

[www.vincent.it](http://www.vincent.it)

# STONE BUSINESS UNIT

Stone Fabricator  
**Catalogue** 2022  
EN-US

# STONE

**Vincent**<sup>®</sup>  
TOOLS FOR QUARTZ INDUSTRIES

 SURFACES GROUP



# YES WE CARE

CREATING VALUE IN HARMONY  
WITH NATURE.

**Sostenibilità e soluzioni avanzate sono il mind set di Surfaces Group** che ha intrapreso una politica industriale all'insegna della sostenibilità

**Sustainability and leading-edge solutions make up the mindset of Surfaces Group** which implements an industrial policy based on sustainability.

Alcuni importanti progetti già concretizzati:

Important projects already successfully carried through:

- **Le Mole Free Dry di ADI** per la squadratura a secco. Permettono sia il riutilizzo delle polveri originate dalle lavorazioni per la formulazione di nuovi impasti, sia un più facilitato smaltimento degli scarti.
- **ECOS di International Chips**, rivoluziona la vibrofinitura con la tecnologia a secco, per trattare ogni tipologia di materiale senza l'utilizzo dell'acqua. Semplifica il ciclo di lavorazione, migliora l'efficienza, consente il risparmio idrico e elimina gli scarti fangosi.
- La **Linea IQ Luna Abrasivi** comprende mole abrasive di ultima generazione per superfici in agglomerato realizzate con un processo produttivo a basso consumo energetico.
- **Certificazione VOC Free per i trattamenti Gloss e Supergloss di Nocoat** che attesta l'assenza di formaldeide, benzene ed altri composti organici volatili nocivi per l'ambiente e le persone
- **Le mole Vincent HALO: ridotte emissioni di CO2 nell'aria** Grazie al corpo riciclabile in bronzo ed al volume e peso ridotto, le mole HALO usa e getta per vetri auto contribuiscono a ridurre la CO2 generata dai trasporti.
- **Un protocollo interno di "Buone regole"** per il riciclo e il contenimento dei consumi durante la nostra quotidiana vita in azienda. Molto si potrà e si dovrà ancora fare, ma Surfaces Group ha iniziato il suo cammino impegnativo ma necessario per invertire la rotta e promuovere uno sviluppo economico eco sostenibile.

- **ADI Free Dry Grinding Wheels** for dry squaring. They enable both the reuse of powders generated by processing for the production of new mixes and easier waste disposal.
- **ECOS by International Chips**, a revolutionary technology for dry vibratory mass surface finishing, for any type of material. It simplifies the processing cycle and improves efficiency, enabling water saving and sludge reduction.
- The **Luna Abrasivi IQ Line** comprises new-generation grinding wheels for agglomerate surfaces, manufactured using an energy-saving production process.
- **VOC Free certification for the NoCoat Gloss and Supergloss** treatments, certifying the absence of formaldehyde, benzene and other volatile organic compounds harmful for the environment and people.
- **VINCENT HALO wheels: CO2 reduction** Due to their recyclable core, their light weight and volume, HALO single use wheels contribute to the reduction of CO2 emissions caused by transportation.
- **An in-house "Good Practices"** protocol for recycling and resource saving during daily life within the organisation. A great deal more can and must be done, but Surfaces Group has started out on the demanding but essential path to transformational change, and the promotion of eco-sustainable economic growth.





IDENTITÀ DI GRUPPO  
GROUP IDENTITY

**Surfaces Group**  
Absolute finishing

Surfaces Group è leader italiano nel mondo per la produzione di soluzioni integrate per tutte le lavorazioni di finiture di ceramica, pietra, marmo, vetro, agglomerati, anticipando le tendenze future e offrendo soluzioni complete grazie alla sinergia di marchi di eccellenza che rappresentano il meglio del Made in Italy: Surfaces Technological Abrasives, ADI, NoCoat, International Chips, Luna Abrasiv, RBM e Vincent.

**Made in Italy** | Knowhow tecnologico, alta qualità delle materie prime e innovazione al servizio al cliente.

**Presenza Internazionale** | Operiamo direttamente per essere autentici partner.

**Tecnologia e Innovazione** | Studio di nuove soluzioni anticipando le esigenze di un mercato in continua evoluzione.

**Soluzioni Tailor-Made** | Eccellenti finiture su ogni tipologia di materiale studiate su misura grazie ad una ricerca costante.

Surfaces Group is Italian leader worldwide in the production of integrated solutions in finishing processes for ceramics, glass, stone, engineered stone, keeping ahead of future trends and offering complete solutions, thanks to the synergy of brands of excellence representing the best of Italian output: Surfaces Technological Abrasives, ADI, NoCoat, International Chips, Luna Abrasiv, RBM, Vincent.

**Made in Italy** | Technological know-how, high quality raw materials and innovation to our customers service.

**International Presence** | We operate directly enabling us to be an authentic partner.

**Technology and Innovation** | The research of new solutions, anticipating the needs of a continuous evolving market.

**Tailor-Made solutions** | Excellent finishes for any type of material, tailor-made thanks to constant research.

tecnologia italiana  
innovazione  
competenza  
ricerca  
esperienza  
presenza mondiale  
soluzioni su misura

Italian technology  
innovation  
know-how  
research  
experience  
worldwide presence  
custom solutions

Filiali dirette  
Direct subsidiaries

10

Settori chiave  
Key sectors

5

Siti produttivi  
Production sites

12

Dipendenti  
Employees

800

Paesi serviti  
Countries served

70

more brands one group



SURFACES GROUP



## Chi siamo *Who we are*

Dal 1974 VINCENT produce utensili diamantati per il taglio, la molatura e la levigatura di pietra naturale, agglomerato, vetro e piastrelle in ceramica.

La nostra organizzazione, che comprende siti produttivi in Italia e in Asia, conta attualmente oltre 300 risorse altamente qualificate e una presenza commerciale in oltre 70 paesi, servendo più di 1400 clienti in tutto il mondo.

### **LA NOSTRA MISSIONE: ESSERE SEMPRE AL TUO FIANCO**

I nostri clienti ci riconoscono per la qualità e la costanza delle prestazioni dei nostri utensili.

Questo riconoscimento è frutto di un percorso che ci vede impegnati da oltre 50 anni nella ricerca di soluzioni tecniche avanzate per elaborare prodotti innovativi e performanti. Più che fornitori ci piace definirci partner, parte attiva nel processo produttivo del cliente. Accompagniamo il cliente nell'applicazione, per aiutarlo nella definizione dell'utensile più adatto alle sue esigenze. L'obiettivo è ottenere la migliore soluzione possibile per la gestione del processo produttivo del cliente.

*VINCENT has been a leading manufacturer of diamond tools since 1974: tools that are used for cutting and grinding, as well as polishing natural stone, quartz agglomerate, glass and ceramic tiles.*

*Our organization, which includes production sites in Italy and Asia, currently counts over 300 highly qualified employees and a sales force present in over 70 countries, serving more than 1400 customers around the world.*

### **OUR MISSION: TO ALWAYS BE AT YOUR SIDE**

*Our customers value us for the quality and consistency in the performance of our tools.*

*This recognition is thanks to our quest over the past 50 years to find advanced technical solutions to develop innovative and performance geared products. More than just a supplier, we like to distinguish ourselves as partners, an active part of our clients' production process. We work together with our customers to apply and help define the tool most suited to their needs. The goal is to get the best possible solution to manage the customer's entire production process.*

**Vincent**<sup>®</sup>  
TOOLS FOR QUARTZ INDUSTRIES

**SURFACES GROUP**

## Una storia segnata dall'innovazione

*History marked by innovation*

1974

Nel 1974, a Thiene, cittadina dell'Alto Vicentino, venne fondata VINCENT, azienda che si specializzò produzione di utensili diamantati per il taglio, la molatura e la levigatura di pietra naturale, agglomerato, vetro e piastrelle in ceramica.

*VINCENT was founded in Thiene, a small town in the Northeast of Italy, in 1974. The company is specialized in the production of diamond tools for cutting, grinding and polishing stone, natural stone, quartz agglomerate, glass and ceramic tiles.*

1994

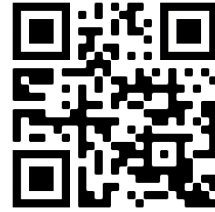
A vent'anni dalla fondazione, nel 1994, VINCENT suscitò l'interesse della famiglia austriaca Swarovski, che acquisì l'azienda facendola entrare nel gruppo TYROLIT, produttore di abrasivi. TYROLIT rafforzò la sua presenza nel mondo degli utensili per pietra naturale ed debuttò nei settori della produzione di utensili per ceramica e vetro. Negli anni, le innovazioni sono state molteplici, andando a coprire tutte le applicazioni per la lavorazione della pietra naturale, partendo dal filo usato nella cava, agli utensili per la lucidatura dei top cucina fino ai settori contigui, quali pietra agglomerata, ceramica, vetro, vetro auto e ottica.

*Twenty years after its foundation, in 1994, VINCENT caught the attention of the Austrian Swarovski family, who acquired the company and brought it into the TYROLIT group, manufacturers of abrasives. TYROLIT thus enforced its presence in the world of natural stone, and made its debut in ceramics and glass tools. Over the years, there have been many innovations, covering all applications for the processing of natural stone: starting from wire used in the quarry, to tools for polishing everything from kitchen tops to adjoining sectors, such as agglomerated stone, ceramic, glass, and automotive and optical glass.*

2021

Nel 2021 la divisione Quartz Industries è uscita dal gruppo TYROLIT entrando a far parte del gruppo Surfaces recuperando lo storico marchio "VINCENT", arricchito dalla tagline "Tools for Quartz industries", dando evidenza al quarzo, il minerale maggiormente diffuso sulla Terra, che è contenuto in ognuno dei materiali lavorati con gli utensili Vincent: pietra naturale, agglomerato, vetro e ceramica.

*In 2021, the Quartz Industries division left the TYROLIT group to become part of Surfaces group, reviving the historical "VINCENT" brand, enhanced by the tagline "Tools for Quartz industries". With an emphasis on quartz, the most widespread mineral on Earth, it is contained in each of the materials worked by Vincent tools: natural stone, agglomerate, glass and ceramic.*



Scopri l'evoluzione

*Discover the evolution*



## Competenza & esperienza Il vostro partner professionale

*Competence & experience  
Professional partner on equal terms*

VINCENT pone sempre il cliente al centro delle proprie attività, in ogni fase di sviluppo. Un team di tecnici e specialisti di prodotto, con numerosi anni di esperienza alle spalle, è a disposizione dei clienti in tutto il mondo e lavora per produrre le soluzioni più efficaci e vantaggiose.

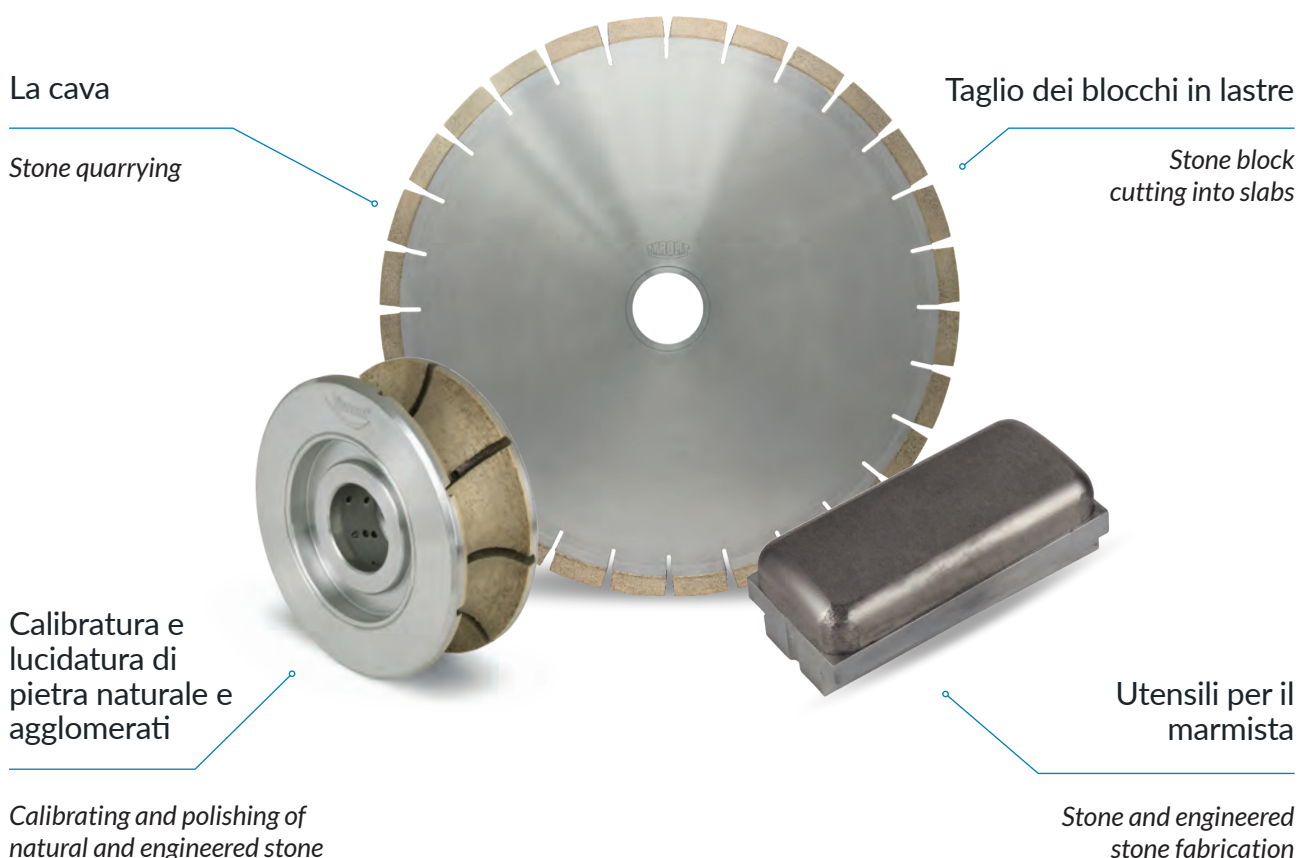
Il nome VINCENT è sinonimo di prodotti innovativi e di utensili della massima qualità. Nel nostro Dipartimento di Ricerca e Sviluppo lavoriamo costantemente su nuovi prodotti con l'obiettivo di rendere ancora più efficienti tutti i processi di lavorazione sull'infinita gamma di materiali dell'industria della pietra e del marmista.

*In all business development stages, VINCENT always places the customer at the centre of its activities. An experienced team of application engineers is available to our customers throughout the world and works to produce the most economically efficient solutions.*

*The name of VINCENT is synonymous with innovative products and tool quality at the highest possible level. In our Development we are constantly working on new and innovative products, aiming to make our customers' future processes even more efficient for the infinitive range of materials processing in all stone applications.*

## VINCENT – Un partner globale per tutte le lavorazioni dell'industria della pietra e del marmista

*VINCENT - A global partner for all applications in the stone industry and fabrication*



## Innovazioni per la lavorazione della pietra

### *Milestones for stone industry*

L'innovazione può avvenire solo sviluppando costantemente qualcosa di nuovo che serve all'intero settore. Nella lavorazione della pietra VINCENT gioca un ruolo attivo nello sviluppo dell'innovazione e i risultati ottenuti lo dimostrano nel lavoro quotidiano dei clienti in tutto il mondo.

*Innovation leadership can only be achieved by constantly coming up with something new that serves the whole branch. VINCENT has always played leading role in the Stone Industry, bringing many innovations in the market. In Stone Industry VINCENT plays an active role in developing innovation and the impressive milestones show it in the daily work of the customers all over the world.*



**1988**

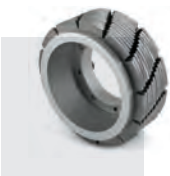
Settori oscillanti a legante metallico  
Rivoluzionano la lucidatura del granito e generano un aumento della produttività e una riduzione dei costi di lavorazione delle lastre.

*Metal bond diamond fickerts cause a revolution in the polishing of granite by increasing productivity and reducing processing costs.*



**1990**

VINCENT introduce gli utensili a legante metallico con fascia continua per la profilatura del granito su macchine CNC  
VINCENT introduces metal bonded diamond profiling tools with continuous rim for profiling edges of granite on CNC machines.



**1995**

I rulli calibratori a pacco dischi su teste fisse e rotanti stabiliscono un nuovo standard nel settore della pietra naturale e dei materiali agglomerati.

*Calibrating rollers with packed discs on either fixed or rotating heads, set a new standard in the natural and engineered stone industries.*



**2004**

Nuovo design dei settori oscillanti a legante metallico. La fascia diamantata continua con specifiche geometrie garantisce l'eccellente finitura delle lastre in granito e agglomerato.

