

Safety notes

- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.



Wear eye protection!



Wear hearing protection!



Wear gloves!



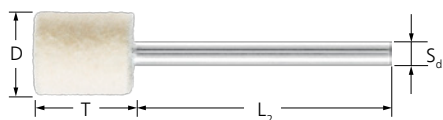
Wear a dust mask!



Follow the safety instructions!



Felt points FK



Shape ZYA

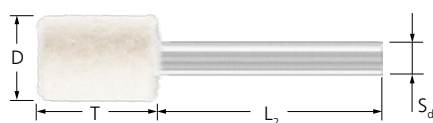
The cylindrical shape ZYA is mainly used peripherally for pre-polishing and high-gloss polishing. Can be profiled as desired, meaning they can also be used for tools with complex geometries. Precise retention of geometric shapes due to the hardness of these tools.

Special features:

- Outstanding result with diamond polishing pastes and polishing paste bars from PFERD TOOLS. Please order separately.

D [mm]	T [mm]	S _d [mm]	L ₂ [mm]	Version	Opt. RPM	Max. RPM		Item no.	Designation
4	12	3	37	M (medium)	23,000 – 47,000	119,000	10	44100412	FK ZYA 0412/3 M
6	10	3	35	M (medium)	16,000 – 32,000	79,500	10	44140610	FK ZYA 0610/3 M
				H (hard)	16,000 – 32,000	79,500	10	44100614	FK ZYA 0610/3 H
8	10	3	35	M (medium)	12,000 – 24,000	59,500	10	44140810	FK ZYA 0810/3 M
				H (hard)	12,000 – 24,000	59,500	10	44140816	FK ZYA 0810/3 H
10	12	3	34	M (medium)	10,000 – 20,000	47,500	10	44111009	FK ZYA 1012/3 M
				H (hard)	10,000 – 20,000	47,500	10	44111010	FK ZYA 1012/3 H
	15	3	32	M (medium)	10,000 – 20,000	47,500	10	44111013	FK ZYA 1015/3 M
				H (hard)	10,000 – 20,000	47,500	10	44161015	FK ZYA 1015/3 H
12	20	3	28	MS (metal insert)	10,000 – 20,000	47,500	10	44161014	FK ZYA 1015/3 MS
				M (medium)	7,950 – 15,900	39,500	10	44100038	FK ZYA 1220/3 M
				H (hard)	7,950 – 15,900	39,500	10	44100040	FK ZYA 1220/3 H
10	12	6	42	M (medium)	10,000 – 20,000	47,500	10	44111011	FK ZYA 1012/6 M
				H (hard)	10,000 – 20,000	47,500	10	44111012	FK ZYA 1012/6 H
	15	6	40	M (medium)	10,000 – 20,000	47,500	10	44101671	FK ZYA 1015/6 M
				H (hard)	10,000 – 20,000	47,500	10	44161016	FK ZYA 1015/6 H
12	20	6	36	M (medium)	7,950 – 15,900	39,500	10	44100042	FK ZYA 1220/6 M
				H (hard)	7,950 – 15,900	39,500	10	44100044	FK ZYA 1220/6 H





Shape ZYA with end hole

The cylindrical shape ZYA is mainly used face-down for pre-polishing and high-gloss polishing. Can be profiled as desired, meaning they can also be used for tools with complex geometries. Precise retention of geometric shapes due to the hardness of these tools.

Special features:

- Outstanding result with diamond polishing pastes and polishing paste bars from PFERD TOOLS. Please order separately.

- Particularly suitable for face-down use.

D [mm]	T [mm]	S _d [mm]	L ₂ [mm]	Version	Opt. RPM	Max. RPM		Item no.	Designation
15	20	3	28	M (medium)	6,000 – 12,000	31,500	10	44100046	FK ZYA 1520/3 M ST-BO
				H (hard)	6,000 – 12,000	31,500	10	44100048	FK ZYA 1520/3 H ST-BO
		6	38	M (medium)	6,000 – 12,000	31,500	10	44151520	FK ZYA 1520/6 M ST-BO
				H (hard)	6,000 – 12,000	31,500	10	44100050	FK ZYA 1520/6 H ST-BO
				MS (metal insert)	6,000 – 12,000	31,500	10	44161520	FK ZYA 1520/6 MS ST-BO
20	25	6	43	M (medium)	5,000 – 10,000	23,500	10	44101701	FK ZYA 2025/6 M ST-BO
				H (hard)	5,000 – 10,000	23,500	10	44100052	FK ZYA 2025/6 H ST-BO
25	30	6	40	M (medium)	4,000 – 8,000	19,000	10	44112536	FK ZYA 2530/6 M ST-BO
				H (hard)	4,000 – 8,000	19,000	10	44100054	FK ZYA 2530/6 H ST-BO



Shape SPK

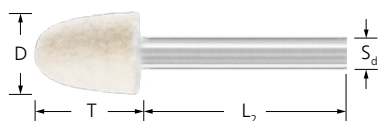
The conical pointed shape SPK is mainly used for pre-polishing and high-gloss polishing of radii and contours.

