

**FRIALIT®-DEGUSSIT® Oxide Ceramics**  
**Surface Finishing**

**Grinding Tools**

# GRINDING TOOLS



Dimensions	Article no. <b>fine</b>	Article no. <b>medium</b>	Article no. <b>coarse</b>
100 x 25 x 10	901-41100-0	902-41100-0	903-21100-0*
150 x 25 x 15	901-41101-0	902-41101-0	903-21101-0*
200 x 50 x 12	901-41102-0	902-41102-0	-

100 x 30 x 7/2	-	902-41105-0	-
----------------	---	-------------	---

100 x 25 x 10	901-41110-0	902-41110-0	903-21110-0*
100 x 25 x 10	901-41111-0	902-41111-0	-
200 x 50 x 12	901-41112-0	902-41112-0	-

120 x 50 x 10      904-41 111-0      Benchstone in wooden case, removable one face medium, one face fine

100 x 4	901-41200-0	902-41200-0	-
100 x 6	901-41201-0	902-41201-0	903-44201-0
100 x 8	901-41202-0	902-41202-0	903-44202-0
100 x 10	901-41203-0	902-41203-0	903-44203-0
120 x 13	901-41205-0	902-41205-0	903-44205-0

100 x 4	901-41210-0	902-41210-0	-
100 x 6	901-41211-0	902-41211-0	903-44211-0
100 x 8	901-41212-0	902-41212-0	903-44212-0
100 x 10	901-41213-0	902-41213-0	903-44213-0
120 x 13	901-41214-0	902-41214-0	903-44214-0

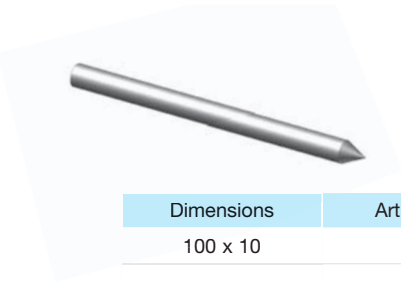
100 x 6 x 3	901-41220-0	902-41220-0	-
-------------	-------------	-------------	---

**DEGUSSIT DD57** = aluminium oxide, ruby colour

\* **DEGUSSIT AL24** = aluminium oxide lightly porous, white colour

**Other dimensions upon request**

Possible deviation in dimension



Dimensions	Article no. <b>fine</b>	Article no. <b>medium</b>	Article no. <b>coarse</b>
100 x 10	-	902-41231-0	903-44231-0

100 x 13 x 5	-	-	903-44240-0
--------------	---	---	-------------

100 x 5 x 2	901-41255-0	-	903-44255-0
-------------	-------------	---	-------------

100 x 5	901-41261-0	-	-
---------	-------------	---	---

100 x 4	901-41270-0	902-41270-0	-
100 x 6	901-41271-0	902-41271-0	903-44271-0
100 x 8	901-41272-0	902-41272-0	903-44272-0
100 x 10	901-41273-0	902-41273-0	903-44273-0

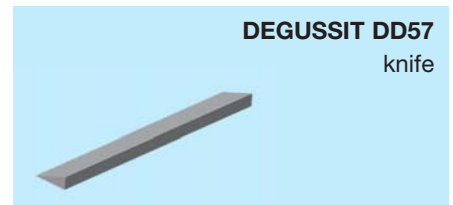
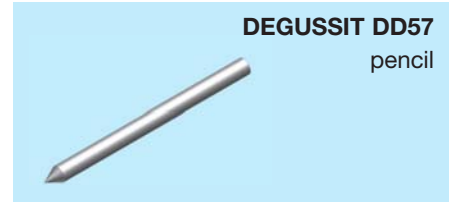
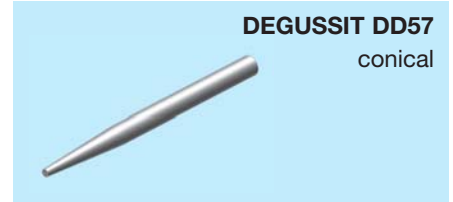
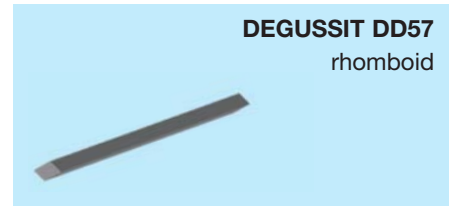
100 x 15 x 3/0,5	901-41291-0	902-41291-0	-
------------------	-------------	-------------	---