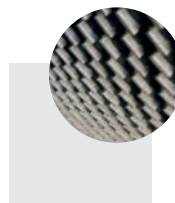
*New design of metal bond diamond fickerts with continuous diamond layer and specific geometry grants an excellent finishing of slab surfaces in granite and engineered stone.*



**2006**

Le mole lucidanti WINNER per macchine CNC sono le prime a realizzare una lucidatura perfetta, senza la necessità di ulteriori ritocchi manuali.

*WINNER CNC polishing wheels are the first to grant a perfect finish with no need of additional hand buffing.*



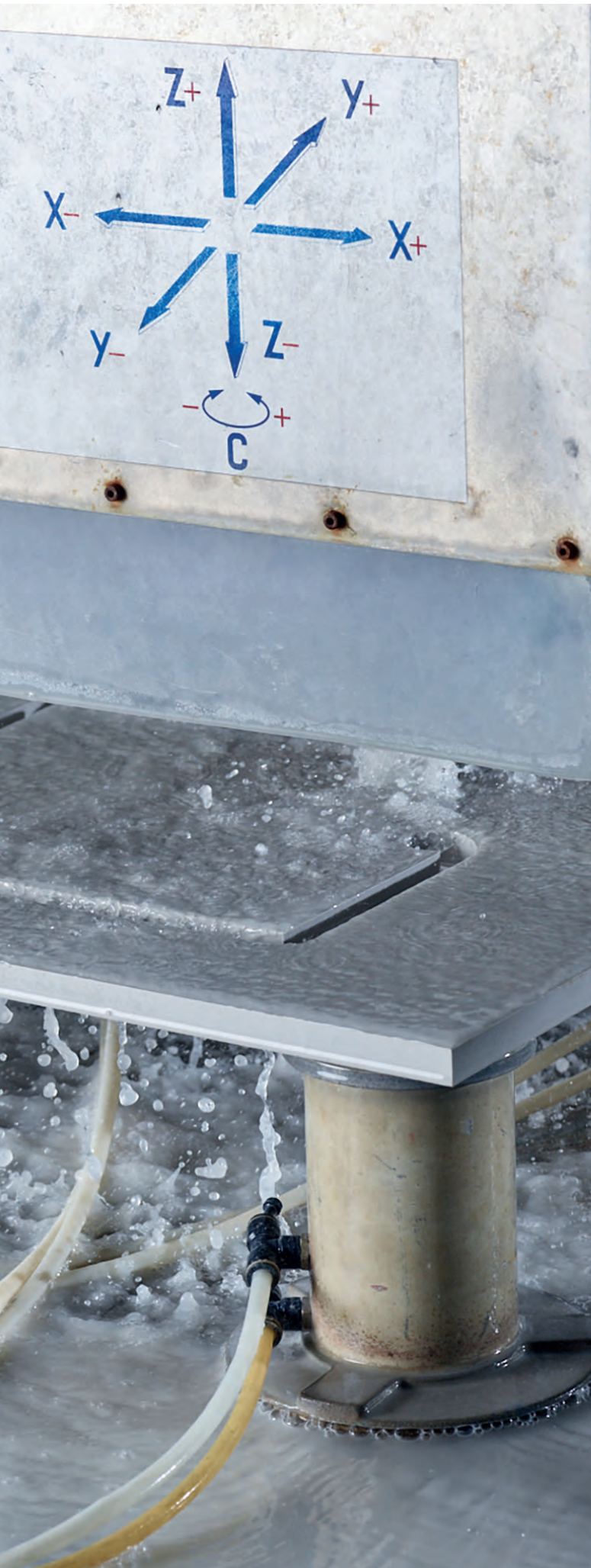
**2011**

Settori multistrato per dischi da taglio. I clienti richiedono velocità e alta produttività. I settori multistrato garantiscono un taglio a elevata velocità di graniti e pietre dure.

*Multilayer segments for circular saw blades customers need speed and high productivity. Multilayer segments guarantee ultra fast cutting of hard stones.*







STONE FABRICATION  
DIAMOND TOOLING

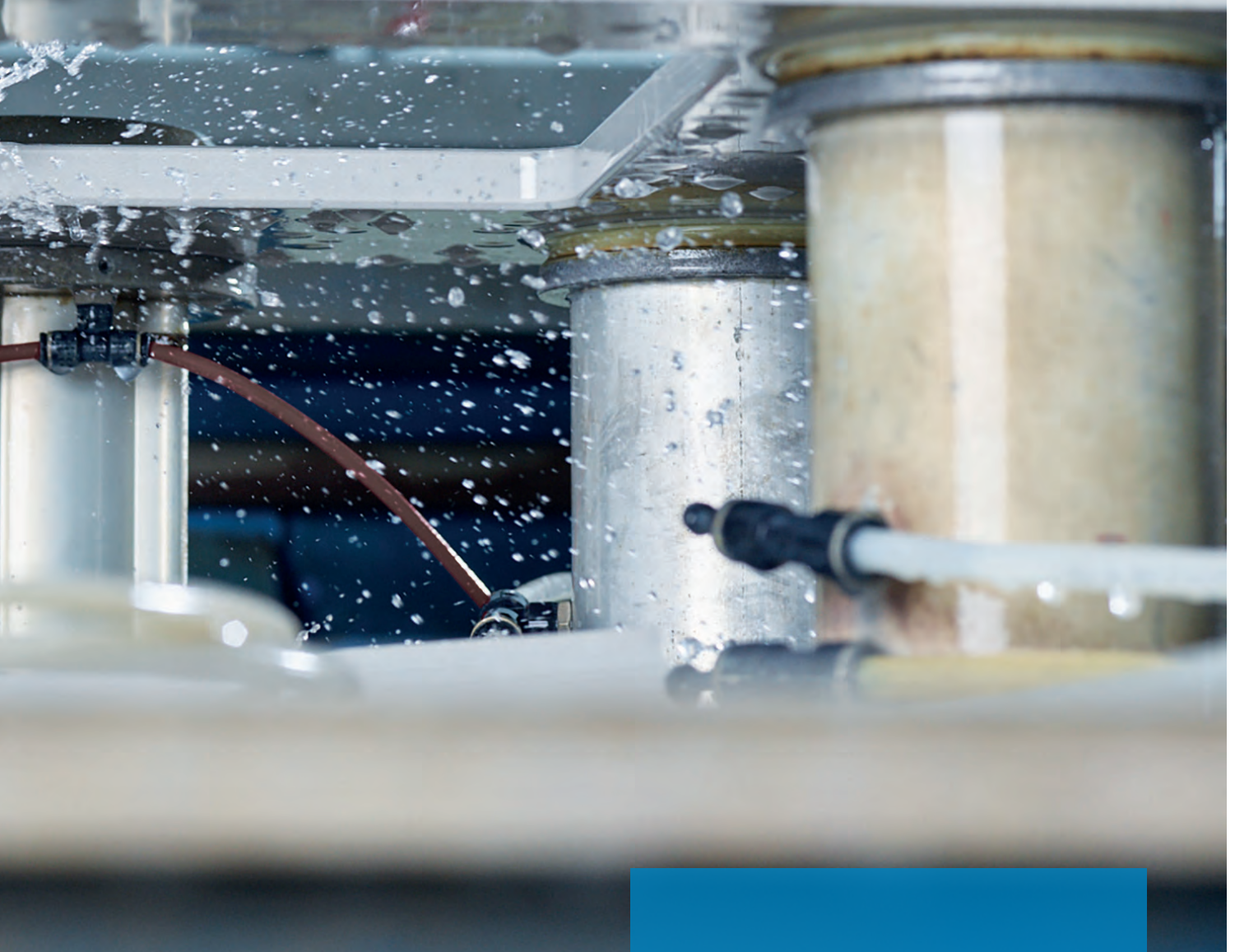


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CNC  
PROFILING TOOLS



## Roughing wheels for GRANITE and ENGINEERED STONES

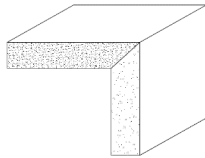


| Description   | Diameter | Bore | Sysnr    |
|---|----------|------|----------|
| Segmented profiling wheel 2x45° Double Hogger           | 120mm    | 35mm | 490196   |
| Segmented profiling wheel 45° Single Hogger             | 140mm    | 35mm | 480093   |
| Segmented profiling wheel Z35 Thick segment LONG LIFE   | 80mm     | 35mm | 34210075 |
| Segmented profiling wheel Z50 Thin segment FAST CUTTING | 80mm     | 35mm | 570397   |
| Segmented profiling wheel Z50 Thick segment LONG LIFE   | 80mm     | 35mm | 768215   |



|                                      |      |      |          |
|--------------------------------------|------|------|----------|
| Segmented profiling wheel Z35 CERAM2 | 80mm | 35mm | 34407747 |
|--------------------------------------|------|------|----------|

## Mitre system for GRANITE and ENGINEERED STONES



2 available positions



**480093**  
Position 0

**34012346**  
Position 1

Suitable for 20mm and 30mm slabs

| Position |                               | Ø (External) | Bore | Spindle speed | Feed rate | Stock removal | Sysnr    |
|----------|-------------------------------|--------------|------|---------------|-----------|---------------|----------|
| 0        | 45° segmented profiling wheel | 140mm        | 35mm | 4800-5500rpm  | 1m/min    | up to 0,4mm   | 480093   |
| 1        | 45° continuous band wheel     | 140mm        | 35mm | 4800-5500rpm  | 1m/min    | up to 0,2mm   | 34012346 |



|   |                               |       |      |              |        |             |          |
|---|-------------------------------|-------|------|--------------|--------|-------------|----------|
| 0 | 45° segmented profiling wheel | 100mm | 35mm | 4800-5500rpm | 1m/min | up to 0,4mm | 34393580 |
| 1 | 45° continuous band wheel     | 100mm | 35mm | 4800-5500rpm | 1m/min | up to 0,2mm | 34393015 |

## OSCILLATING wheels for GRANITE and ENGINEERED STONES

Can be used to eliminate superficial grooves on any profile with a straight section: A , ES , T , X , Z , etc...



764012  
Ø 50mm

34026765  
Ø 80mm

available in 2 different diameters

Suitable for 20mm and 30mm slabs

| Ø    | Height | Bore | Spindle speed | Feed rate   | Stock removal | Oscillating cycle (linear) | Sysnr    |
|------|--------|------|---------------|-------------|---------------|----------------------------|----------|
| 50mm | 50mm   | 35mm | 5.500 rpm     | 1250 mm/min | 0,05mm        | 800mm                      | 764012   |
| 80mm | 50mm   | 35mm | 5.500 rpm     | 1250 mm/min | 0,05mm        | 800mm                      | 34026765 |

## Chamfering for GRANITE and ENGINEERED STONES



available in 2 different diameters

Suitable for 20, 30 and 40mm slabs

| Description   | Ø<br>(External) | Bore | Sysnr    |
|---|-----------------|------|----------|
| Single 45° inclined wheel   | 80mm            | 35mm | 674636   |
|   | 120mm           | 35mm | 399591   |
| Same set of 2 45° inclined wheels, complete with spacers for 20mm, 30mm, 40mm slab tickness | 80mm            | 35mm | 674637   |
|   | 120mm           | 35mm | 462144   |
| Spacers for 20mm, 30mm, 40mm slab tickness  | Height 27mm     |      | 34355454 |
|   | Height 21mm     |      | 34355471 |

# EPIC

Vincent redefines CNC profiling wheels for stone fabrication.

Vincent has revolutionized the production of its CNC profile wheels in order to offer fabricators a boost in performance.

### Perfect hardness distribution:

HS3 tools have a perfect hardness distribution right across the working surface to reduce profile deformation. In an industry which is moving to simpler shapes, it is essential to have the best finish for the longest time possible.



Vincent offers a wide range of profiles and diameters:



### Increased lifetime:

A revolutionary manufacturing process allows longer intervals between tool reprofile or exchange.

### Ultra High Speed:

Thanks to a new bond and a redefined production process, HS3 wheels offer the possibility to run at over 9m/min (350 inches/min).



### Vincent Quality:

Since the stone fabrication on CNC machine started, Vincent has been known for top quality profile tools. The HS3 range of tooling once again places Vincent at the cutting edge of profile tool development.

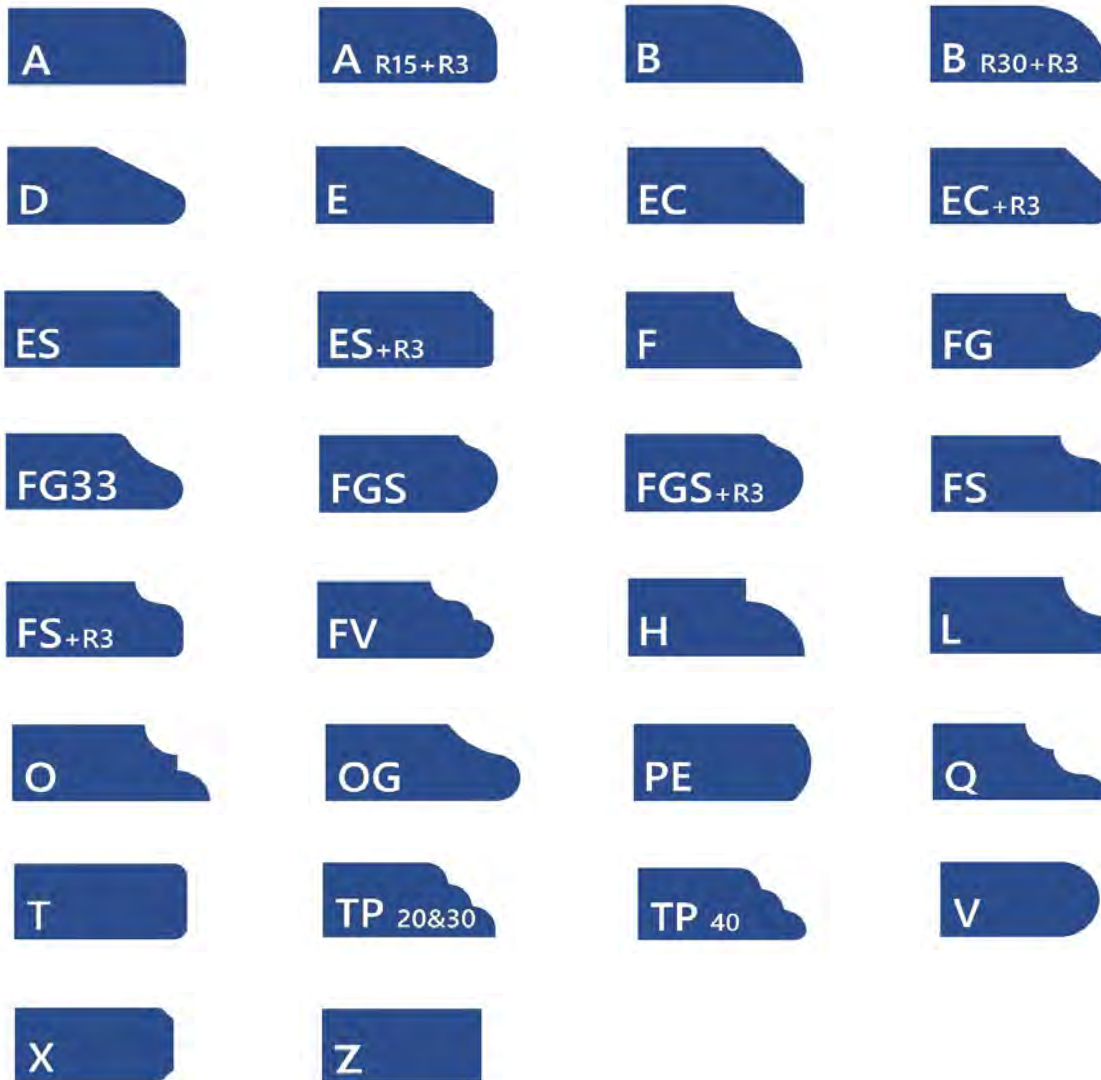
## Application guide for CNC profiling tools ( Ø 40mm - 140mm )



| Position | Type                           | Feed rate         | Stock removal | Spindle speed |
|----------|--------------------------------|-------------------|---------------|---------------|
| 0        | Segmented profiling wheel      | up to 4000 mm/min | up to 0,5 mm  | 4800-5500 rpm |
| 1        | EPIC - Slotted profiling wheel | up to 9500 mm/min | up to 0,3 mm  | 4800-5500 rpm |
| 2        | EPIC - Slotted profiling wheel | up to 9500 mm/min | up to 0,2 mm  | 4800-5500 rpm |
| 3        | EPIC - Slotted profiling wheel | up to 2500 mm/min | up to 0,1 mm  | 4800-4800 rpm |
| 1        | Slotted profiling wheel        | up to 5000 mm/min | up to 0,3 mm  | 4800-5500 rpm |
| 2        | Slotted profiling wheel        | up to 5000 mm/min | up to 0,2 mm  | 4800-5500 rpm |
| 3        | Slotted profiling wheel        | up to 2500 mm/min | up to 0,1 mm  | 4800-4800 rpm |
| 4        | WINNER polishing wheel         | up to 1500 mm/min | zero          | 2700 rpm      |
| 5        | WINNER polishing wheel         | up to 1500 mm/min | zero          | 2700 rpm      |
| 6        | WINNER polishing wheel         | up to 1500 mm/min | zero          | 2700 rpm      |