Special features:

- Precise retention of geometric shapes due to the hardness of these tools.
- Can be profiled as desired, meaning they can also be used for tools with complex geometries.

- Outstanding result with diamond polishing pastes and polishing paste bars from PFERD TOOLS. Please order separately.

D [mm]	T [mm]	S _d [mm]	L ₂ [mm]	Version	Opt. RPM	Max. RPM		Item no.	Designation
6	10	3	37	M (medium)	16,000 – 32,000	79,500	10	47901120	FK SPK 0610/3 M
				H (hard)	16,000 – 32,000	79,500	10	44100114	FK SPK 0610/3 H
	18	3	33	M (medium)	16,000 – 32,000	79,500	10	44100118	FK SPK 0618/3 M
				H (hard)	16,000 – 32,000	79,500	10	44100122	FK SPK 0618/3 H
8	12	3	36	M (medium)	12,000 – 24,000	59,500	10	44140812	FK SPK 0812/3 M
				H (hard)	12,000 – 24,000	59,500	10	44100128	FK SPK 0812/3 H
10	18	3	33	M (medium)	10,000 – 20,000	47,500	10	44171013	FK SPK 1018/3 M
				H (hard)	10,000 – 20,000	47,500	10	44100130	FK SPK 1018/3 H
12	18	3	33	M (medium)	8,000 – 16,000	39,500	10	44141218	FK SPK 1218/3 M
10	18	6	41	M (medium)	10,000 – 20,000	47,500	10	44101691	FK SPK 1018/6 M
				H (hard)	10,000 – 20,000	47,500	10	44100132	FK SPK 1018/6 H
15	20	6	42	M (medium)	6,000 – 12,000	31,500	10	44171526	FK SPK 1520/6 M
	30	6	45	M (medium)	6,000 – 12,000	31,500	10	44171536	FK SPK 1530/6 M
20	25	6	47	M (medium)	5,000 – 10,000	23,500	10	44152025	FK SPK 2025/6 M
25	30	6	45	M (medium)	4,000 – 8,000	19,000	10	47901128	FK SPK 2530/6 M
30	35	6	42	M (medium)	3,200 – 6,350	15,500	10	47901129	FK SPK 3035/6 M



Shape KEL

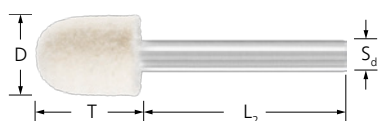
The conical shape KEL is mainly used for pre-polishing and high-gloss polishing of radii.



Special features:

- Precise retention of geometric shapes due to the hardness of these tools.
- Can be profiled as desired, meaning they can also be used for tools with complex geometries.
- Outstanding result with diamond polishing pastes and polishing paste bars from PFERD TOOLS. Please order separately.

D [mm]	T [mm]	S _d [mm]	L ₂ [mm]	Version	Opt. RPM	Max. RPM		Item no.	Designation
6	10	3	37	M (medium)	16,000 – 32,000	79,500	10	47901130	FK KEL 0610/3 M
10	15	3	34	M (medium)	10,000 – 20,000	47,500	10	47901133	FK KEL 1015/3 M
		6	40	M (medium)	10,000 – 20,000	47,500	10	47901141	FK KEL 1015/6 M
15	20	6	42	M (medium)	6,000 – 12,000	31,500	10	44151521	FK KEL 1520/6 M
20	25	6	47	M (medium)	5,000 – 10,000	23,500	10	44182026	FK KEL 2025/6 M
				H (hard)	5,000 – 10,000	23,500	10	44100190	FK KEL 2025/6 H
	30	6	45	M (medium)	5,000 – 10,000	23,500	10	44100192	FK KEL 2030/6 M
				H (hard)	5,000 – 10,000	23,500	10	44100193	FK KEL 2030/6 H
25	30	6	45	M (medium)	4,000 – 8,000	19,000	10	44101711	FK KEL 2530/6 M
30	35	6	42	M (medium)	3,200 – 6,350	15,500	10	44101721	FK KEL 3035/6 M



Shape WRC

The cylindrical shape with radius end WRC is mainly used for pre-polishing and high-gloss polishing of small, concave contours.



Special features:

- Precise retention of geometric shapes due to the hardness of these tools.
- Can be profiled as desired, meaning they can also be used for tools with complex geometries.
- Use diamond polishing pastes and polishing paste bars. Please order separately.

