
| A3300060080 | PSH 060 | NK 80 | 63 | 100 |
| A3300060120 | PSH 060 | NK 120 | 63 | 100 |
| A3300060150 | PSH 060 | NK 150 | 63 | 100 |
| A3300060180 | PSH 060 | NK 180 | 63 | 100 |
| A3300060240 | PSH 060 | NK 240 | 63 | 100 |
| A3300060320 | PSH 060 | NK 320 | 63 | 100 |
| A3300075060 | PSH 075 | NK 60 | 78 | 100 |
| A3300075080 | PSH 075 | NK 80 | 78 | 100 |
| A3300075120 | PSH 075 | NK 120 | 78 | 100 |
| A3300075150 | PSH 075 | NK 150 | 78 | 100 |
| A3300075180 | PSH 075 | NK 180 | 78 | 100 |
| A3300075240 | PSH 075 | NK 240 | 78 | 100 |
| A3300075320 | PSH 075 | NK 320 | 78 | 100 |
| A3300120060 | PSH 125 | NK 60 | 125 | 100 |
| A3300120080 | PSH 125 | NK 80 | 125 | 100 |

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

GTH abrasive disc carrier for self-fixing abrasive discs

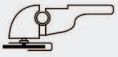


The GTH abrasive disc carriers with diameters of 18 and 30 mm have Inox hooks. Hooks with a diameter of 45 mm and greater are made of polyamide.

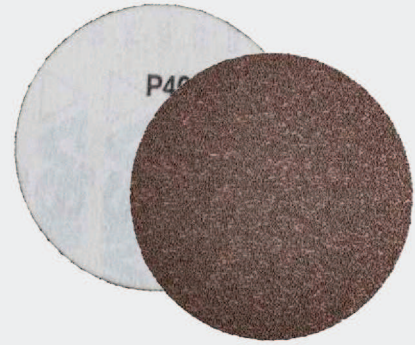
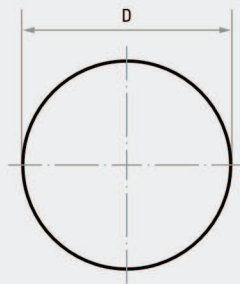
The stated maximum permissible speeds apply for a maximum overhang length L_0 of 20 mm. The maximum permissible speed must be calculated separately for other overhang lengths.



| Product number | Description | D mm | S mm | T mm | L mm | n_{max} rpm | Pack contains |
|----------------|-------------|------|------|------|------|---------------|---------------|
| A250401830001 | GTH 018.03 | 18 | 3 | 11 | 30 | 20,000 | 5 |
| A250403030001 | GTH 030.03 | 30 | 3 | 12 | 30 | 12,500 | 5 |
| A250403060001 | GTH 030.06 | 30 | 6 | 12 | 40 | 12,500 | 5 |
| A250404560001 | GTH 045.06 | 45 | 6 | 11 | 40 | 10,000 | 5 |
| A250406060001 | GTH 060.06 | 60 | 6 | 13 | 40 | 8,000 | 5 |
| A250407560001 | GTH 075.06 | 75 | 6 | 15 | 40 | 6,000 | 2 |
| A25041206 | GTH 120.06 | 120 | 6 | 20 | 25 | 4,000 | 2 |



PSH self-fixing compact grain abrasive disc NEW



- With high grain density on cutting edges thanks to compact grain: guarantees extremely high stock removal performance
- does not clog even with soft or smearing materials
- with Velcro material for fast tool changes

★★☆

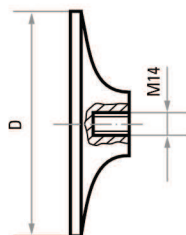
| Product number | Description | Grit | D mm | n _{recom} rpm | n _{max} rpm | Pack contains |
|-----------------|-------------|---------|------|------------------------|----------------------|---------------|
| A73001150800001 | PSH 115 | NK 80 | 115 | 4,800 | 8,000 | 50 |
| A73001151200004 | PSH 115 | NK 120 | 115 | 4,800 | 8,000 | 50 |
| A73001152400005 | PSH 115 | NK 240 | 115 | 4,800 | 8,000 | 50 |
| A73001154000005 | PSH 115 | NK 400 | 115 | 4,800 | 8,000 | 50 |
| A73001158000005 | PSH 115 | NK 800 | 115 | 4,800 | 8,000 | 50 |
| A73001151210005 | PSH 115 | NK 1200 | 115 | 4,800 | 8,000 | 50 |
| A73001250800005 | PSH 125 | NK 80 | 125 | 4,600 | 7,650 | 50 |
| A73001251200005 | PSH 125 | NK 120 | 125 | 4,600 | 7,650 | 50 |
| A73001252400005 | PSH 125 | NK 240 | 125 | 4,600 | 7,650 | 50 |
| A73001254000005 | PSH 125 | NK 400 | 125 | 4,600 | 7,650 | 50 |
| A73001258000005 | PSH 125 | NK 800 | 125 | 4,600 | 7,650 | 50 |
| A73001251210005 | PSH 125 | NK 1200 | 125 | 4,600 | 7,650 | 50 |
| A73001500800005 | PSH 150 | NK 80 | 150 | 3,800 | 6,350 | 50 |
| A73001501200006 | PSH 150 | NK 120 | 150 | 3,800 | 6,350 | 50 |
| A73001502400005 | PSH 150 | NK 240 | 150 | 3,800 | 6,350 | 50 |
| A73001504000005 | PSH 150 | NK 400 | 150 | 3,800 | 6,350 | 50 |
| A73001508000005 | PSH 150 | NK 800 | 150 | 3,800 | 6,350 | 50 |
| A73001501210005 | PSH 150 | NK 1200 | 150 | 3,800 | 6,350 | 50 |