## List of profiles

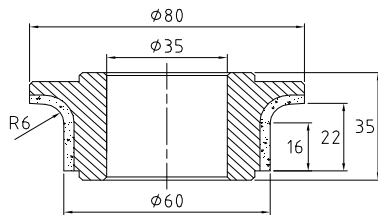


## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

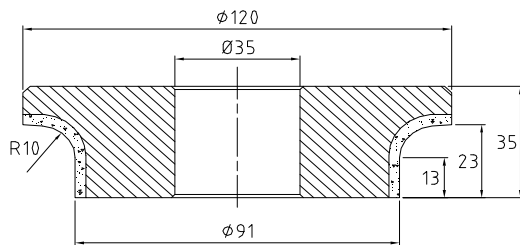
### Profile A - 20 r6



### Ø 80mm

|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 543845 |
| 1 | Slotted profiling wheel   | 543846 |
| 2 | Slotted profiling wheel   | 543848 |
| 3 | Slotted profiling wheel   | 543849 |
| 4 | WINNER polishing wheel    | 543850 |
| 5 | WINNER polishing wheel    | 543851 |
| 6 | WINNER polishing wheel    | 543852 |

### Profile A - 20 r10

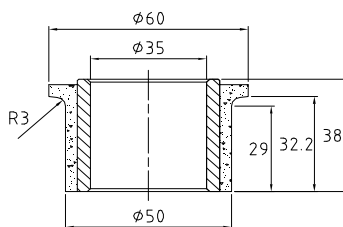


### Ø 120mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 533535 |
| 1 | Slotted profiling wheel   | 533536 |
| 2 | Slotted profiling wheel   | 533537 |
| 3 | Slotted profiling wheel   | 541176 |
| 4 | WINNER polishing wheel    | 402813 |
| 5 | WINNER polishing wheel    | 402814 |
| 6 | WINNER polishing wheel    | 402815 |

### Profile A - 30 r3



### Ø 60mm



|     |                           |          |
|-----|---------------------------|----------|
| 0   | Segmented profiling wheel | 34053959 |
| 1   | Slotted profiling wheel   | 34420522 |
| 2   | Slotted profiling wheel   | 34420523 |
| 3   | Slotted profiling wheel   | 34420524 |
| * 4 | WINNER polishing wheel    | 410027   |
| * 5 | WINNER polishing wheel    | 410028   |
| * 6 | WINNER polishing wheel    | 410029   |

\*minimum external Ø of WINNER = 60mm - larger than metal position

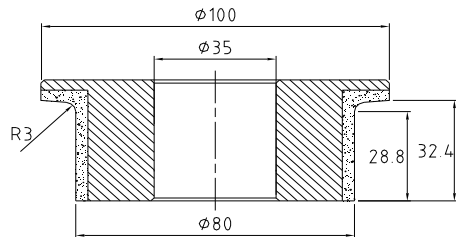
Available on request: electroplated wheels for marble and abrasive polishers

## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile A - 30 r3

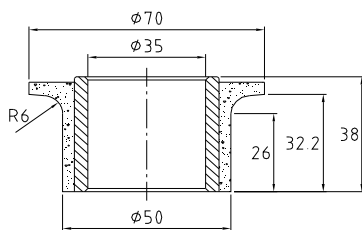


### Ø 100mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34180877 |
| 1 | Slotted profiling wheel   | 34419458 |
| 2 | Slotted profiling wheel   | 34419459 |
| 3 | Slotted profiling wheel   | 34419460 |
| 4 | WINNER polishing wheel    | 410027   |
| 5 | WINNER polishing wheel    | 410028   |
| 6 | WINNER polishing wheel    | 410029   |

### Profile A - 30 r6



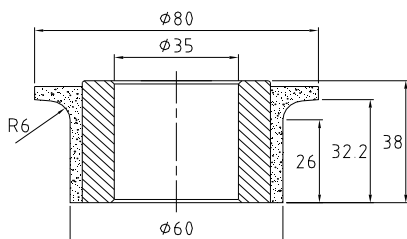
### Ø 70mm



|     |                           |          |
|-----|---------------------------|----------|
| 0   | Segmented profiling wheel | 34051222 |
| 1   | Slotted profiling wheel   | 34419482 |
| 2   | Slotted profiling wheel   | 34419483 |
| 3   | Slotted profiling wheel   | 34419484 |
| * 4 | WINNER polishing wheel    | 368100   |
| * 5 | WINNER polishing wheel    | 368101   |
| * 6 | WINNER polishing wheel    | 368102   |

\*minimum external Ø of WINNER = 60mm - larger than metal position

### Profile A - 30 r6



### Ø 80mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 606604   |
| 1 | Slotted profiling wheel   | 34415750 |
| 2 | Slotted profiling wheel   | 34415751 |
| 3 | Slotted profiling wheel   | 34415752 |
| 4 | WINNER polishing wheel    | 368100   |
| 5 | WINNER polishing wheel    | 368101   |
| 6 | WINNER polishing wheel    | 368102   |

Available on request: electroplated wheels for marble and abrasive polishers

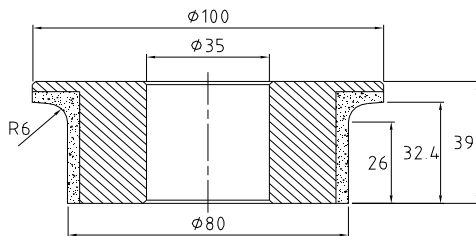
## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile A - 30 r6

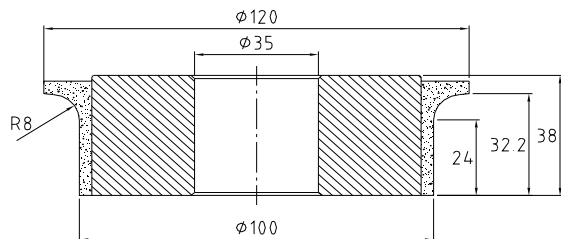
Ø 100mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 655623   |
| 1 | Slotted profiling wheel   | 34419477 |
| 2 | Slotted profiling wheel   | 34419478 |
| 3 | Slotted profiling wheel   | 34419481 |
| 4 | WINNER polishing wheel    | 368100   |
| 5 | WINNER polishing wheel    | 368101   |
| 6 | WINNER polishing wheel    | 368102   |

### Profile A - 30 r6

Ø 120mm



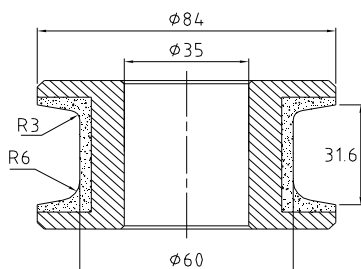
|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 582700 |
| 1 | Slotted profiling wheel   | 582701 |
| 2 | Slotted profiling wheel   | 582702 |
| 3 | Slotted profiling wheel   | 582705 |
| 4 | WINNER polishing wheel    | 368100 |
| 5 | WINNER polishing wheel    | 368101 |
| 6 | WINNER polishing wheel    | 368102 |



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile A - 30 r6+r3

Ø 80mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34237525 |
| 1 | Slotted profiling wheel   | 34419658 |
| 2 | Slotted profiling wheel   | 34419659 |
| 3 | Slotted profiling wheel   | 34419660 |
| 4 | WINNER polishing wheel    | 34165374 |
| 5 | WINNER polishing wheel    | 34165376 |
| 6 | WINNER polishing wheel    | 34165377 |

Available on request: electroplated wheels for marble and abrasive polishers

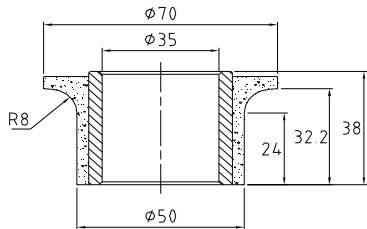
## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile A - 30 r8

### Ø 70mm

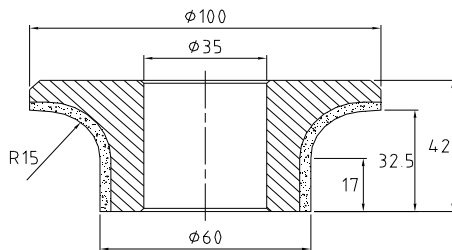


|     |                           |        |
|-----|---------------------------|--------|
| 0   | Segmented profiling wheel | 533551 |
| 1   | Slotted profiling wheel   | 533552 |
| 2   | Slotted profiling wheel   | 533553 |
| 3   | Slotted profiling wheel   | 541182 |
| * 4 | WINNER polishing wheel    | 374795 |
| * 5 | WINNER polishing wheel    | 374796 |
| * 6 | WINNER polishing wheel    | 374798 |

\*minimum external Ø of WINNER = 60mm - larger than metal position

### Profile A - 30 r15

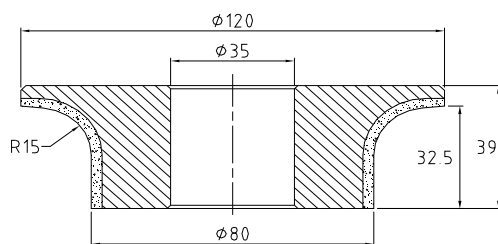
### Ø 100mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 668292   |
| 1 | Slotted profiling wheel   | 34420525 |
| 2 | Slotted profiling wheel   | 34420526 |
| 3 | Slotted profiling wheel   | 34420527 |
| 4 | WINNER polishing wheel    | 368103   |
| 5 | WINNER polishing wheel    | 368104   |
| 6 | WINNER polishing wheel    | 368105   |

### Profile A - 30 r15

### Ø 120mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34047098 |
| 1 | Slotted profiling wheel   | 34414117 |
| 2 | Slotted profiling wheel   | 34414118 |
| 3 | Slotted profiling wheel   | 34414119 |
| 4 | WINNER polishing wheel    | 368103   |
| 5 | WINNER polishing wheel    | 368104   |
| 6 | WINNER polishing wheel    | 368105   |

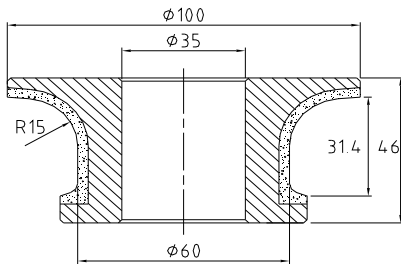
Available on request: electroplated wheels for marble and abrasive polishers

## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile A - 30 r15+r3

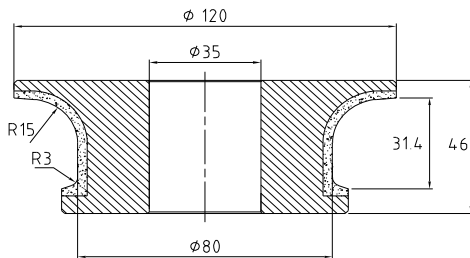


### Ø 100mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34048103 |
| 1 | Slotted profiling wheel   | 34409073 |
| 2 | Slotted profiling wheel   | 34409076 |
| 3 | Slotted profiling wheel   | 34409078 |
| 4 | WINNER polishing wheel    | 526518   |
| 5 | WINNER polishing wheel    | 526519   |
| 6 | WINNER polishing wheel    | 526520   |

### Profile A - 30 r15+r3



### Ø 120mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34239769 |
| 1 | Slotted profiling wheel   | 34403261 |
| 2 | Slotted profiling wheel   | 34403263 |
| 3 | Slotted profiling wheel   | 34403265 |
| 4 | WINNER polishing wheel    | 526518   |
| 5 | WINNER polishing wheel    | 526519   |
| 6 | WINNER polishing wheel    | 526520   |

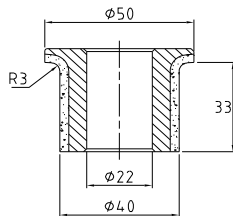
Available on request: electroplated wheels for marble and abrasive polishers

## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile A - 33 r3

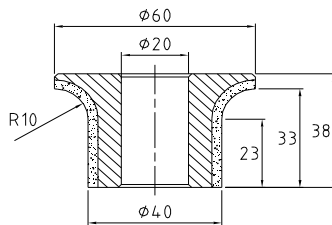


Ø 50mm - \*\*\* Bore 22mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34372484 |
| 1 | Slotted profiling wheel   | 34375441 |
| 2 | Slotted profiling wheel   | 34375442 |
| 3 | Slotted profiling wheel   | 34375443 |
| 4 | WINNER polishing wheel    | 34369652 |
| 5 | WINNER polishing wheel    | 34369653 |
| 6 | WINNER polishing wheel    | 34369655 |

### Profile A - 33 r10



Ø 60mm - \*\*\* Bore 20mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 657553 |
| 1 | Slotted profiling wheel   | 657557 |
| 2 | Slotted profiling wheel   | 657560 |
| 3 | Slotted profiling wheel   | 657561 |
| 4 | WINNER polishing wheel    | 658356 |
| 5 | WINNER polishing wheel    | 658357 |
| 6 | WINNER polishing wheel    | 658359 |

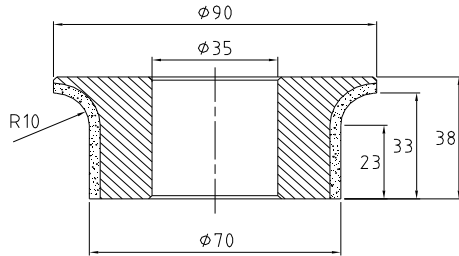
Available on request: electroplated wheels for marble and abrasive polishers

## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile A - 33 r10

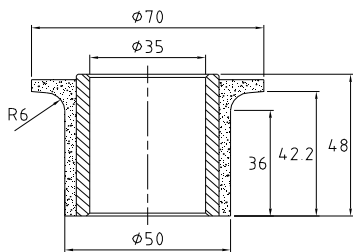


### Ø 90mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34369283 |
| 1 | Slotted profiling wheel   | 34423956 |
| 2 | Slotted profiling wheel   | 34423958 |
| 3 | Slotted profiling wheel   | 34423959 |
| 4 | WINNER polishing wheel    | 640237   |
| 5 | WINNER polishing wheel    | 640238   |
| 6 | WINNER polishing wheel    | 640239   |

### Profile A - 40 r6



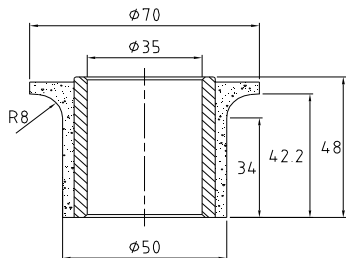
### Ø 70mm



|     |                           |        |
|-----|---------------------------|--------|
| 0   | Segmented profiling wheel | 554719 |
| 1   | Slotted profiling wheel   | 554720 |
| 2   | Slotted profiling wheel   | 554721 |
| 3   | Slotted profiling wheel   | 554722 |
| * 4 | WINNER polishing wheel    | 458773 |
| * 5 | WINNER polishing wheel    | 458774 |
| * 6 | WINNER polishing wheel    | 458775 |

\*minimum external Ø of WINNER = 60mm - larger than metal position

### Profile A - 40 r8



### Ø 70mm



|     |                           |        |
|-----|---------------------------|--------|
| 0   | Segmented profiling wheel | 533557 |
| 1   | Slotted profiling wheel   | 533560 |
| 2   | Slotted profiling wheel   | 533561 |
| 3   | Slotted profiling wheel   | 541183 |
| * 4 | WINNER polishing wheel    | 461476 |
| * 5 | WINNER polishing wheel    | 461478 |
| * 6 | WINNER polishing wheel    | 461480 |

