

CATALOGUE



MOTYL



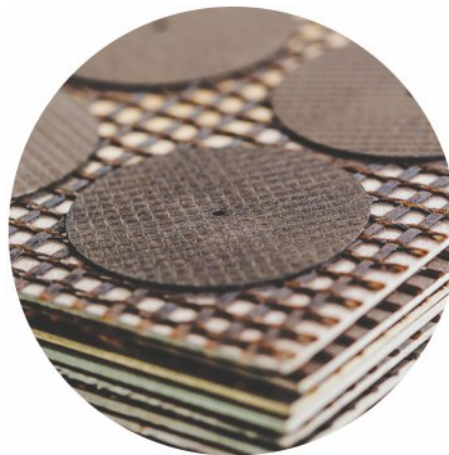


We are the first company to specialize in the production of ultra-thin separators for cutting and processing porcelain, zirconium oxide, metals and alloys used in prosthodontics. Through the application of patented, innovative technological solutions, selection of components, use of diamonds and special fibreglass nets, we have produced long-lasting and efficient reinforced grinding wheels since 1984.

In order to facilitate identification of the product, we introduced a uniform colour code to indicate thickness and intended use.

All our products have safety mark "B". The production process takes place in accordance with procedure as specified in standard ISO 9001: 2008.

The quality of our products is proven by the rapid and highly successful integration into new target markets and continued growth in sales. To facilitate this expansion, in 2013 we moved production to a new, modern building, not only utilising the most up to date manufacturing technology in production, but also the most recent advances in the use of renewable energy.



DIAMOND
GRINDING WHEELS
FOR PORCELAIN AND ZIRCONIUM OXIDE



DIAMOND GRINDING WHEELS

FOR PORCELAIN AND ZIRCONIUM OXIDE



	20/0,15 BF	20/0,2 BF	20/0,2+ BF	20/0,3 BF
External Diameter (mm)	20 ($\pm$ 0,5)	20 ($\pm$ 0,5)	20 ($\pm$ 0,5)	20 ($\pm$ 0,5)
Thickness (mm)	0,15 ($\pm$ 0,02)	0,2 ($\pm$ 0,05)	0,25 ($\pm$ 0,05)	0,3 ($\pm$ 0,05)
Maximum Speed (RPM)	25 000	50 000	50 000	50 000
Recommended Speed (RPM)	Lithium disilicate 10-12 000 / Zirconium oxide 10-20 000			
Pack Size (each)	10	10	10	10

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DIAMOND GRINDING WHEELS FOR PORCELAIN AND ZIRCONIUM OXIDE

GRINDING WHEELS 20/0,15 BF

- ultrathin, diamond discs for cutting porcelain and zirconium oxide
- for making very thin cuts and separation between teeth
- strengthened with a single layer fiberglass mesh
- do not cause heating of the processed material

GRINDING WHEELS 20/0,2 BF

- very flexible diamond separator for the cutting and processing of porcelain and zirconium oxide
- strengthened with a single layer fiberglass mesh
- used for precise cutting and processing wherever there is a risk of damage to porcelain veneers due to tool vibration

GRINDING WHEELS 20/0,2+ BF

GRINDING WHEELS 20/0,3 BF

- very flexible, strong and efficient diamond separators for the cutting and finishing of porcelain and zirconium oxide
- strengthened with a double layer of very thin fiberglass mesh
- used for precise cutting and processing wherever there is a risk of damage to porcelain veneers due to tool vibration



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DIAMOND GRINDING WHEELS
FOR PORCELAIN AND ZIRCONIUM OXIDE



	20/0,8 BF
External Diameter (mm)	20 ($\pm 0,5$)
Thickness (mm)	0,8 ($\pm 0,08$)
Maximum Speed (RPM)	30 000
Recommended Speed (RPM)	Lithium disilicate 12-15 000 Zirconium oxide 12-20 000
Pack Size (each)	1

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DIAMOND GRINDING WHEELS

FOR PORCELAIN AND ZIRCONIUM OXIDE

GRINDING WHEELS 20/0,8 BF

- robust, diamond discs for processing of porcelain and zirconium oxide
- due to the special structure enable processing of even the hardest ceramics
- extremely long lifetime
- strengthened with a single layer fiberglass mesh
- do not cause heating of the processed material



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GRINDING WHEELS
FOR STEEL, ALLOYS AND NOBLE METALS



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GRINDING WHEELS

FOR STEEL, ALLOYS AND NOBLE METALS



	22/0,15 BF	22/0,2 BF
External Diameter (mm)	22 ($\pm 0,5$)	22 ($\pm 0,5$)
Thickness (mm)	0,15 ($\pm 0,02$)	0,2 ($\pm 0,05$)
Maximum Speed (RPM)	25 000	50 000
Recommended Speed (RPM)	10-20 000	10-25 000
Pack Size (each)	20	20

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GRINDING WHEELS

FOR STEEL, ALLOYS AND NOBLE METALS

GRINDING WHEELS 22/0,15 BF

- ultrathin, grinding discs for cutting noble and non-noble metals and alloys
- for making very thin kerfs and separations between teeth
- strengthened with a single layer fiberglass mesh
- do not cause heating of the processed material

GRINDING WHEELS 22/0,2 BF

- highly efficient, strong and flexible grinding wheels
- designed for cutting steel, alloys, gold, silver and plastic
- strengthened with a single layer fiberglass mesh
- do not cause heating of the processed material or undue stress on power tools.
With a thickness of 0.2mm they will process gold and silver without causing significant material loss and with the minimum of dust emissions.



