



PFERD provides POLICAP® abrasive caps and cones with various

- shapes,
- dimensions,
- abrasives and
- grit sizes.

POLICAP® tools have a seamless design and the entire tool surface can be used.

Matching, reusable holders in various shapes are available for using abrasive caps and cones. The high degree of fitting accuracy between the components ensures that the abrasive caps and cones remain securely attached to the holder during use.

Advantages:

- Because of slots, the holder expands during use, guaranteeing that the abrasive cap/ cone is firmly clamped in place
- Good dimensional stability and excellent fine grinding thanks to a special manufacturing process
- Easy tool change

Application examples:

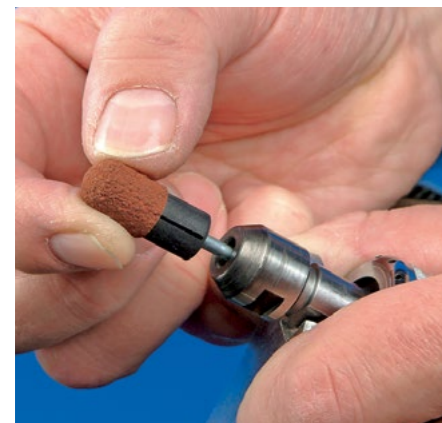
- Fine grinding in tool and mould construction
- Finishing on turbine blades after repair
- Feather edging of radii at transitions after milling frames in aircraft construction
- Fine grinding of hard-to-reach areas and bores
- Levelling of transitions in fitting and pump construction

Recommendations for use:

- Abrasive caps and cones can be mounted and removed by turning them slightly to the right
- Abrasive caps and cones are easier to replace when the holder is mounted on the tool drive
- Abrasive caps and cones achieve their best performance at a recommended cutting speed of 10–20 m/s

Safety notes:

- The maximum permitted peripheral speed is 25 m/s
- For safety reasons, it is imperative to remain within the stated maximum permitted rotational speed at all times

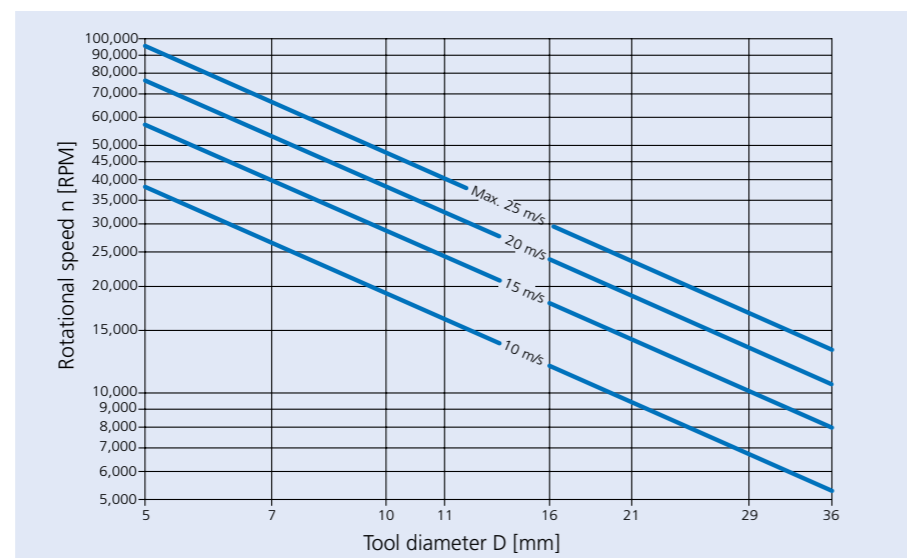


<p>Aluminium oxide A type (AL₂O₃)</p> <p>A 60/80 A 150 A 280</p>	<p>For universal use on steel materials (hardened, tempered, non-hardened). Specially developed for specific tasks, e.g. in tool and mould construction and for appropriate repair work. Also suitable for working on plastics, wood and filler in model making.</p>
<p>SiC-COOL type (silicon carbide with abrasive grinding layer)</p>	<p>Ideal for working on components made of titanium, aluminium and their respective alloys. Outstandingly well suited to use in aircraft and turbine construction and the associated maintenance work. The special grain selection and the abrasive grinding additive in the bond enable cool grinding, reduce the workpiece temperature and prevent chip adhesion.</p>
<p>CO-COOL type (ceramic oxide grain with abrasive grinding layer)</p>	<p>Due to the specific structure of the ceramic oxide grain and the abrasive bond components, ideally suited to working on stainless steels (INOX) and the heat-resistant nickel- and cobalt-based alloys often used in turbine construction, such as Iconel® and Hastelloy®. The abrasive grinding additives prevent clogging and permit cooler grinding with significantly higher stock removal.</p>