\*minimum external Ø of WINNER = 60mm - larger than metal position

Available on request: electroplated wheels for marble and abrasive polishers



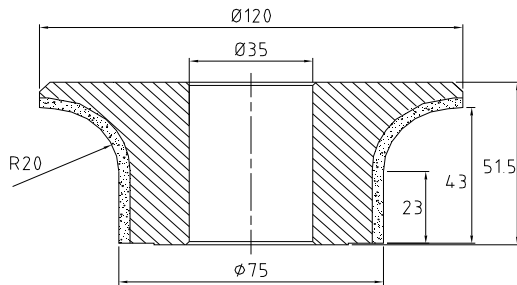
## Profiling wheels for GRANITE and ENGINEERED STONE



| Description | Sysnr |
|-------------|-------|
|-------------|-------|

### Profile A - 40 r20

Ø 120mm



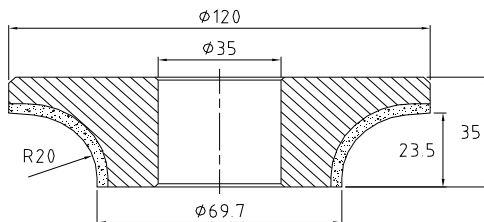
|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 533562   |
| 1 | Slotted profiling wheel   | 34422493 |
| 2 | Slotted profiling wheel   | 34422497 |
| 3 | Slotted profiling wheel   | 34422498 |
| 4 | WINNER polishing wheel    | 402816   |
| 5 | WINNER polishing wheel    | 402817   |
| 6 | WINNER polishing wheel    | 402818   |



| Description | Sysnr |
|-------------|-------|
|-------------|-------|

### Profile B - 20 r20

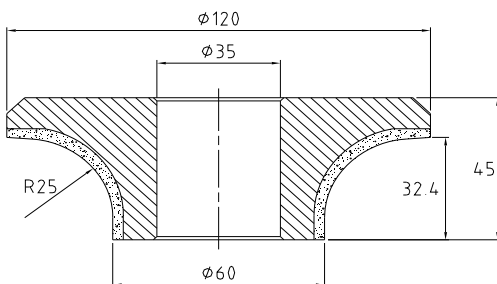
Ø 120mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 533566 |
| 1 | Slotted profiling wheel   | 533569 |
| 2 | Slotted profiling wheel   | 533570 |
| 3 | Slotted profiling wheel   | 541186 |
| 4 | WINNER polishing wheel    | 400040 |
| 5 | WINNER polishing wheel    | 400041 |
| 6 | WINNER polishing wheel    | 400042 |

### Profile B - 30 r25

Ø 120mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 668293   |
| 1 | Slotted profiling wheel   | 34420460 |
| 2 | Slotted profiling wheel   | 34420531 |
| 3 | Slotted profiling wheel   | 34420532 |
| 4 | WINNER polishing wheel    | 374799   |
| 5 | WINNER polishing wheel    | 374800   |
| 6 | WINNER polishing wheel    | 374801   |

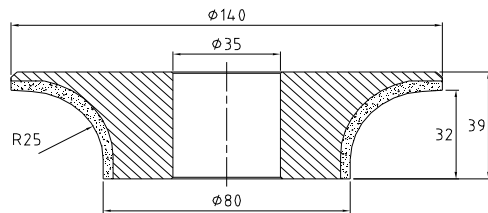
Available on request: electroplated wheels for marble and abrasive polishers

## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile B - 30 r25

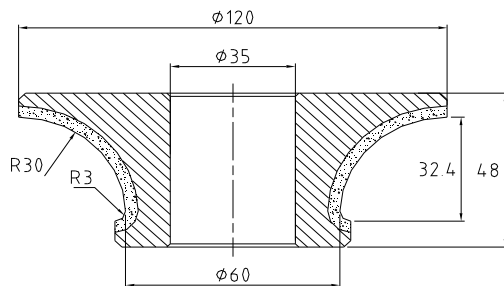


### Ø 140mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 530515 |
| 1 | Slotted profiling wheel   | 530516 |
| 2 | Slotted profiling wheel   | 530517 |
| 3 | Slotted profiling wheel   | 541187 |
| 4 | WINNER polishing wheel    | 374799 |
| 5 | WINNER polishing wheel    | 374800 |
| 6 | WINNER polishing wheel    | 374801 |

### Profile B - 30 r30+r3

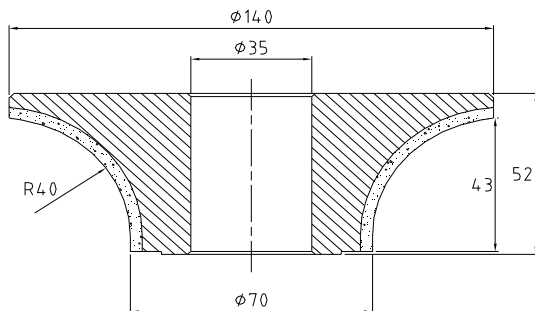


### Ø 120mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34051226 |
| 1 | Slotted profiling wheel   | 34419455 |
| 2 | Slotted profiling wheel   | 34419456 |
| 3 | Slotted profiling wheel   | 34419457 |
| 4 | WINNER polishing wheel    | 495783   |
| 5 | WINNER polishing wheel    | 495784   |
| 6 | WINNER polishing wheel    | 495786   |

### Profile B - 40 r40



### Ø 140mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 533572 |
| 1 | Slotted profiling wheel   | 533573 |
| 2 | Slotted profiling wheel   | 533575 |
| 3 | Slotted profiling wheel   | 541189 |
| 4 | WINNER polishing wheel    | 393820 |
| 5 | WINNER polishing wheel    | 393821 |
| 6 | WINNER polishing wheel    | 393822 |

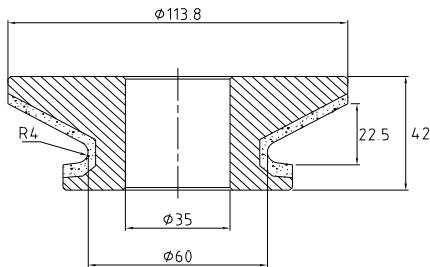
Available on request: electroplated wheels for marble and abrasive polishers

## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile D - 20



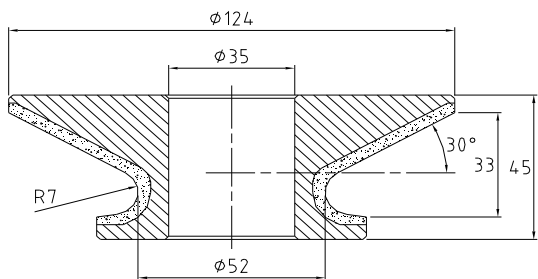
### Ø 114mm



|     |                           |          |
|-----|---------------------------|----------|
| 0   | Segmented profiling wheel | 34398885 |
| 1   | Slotted profiling wheel   | 34398886 |
| 2   | Slotted profiling wheel   | 34398887 |
| 3   | Slotted profiling wheel   | 34398888 |
| * 4 | WINNER polishing wheel    | 34397400 |
| * 5 | WINNER polishing wheel    | 34397421 |
| * 6 | WINNER polishing wheel    | 34397422 |

\*minimum external Ø of WINNER = 60mm - larger than metal position

### Profile D - 30



### Ø 124mm



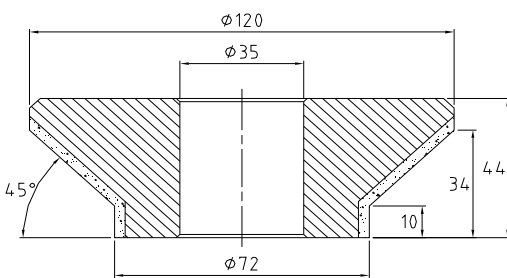
|     |                           |          |
|-----|---------------------------|----------|
| 0   | Segmented profiling wheel | 533974   |
| 1   | Slotted profiling wheel   | 34504322 |
| 2   | Slotted profiling wheel   | 34504321 |
| 3   | Slotted profiling wheel   | 34504300 |
| * 4 | WINNER polishing wheel    | 402819   |
| * 5 | WINNER polishing wheel    | 402820   |
| * 6 | WINNER polishing wheel    | 402821   |

\*minimum external Ø of WINNER = 60mm - larger than metal position



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile E - 30



### Ø 120mm

|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 533983 |
| 1 | Slotted profiling wheel   | 533984 |
| 2 | Slotted profiling wheel   | 533986 |
| 3 | Slotted profiling wheel   | 541196 |
| 4 | WINNER polishing wheel    | 397235 |
| 5 | WINNER polishing wheel    | 397237 |
| 6 | WINNER polishing wheel    | 397238 |

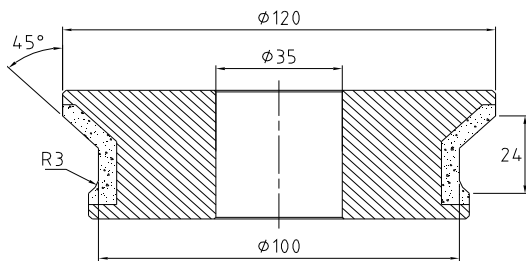
Available on request: electroplated wheels for marble and abrasive polishers

## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile EC - 20 r3

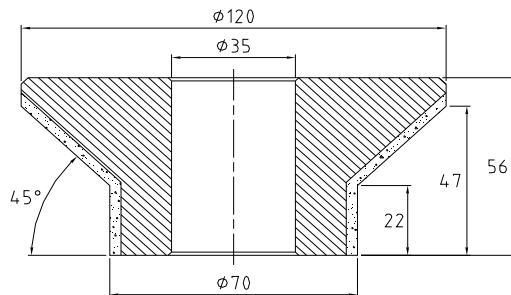


### Ø 120mm

|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34164957 |
| 1 | Segmented profiling wheel | 34164958 |
| 2 | Segmented profiling wheel | 34164960 |
| 3 | Segmented profiling wheel | 34164981 |
| 4 | WINNER polishing wheel    | 34168854 |
| 5 | WINNER polishing wheel    | 34168855 |
| 6 | WINNER polishing wheel    | 34168856 |

### Profile EC - 30&40

(Same set for both 30mm and 40mm slabs)

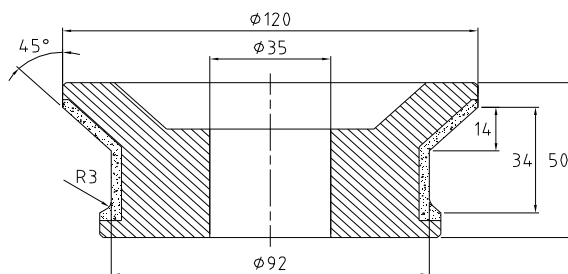


### Ø 120mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 533987   |
| 1 | Slotted profiling wheel   | 34422090 |
| 2 | Slotted profiling wheel   | 34422142 |
| 3 | Slotted profiling wheel   | 34422143 |
| 4 | WINNER polishing wheel    | 386926   |
| 5 | WINNER polishing wheel    | 386927   |
| 6 | WINNER polishing wheel    | 386928   |

### Profile EC - 30 r3



### Ø 120mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34159924 |
| 1 | Slotted profiling wheel   | 34417310 |
| 2 | Slotted profiling wheel   | 34417321 |
| 3 | Slotted profiling wheel   | 34417322 |
| 4 | WINNER polishing wheel    | 34161139 |
| 5 | WINNER polishing wheel    | 34161143 |
| 6 | WINNER polishing wheel    | 34161144 |

Available on request: electroplated wheels for marble and abrasive polishers

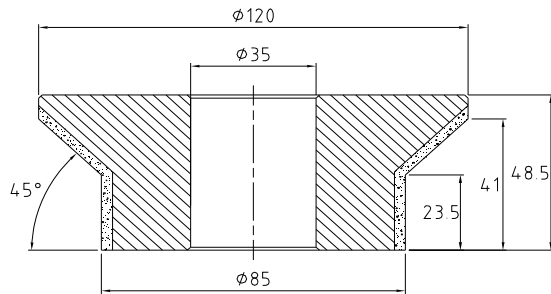
## Profiling wheels for GRANITE and ENGINEERED STONE



| Description | Sysnr |
|-------------|-------|
|-------------|-------|

### Profile EC - 38

Ø 120mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 667137 |
| 1 | Slotted profiling wheel   | 667143 |
| 2 | Slotted profiling wheel   | 667144 |
| 3 | Slotted profiling wheel   | 667145 |
| 4 | WINNER polishing wheel    | 487091 |
| 5 | WINNER polishing wheel    | 487092 |
| 6 | WINNER polishing wheel    | 487093 |



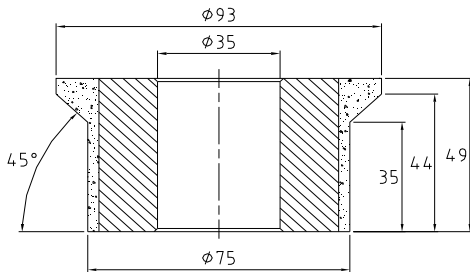
| Description | Sysnr |
|-------------|-------|
|-------------|-------|

### Profile ES - 30&40

Ø 93mm



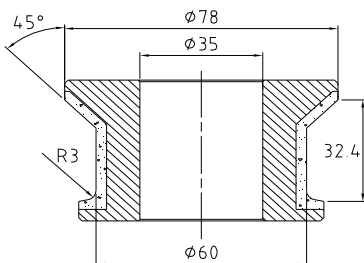
(Same set for both 30mm and 40mm slabs)



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34048911 |
| 1 | Slotted profiling wheel   | 34402943 |
| 2 | Slotted profiling wheel   | 34402944 |
| 3 | Slotted profiling wheel   | 34402945 |
| 4 | WINNER polishing wheel    | 374805   |
| 5 | WINNER polishing wheel    | 374807   |
| 6 | WINNER polishing wheel    | 374808   |

### Profile ES - 30 r3

Ø 78mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34259315 |
| 1 | Slotted profiling wheel   | 34416726 |
| 2 | Slotted profiling wheel   | 34416727 |
| 3 | Slotted profiling wheel   | 34416728 |
| 4 | WINNER polishing wheel    | 34216899 |
| 5 | WINNER polishing wheel    | 34216931 |
| 6 | WINNER polishing wheel    | 34216932 |

Available on request: electroplated wheels for marble and abrasive polishers

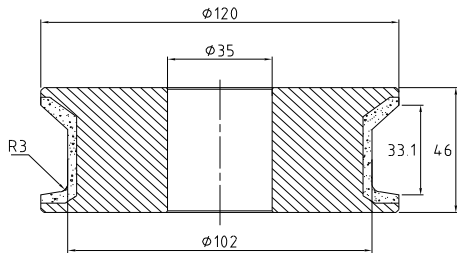
## Profiling wheels for GRANITE and ENGINEERED STONE



| Description | Sysnr |
|-------------|-------|
|-------------|-------|

### Profile ES - 30 r3

Ø 120mm



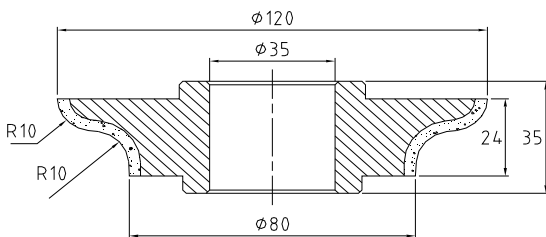
|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34251696 |
| 1 | Slotted profiling wheel   | 34405309 |
| 2 | Slotted profiling wheel   | 34405300 |
| 3 | Slotted profiling wheel   | 34405341 |
| 4 | WINNER polishing wheel    | 34216899 |
| 5 | WINNER polishing wheel    | 34216931 |
| 6 | WINNER polishing wheel    | 34216932 |



| Description | Sysnr |
|-------------|-------|
|-------------|-------|

### Profile F - 20

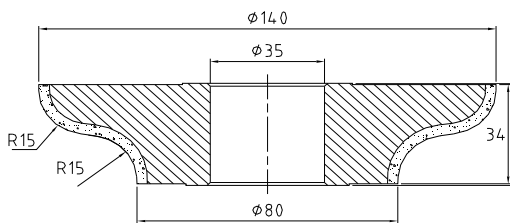
Ø 120mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 534030 |
| 1 | Slotted profiling wheel   | 534031 |
| 2 | Slotted profiling wheel   | 534032 |
| 3 | Slotted profiling wheel   | 541200 |
| 4 | WINNER polishing wheel    | 402825 |
| 5 | WINNER polishing wheel    | 402828 |
| 6 | WINNER polishing wheel    | 402829 |

### Profile F - 30

Ø 140mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 534033 |
| 1 | Slotted profiling wheel   | 534034 |
| 2 | Slotted profiling wheel   | 534037 |
| 3 | Slotted profiling wheel   | 541201 |
| 4 | WINNER polishing wheel    | 374802 |
| 5 | WINNER polishing wheel    | 374803 |
| 6 | WINNER polishing wheel    | 374804 |