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GRINDING WHEELS
FOR STEEL, ALLOYS AND NOBLE METALS



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GRINDING WHEELS

FOR STEEL, ALLOYS AND NOBLE METALS



	22/0,2+ BF	26/0,2+ BF
External Diameter (mm)	22 ($\pm 0,5$)	26 ($\pm 0,5$)
Thickness (mm)	0,25 ($\pm 0,05$)	0,25 ($\pm 0,05$)
Maximum Speed (RPM)	50 000	50 000
Recommended Speed (RPM)	15-30 000	15-30 000
Pack Size (each)	20	20

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GRINDING WHEELS

FOR STEEL, ALLOYS AND NOBLE METALS

GRINDING WHEELS 22/0,2+ BF

GRINDING WHEELS 26/0,2+ BF

- highly efficient, strong and flexible grinding wheels
 - for cutting steel, alloys, gold, silver and plastic
 - strengthened with a double layer of very thin fiberglass mesh
 - do not cause heating of the processed material or undue stress on power tools.
- With a thickness of 0.25mm they will process gold and silver without causing significant material loss and with the minimum of dust emissions.



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GRINDING WHEELS
FOR STEEL, ALLOYS AND NOBLE METALS



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GRINDING WHEELS

FOR STEEL, ALLOYS AND NOBLE METALS



	22/0,3 BF	26/0,3 BF
External Diameter (mm)	22 ($\pm 0,5$)	26 ($\pm 0,5$)
Thickness (mm)	0,3 ($\pm 0,05$)	0,3 ($\pm 0,05$)
Maximum Speed (RPM)	50 000	50 000
Recommended Speed (RPM)	15-30 000	15-30 000
Pack Size (each)	20	20

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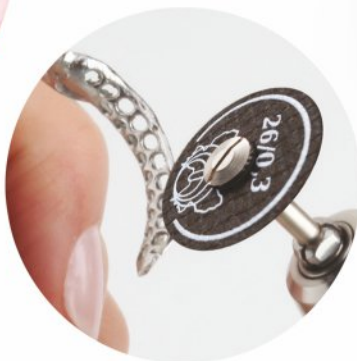
GRINDING WHEELS

FOR STEEL, ALLOYS AND NOBLE METALS

GRINDING WHEELS 22/0,3 BF

GRINDING WHEELS 26/0,3 BF

- highly efficient, strong and flexible grinding wheels
- for cutting steel, alloys, gold and silver
- strengthened with a double layer of very thin fiberglass mesh
- do not cause heating of the processed material or undue stress on power tools.
With a thickness of 0.3 mm, they operate with a minimum of dust emissions.



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GRINDING WHEELS
FOR STEEL, ALLOYS AND NOBLE METALS



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GRINDING WHEELS

FOR STEEL, ALLOYS AND NOBLE METALS



	26/0,4 BF	40/0,4 BF
External Diameter (mm)	26 ($\pm 0,5$)	40 ($\pm 0,5$)
Thickness (mm)	0,4 ($\pm 0,05$)	0,4 ($\pm 0,05$)
Maximum Speed (RPM)	50 000	38 000
Recommended Speed (RPM)	15-30 000	15-25 000
Pack Size (each)	20	20

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GRINDING WHEELS

FOR STEEL, ALLOYS AND NOBLE METALS

GRINDING WHEELS 26/0,4 BF
GRINDING WHEELS 40/0,4 BF

- strengthened with a double layer of fiberglass mesh, it is highly flexible while keeping the cut stable and precise
- the very small thickness of this grinding wheel prevents excessive heating of details



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GRINDING WHEELS FOR STEEL AND ALLOYS



	22/0,5 BF	26/0,5 BF	40/0,5 BF
External Diameter (mm)	22 ($\pm$ 0,5)	26 ($\pm$ 0,5)	40 ($\pm$ 0,5)
Thickness (mm)	0,5 ($\pm$ 0,05)	0,5 ($\pm$ 0,05)	0,5 ($\pm$ 0,05)
Maximum Speed (RPM)	50 000	50 000	38 000
Recommended Speed (RPM)	15-30 000	15-30 000	15-25 000
Pack Size (each)	20	20	20

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GRINDING WHEELS
FOR STEEL AND ALLOYS

GRINDING WHEELS

FOR STEEL AND ALLOYS

GRINDING WHEELS 22/0,5 BF

GRINDING WHEELS 26/0,5 BF

GRINDING WHEELS 40/0,5 BF

- highly efficient and strong grinding discs
 - for cutting steel and alloys
 - strengthened with a double layer of very thin fiberglass mesh
 - do not cause heating of the processed material or undue stress on power tools.
- With a thickness of 0.5 mm, they operate with a minimum of dust emissions.