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

GRINDING AND POLISHING (with flexible tools)



GTHX abrasive disc carrier for self-fixing abrasive discs with thread NEW



★★☆

| Product number | Description | Quality | D mm | Thread | n _{max} rpm | Pack contains |
|----------------|-------------|-------------------------|------|--------|----------------------|---------------|
| A38311151004 | GTHX 115 | medium for Velcro discs | 115 | M14 | 8,300 | 1 |
| A38311251004 | GTHX 125 | medium for Velcro discs | 125 | M14 | 7,600 | 1 |
| A38311501004 | GTHX 150 | medium for Velcro discs | 150 | M14 | 6,300 | 1 |

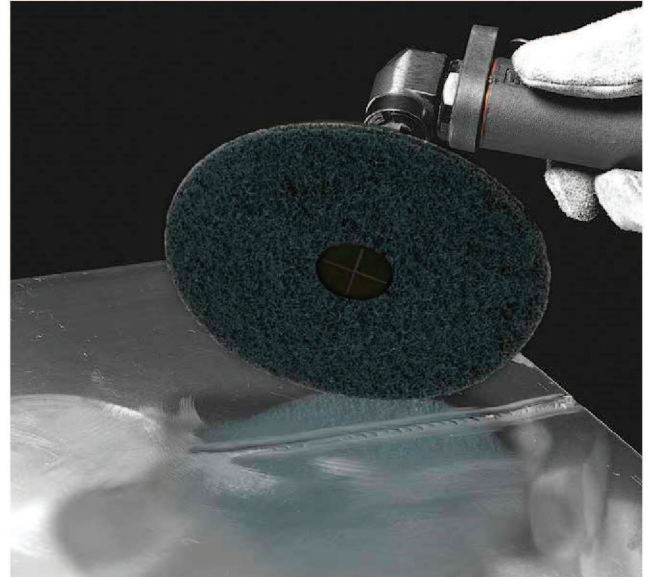
SELF-FIXING ABRASIVE FLEECE DISCS

ATTACHMENT MADE EASY THANKS TO THE FIXING SYSTEM

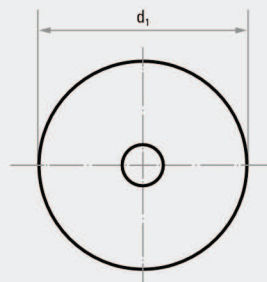
LUKAS PSH abrasive discs made of abrasive fleece are suitable for machining both flat and concave surfaces. Whether for removing rust or paint, scratches or pre-grinding marks, the polyamide material allows these discs to adapt themselves perfectly to uneven surfaces. You need less effort and time for your work, and yet still achieve perfect surface results. The fibre structure of the discs also produces a polishing effect and enables consistent results due to the constant exposure of new abrasive particles.

SECURE AND FAST

In addition, time-consuming tool changes are also a thing of the past because these abrasive discs are self-fixing. The respective disc carrier uses a Velcro backing quick change system, which keeps the tool firmly in position. This eliminates needless waste of packaging material unlike other self-adhesive discs, for example. Abrasive discs that have not been completely worn down during machining can be removed and reused another time.



NEW PSH self-fixing abrasive disc, abrasive fleece

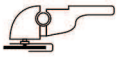


- suitable for machining both flat and concave surfaces
- adapts itself to uneven surfaces
- self-fixing to the respective carrier for a quick tool change
- ▶ The matching tool carrier can be found on **page 235**.

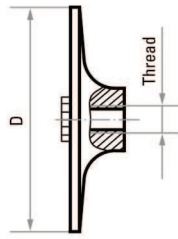


| Product number | Description | Quality | D mm | n _{recom} rpm | n _{max} rpm | Pack contains |
|----------------|-------------|------------------|------|------------------------|----------------------|---------------|
| A3380115102001 | PSH 115 | Fleece coarse | 115 | 4,100 | 8,300 | 10 |
| A3380115104001 | PSH 115 | Fleece medium | 115 | 4,100 | 8,300 | 10 |
| A3380115107001 | PSH 115 | Fleece very fine | 115 | 4,100 | 8,300 | 10 |
| A3380125102001 | PSH 125 | Fleece coarse | 125 | 3,800 | 7,600 | 10 |
| A3380125104001 | PSH 125 | Fleece medium | 125 | 3,800 | 7,600 | 10 |
| A3380125107001 | PSH 125 | Fleece very fine | 125 | 3,800 | 7,600 | 10 |

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



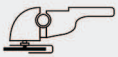
GTH abrasive disc carrier for abrasive fleece with centering pin NEW



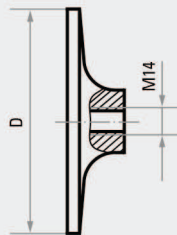
► especially for PSH with centering pin on page 234

★★☆

| Product number | Description | D mm | Thread | n _{max} rpm | Pack contains |
|----------------|-------------|------|--------|----------------------|---------------|
| A25041151402 | GTHZ 115 | 115 | M14 | 8,300 | 1 |
| A25041251402 | GTHZ 125 | 125 | M14 | 7,600 | 1 |



GTH abrasive disc carrier for abrasive fleece



★★☆

| Product number | Description | D mm | Thread | n _{max} rpm | Pack contains |
|----------------|-------------|------|--------|----------------------|---------------|
| A38311151003 | GTH 115 | 115 | M14 | 8,300 | 1 |
| A38311251003 | GTH 125 | 125 | M14 | 7,600 | 1 |