Available on request: electroplated wheels for marble and abrasive polishers

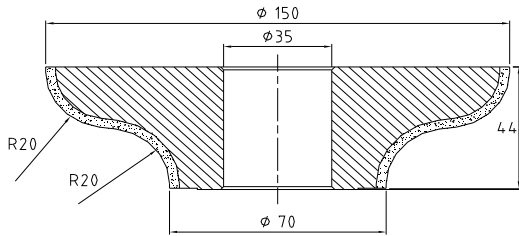
## Profiling wheels for GRANITE and ENGINEERED STONE



| Description | Sysnr |
|-------------|-------|
|-------------|-------|

### Profile F - 40

Ø 150mm



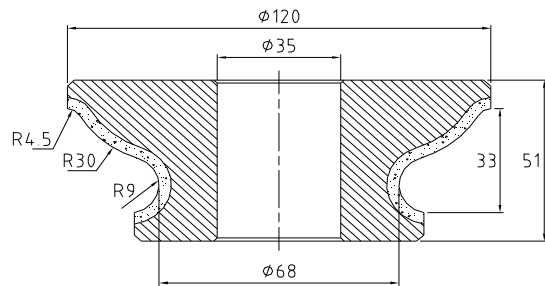
|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 534038 |
| 1 | Slotted profiling wheel   | 534039 |
| 2 | Slotted profiling wheel   | 534040 |
| 3 | Slotted profiling wheel   | 541202 |
| 4 | WINNER polishing wheel    | 402830 |
| 5 | WINNER polishing wheel    | 402831 |
| 6 | WINNER polishing wheel    | 402832 |



| Description | Sysnr |
|-------------|-------|
|-------------|-------|

### Profile FG - 33

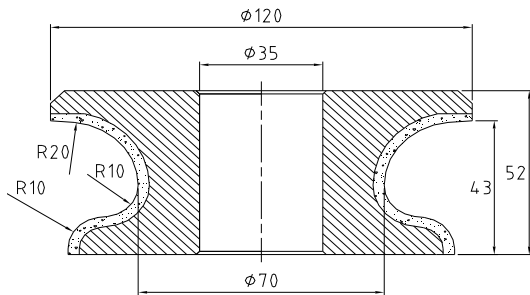
Ø 120mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34044148 |
| 1 | Slotted profiling wheel   | 34424738 |
| 2 | Slotted profiling wheel   | 34424739 |
| 3 | Slotted profiling wheel   | 34424740 |
| 4 | WINNER polishing wheel    | 393503   |
| 5 | WINNER polishing wheel    | 393505   |
| 6 | WINNER polishing wheel    | 393506   |

### Profile FG - 40

Ø 120mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 534051 |
| 1 | Slotted profiling wheel   | 534052 |
| 2 | Slotted profiling wheel   | 534055 |
| 3 | Slotted profiling wheel   | 541207 |
| 4 | WINNER polishing wheel    | 382678 |
| 5 | WINNER polishing wheel    | 382680 |
| 6 | WINNER polishing wheel    | 382683 |

Available on request: electroplated wheels for marble and abrasive polishers

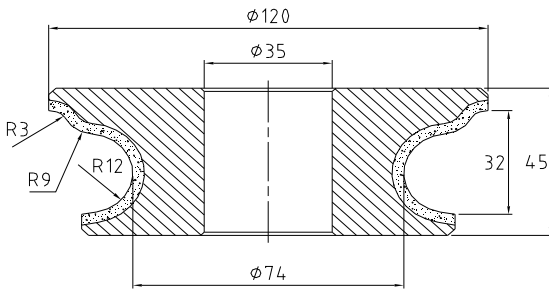
## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile FGS - 30 r3

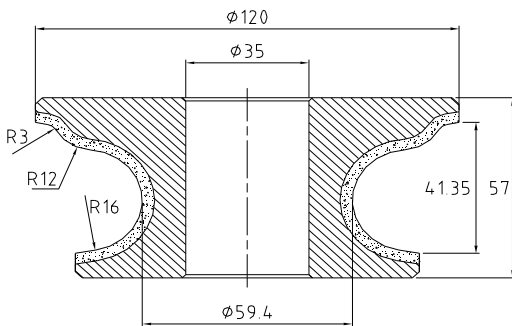
Ø 120mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 543785 |
| 1 | Slotted profiling wheel   | 543787 |
| 2 | Slotted profiling wheel   | 543788 |
| 3 | Slotted profiling wheel   | 543789 |
| 4 | WINNER polishing wheel    | 543790 |
| 5 | WINNER polishing wheel    | 543791 |
| 6 | WINNER polishing wheel    | 543792 |

### Profile FGS - 40 r3

Ø 120mm

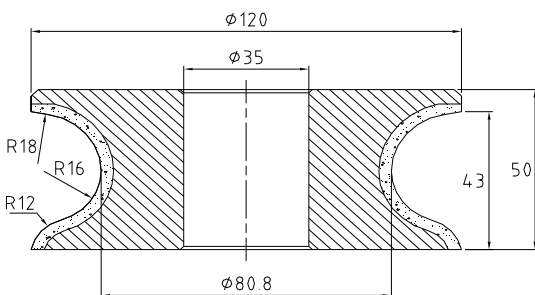


|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 534062 |
| 1 | Slotted profiling wheel   | 534064 |
| 2 | Slotted profiling wheel   | 534066 |
| 3 | Slotted profiling wheel   | 541210 |
| 4 | WINNER polishing wheel    | 465602 |
| 5 | WINNER polishing wheel    | 465603 |
| 6 | WINNER polishing wheel    | 465604 |

|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile FGS - 40

Ø 120mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 534058 |
| 1 | Slotted profiling wheel   | 534059 |
| 2 | Slotted profiling wheel   | 534060 |
| 3 | Slotted profiling wheel   | 541208 |
| 4 | WINNER polishing wheel    | 377925 |
| 5 | WINNER polishing wheel    | 377926 |
| 6 | WINNER polishing wheel    | 377927 |

Available on request: electroplated wheels for marble and abrasive polishers



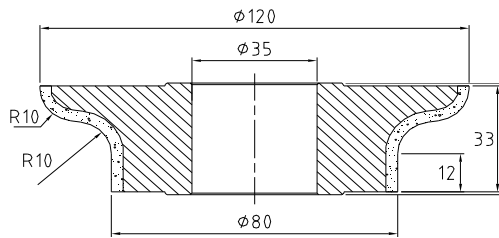
## Profiling wheels for GRANITE and ENGINEERED STONE



| Description | Sysnr |
|-------------|-------|
|-------------|-------|

### Profile FS - 30

Ø 120mm



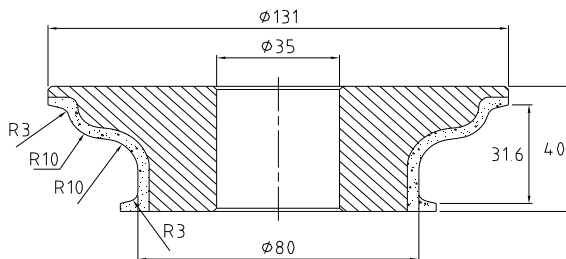
|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34051224 |
| 1 | Slotted profiling wheel   | 34414193 |
| 2 | Slotted profiling wheel   | 34414194 |
| 3 | Slotted profiling wheel   | 34414195 |
| 4 | WINNER polishing wheel    | 368107   |
| 5 | WINNER polishing wheel    | 368108   |
| 6 | WINNER polishing wheel    | 368109   |



| Description | Sysnr |
|-------------|-------|
|-------------|-------|

### Profile FS - 30 r3

Ø 130mm



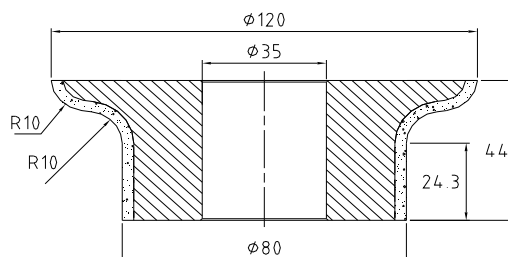
|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34048912 |
| 1 | Slotted profiling wheel   | 34415229 |
| 2 | Slotted profiling wheel   | 34415230 |
| 3 | Slotted profiling wheel   | 34415234 |
| 4 | WINNER polishing wheel    | 539356   |
| 5 | WINNER polishing wheel    | 539358   |
| 6 | WINNER polishing wheel    | 539360   |



| Description | Sysnr |
|-------------|-------|
|-------------|-------|

### Profile FS - 40

Ø 120mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 534071   |
| 1 | Slotted profiling wheel   | 34421295 |
| 2 | Slotted profiling wheel   | 34421296 |
| 3 | Slotted profiling wheel   | 34421297 |
| 4 | WINNER polishing wheel    | 386929   |
| 5 | WINNER polishing wheel    | 386930   |
| 6 | WINNER polishing wheel    | 386931   |

Available on request: electroplated wheels for marble and abrasive polishers

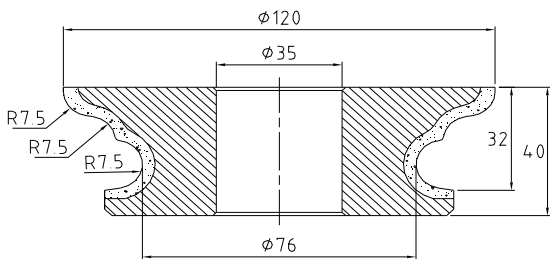
## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile FV - 30

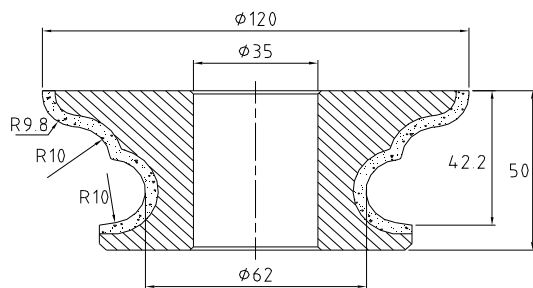
Ø 120mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 534074 |
| 1 | Slotted profiling wheel   | 534076 |
| 2 | Slotted profiling wheel   | 534080 |
| 3 | Slotted profiling wheel   | 541214 |
| 4 | WINNER polishing wheel    | 386934 |
| 5 | WINNER polishing wheel    | 386936 |
| 6 | WINNER polishing wheel    | 386937 |

### Profile FV - 40

Ø 120mm



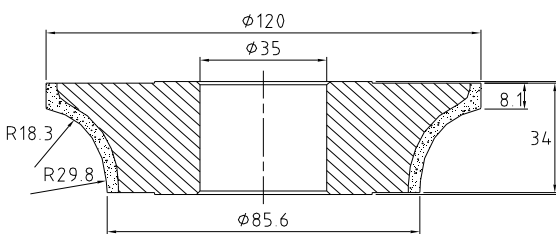
|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 534081 |
| 1 | Slotted profiling wheel   | 534084 |
| 2 | Slotted profiling wheel   | 534086 |
| 3 | Slotted profiling wheel   | 541215 |
| 4 | WINNER polishing wheel    | 386940 |
| 5 | WINNER polishing wheel    | 386941 |
| 6 | WINNER polishing wheel    | 386942 |



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile H - 30

Ø 120mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 534142 |
| 1 | Slotted profiling wheel   | 534144 |
| 2 | Slotted profiling wheel   | 534146 |
| 3 | Slotted profiling wheel   | 541218 |
| 4 | WINNER polishing wheel    | 402839 |
| 5 | WINNER polishing wheel    | 402840 |
| 6 | WINNER polishing wheel    | 402841 |

Available on request: electroplated wheels for marble and abrasive polishers

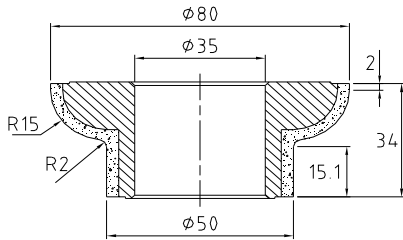
## Profiling wheels for GRANITE and ENGINEERED STONE



| Description | Sysnr |
|-------------|-------|
|-------------|-------|

### Profile L - 30

Ø 80mm



|     |                           |          |
|-----|---------------------------|----------|
| 0   | Segmented profiling wheel | 34423671 |
| 1   | Slotted profiling wheel   | 552133   |
| 2   | Slotted profiling wheel   | 552134   |
| 3   | Slotted profiling wheel   | 552135   |
| * 4 | WINNER polishing wheel    | 402848   |
| * 5 | WINNER polishing wheel    | 402850   |
| * 6 | WINNER polishing wheel    | 402851   |

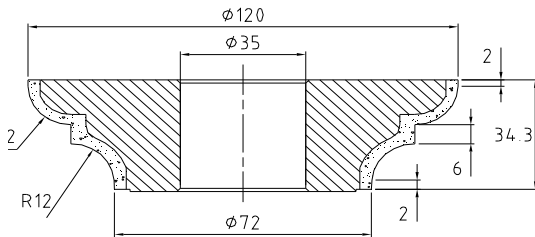
\*minimum external Ø of WINNER = 60mm - larger than metal position



| Description | Sysnr |
|-------------|-------|
|-------------|-------|

### Profile O - 30

Ø 120mm



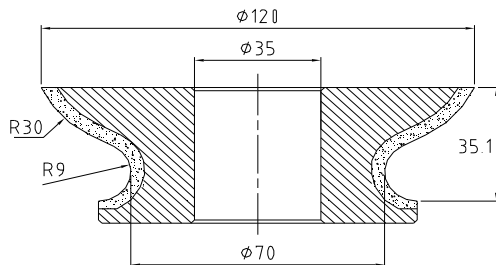
|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 534155 |
| 1 | Slotted profiling wheel   | 534156 |
| 2 | Slotted profiling wheel   | 534157 |
| 3 | Slotted profiling wheel   | 541221 |
| 4 | WINNER polishing wheel    | 402864 |
| 5 | WINNER polishing wheel    | 402865 |
| 6 | WINNER polishing wheel    | 402866 |



| Description | Sysnr |
|-------------|-------|
|-------------|-------|

### Profile OG - 30

Ø 120mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34047099 |
| 1 | Slotted profiling wheel   | 34406513 |
| 2 | Slotted profiling wheel   | 34406514 |
| 3 | Slotted profiling wheel   | 34406515 |
| 4 | WINNER polishing wheel    | 374809   |
| 5 | WINNER polishing wheel    | 374810   |
| 6 | WINNER polishing wheel    | 374812   |

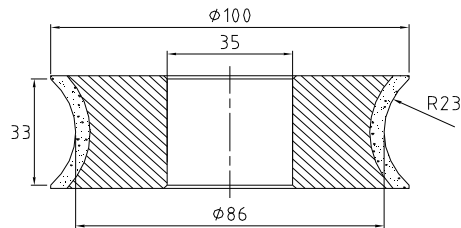
Available on request: electroplated wheels for marble and abrasive polishers

## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile PE - 30 r23

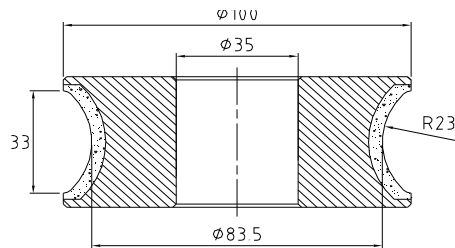


### Ø 100mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 534161 |
| 1 | Slotted profiling wheel   | 534162 |
| 2 | Slotted profiling wheel   | 534165 |
| 3 | Slotted profiling wheel   | 541229 |
| 4 | WINNER polishing wheel    | 410377 |
| 5 | WINNER polishing wheel    | 410378 |
| 6 | WINNER polishing wheel    | 410383 |

### Profile PE - 30 r23+r3

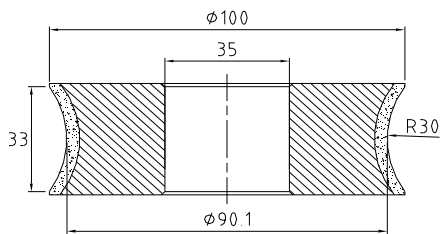


### Ø 100mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34051228 |
| 1 | Slotted profiling wheel   | 34163460 |
| 2 | Slotted profiling wheel   | 34163482 |
| 3 | Slotted profiling wheel   | 34163483 |
| 4 | WINNER polishing wheel    | 697711   |
| 5 | WINNER polishing wheel    | 697712   |
| 6 | WINNER polishing wheel    | 697713   |

### Profile PE - 30 r30



### Ø 100mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 602385 |
| 1 | Slotted profiling wheel   | 602407 |
| 2 | Slotted profiling wheel   | 602410 |
| 3 | Slotted profiling wheel   | 602414 |
| 4 | WINNER polishing wheel    | 602424 |
| 5 | WINNER polishing wheel    | 602427 |
| 6 | WINNER polishing wheel    | 602441 |