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GRINDING WHEELS FOR STEEL AND ALLOYS



40/0,7 BF

External Diameter (mm)	40 ($\pm 0,5$)
Thickness (mm)	0,7 ($\pm 0,05$)
Maximum Speed (RPM)	38 000
Recommended Speed (RPM)	15-25 000
Pack Size (each)	20

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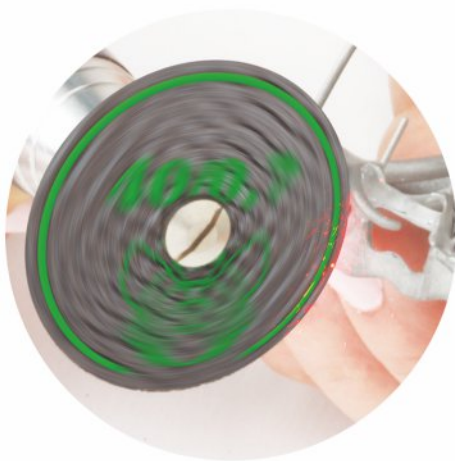
GRINDING WHEELS
FOR STEEL AND ALLOYS

GRINDING WHEELS

FOR STEEL AND ALLOYS

GRINDING WHEELS 40/0,7 BF

- highly efficient and strong grinding discs
 - for cutting steel and alloys
 - strengthened with a double layer of very thin fiberglass mesh
 - do not cause heating of the processed material or undue stress on power tools.
- With a thickness of 0.7 mm, they operate with a minimum of dust emissions.



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GRINDING WHEELS FOR STEEL AND ALLOYS



GRINDING WHEELS FOR STEEL AND ALLOYS



	26/1 BF	40/1 BF
External Diameter (mm)	26 ($\pm 0,5$)	40 ($\pm 0,5$)
Thickness (mm)	1 ($\pm 0,05$)	1 ($\pm 0,05$)
Maximum Speed (RPM)	50 000	38 000
Recommended Speed (RPM)	15-25 000	12-20 000
Pack Size (each)	20	20

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GRINDING WHEELS FOR STEEL AND ALLOYS

GRINDING WHEELS 26/1 BF GRINDING WHEELS 40/1 BF

- highly efficient and strong grinding discs
 - for cutting steel and alloys
 - strengthened with a double layer of very thin fiberglass mesh
 - do not cause heating of the processed material or undue stress on power tools.
- With a thickness of 1.0 mm, they enable polishing as well as cutting.



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GRINDING WHEELS FOR STEEL AND ALLOYS



	22/1H BF	31/1H BF	40/1H BF
External Diameter (mm)	22 ($\pm 0,5$)	31 ($\pm 0,5$)	40 ($\pm 0,5$)
Thickness (mm)	1 ($\pm 0,05$)	1 ($\pm 0,05$)	1 ($\pm 0,05$)
Maximum Speed (RPM)	50 000	50 000	38 000
Recommended Speed (RPM)	15-25 000	12-20 000	12-20 000
Pack Size (each)	20	20	20

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GRINDING WHEELS
FOR STEEL AND ALLOYS

GRINDING WHEELS

FOR STEEL AND ALLOYS

GRINDING WHEELS 22/1H BF (Hard)

GRINDING WHEELS 31/1H BF (Hard)

GRINDING WHEELS 40/1H BF (Hard)

- highly efficient and strong grinding wheels
- for cutting and processing steel and alloys
- strengthened with a double layer of very thin fiberglass mesh
- these grinding wheels 40/1 BFH (HARD) are designed for cutting and polishing at high speed



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GRINDING WHEELS
FOR TITANIUM AND PLASTIC



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GRINDING WHEELS

FOR TITANIUM AND PLASTIC



	26/0,4 BF	26/0,6 BF	40/0,6 BF
External Diameter (mm)	26 ($\pm$ 0,5)	26 ($\pm$ 0,5)	40 ($\pm$ 0,5)
Thickness (mm)	0,4 ($\pm$ 0,05)	0,6 ($\pm$ 0,05)	0,6 ($\pm$ 0,05)
Maximum Speed (RPM)	50 000	50 000	38 000
Recommended Speed (RPM)	10-15 000	10-15 000	10-15 000
Pack Size (each)	20	20	20

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GRINDING WHEELS FOR TITANIUM AND PLASTIC

GRINDING WHEELS 26/0,4 BF Ti

GRINDING WHEELS 26/0,6 BF Ti

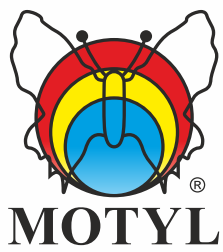
GRINDING WHEELS 40/0,6 BF Ti

- highly efficient and strong grinding wheels
- for cutting and processing titanium and plastic
- strengthened with a double layer of very thin fiberglass mesh
- do not cause heating of the processed material or undue stress on power tools.
With a thickness of 0.6 mm, they operate with a minimum of dust emissions.





notes





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