D [mm]	T [mm]	S _d [mm]	L ₂ [mm]	Version	Opt. RPM	Max. RPM		Item no.	Designation
6	10	3	36	M (medium)	16,000 – 32,000	79,500	10	47901099	FK WRC 0610/3 M
8	12	3	43	M (medium)	12,000 – 24,000	59,500	10	44140813	FK WRC 0812/3 M
10	14	3	35	M (medium)	10,000 – 20,000	47,500	10	44141014	FK WRC 1014/3 M
15	20	6	42	M (medium)	6,000 – 12,000	31,500	10	44131526	FK WRC 1520/6 M
20	25	6	47	M (medium)	5,000 – 10,000	23,500	10	44132026	FK WRC 2025/6 M
25	30	6	45	M (medium)	4,000 – 8,000	19,000	10	44132536	FK WRC 2530/6 M





Shape TRE

The oval shape TRE is mainly used for pre-polishing and high-gloss polishing of small radii.

Special features:

- Precise retention of geometric shapes due to the hardness of these tools.
- Can be profiled as desired, meaning they can also be used for tools with complex geometries.
- Outstanding result with diamond polishing pastes and polishing paste bars from PFERD TOOLS. Please order separately.

D [mm]	T [mm]	S _d [mm]	L ₂ [mm]	Version	Opt. RPM	Max. RPM		Item no.	Designation
6	10	3	37	M (medium)	16,000 – 32,000	79,500	10	44100272	FK TRE 0610/3 M
8	12	3	36	M (medium)	12,000 – 24,000	59,500	10	44100276	FK TRE 0812/3 M
10	14	3	35	M (medium)	10,000 – 20,000	47,500	10	44100280	FK TRE 1014/3 M
		6	43	M (medium)	10,000 – 20,000	47,500	10	44101681	FK TRE 1014/6 M



Shape WKN

The tapered shape WKN is mainly used for pre-polishing and high-gloss polishing of interior angles.

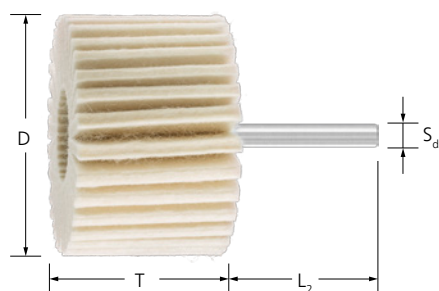
Special features:

- Precise retention of geometric shapes due to the hardness of these tools.
- Can be profiled as desired, meaning they can also be used for tools with complex geometries.
- Outstanding result with diamond polishing pastes and polishing paste bars from PFERD TOOLS. Please order separately.

D [mm]	T [mm]	S _d [mm]	L ₂ [mm]	Version	Opt. RPM	Max. RPM		Item no.	Designation
10	15	3	32	M (medium)	10,000 – 20,000	47,500	10	44100326	FK WKN 1015/3 M
12	12	3	36	M (medium)	8,000 – 16,000	39,500	10	44100330	FK WKN 1212/3 M
				H (hard)	8,000 – 16,000	39,500	10	44100334	FK WKN 1212/3 H
15	15	3	32	M (medium)	6,000 – 12,000	31,500	10	44100336	FK WKN 1515/3 M
				H (hard)	6,000 – 12,000	31,500	10	44100338	FK WKN 1515/3 H
20	16	3	28	M (medium)	5,000 – 10,000	23,500	10	44100340	FK WKN 2016/3 M
		6	38	M (medium)	5,000 – 10,000	23,500	10	44152016	FK WKN 2016/6 M

Polishing tools

Mounted felt flap wheels



FLS

Mounted felt flap wheels are used for pre-polishing and high-gloss polishing on small to medium-sized components.

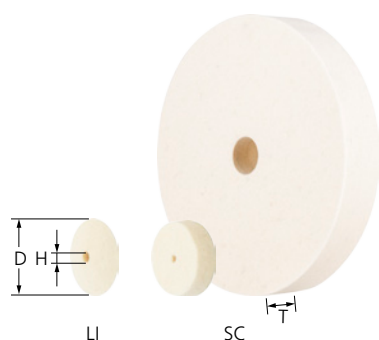


Special features:

- Highly flexible, enabling optimal adjustment to the contour. Low thermal load on the workpiece.
- If very fine finishes need to be achieved, the two types can be used successively.
- Use a polishing paste bar. Please order separately.