Available on request: electroplated wheels for marble and abrasive polishers

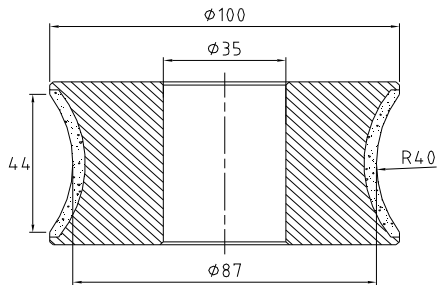
## Profiling wheels for GRANITE and ENGINEERED STONE



| Description | Sysnr |
|-------------|-------|
|-------------|-------|

### Profile PE - 40 r40

Ø 100mm



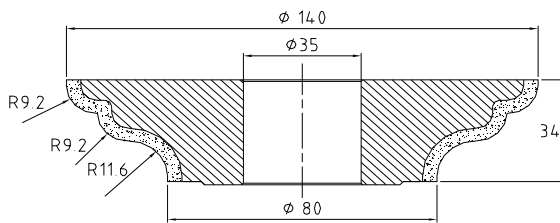
|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 620745 |
| 1 | Slotted profiling wheel   | 620760 |
| 2 | Slotted profiling wheel   | 620762 |
| 3 | Slotted profiling wheel   | 620764 |
| 4 | WINNER polishing wheel    | 621026 |
| 5 | WINNER polishing wheel    | 621027 |
| 6 | WINNER polishing wheel    | 621029 |



| Description | Sysnr |
|-------------|-------|
|-------------|-------|

### Profile Q - 30

Ø 140mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 534321 |
| 1 | Slotted profiling wheel   | 534322 |
| 2 | Slotted profiling wheel   | 534324 |
| 3 | Slotted profiling wheel   | 541233 |
| 4 | WINNER polishing wheel    | 402876 |
| 5 | WINNER polishing wheel    | 402877 |
| 6 | WINNER polishing wheel    | 402878 |

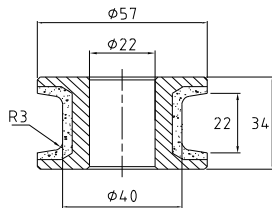
Available on request: electroplated wheels for marble and abrasive polishers

## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile T - 20 r3

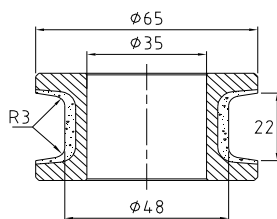


### Ø 57mm - \*\*\* Bore 22mm



|     |                           |          |
|-----|---------------------------|----------|
| 0   | Segmented profiling wheel | 34372486 |
| 1   | Slotted profiling wheel   | 34376042 |
| 2   | Slotted profiling wheel   | 34376043 |
| 3   | Slotted profiling wheel   | 34376046 |
| * 4 | WINNER polishing wheel    | 34363193 |
| * 5 | WINNER polishing wheel    | 34363194 |
| * 6 | WINNER polishing wheel    | 34363195 |

### Profile T - 20 r3



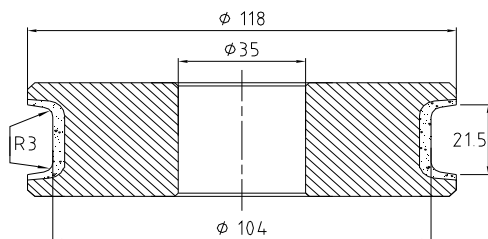
### Ø 65mm



|     |                           |          |
|-----|---------------------------|----------|
| 0   | Segmented profiling wheel | 536037   |
| 1   | Slotted profiling wheel   | 34409155 |
| 2   | Slotted profiling wheel   | 34409156 |
| 3   | Slotted profiling wheel   | 34409157 |
| * 4 | WINNER polishing wheel    | 405245   |
| * 5 | WINNER polishing wheel    | 405246   |
| * 6 | WINNER polishing wheel    | 405247   |

\*minimum external Ø of WINNER = 60mm - larger than metal position

### Profile T - 20 r3



### Ø 120mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 537221   |
| 1 | Slotted profiling wheel   | 34412377 |
| 2 | Slotted profiling wheel   | 34412378 |
| 3 | Slotted profiling wheel   | 34412380 |
| 4 | WINNER polishing wheel    | 405245   |
| 5 | WINNER polishing wheel    | 405246   |
| 6 | WINNER polishing wheel    | 405247   |

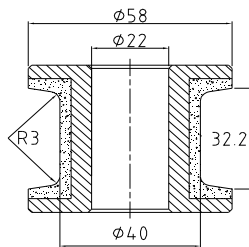
Available on request: electroplated wheels for marble and abrasive polishers

## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile T - 30 r3

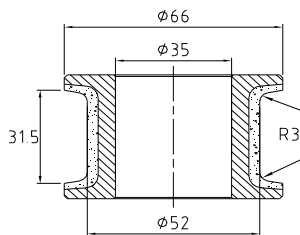


### Ø 58mm - \*\*\* Bore 22mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34241437 |
| 1 | Slotted profiling wheel   | 34397601 |
| 2 | Slotted profiling wheel   | 34397602 |
| 3 | Slotted profiling wheel   | 34397603 |
| 4 | WINNER polishing wheel    | 34241446 |
| 5 | WINNER polishing wheel    | 34241447 |
| 6 | WINNER polishing wheel    | 34241448 |

### Profile T - 30 r3



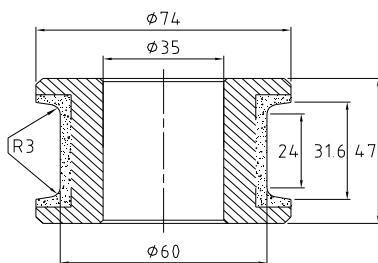
### Ø 66mm



|     |                           |          |
|-----|---------------------------|----------|
| 0   | Segmented profiling wheel | 34047096 |
| 1   | Slotted profiling wheel   | 34409121 |
| 2   | Slotted profiling wheel   | 34409122 |
| 3   | Slotted profiling wheel   | 34409123 |
| * 4 | WINNER polishing wheel    | 402885   |
| * 5 | WINNER polishing wheel    | 402886   |
| * 6 | WINNER polishing wheel    | 402887   |

\*minimum external Ø of WINNER = 60mm - larger than metal position

### Profile T - 30 r3



### Ø 80mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34203445 |
| 1 | Slotted profiling wheel   | 34350830 |
| 2 | Slotted profiling wheel   | 34350851 |
| 3 | Slotted profiling wheel   | 34350852 |
| 4 | WINNER polishing wheel    | 402885   |
| 5 | WINNER polishing wheel    | 402886   |
| 6 | WINNER polishing wheel    | 402887   |

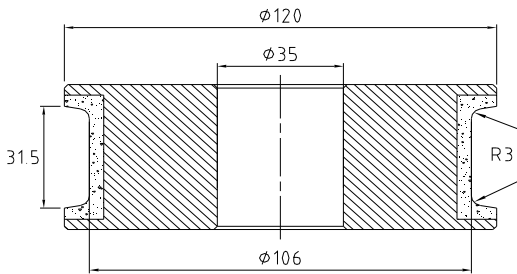
Available on request: electroplated wheels for marble and abrasive polishers

## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile T - 30 r3

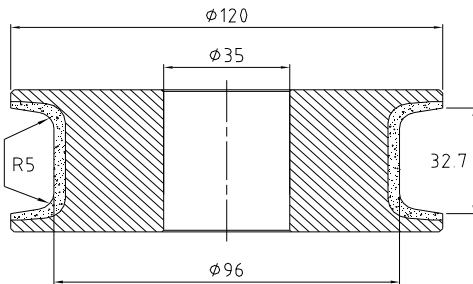


### Ø 120mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34047097 |
| 1 | Slotted profiling wheel   | 34351282 |
| 2 | Slotted profiling wheel   | 34351283 |
| 3 | Slotted profiling wheel   | 34351284 |
| 4 | WINNER polishing wheel    | 402885   |
| 5 | WINNER polishing wheel    | 402886   |
| 6 | WINNER polishing wheel    | 402887   |

### Profile T - 30 r5

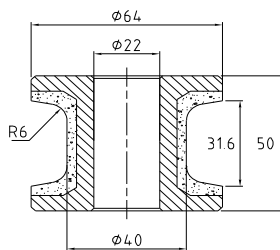


### Ø 120mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 669886 |
| 1 | Slotted profiling wheel   | 669887 |
| 2 | Slotted profiling wheel   | 669889 |
| 3 | Slotted profiling wheel   | 669890 |
| 4 | WINNER polishing wheel    | 440414 |
| 5 | WINNER polishing wheel    | 440415 |
| 6 | WINNER polishing wheel    | 440416 |

### Profile T - 30 r6



### Ø 58mm - \*\*\* Bore 22mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34425270 |
| 1 | Slotted profiling wheel   | 34422932 |
| 2 | Slotted profiling wheel   | 34422933 |
| 3 | Slotted profiling wheel   | 34422934 |
| 4 | WINNER polishing wheel    | 34432249 |
| 5 | WINNER polishing wheel    | 34432250 |
| 6 | WINNER polishing wheel    | 34432281 |

Available on request: electroplated wheels for marble and abrasive polishers

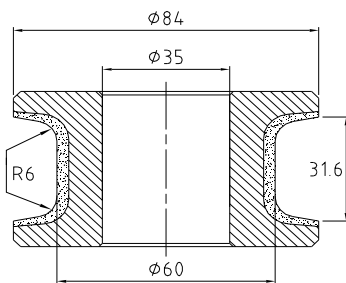


## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile T - 30 r6

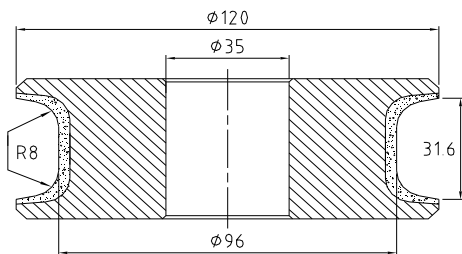


### Ø 80mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34203447 |
| 1 | Slotted profiling wheel   | 34041419 |
| 2 | Slotted profiling wheel   | 34041420 |
| 3 | Slotted profiling wheel   | 34041431 |
| 4 | WINNER polishing wheel    | 498579   |
| 5 | WINNER polishing wheel    | 498581   |
| 6 | WINNER polishing wheel    | 498583   |

### Profile T - 30 r8

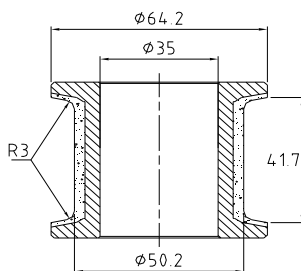


### Ø 120mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34051207 |
| 1 | Slotted profiling wheel   | 34325927 |
| 2 | Slotted profiling wheel   | 34325929 |
| 3 | Slotted profiling wheel   | 34325941 |
| 4 | WINNER polishing wheel    | 386943   |
| 5 | WINNER polishing wheel    | 386944   |
| 6 | WINNER polishing wheel    | 386945   |

### Profile T - 40 r3



### Ø 64mm



|     |                           |          |
|-----|---------------------------|----------|
| 0   | Segmented profiling wheel | 537231   |
| 1   | Slotted profiling wheel   | 34405320 |
| 2   | Slotted profiling wheel   | 34405321 |
| 3   | Slotted profiling wheel   | 34405322 |
| * 4 | WINNER polishing wheel    | 402888   |
| * 5 | WINNER polishing wheel    | 402889   |
| * 6 | WINNER polishing wheel    | 402890   |

\*minimum external Ø of WINNER = 60mm - larger than metal position

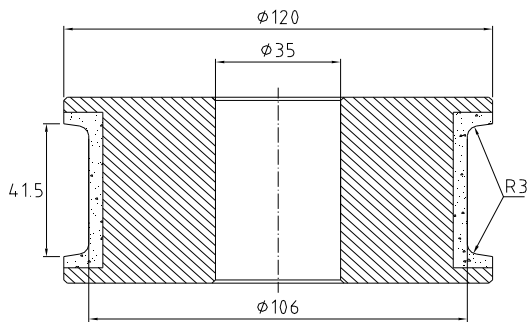
Available on request: electroplated wheels for marble and abrasive polishers

## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile T - 40 r3

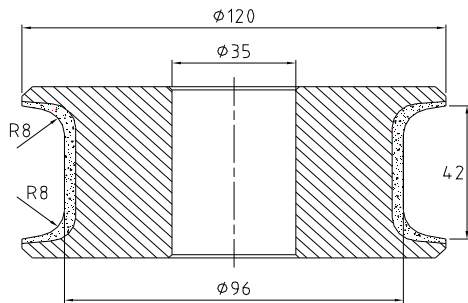


### Ø 120mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34053958 |
| 1 | Slotted profiling wheel   | 34421281 |
| 2 | Slotted profiling wheel   | 34421283 |
| 3 | Slotted profiling wheel   | 34421284 |
| 4 | WINNER polishing wheel    | 402888   |
| 5 | WINNER polishing wheel    | 402889   |
| 6 | WINNER polishing wheel    | 402890   |

### Profile T - 40 r8



### Ø 120mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 537237 |
| 1 | Slotted profiling wheel   | 537238 |
| 2 | Slotted profiling wheel   | 537239 |
| 3 | Slotted profiling wheel   | 541250 |
| 4 | WINNER polishing wheel    | 386947 |
| 5 | WINNER polishing wheel    | 386948 |
| 6 | WINNER polishing wheel    | 386949 |

Available on request: electroplated wheels for marble and abrasive polishers

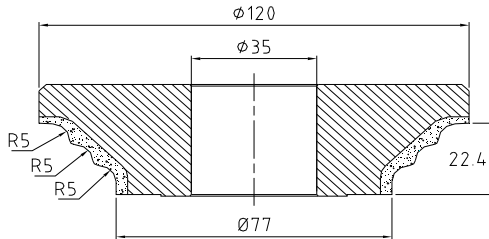
## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile TP - 20 r5 + r1,5

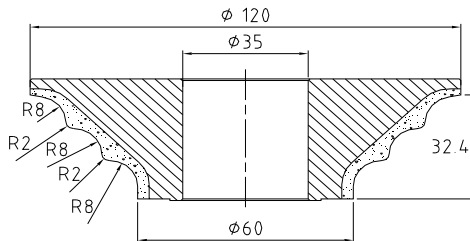
Ø 120mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 480093 |
| 1 | Slotted profiling wheel   | 537240 |
| 2 | Slotted profiling wheel   | 537241 |
| 3 | Slotted profiling wheel   | 541295 |
| 4 | WINNER polishing wheel    | 402891 |
| 5 | WINNER polishing wheel    | 402892 |
| 6 | WINNER polishing wheel    | 402893 |

### Profile TP - 30 r8 + r2

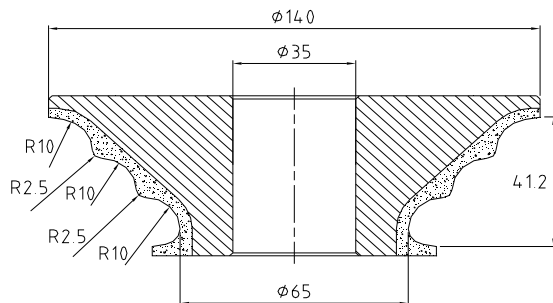
Ø 120mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 677677 |
| 1 | Slotted profiling wheel   | 533526 |
| 2 | Slotted profiling wheel   | 533528 |
| 3 | Slotted profiling wheel   | 541296 |
| 4 | WINNER polishing wheel    | 374813 |
| 5 | WINNER polishing wheel    | 374814 |
| 6 | WINNER polishing wheel    | 374815 |

### Profile TP - 40 r10 + r2,5

Ø 140mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 480093 |
| 1 | Slotted profiling wheel   | 537242 |
| 2 | Slotted profiling wheel   | 537243 |
| 3 | Slotted profiling wheel   | 541297 |
| 4 | WINNER polishing wheel    | 402894 |
| 5 | WINNER polishing wheel    | 402895 |
| 6 | WINNER polishing wheel    | 402897 |

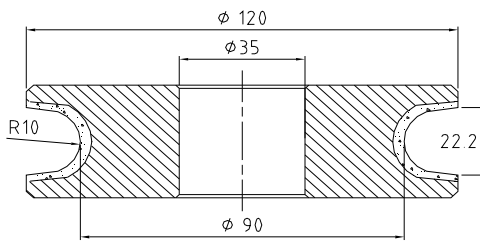
Available on request: electroplated wheels for marble and abrasive polishers

## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

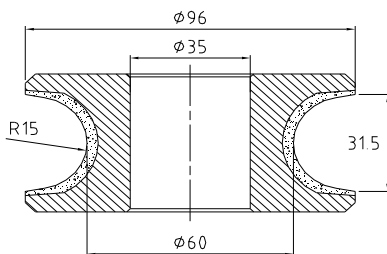
### Profile V - 20



### Ø 120mm

|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 537256 |
| 1 | Slotted profiling wheel   | 537257 |
| 2 | Slotted profiling wheel   | 539335 |
| 3 | Slotted profiling wheel   | 541303 |
| 4 | WINNER polishing wheel    | 386955 |
| 5 | WINNER polishing wheel    | 386959 |
| 6 | WINNER polishing wheel    | 386961 |

