

# Ceramic-fibre tools

The ceramic-fibre files from JOKER are highly versatile tools. They are above all used wherever you get bogged down with conventional tools, for example at highly filigree spots such as slots, ribs and ridges, etc. Ideal for removing erosion structures. Very good results are achieved during use as lapping and polishing tools in conjunction with diamond compounds. They can be used manually (e.g. in special file holders, see page 260) or with the aid of a hand-filing machine. Ceramic-fibre files make a perfect team in conjunction with ultrasonic polishing systems.

In this case however, we recommend the special HT-140 or the particularly heat-resistant Ultra-HT files, which with greater heat resistance also withstand very high output ratings, without proverbially "burning away". With the mini ceramic files, you can process even the most filigree areas; the soft files are highly adaptable owing to the rubbery bond and do not leave any scratches whatsoever. You will also find a matching selection of holders available from us for convenient manual use of the files. The range is rounded off by the ceramic fibre files and brushes on a shank.



### Five facts about the JOKER ceramic-fibre files

1. The files are no. 1 when it comes to heat resistance (an upper temperature limit higher by 30 °C in comparison!)
2. The JOKER files and the ENESKAsonic system have been optimally adapted to one another!
3. Specially developed polishing fibres allow maximum stock removals and absolutely uniform finishing quality!
4. A combination of polishing fibres and a special bond prevent splintering at the tip!
5. Integrated development and production from the initial fibre to the finished product guarantee consistent product quality and constant optimisation!

**247** Ceramic-fibre files JOKER ULTRA-HT

**248** Ceramic-fibre files JOKER HT-140

**250** Ceramic-fibre files NEW Super Stone

**257** Diamond ceramic-fibre files

**258** Ceramic-fibre files JOKER Mini

**258** Ceramic-fibre files JOKER Soft

**259** Set: Holder + ceramic-fibre files

**260** Holders for ceramic-fibre files

**261** Ceramic-fibre files on a shank

**262** Ceramic-fibre brushes

**263** Ceramic-fibre brushes Cross Hole


**264** Crystal fibre cutting disc Cristone

# Ceramic-fibre files joke Ultra-HT

## Heat-resistant up to 200 °C!

These files are heat-resistant up to 200 °C and therefore optimally suitable for the high-performance ultrasonic polishing systems. Even under high loads, the ceramic-fibre files remain break-resistant and do not get clogged up during processing.