**DEGUSSIT DD57** = aluminium oxide, ruby colour

**Other dimensions upon request**

Possible deviation in dimension

## GRINDING TOOLS



## ASSORTMENT OF FILES AND MIDGET FILES



### DEGUSSIT DD57

Assortment of Midget Files

Article no. 900-41420-0

Dimensions	Shape	Type	Article no.
50 x 1	■	fine	901-41400-0
100 x 2	■	fine	901-41403-0
50 x 2	▲	fine	901-41402-0
100 x 3	▲	fine	901-41413-0
50 x 1	●	fine	901-41401-0
100 x 2	●	fine	901-41404-0
100 x 3	●	fine	901-41405-0
50 x 3 x 0,3	■	fine	901-41406-0
100 x 4	◐	fine	901-41407-0
100 x 5 x 1,5	▲	fine	901-41409-0
100 x 4 x 1,5	●	fine	901-41411-0

The **midget files** article no. **900-41420-0** contains 1 holder and 2 collets as well as one each of the a.m. listed files.

Single files are also available separately.

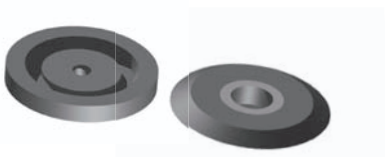
### DEGUSSIT DD57

Files Assortment

Article no. 900-00700-0

Dimensions	Shape	Type	Article no.
100 x 10	▲	mittel	902-41203-0
100 x 10	■	mittel	902-41213-0
100 x 8 x 6	■	fein	901-41221-0
100 x 10	◐	grob	903-44231-0
100 x 6	●	mittel	902-41271-0

The **files** article no.: **900-41420-0** contains one each of the a.m. listed files.



## FINE GRINDING WHEELS

Ø D	B	Ø d (wmb*)	Article no.	Ø d (nmb*)	Article no.
75	3	20	911-41373-0	30	911-41373-7
75	6	20	911-41376-0	30	911-41376-7
75	10	20	911-41380-0	30	911-41380-7
100	8	32	911-41488-0	42	911-41488-7
100	10	32	911-41490-0	42	911-41490-7

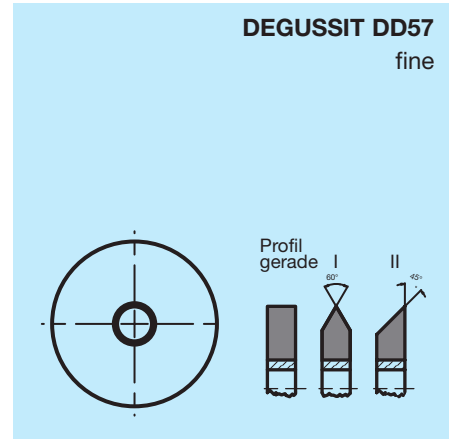
If not otherwise stated, wheels with metal bushings will be supplied.

**Profile I and Profile II upon request**

**Other dimensions and other types upon request**

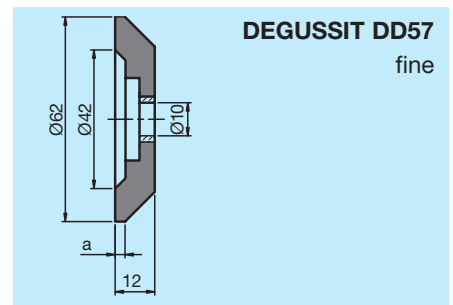
\* **wmb** = with metal bushing

\* **nmb** = without metal bushing

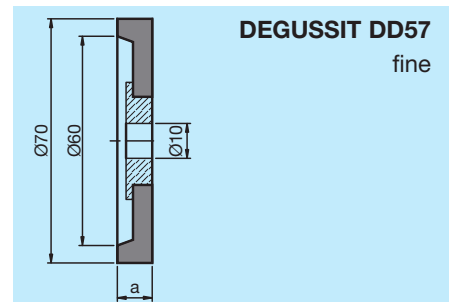


## BURNISHING WHEELS

Ø D1	Ø D2	Ø D3	a	Article no.
62	42	10	3	931-41906-1
			4	931-41906-2
			6	931-41906-3



Ø D1	Ø D2	Ø D3	a	Article no.
70	60	10	8	931-41970-4
			10	931-41970-5
			12	931-41970-6
			15	931-41970-7
80	60	10	8	931-41980-4
			10	931-41980-5
			12	931-41980-6
			15	931-41980-7

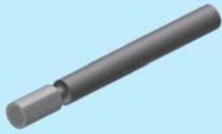


The listed burnishing wheels are available in fine type only.