Cutting speeds

In the diagram, the cutting speeds are represented by blue diagonal lines. The vertical line representing the tool diameter meets the given cutting speed (diagonals). From its point of intersection, proceed horizontally to the left margin where you will find the corresponding rotational speed [RPM] for the POLICAP® tool and tool drive.

Example:
PC 1015 A A 150
Cutting speed: 10–20 m/s
Rotational speed: 19,000–38,000 RPM



PFERDVIDEO
You will receive more information here or at www.pferd.com

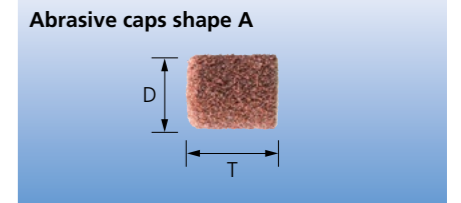
Abrasive: Aluminium oxide A

Grit size colour code:
60 and 80 = brown
150 = black
280 = red-brown

Ordering example:
EAN 4007220150788
PC 0510 A A 80

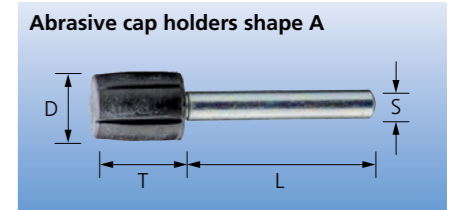
Please complete the description with the desired grit size.

Ordering example explanation:
PC = POLICAP® abrasive cap
0510 = Inner dia. D x width T
A = Cylindrical shape
A = Abrasive
80 = Grit size



Description	Grit size				D x T [mm]	Recom. speed [RPM]	
	60	80	150	280			
	EAN 4007220						
PC 0510 A A	-	150788	150795	150801	5 x 10	40,000	50
PC 0712 A A	150818	-	150825	150832	7 x 12	30,000	50
PC 1015 A A	150849	-	150856	150863	10 x 15	20,000	50
PC 1317 A A	150870	-	150887	150894	13 x 17	16,000	50
PC 1626 A A	150900	-	150917	150924	16 x 26	12,000	50

Ordering example:
EAN 4007220147139
PCT 0510 A/3



Description	EAN 4007220	D x T [mm]	S x L [mm]	Max. perm. speed [RPM]	
PCT 0510 A/3	147139	5 x 10	3 x 27	95,000	5
PCT 0712 A/3	147146	7 x 12	3 x 25	65,000	5
PCT 1015 A/3	147153	10 x 15	3 x 24	45,000	5
PCT 1317 A/6	147221	13 x 17	6 x 39	35,000	5
PCT 1626 A/6	147238	16 x 26	6 x 39	30,000	5

PFERD has based the POLICAP® set tool selection on the most common applications.

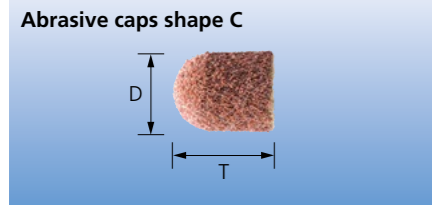
Contents:

- 5 pcs. each of POLICAP® abrasive caps PC 1015 A A, 1317 A A and 1626 A A (grit sizes 60, 150, 280)
- 10 pcs. each of POLICAP® abrasive caps PC 0510 A A and 0712 A A (grit sizes 60 or 80, 150, 280)
- 1 pc. each of POLICAP® abrasive cap holder PCT 0510 A/3, 0712 A/3, 1015 A/3, 1317 A/6 and 1626 A/6



Description	EAN 4007220	Dimensions [mm]	
PCS 110 A	355404	180 x 145 x 40	1





Abrasive:
A = Aluminium oxide
SiC-COOL = Silicon carbide (grey)
CO-COOL = Ceramic oxide grain (red)

Grit size colour code for aluminium oxide A:
 60 and 80 = brown
 150 = black
 280 = red-brown

Ordering example:
 EAN 4007220953938
 PC 0511 C CO-COOL 80
 Please complete the description with the desired grit size.