	Dimensions	Grit size	Colour	Order No.	Price from		
					1 piece	5 pieces	10 pieces
<b>Ceramic-fibre files joke Ultra-HT</b>							
<b>flat</b>							
 <p><b>i</b> you'll find suitable holders for these files on page 260!</p>	1 x 4 x 100 mm	# 120 / 110 µm	violet	<b>0 424 601</b>	12.60 €	11.35 €	10.20 €
		# 220 / 50 µm	dark brown	<b>0 424 611</b>	12.60 €	11.35 €	10.20 €
		# 400 / 30 µm	orange	<b>0 424 641</b>	12.60 €	11.35 €	10.20 €
		# 800 / 20 µm	blue	<b>0 424 621</b>	12.60 €	11.35 €	10.20 €
		# 1200 / 10 µm	red	<b>0 424 631</b>	12.60 €	11.35 €	10.20 €
	1 x 6 x 100 mm	# 120 / 110 µm	violet	<b>0 424 602</b>	19.10 €	17.35 €	15.50 €
		# 220 / 50 µm	dark brown	<b>0 424 612</b>	19.10 €	17.35 €	15.50 €
		# 400 / 30 µm	orange	<b>0 424 642</b>	19.30 €	17.35 €	15.50 €
		# 800 / 20 µm	blue	<b>0 424 622</b>	19.10 €	17.35 €	15.50 €
		# 1200 / 10 µm	red	<b>0 424 632</b>	19.10 €	17.35 €	15.50 €
	1 x 10 x 100 mm	# 1500	violet	<b>0 424 603</b>	24.95 €	22.60 €	20.30 €
		# 220 / 50 µm	dark brown	<b>0 424 613</b>	24.95 €	22.60 €	20.30 €
		# 400 / 30 µm	orange	<b>0 424 643</b>	25.05 €	22.60 €	20.20 €
		# 800 / 20 µm	blue	<b>0 424 623</b>	24.95 €	22.60 €	20.30 €
		# 1200 / 10 µm	red	<b>0 424 633</b>	24.95 €	22.60 €	20.30 €
2 x 4 x 100 mm	# 120 / 110 µm	violet	<b>0 424 604</b>	24.95 €	22.60 €	20.30 €	
	# 220 / 50 µm	dark brown	<b>0 424 614</b>	24.95 €	22.60 €	20.30 €	
	# 400 / 30 µm	orange	<b>0 424 644</b>	25.05 €	22.60 €	20.20 €	
	# 800 / 20 µm	blue	<b>0 424 624</b>	24.95 €	22.60 €	20.30 €	
	# 1200 / 10 µm	red	<b>0 424 634</b>	24.95 €	22.60 €	20.30 €	
2 x 6 x 100 mm	# 120 / 110 µm	violet	<b>0 424 605</b>	37.85 €	34.55 €	30.70 €	
	# 220 / 50 µm	dark brown	<b>0 424 615</b>	37.85 €	34.55 €	30.70 €	
	# 400 / 30 µm	orange	<b>0 424 645</b>	38.05 €	34.45 €	30.70 €	
	# 800 / 20 µm	blue	<b>0 424 625</b>	37.85 €	34.55 €	30.70 €	
	# 1200 / 10 µm	red	<b>0 424 635</b>	37.85 €	34.55 €	30.70 €	
2 x 10 x 100 mm	# 120 / 110 µm	violet	<b>0 424 606</b>	49.65 €	45.15 €	40.40 €	
	# 220 / 50 µm	dark brown	<b>0 424 616</b>	49.65 €	45.15 €	40.40 €	
	# 400 / 30 µm	orange	<b>0 424 646</b>	50.00 €	45.05 €	40.30 €	
	# 800 / 20 µm	blue	<b>0 424 626</b>	49.65 €	45.15 €	40.40 €	
	# 1200 / 10 µm	red	<b>0 424 636</b>	49.65 €	45.15 €	40.40 €	

## Ceramic-fibre files joke HT-140


The advantages at a glance:

- unbreakable files
- very high heat resistance
- developed specifically for ultrasonic systems
- perfect for ribs and ridges
- files do not splinter