### Profile V - 30

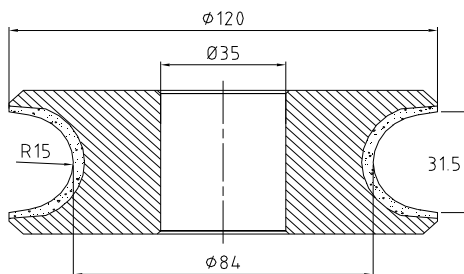


### Ø 80mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 744542   |
| 1 | Slotted profiling wheel   | 34417106 |
| 2 | Slotted profiling wheel   | 34417107 |
| 3 | Slotted profiling wheel   | 34417108 |
| 4 | WINNER polishing wheel    | 368110   |
| 5 | WINNER polishing wheel    | 368111   |
| 6 | WINNER polishing wheel    | 368112   |

### Profile V - 30



### Ø 120mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34047093 |
| 1 | Slotted profiling wheel   | 34368151 |
| 2 | Slotted profiling wheel   | 34368152 |
| 3 | Slotted profiling wheel   | 34368153 |
| 4 | WINNER polishing wheel    | 368110   |
| 5 | WINNER polishing wheel    | 368111   |
| 6 | WINNER polishing wheel    | 368112   |

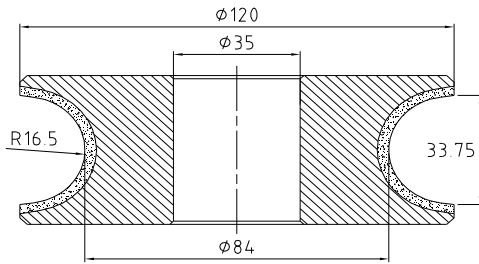
Available on request: electroplated wheels for marble and abrasive polishers

## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

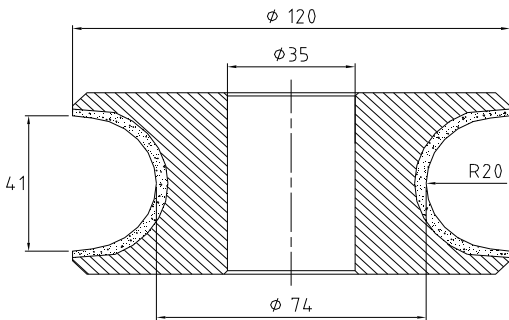
### Profile V - 33



### Ø 120mm

|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 615628 |
| 1 | Slotted profiling wheel   | 615635 |
| 2 | Slotted profiling wheel   | 615629 |
| 3 | Slotted profiling wheel   | 615630 |
| 4 | WINNER polishing wheel    | 520007 |
| 5 | WINNER polishing wheel    | 520008 |
| 6 | WINNER polishing wheel    | 520009 |

### Profile V - 40

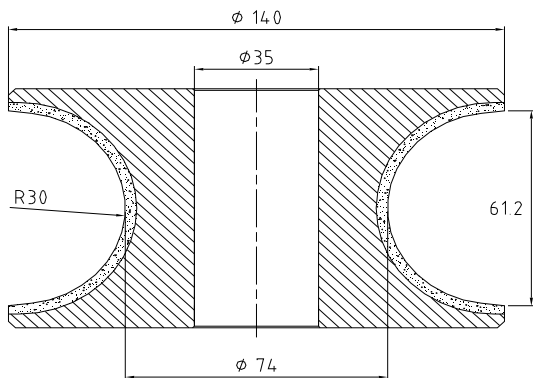


### Ø 120mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34047095 |
| 1 | Slotted profiling wheel   | 34415231 |
| 2 | Slotted profiling wheel   | 34415232 |
| 3 | Slotted profiling wheel   | 34415233 |
| 4 | WINNER polishing wheel    | 368113   |
| 5 | WINNER polishing wheel    | 368114   |
| 6 | WINNER polishing wheel    | 368115   |

### Profile V - 60



### Ø 140mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 533529 |
| 1 | Slotted profiling wheel   | 533530 |
| 2 | Slotted profiling wheel   | 533533 |
| 3 | Slotted profiling wheel   | 541306 |
| 4 | WINNER polishing wheel    | 386964 |
| 5 | WINNER polishing wheel    | 386966 |
| 6 | WINNER polishing wheel    | 386967 |

Available on request: electroplated wheels for marble and abrasive polishers

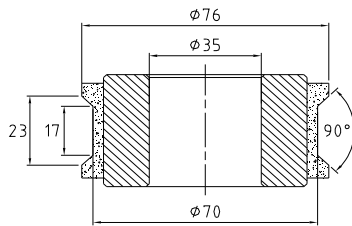
## Profiling wheels for GRANITE and ENGINEERED STONE



| Description | Sysnr |
|-------------|-------|
|-------------|-------|

### Profile X - 20

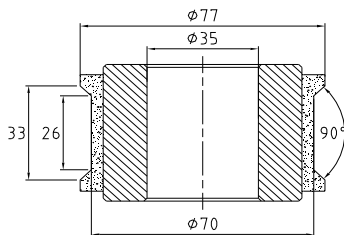
Ø 80mm



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34198697 |
| 1 | Slotted profiling wheel   | 537263   |
| 2 | Slotted profiling wheel   | 537264   |
| 3 | Slotted profiling wheel   | 541308   |
| 4 | WINNER polishing wheel    | 374816   |
| 5 | WINNER polishing wheel    | 374817   |
| 6 | WINNER polishing wheel    | 374819   |

### Profile X - 30

Ø 80mm



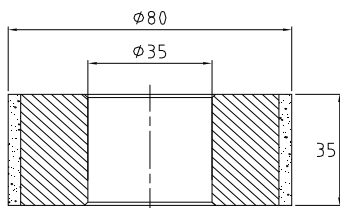
|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34198768 |
| 1 | Slotted profiling wheel   | 537266   |
| 2 | Slotted profiling wheel   | 537267   |
| 3 | Slotted profiling wheel   | 541310   |
| 4 | WINNER polishing wheel    | 395799   |
| 5 | WINNER polishing wheel    | 395800   |
| 6 | WINNER polishing wheel    | 395801   |



| Description | Sysnr |
|-------------|-------|
|-------------|-------|

### Profile Z - 35

Ø 80mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 668290 |
| 1 | Slotted profiling wheel   | 491742 |
| 2 | Slotted profiling wheel   | 491744 |
| 3 | Slotted profiling wheel   | 491747 |
| 4 | WINNER polishing wheel    | 368116 |
| 5 | WINNER polishing wheel    | 368117 |
| 6 | WINNER polishing wheel    | 368118 |

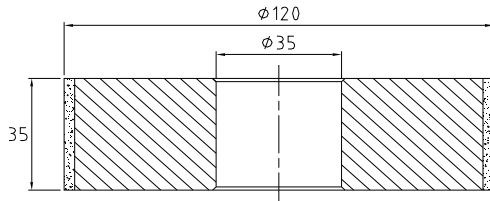
Available on request: electroplated wheels for marble and abrasive polishers

## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile Z - 35

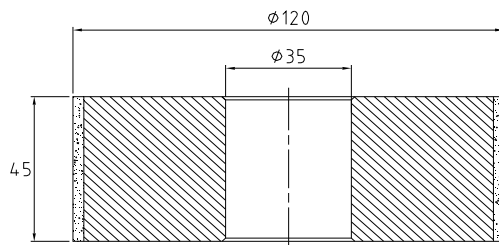


Ø 120mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 537274 |
| 1 | Slotted profiling wheel   | 537276 |
| 2 | Slotted profiling wheel   | 537278 |
| 3 | Slotted profiling wheel   | 541314 |
| 4 | WINNER polishing wheel    | 368116 |
| 5 | WINNER polishing wheel    | 368117 |
| 6 | WINNER polishing wheel    | 368118 |

### Profile Z - 45

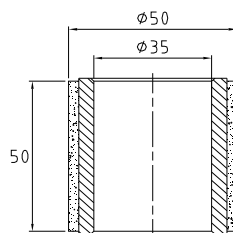


Ø 120mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 537279 |
| 1 | Slotted profiling wheel   | 537280 |
| 2 | Slotted profiling wheel   | 537282 |
| 3 | Slotted profiling wheel   | 541315 |
| 4 | WINNER polishing wheel    | 368116 |
| 5 | WINNER polishing wheel    | 368117 |
| 6 | WINNER polishing wheel    | 368118 |

### Profile Z - 50



Ø 50mm



|     |                           |        |
|-----|---------------------------|--------|
| 0   | Segmented profiling wheel | 537283 |
| 1   | Slotted profiling wheel   | 537284 |
| 2   | Slotted profiling wheel   | 537285 |
| 3   | Slotted profiling wheel   | 541316 |
| * 4 | WINNER polishing wheel    | 368116 |
| * 5 | WINNER polishing wheel    | 368117 |
| * 6 | WINNER polishing wheel    | 368118 |

\*minimum external Ø of WINNER = 60mm - larger than metal position

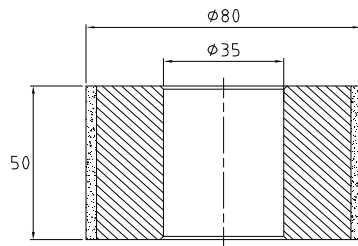
Available on request: electroplated wheels for marble and abrasive polishers

## Profiling wheels for GRANITE and ENGINEERED STONE



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile Z - 50

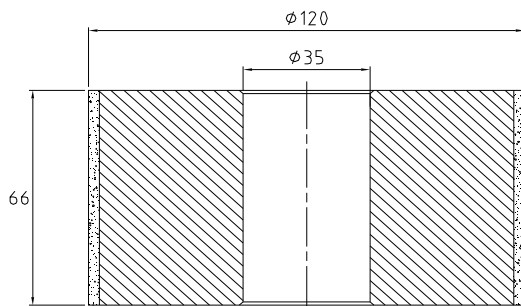


### Ø 80mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 768215 |
| 1 | Slotted profiling wheel   | 769175 |
| 2 | Slotted profiling wheel   | 769176 |
| 3 | Slotted profiling wheel   | 769177 |
| 4 | WINNER polishing wheel    | 368116 |
| 5 | WINNER polishing wheel    | 368117 |
| 6 | WINNER polishing wheel    | 368118 |

### Profile Z - 66



### Ø 120mm



|   |                           |        |
|---|---------------------------|--------|
| 0 | Segmented profiling wheel | 537286 |
| 1 | Slotted profiling wheel   | 537287 |
| 2 | Slotted profiling wheel   | 537288 |
| 3 | Slotted profiling wheel   | 541317 |
| 4 | WINNER polishing wheel    | 492139 |
| 5 | WINNER polishing wheel    | 492140 |
| 6 | WINNER polishing wheel    | 492141 |

Available on request: electroplated wheels for marble and abrasive polishers

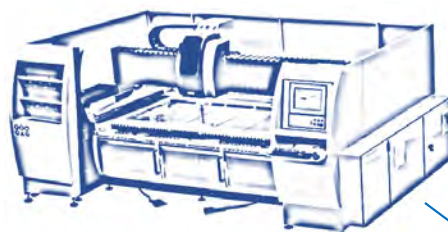


## Guideline for using ceramic slabs on CNC machines



Carefully distribute the suction cups in order to support all the parts of the work piece, especially the most stressed ones. Make sure they are clean and working properly.

Try to avoid creating corners at 90 ° during processing, it is recommended to use radii in and out of the work area.



While working, there must be a constant and abundant stream of water directed to the front and sides of the blade, as close as possible to the working area.

When removing a lot of material, try to work in more passes rather than in a single pass and, where possible, it is better to work with half tool rather than a full tool. When removing material from surface (grooving/drainboards) maintain a thickness of at least 5mm of material.

| Application  | Guideline for using ceramic slabs on CNC machines  |
|--|--|
| <b>Shaft milling cutters</b>   | Avoid sharp edges when entering material, when possible work with half tool. Try to position the tool so that the slab is as close to the attachment as possible.              |
| <b>Roughing wheels</b>   | When removing a lot of material, try to work in more passes rather than in a single pass. Try to position the tool so that the slab is as close to the attachment as possible. |
| <b>Mitre system</b>  | When removing a lot of material, try to work in more passes rather than in a single pass.  |
| <b>Profiling wheels</b>  | Make an accurate setting (centering - coupling) of the tools to ensure an optimal finish.  |
| <b>Core drills</b>   | Proceed in 5 mm steps, leaving a few seconds pause between one step and the next, reduce the speed in and out of the material  |
| <b>Stubbing wheels &amp; Small radius tool for flash fitting top and incremental cutting</b> | Avoid sharp edges when entering material, when possible work with half tool. Try to position the tool so that the slab is as close to the attachment as possible.              |

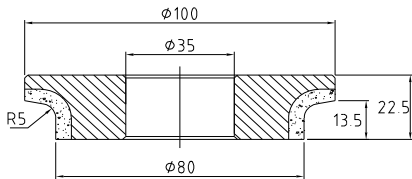
| Position | Type                     | Feed rate           | Stock removal        | Spindle speed |
|----------|--------------------------|---------------------|----------------------|---------------|
| 1        | Slotted profiling wheel  | 1 m/min - 2,5 m/mi  | 0,5 mm               | 5000-6000 rpm |
| 2        | Slotted profiling wheel  | 1 m/min - 2,5 m/mi  | 0,3 mm               | 5000-6000 rpm |
| 3        | Slotted profiling wheel  | 1 m/min - 2,5 m/mi  | 0,1 mm               | 5000-6000 rpm |
| 5        | Abrasive polishing wheel | 0,8 m/min - 1,5 m/r | Dynamic compensation | 2500 rpm      |
| 6        | Abrasive polishing wheel | 0,8 m/min - 1,5 m/r | Dynamic compensation | 2500 rpm      |

## Profiling wheels for TECHNICAL CERAMICS



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile A - 12 r5

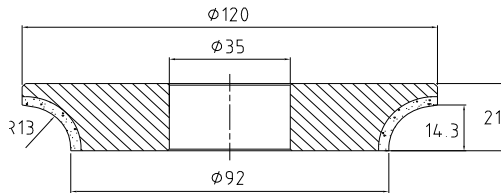


**Ø 100mm Bore 35mm**



|   |                           |          |
|---|---------------------------|----------|
| 1 | Segmented profiling wheel | 34442505 |
| 2 | Segmented profiling wheel | 34442507 |
| 3 | Segmented profiling wheel | 34442509 |
| 5 | Abrasive polishing wheel  | 34439378 |
| 6 | Abrasive polishing wheel  | 34439379 |

### Profile B - 12 r13

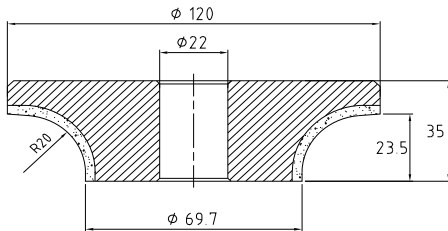


**Ø 120mm Bore 35mm**



|   |                          |          |
|---|--------------------------|----------|
| 1 | Slotted profiling wheel  | 34371958 |
| 2 | Slotted profiling wheel  | 34371960 |
| 3 | Slotted profiling wheel  | 34371971 |
| 5 | Abrasive polishing wheel | t.b.c.   |
| 6 | Abrasive polishing wheel | t.b.c.   |

### Profile B - 20 r20

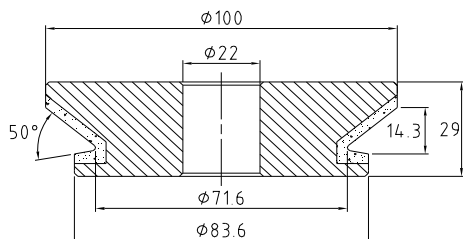


**Ø 120mm Bore 22mm**



|   |                         |          |
|---|-------------------------|----------|
| 1 | Slotted profiling wheel | 34377491 |
| 2 | Slotted profiling wheel | 34377492 |
| 3 | Slotted profiling wheel | 34377500 |
| 5 | WINNER polishing wheel  | 400041   |
| 6 | WINNER polishing wheel  | 400042   |

### Profile D - 12 incl.50°



**Ø 100mm Bore 22mm**



|   |                          |          |
|---|--------------------------|----------|
| 1 | Slotted profiling wheel  | 34484448 |
| 2 | Slotted profiling wheel  | 34484449 |
| 3 | Slotted profiling wheel  | 34484450 |
| 5 | Abrasive polishing wheel | 34311403 |
| 6 | Abrasive polishing wheel | 34311406 |

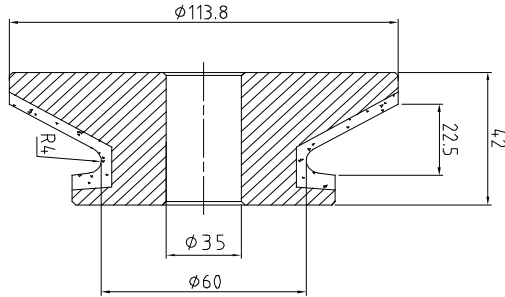
Different machine attachments or diameters available on request