Description	Grit size					D x T [mm]	Recom. speed [RPM]	
	60	80	120	150	280			
EAN 4007220								

Aluminium oxide A

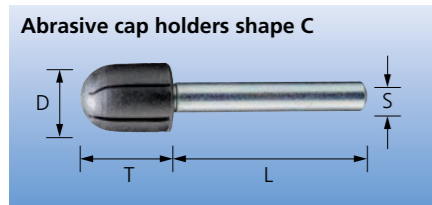
Description	60	80	120	150	280	D x T [mm]	Recom. speed [RPM]	
PC 0511 C A	-	150931	-	150948	150955	5 x 11	40,000	50
PC 0713 C A	150962	-	-	150979	150986	7 x 13	30,000	50
PC 1015 C A	150993	-	-	151006	151013	10 x 15	20,000	50
PC 1317 C A	151020	-	-	151037	151044	13 x 17	16,000	50
PC 1626 C A	151051	-	-	151068	151075	16 x 26	12,000	50

SiC-COOL (Silicon carbide)

Description	60	80	120	150	280	D x T [mm]	Recom. speed [RPM]	
PC 0511 C SiC-COOL	-	953716	-	953723	-	5 x 11	40,000	50
PC 0713 C SiC-COOL	-	953730	-	953747	-	7 x 13	30,000	50
PC 1015 C SiC-COOL	-	953754	-	953761	-	10 x 15	20,000	10
PC 1317 C SiC-COOL	-	953778	-	953792	-	13 x 17	16,000	50
PC 1626 C SiC-COOL	-	953808	-	953815	-	16 x 26	12,000	50

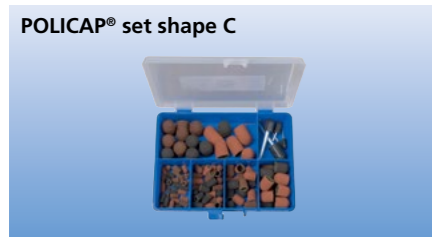
Ceramic oxide grain CO-COOL

Description	60	80	120	150	280	D x T [mm]	Recom. speed [RPM]	
PC 0511 C CO-COOL	-	953938	953945	-	-	5 x 11	40,000	50
PC 0713 C CO-COOL	-	953952	953969	-	-	7 x 13	30,000	50
PC 1015 C CO-COOL	-	953976	954041	-	-	10 x 15	20,000	50
PC 1317 C CO-COOL	-	954058	954119	-	-	13 x 17	16,000	50
PC 1626 C CO-COOL	-	954126	954133	-	-	16 x 26	12,000	50



Ordering example:
 EAN 4007220147160
 PCT 0511 C/3

Description	EAN 4007220	D x T [mm]	S x L [mm]	Max. perm. speed [RPM]	
PCT 0511 C/3	147160	5 x 11	3 x 26	95,000	5
PCT 0713 C/3	147177	7 x 13	3 x 24	65,000	5
PCT 1015 C/3	147184	10 x 15	3 x 24	45,000	5
PCT 1317 C/6	147245	13 x 17	6 x 39	35,000	5
PCT 1626 C/6	147252	16 x 26	6 x 39	30,000	5



PFERD has based the POLICAP® set tool selection on the most common applications.

Contents:

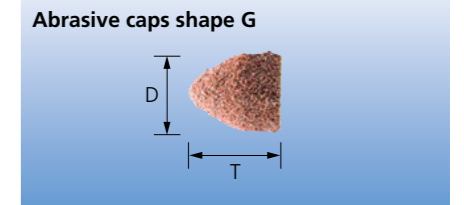
- 5 pcs. each of POLICAP® abrasive caps PC 1015 C A, 1317 C A and 1626 C A (grit sizes 60, 150, 280)
- 10 pcs. each of POLICAP® abrasive caps PC 0511 C A and 0713 C A (grit size 60 and 80, 150, 280)
- 1 pc. each of POLICAP® abrasive cap holder PCT 0511 C/3, 0713 C/3, 1015 C/3, 1317 C/6 and 1626 C/6

Description	EAN 4007220	Dimensions [mm]	
PCS 110 C	355411	180 x 145 x 40	1

Abrasive: Aluminium oxide A

Grit size colour code:
 60 and 80 = brown
 150 = black
 280 = red-brown

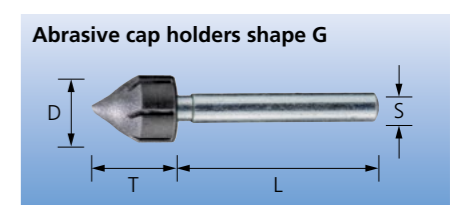
Ordering example:
 EAN 4007220151082
 PC 0511 G A 80
 Please complete the description with the desired grit size.