	Dimensions	Grit size	Colour	Order No.	Price from		
					1 piece	5 pieces	10 pieces
	0.5 x 4 x 150 mm	# 220 / 50 µm	dark brown	<b>0 406 160-2</b>	19.80 €	18.35 €	16.50 €
		# 300 / 40 µm	light brown	<b>0 406 110-2</b>	17.75 €	16.50 €	14.95 €
		# 400 / 30 µm	orange	<b>0 406 120-2</b>	17.75 €	16.50 €	14.95 €
		# 600 / 25 µm	black	<b>0 406 170-2</b>	17.75 €	16.50 €	14.95 €
		# 800 / 20 µm	blue	<b>0 406 180-2</b>	17.75 €	16.50 €	14.95 €
		# 1000 / 15 µm	white	<b>0 406 140-2</b>	17.75 €	16.50 €	14.95 €
		# 1200 / 10 µm	red	<b>0 406 100-2</b>	17.75 €	16.50 €	14.95 €
1 x 1 x 100 mm	# 1500	yellow	<b>0 406 371</b>	4.40 €	4.09 €	3.67 €	
	# 2000	cream	<b>0 406 381</b>	6.20 €	5.70 €	4.99 €	
	# 3000	pink	<b>0 406 391</b>	6.20 €	5.70 €	4.99 €	
1 x 2 x 100 mm	# 1500	yellow	<b>0 406 372</b>	4.50 €	4.18 €	3.76 €	
	# 2000	cream	<b>0 406 382</b>	6.40 €	6.00 €	5.10 €	
	# 3000	pink	<b>0 406 392</b>	6.40 €	6.00 €	5.10 €	
1 x 4 x 100 mm	# 1500	yellow	<b>0 406 373</b>	9.00 €	8.35 €	7.55 €	
1 x 4 x 150 mm	# 120 / 110 µm	violet	<b>0 406 211</b>	15.70 €	14.65 €	13.00 €	
	# 220 / 50 µm	dark brown	<b>0 406 161-2</b>	19.80 €	18.35 €	16.50 €	
	# 300 / 40 µm	light brown	<b>0 406 111-2</b>	17.75 €	16.60 €	14.95 €	
	# 400 / 30 µm	orange	<b>0 406 121-2</b>	17.95 €	16.50 €	14.95 €	
	# 600 / 25 µm	black	<b>0 406 171-2</b>	17.95 €	16.50 €	15.05 €	
	# 800 / 20 µm	blue	<b>0 406 181-2</b>	17.95 €	16.50 €	14.95 €	
	# 1000 / 15 µm	white	<b>0 406 141-2</b>	17.95 €	16.50 €	14.95 €	
# 1200 / 10 µm	red	<b>0 406 101-2</b>	17.95 €	16.50 €	14.95 €		
1 x 6 x 100 mm	# 1500	yellow	<b>0 406 374</b>	13.60 €	12.70 €	11.35 €	
1 x 6 x 150 mm	# 120 / 110 µm	violet	<b>0 406 212</b>	23.60 €	21.85 €	19.80 €	
	# 220 / 50 µm	dark brown	<b>0 406 162-2</b>	29.80 €	27.65 €	24.95 €	
	# 300 / 40 µm	light brown	<b>0 406 112-2</b>	26.70 €	24.85 €	22.25 €	
	# 400 / 30 µm	orange	<b>0 406 122-2</b>	26.70 €	24.85 €	22.25 €	
	# 600 / 25 µm	black	<b>0 406 172-2</b>	26.70 €	24.85 €	22.25 €	
	# 800 / 20 µm	blue	<b>0 406 182-2</b>	26.70 €	24.85 €	22.25 €	
	# 1000 / 15 µm	white	<b>0 406 142-2</b>	26.70 €	24.85 €	22.25 €	
# 1200 / 10 µm	red	<b>0 406 102-2</b>	26.70 €	24.85 €	22.25 €		
1 x 10 x 100 mm	# 1500	yellow	<b>0 406 375</b>	17.85 €	16.50 €	14.85 €	
1 x 10 x 150 mm	# 120 / 110 µm	violet	<b>0 406 213</b>	30.90 €	28.95 €	26.00 €	
	# 220 / 50 µm	dark brown	<b>0 406 163-2</b>	39.80 €	36.80 €	33.10 €	
	# 300 / 40 µm	light brown	<b>0 406 113-2</b>	35.65 €	33.00 €	29.70 €	
	# 400 / 30 µm	orange	<b>0 406 123-2</b>	35.55 €	33.00 €	29.70 €	
	# 600 / 25 µm	black	<b>0 406 173-2</b>	35.55 €	33.00 €	29.70 €	
	# 800 / 20 µm	blue	<b>0 406 183-2</b>	35.55 €	33.00 €	29.70 €	
	# 1000 / 15 µm	white	<b>0 406 143-2</b>	35.55 €	33.00 €	29.70 €	
# 1200 / 10 µm	red	<b>0 406 103-2</b>	35.55 €	33.00 €	29.70 €		