## FINE GRINDING TOOLS

### DEGUSSIT DD57

cylindrical  
mounted point



Ø D	Ø d	H	Article no. <b>fine</b>	Article no. <b>medium</b>
2	2,35	4	921-41002-1	922-44002-1
2	3	4	921-41002-0	922-44002-0
3	2,35	6	921-41003-1	922-44003-1
3	3	6	921-41003-0	922-44003-0

Length of the shaft from 30 mm up to 35 mm

### DEGUSSIT DD57

cylindrical  
mounted point



Ø D	Ø d	H	Article no. <b>fine</b>	Article no. <b>medium</b>
4	2,35	8	921-41104-1	922-44104-1
4	3	8	921-41104-0	922-44104-0
5	3	10	921-41110-0	922-44110-0
6	6	12	921-41116-0	922-44116-0
8	6	10	921-41128-0	922-44128-0
8	6	16	921-41136-0	922-44136-0
10	6	12	921-41150-0	922-44150-0

### DEGUSSIT DD57

mounted point  
angle 60°



Ø D	Ø d	H	Article no. <b>fine</b>	Article no. <b>medium</b>
4	2,35	8	921-41204-1	922-44204-1
4	3	8	921-41204-0	922-44204-0
5	3	10	921-41210-0	922-44210-0
6	6	12	921-41216-0	922-44216-0
8	6	16	921-41236-0	922-44236-0
10	6	20	921-41255-0	922-44255-0

Length of the shaft 30 upto 35 mm

Available in type fine and type medium

[Other dimensions and other types available upon request](#)

## MATERIAL DATA

Material	FRIATEC-Brand	Characterisation
Al <sub>2</sub> O <sub>3</sub> Aluminium Oxide	<b>FRIALIT F99,7</b>	Pure Al <sub>2</sub> O <sub>3</sub> , dense sintered, excellent corrosion and abrasion resistance, highest electrical insulation, extreme longevity.
Al <sub>2</sub> O <sub>3</sub> Aluminium Oxide	<b>DEGUSSIT DD57</b>	Pure Al <sub>2</sub> O <sub>3</sub> , dense sintered, wear resistant and durable, excellent form and edge stability, red in colour, also known as sinter ruby.
Al <sub>2</sub> O <sub>3</sub> Aluminium Oxide	<b>DEGUSSIT AL23</b>	Pure Al <sub>2</sub> O <sub>3</sub> , dense sintered, excellent thermal, electrical and chemical high temperature properties.
Al <sub>2</sub> O <sub>3</sub> Aluminium Oxide	<b>DEGUSSIT AL24</b>	Pure Al <sub>2</sub> O <sub>3</sub> , low porosity, handles temperature changes well, very good creep resistance.
Al <sub>2</sub> O <sub>3</sub> Aluminium Oxide	<b>DEGUSSIT AL25</b>	Pure Al <sub>2</sub> O <sub>3</sub> , high porosity, good thermal insulation, highest resistance to thermal shock of all the Al <sub>2</sub> O <sub>3</sub> materials.
Al <sub>2</sub> O <sub>3</sub> (+ ZrO <sub>2</sub> ) Aluminium Oxide, fine grain stabilized	<b>FRIALIT FZT</b>	Al <sub>2</sub> O <sub>3</sub> stabilized with ZrO <sub>2</sub> , high stability, handles temperature changes well, very high corrosion and wear resistance, fine grain structure.
ZrO <sub>2</sub> Zirconium Oxide	<b>FRIALIT FZM</b>	Partially stabilized with MgO, dense sintered, high wear resistance, very good resistance to corrosion and thermal shock, very durable, pressure resistant, high mechanical stability even at high temperatures.
ZrO <sub>2</sub> Zirconium Oxide	<b>FRIALIT FZY</b>	Partially stabilized with Y <sub>2</sub> O <sub>3</sub> , dense sintered, high purity ZrO <sub>2</sub> , high temperature and corrosion resistance.

Other ceramic materials upon request