Description	Grit size				D x T [mm]	Recom. speed [RPM]	
	60	80	150	280			
EAN 4007220							

Description	60	80	150	280	D x T [mm]	Recom. speed [RPM]	
PC 0511 G A	-	151082	151099	151105	5 x 11	40,000	50
PC 0713 G A	151112	-	151129	151136	7 x 13	30,000	50
PC 1015 G A	151143	-	151150	151167	10 x 15	20,000	50
PC 1317 G A	151174	-	151181	151198	13 x 17	16,000	50
PC 1626 G A	151204	-	151211	151228	16 x 26	12,000	50

Ordering example:
 EAN 4007220147207
 PCT 0713 G/3



Description	EAN 4007220	D x T [mm]	S x L [mm]	Max. perm. speed [RPM]	
PCT 0511 G/3	147191	5 x 11	3 x 27	95,000	5
PCT 0713 G/3	147207	7 x 13	3 x 26	65,000	5
PCT 1015 G/3	147214	10 x 15	3 x 26	45,000	5
PCT 1317 G/6	147269	13 x 17	6 x 41	35,000	5
PCT 1626 G/6	147276	16 x 26	6 x 41	30,000	5

PFERD has based the POLICAP® set tool selection on the most common applications.

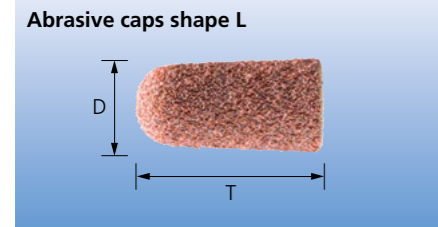
Contents:

- 5 pcs. each of POLICAP® abrasive caps PC 1015 G A, 1317 G A and 1626 G A (grit sizes 60, 150, 280)
- 10 pcs. each of POLICAP® abrasive caps PC 0511 G A and 0713 G A (grit size 60 and 80, 150, 280)
- 1 pc. each of POLICAP® abrasive cap holder PCT 0511 G/3, 0713 G/3, 1015 G/3, 1317 G/6 and 1626 G/6



Description	EAN 4007220	Dimensions [mm]	
PCS 110 G	355428	180 x 145 x 40	1





Abrasive:

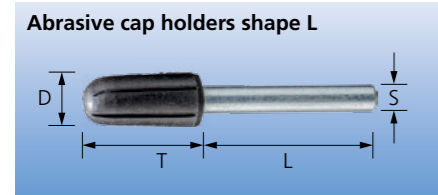
- A** = Aluminium oxide
- SiC** = Silicon carbide (grey)
- CO-COOL** = Ceramic oxide grain (red)

Grit size colour code for aluminium oxide A:
 60 and 80 = brown
 150 = black
 280 = red-brown

Ordering example:

EAN 4007220954140
 PC 0515 L CO-COOL 80
 Please complete the description with the desired grit size.

Description	Grit size					D x T [mm]	Recom. speed [RPM]	
	60	80	120	150	280			
Aluminium oxide A								
PC 0515 L A	-	151235	-	151242	151259	5 x 15	40,000	50
PC 1125 L A	151266	-	-	151273	151280	11 x 25	20,000	50
PC 1632 L A	151297	-	-	151303	151310	16 x 32	12,000	50
PC 2140 L A	151327	-	-	151334	151341	21 x 40	9,500	50
SiC-COOL (Silicon carbide)								
PC 0515 L SiC-COOL	-	953822	-	953839	-	5 x 15	40,000	50
PC 1125 L SiC-COOL	-	953846	-	953853	-	11 x 25	20,000	50
PC 1632 L SiC-COOL	-	953891	-	953907	-	16 x 32	12,000	50
PC 2140 L SiC-COOL	-	953914	-	953921	-	21 x 40	9,500	50
Ceramic oxide grain CO-COOL								
PC 0515 L CO-COOL	-	954140	954263	-	-	5 x 15	40,000	50
PC 1125 L CO-COOL	-	954164	954188	-	-	11 x 25	20,000	50
PC 1632 L CO-COOL	-	954195	954218	-	-	16 x 32	12,000	50
PC 2140 L CO-COOL	-	954225	954232	-	-	21 x 40	9,500	50