D [mm]	T [mm]	S _d [mm]	L ₂ [mm]	Version	Opt. RPM	Max. RPM		Item no.	Designation
30	20	6	40	W (soft)	6,300	20,000	5	44383020	FLS 3020/6 W
				H (hard)	6,300	20,000	5	44383021	FLS 3020/6 H
40	20	6	40	W (soft)	4,750	15,000	5	44384020	FLS 4020/6 W
				H (hard)	4,750	15,000	5	44384021	FLS 4020/6 H
50	30	6	40	W (soft)	3,800	12,000	5	44385030	FLS 5030/6 W
				H (hard)	3,800	12,000	5	44385031	FLS 5030/6 H
60	40	6	40	W (soft)	3,150	10,000	5	44386040	FLS 6040/6 W
				H (hard)	3,150	10,000	5	44386041	FLS 6040/6 H
80	50	6	40	W (soft)	2,400	7,500	5	44388050	FLS 8050/6 W
				H (hard)	2,400	7,500	5	44388051	FLS 8050/6 H

Felt wheels and lenses FK SC/LI



FK SC/LI

Felt wheels and lenses are mainly used peripherally.



Special features:

- Precise retention of geometric shapes due to the hardness of these tools.
- Use diamond polishing pastes and polishing paste bars. Please order polishing pastes and compatible arbor separately.

D [mm]	T [mm]	H [mm]	Version	Opt. RPM	Max. RPM	Suitable arbors		Item no.	Designation
Lenses									
17	5	2	H (hard)	5,600 – 11,000	28,000	BO 2,3/1-6, BO 3/1,6	10	44367008	FK LI 1705/2 H
22	5	2	H (hard)	4,300 – 8,650	21,700	BO 2,3/1-6, BO 3/1,6	10	44367009	FK LI 2205/2 H
Discs									
17	5	2	M (medium)	5,600 – 11,000	28,000	BO 2,3/1-6, BO 3/1,6	10	44367005	FK SC 1705/2 M
20	5	2	M (medium)	5,000 – 10,000	23,500	BO 2,3/1-6, BO 3/1,6	10	44367006	FK SC 2005/2 M

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Polishing tools

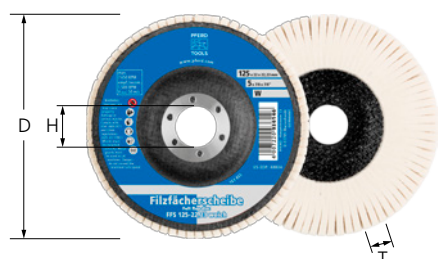
Felt wheels and lenses FK SC/LI



D [mm]	T [mm]	H [mm]	Version	Opt. RPM	Max. RPM	Suitable arbors		Item no.	Designation
30	5	2	M (medium)	3,000 – 6,000	20,000	BO 2,3/1-6, BO 3/1,6	10	44367007	FK SC 3005/2 M
	7	6	M (medium)	3,000 – 6,000	20,000	BO 6/6 3-10	5	44101742	FK SC 3007/6 M
45	9	6	M (medium)	2,000 – 4,000	13,500	BO 6/6 3-10	5	44101732	FK SC 4509/6 M
60	10	6	M (medium)	1,500 – 3,000	10,000	BO 6/6 3-10	5	44316010	FK SC 6010/6 M
80	10	10	M (medium)	1,000 – 2,000	7,500	BO 8/10	5	44367010	FK SC 8010/10 M
			MS (metal insert)	1,000 – 2,000	7,500	BO 8/10	5	44330801	FK SC 8010/10 MS
100	20	10	M (medium)	900 – 1,800	6,100	BO 8/10	1	44367110	FK SC 10020/10 M
			MS (metal insert)	900 – 1,800	6,100	BO 8/10	1	44331002	FK SC 10020/10 MS
125	20	20	M (medium)	750 – 1,500	4,900	BO 12/20, BO MK 1/20	1	44367220	FK SC 12520/20 M
			MS (metal insert)	750 – 1,500	4,900	BO 12/20, BO MK 1/20	1	44331252	FK SC 12520/20 MS
150	25	20	M (medium)	600 – 1,200	4,000	BO 12/20, BO MK 1/20	1	44367320	FK SC 15025/20 M
200	30	20	M (medium)	500 – 1,000	3,000	BO 12/20, BO MK 1/20	1	44367420	FK SC 20030/20 M



Felt flap discs FFS



FFS

Felt flap discs are used for pre-polishing and high-gloss polishing on medium-sized to large components.



Special features:

- Highly flexible, enabling optimal adjustment to the contour. Low thermal load on the workpiece.
- Use a polishing paste bar. Please order separately.

D [mm]	T [mm]	H [mm]	Version	Opt. RPM	Max. RPM		Item no.	Designation
115	22	22.23	W (soft)	1,650	8,350	5	44370115	FFS 115/22,23 W
			H (hard)	1,650	8,350	5	44371115	FFS 115/22,23 H
125	22	22.23	W (soft)	1,500	7,650	5	44370125	FFS 125/22,23 W
			H (hard)	1,500	7,650	5	44371125	FFS 125/22,23 H