## Ceramic-fibre files joke HT-140

Dimensions	Grit size	Colour	Order No.	Price from		
				1 piece	5 pieces	10 pieces
 2 x 6 x 150 mm	# 120 / 110 µm	violet	<b>0 406 214</b>	46.90 €	43.60 €	39.15 €
	# 220 / 50 µm	dark brown	<b>0 406 164-2</b>	59.35 €	55.15 €	49.65 €
	# 300 / 40 µm	light brown	<b>0 406 114-2</b>	52.95 €	49.35 €	44.40 €
	# 400 / 30 µm	orange	<b>0 406 124-2</b>	52.95 €	49.35 €	44.40 €
	# 600 / 25 µm	black	<b>0 406 174-2</b>	52.95 €	49.35 €	44.40 €
	# 800 / 20 µm	blue	<b>0 406 184-2</b>	52.95 €	49.35 €	44.40 €
	# 1000 / 15 µm	white	<b>0 406 144-2</b>	52.95 €	49.35 €	44.40 €
	# 1200 / 10 µm	red	<b>0 406 104-2</b>	52.95 €	49.35 €	44.40 €
Ø 2.35 x 100 mm	# 220 / 50 µm	grey	<b>0 406 200-2</b>	28.65 €	26.70 €	24.15 €
	# 300 / 40 µm	light brown	<b>0 406 201-2</b>	24.25 €	22.40 €	20.20 €
	# 400 / 30 µm	orange	<b>0 406 202-2</b>	24.25 €	22.40 €	20.20 €
	# 600 / 25 µm	black	<b>0 406 203-2</b>	24.25 €	22.40 €	20.20 €
	# 800 / 20 µm	blue	<b>0 406 204-2</b>	24.25 €	22.40 €	20.20 €
	# 1200 / 10 µm	red	<b>0 406 206-2</b>	24.25 €	22.40 €	20.20 €
Ø 2.35 x 150 mm	# 300 / 40 µm	light brown	<b>0 406 342</b>	33.00 €	30.70 €	27.55 €
	# 400 / 30 µm	orange	<b>0 406 243</b>	33.00 €	30.70 €	27.55 €
	# 600 / 25 µm	dark brown	<b>0 406 244</b>	33.00 €	30.70 €	27.55 €
	# 800 / 20 µm	blue	<b>0 406 245</b>	32.80 €	30.50 €	27.55 €
	# 1000 / 15 µm	white	<b>0 406 246</b>	29.40 €	27.20 €	24.65 €
	# 1200 / 10 µm	red	<b>0 406 247</b>	32.80 €	30.50 €	27.55 €
Ø 3 x 100 mm	# 220 / 50 µm	grey	<b>0 406 190-2</b>	28.65 €	26.70 €	24.15 €
	# 300 / 40 µm	light brown	<b>0 406 191-2</b>	24.25 €	22.40 €	20.20 €
	# 400 / 30 µm	orange	<b>0 406 192-2</b>	24.25 €	22.40 €	20.20 €
	# 600 / 25 µm	black	<b>0 406 193-2</b>	24.25 €	22.40 €	20.20 €
	# 800 / 20 µm	blue	<b>0 406 194-2</b>	24.25 €	22.40 €	20.20 €
	# 1000 / 15 µm	white	<b>0 406 195-2</b>	24.25 €	22.40 €	20.20 €
	# 1200 / 10 µm	red	<b>0 406 196-2</b>	24.25 €	22.40 €	20.20 €
Ø 3 x 150 mm	# 220 / 50 µm	grey	<b>0 406 251</b>	42.75 €	39.80 €	35.85 €
	# 300 / 40 µm	light brown	<b>0 406 352</b>	33.00 €	30.70 €	27.55 €
	# 400 / 30 µm	orange	<b>0 406 253</b>	37.00 €	34.55 €	31.15 €
	# 600 / 25 µm	black	<b>0 406 254</b>	37.00 €	34.55 €	31.15 €
	# 800 / 20 µm	blue	<b>0 406 255</b>	37.00 €	34.55 €	31.15 €
	# 1000 / 15 µm	white	<b>0 406 256</b>	37.00 €	34.55 €	31.15 €
	# 1200 / 10 µm	red	<b>0 406 257</b>	37.00 €	34.55 €	31.15 €



### There is even more to it!

Please let us know your special requests regarding ceramic-fibre files. We can make almost anything possible. For further information, please contact

**Markus Abstoss:**  
 Tel. +49 (0) 22 04 / 8 39-0  
 m.abstoss@joke.de