Ordering example:

EAN 4007220147283
 PCT 0515 L/6

Description	EAN 4007220	D x T [mm]	S x L [mm]	Max. perm. speed [RPM]	
PCT 0515 L/6	147283	5 x 15	6 x 40	95,000	5
PCT 1125 L/6	147290	11 x 25	6 x 40	40,000	5
PCT 1632 L/6	147306	16 x 32	6 x 40	30,000	5
PCT 2140 L/6	147313	21 x 40	6 x 40	20,000	5



PFERD has based the POLICAP® set tool selection on the most common applications.

Contents:

- 10 pcs. each of POLICAP® abrasive caps PC 1626 A A and 1626 G A (grit size 150, 280)
- 25 pcs. each of POLICAP® abrasive caps PC 1015 A A, 1317 A A, 1015 G A and 1317 G A (grit size 150, 280)
- 50 pcs. each of POLICAP® abrasive caps PC 0510 A A, 0712 A A, 0511 G A and 0713 G A (grit size 150, 280)
- 1 pc. each of POLICAP® abrasive cap holder PCT 0510 A/3, 0712 A/3, 1317 A/3, 1626 A/6, 0511/3 G, 0713 G/3, 1015 G/3, 1317 G/6 and 1626 G/6

Description	EAN 4007220	Dimensions [mm]	
PCS 650	355435	332 x 235 x 50	1

Abrasive: Aluminium oxide A

Grit size colour code:
 60 = brown
 150 = black
 280 = red-brown

Ordering example:

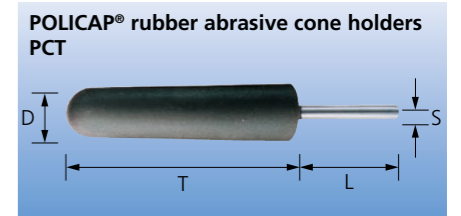
EAN 4007220151471
 PCH 201565 L A 60
 Please complete the description with the desired grit size.



Description	Grit size			D x J x T [mm]	Recom. speed [RPM]	Suitable arbors	
	60	150	280				
EAN 4007220							
PCH 070585 L A	151358	151365	151372	7 x 5 x 85	12,000	PCT 0585	10
PCH 141185 L A	151389	151396	-	14 x 11 x 85	12,000	PCT 1185	10
PCH 201685 L A	151419	151426	-	20 x 16 x 85	12,000	PCT 1685	10
PCH 242185 L A	151440	151457	-	24 x 21 x 85	12,000	PCT 2185	10
PCH 201565 L A	151471	151488	-	20 x 15 x 65	18,500	GK 201463	10
PCH 362265 L A	151532	-	-	36 x 22 x 65	13,000	GK 362260	10

Ordering example:

EAN 4007220147320
 PCT 0585 L/6

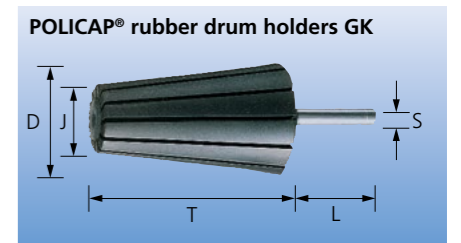


Description	EAN 4007220	D x T [mm]	S x L [mm]	Max. perm. speed [RPM]	
PCT 0585 L/6	147320	8 x 85	6 x 40	20,000	5
PCT 1185 L/6	147337	13 x 85	6 x 40	15,000	5
PCT 1685 L/6	147344	18 x 85	6 x 40	13,000	5
PCT 2185 L/6	147351	23 x 85	6 x 40	12,000	5

Ordering example:

EAN 4007220147078
 GK 201463/6

Rubber drum holders



Description	EAN 4007220	D x J x T [mm]	S x L [mm]	Max. perm. speed [RPM]	Minimum speed [RPM]	
GK 201463/6	147078	20 x 14 x 63	6 x 37	26,000	19,000	5
GK 362260/6	147092	36 x 22 x 60	6 x 40	15,900	10,000	5