# Profiling wheels for TECHNICAL CERAMICS



| Description | Sysnr |
|-------------|-------|
|-------------|-------|

## Profile D - 20 incl.40°

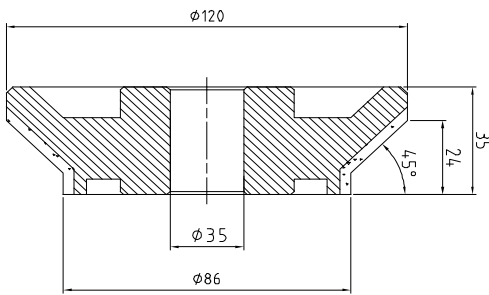


Ø 120mm Bore 35mm



|   |                         |          |
|---|-------------------------|----------|
| 1 | Slotted profiling wheel | 34564255 |
| 2 | Slotted profiling wheel | 34564257 |
| 3 | Slotted profiling wheel | 34564258 |
| 5 | WINNER polishing wheel  | 34397421 |
| 6 | WINNER polishing wheel  | 34397422 |

## Profile E - 20

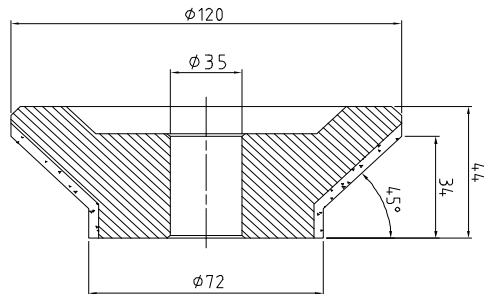


Ø 120mm Bore 22mm



|   |                          |        |
|---|--------------------------|--------|
| 1 | Slotted profiling wheel  | t.b.c. |
| 2 | Slotted profiling wheel  | t.b.c. |
| 3 | Slotted profiling wheel  | t.b.c. |
| 5 | Abrasive polishing wheel | 402823 |
| 6 | Abrasive polishing wheel | 402824 |

## Profile E - 30

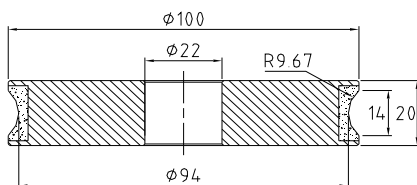


Ø 120mm Bore 35mm



|   |                         |        |
|---|-------------------------|--------|
| 1 | Slotted profiling wheel | t.b.c. |
| 2 | Slotted profiling wheel | t.b.c. |
| 3 | Slotted profiling wheel | t.b.c. |
| 5 | WINNER polishing wheel  | 397237 |
| 6 | WINNER polishing wheel  | 397238 |

## Profile PE - 12 r9,6



Ø 100mm Bore 22mm



|   |                         |          |
|---|-------------------------|----------|
| 1 | Slotted profiling wheel | 34357514 |
| 2 | Slotted profiling wheel | 34357515 |
| 3 | Slotted profiling wheel | 34357516 |
| 5 | WINNER polishing wheel  | 34479681 |
| 6 | WINNER polishing wheel  | 34479682 |

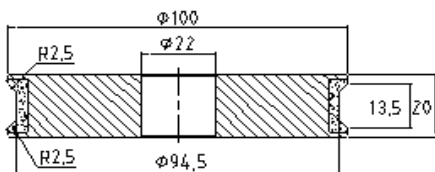
Different machine attachments or diameters available on request

## Profiling wheels for TECHNICAL CERAMICS



|  | Description | Sysnr |
|--|-------------|-------|
|--|-------------|-------|

### Profile T - 12 r2,5

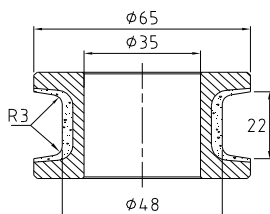


Ø 100mm Bore 22mm



|   |                         |          |
|---|-------------------------|----------|
| 1 | Slotted profiling wheel | 34392197 |
| 2 | Slotted profiling wheel | 34392198 |
| 3 | Slotted profiling wheel | 34392199 |
| 5 | WINNER polishing wheel  | 34479296 |
| 6 | WINNER polishing wheel  | 34479297 |

### Profile T - 20 r3

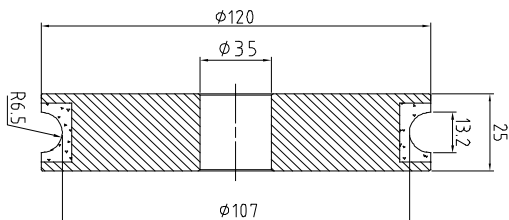


Ø 65mm Bore 35mm



|   |                         |          |
|---|-------------------------|----------|
| 1 | Slotted profiling wheel | 34552754 |
| 2 | Slotted profiling wheel | 34552755 |
| 3 | Slotted profiling wheel | 34552756 |
| 5 | WINNER polishing wheel  | 405246   |
| 6 | WINNER polishing wheel  | 405247   |

### Profile V - 12

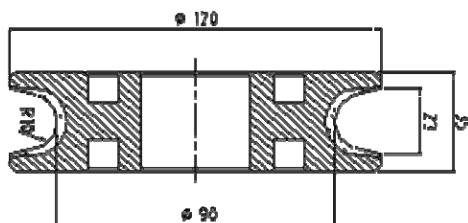


Ø 120mm Bore 35mm



|   |                         |          |
|---|-------------------------|----------|
| 1 | Slotted profiling wheel | 34544589 |
| 2 | Slotted profiling wheel | 34544590 |
| 3 | Slotted profiling wheel | 34544612 |
| 5 | WINNER polishing wheel  | t.b.c.   |
| 6 | WINNER polishing wheel  | t.b.c.   |

### Profile V - 20



Ø 120mm Bore 35mm



|   |                         |          |
|---|-------------------------|----------|
| 1 | Slotted profiling wheel | 34544585 |
| 2 | Slotted profiling wheel | 34544586 |
| 3 | Slotted profiling wheel | 34544587 |
| 5 | WINNER polishing wheel  | 386959   |
| 6 | WINNER polishing wheel  | 386961   |

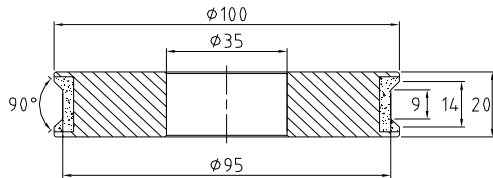
Different machine attachments or diameters available on request

## Profiling wheels for TECHNICAL CERAMICS



| Description | Sysnr |
|-------------|-------|
|-------------|-------|

### Profile X - 12

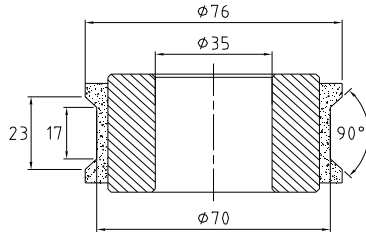


**Ø 100mm Bore 35mm**



|   |                         |          |
|---|-------------------------|----------|
| 1 | Slotted profiling wheel | 34546683 |
| 2 | Slotted profiling wheel | 34546684 |
| 3 | Slotted profiling wheel | 34546685 |
| 5 | WINNER polishing wheel  | 500028   |
| 6 | WINNER polishing wheel  | 500030   |

### Profile X - 20



**Ø 76mm Bore 35mm**

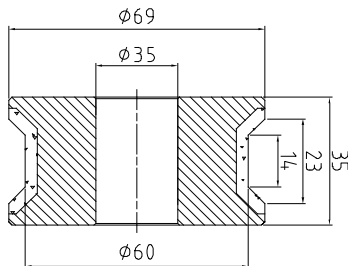


|   |                         |          |
|---|-------------------------|----------|
| 1 | Slotted profiling wheel | 34544184 |
| 2 | Slotted profiling wheel | 34544185 |
| 3 | Slotted profiling wheel | 34544186 |
| 5 | WINNER polishing wheel  | 374817   |
| 6 | WINNER polishing wheel  | 374819   |



| Description | Sysnr |
|-------------|-------|
|-------------|-------|

### Profile XS - 20

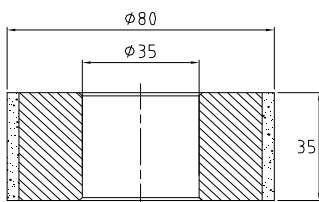


**Ø 70mm Bore 35mm**



|   |                         |          |
|---|-------------------------|----------|
| 1 | Slotted profiling wheel | 34538621 |
| 2 | Slotted profiling wheel | 34538622 |
| 3 | Slotted profiling wheel | 34538624 |
| 5 | WINNER polishing wheel  | 34376961 |
| 6 | WINNER polishing wheel  | 34376962 |

### Profile Z - 20 & 30



**Ø 80mm Bore 35mm**



|   |                         |          |
|---|-------------------------|----------|
| 1 | Slotted profiling wheel | 34548904 |
| 2 | Slotted profiling wheel | 34548905 |
| 3 | Slotted profiling wheel | 34548906 |
| 5 | WINNER polishing wheel  | 34198317 |
| 6 | WINNER polishing wheel  | 34011445 |

Different machine attachments or diameters available on request

## 1/2" EPIC

The fastest sink tool for countertops

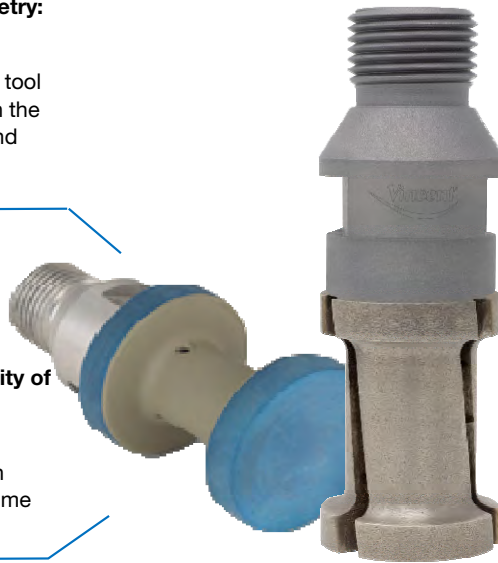
New set of tools with small diameter and half gas connection for inner and outer profiling of slabs made of natural stone, quartz agglomerate and ceramics.

### Innovative segments geometry:

The inclined segments of the tool allow a constant contact with the slab, minimizing vibrations and chipping.

### Enhanced lifetime and quality of the tools:

The larger segments grant an enhancement of the tool lifetime and a top finishing.



The fastest sink tool for countertops:



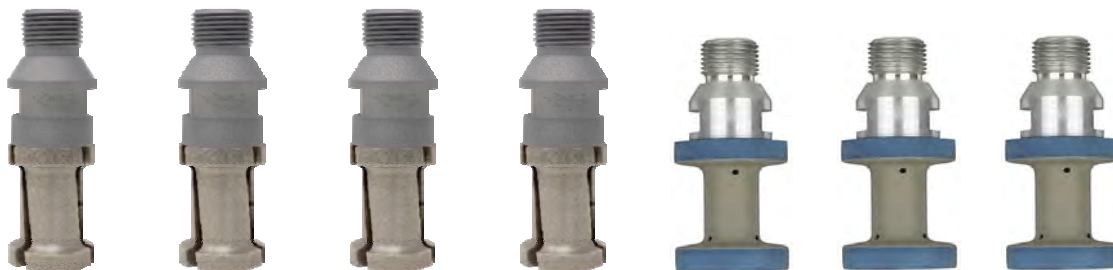
### Versatility in use:

The 1/2" EPIC tools can be used to reach blind spots, inner bores of countertops but also for profiling the external sides.

### Ultra high speed:

Due to the bond system and the revolutionized production process the 1/2" EPIC wheels can also exceed the working speed of 1,2m/minute (47 inches/minute)

### Application guide for CNC profiling tools

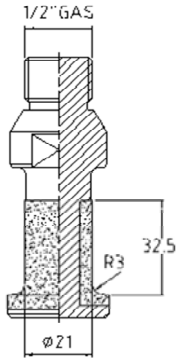


| Position | Type                    | Feed rate           | Stock removal | Spindle speed |
|----------|-------------------------|---------------------|---------------|---------------|
| 1        | Slotted profiling wheel | 0,8m/min - 1,5m/min | 0,5 mm        | 8000 rpm      |
| 2        | Slotted profiling wheel | 0,8m/min - 1,5m/min | 0,3 mm        | 8000 rpm      |
| 3        | Slotted profiling wheel | 0,8m/min - 1,5m/min | 0,1 mm        | 8000 rpm      |
| 4        | WINNER polishing wheel  | up to 1000 mm/min   | zero          | 3500 rpm      |
| 5        | WINNER polishing wheel  | up to 1000 mm/min   | zero          | 3500 rpm      |
| 6        | WINNER polishing wheel  | up to 1000 mm/min   | zero          | 3500 rpm      |

**Small profiling wheels - 1/2"G fitting for GRANITE and ENGINEERED STONE**



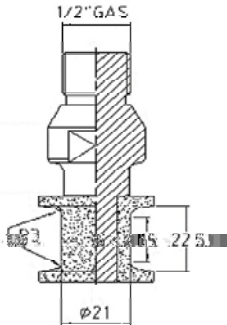
| Description | Sysnr |
|-------------|-------|
|-------------|-------|



**Profile A - 30 r3**



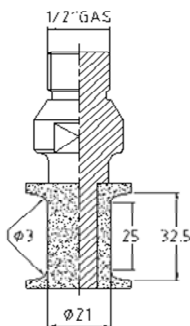
|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34521196 |
| 1 | Segmented profiling wheel | 34521199 |
| 2 | Segmented profiling wheel | 34521200 |
| 3 | Segmented profiling wheel | 34521212 |
| 4 | WINNER polishing wheel    | 491386   |
| 5 | WINNER polishing wheel    | 491390   |
| 6 | WINNER polishing wheel    | 491392   |



**Profile T - 20 r3**



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34521335 |
| 1 | Segmented profiling wheel | 34521336 |
| 2 | Segmented profiling wheel | 34521337 |
| 3 | Segmented profiling wheel | 34521338 |
| 4 | WINNER polishing wheel    | 34215708 |
| 5 | WINNER polishing wheel    | 34215709 |
| 6 | WINNER polishing wheel    | 34215710 |



**Profile T - 30 r3**



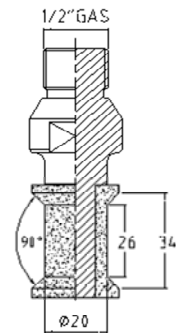
|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34500269 |
| 1 | Segmented profiling wheel | 34500270 |
| 2 | Segmented profiling wheel | 34500341 |
| 3 | Segmented profiling wheel | 34500342 |
| 4 | WINNER polishing wheel    | 34425083 |
| 5 | WINNER polishing wheel    | 34425084 |
| 6 | WINNER polishing wheel    | 34425085 |

**Small profiling wheels - 1/2"G fitting for GRANITE and ENGINEERED STONE**



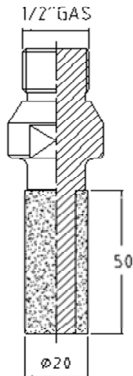
| Description | Sysnr |
|-------------|-------|
|-------------|-------|

**Profile X - 30**



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34521214 |
| 1 | Segmented profiling wheel | 34521215 |
| 2 | Segmented profiling wheel | 34521217 |
| 3 | Segmented profiling wheel | 34521218 |
| 4 | WINNER polishing wheel    | 482625   |
| 5 | WINNER polishing wheel    | 482626   |
| 6 | WINNER polishing wheel    | 482627   |

**Profile Z - 50**



|   |                           |          |
|---|---------------------------|----------|
| 0 | Segmented profiling wheel | 34521266 |
| 1 | Segmented profiling wheel | 34521267 |
| 2 | Segmented profiling wheel | 34521334 |
| 3 | Segmented profiling wheel | 34508111 |
| 4 | WINNER polishing wheel    | 491425   |
| 5 | WINNER polishing wheel    | 491427   |
| 6 | WINNER polishing wheel    | 491429   |

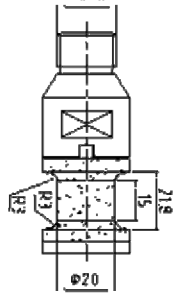


## Small profiling wheels - 1/2"G fitting for TECHNICAL CERAMICS



| minimum external Ø | Description | Sysnr |
|--------------------|-------------|-------|
|--------------------|-------------|-------|

**Profile T - 20 r3** Ø20mm

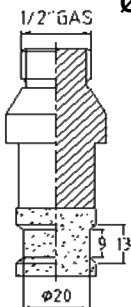


**1/2"G fitting**



|   |                        |          |
|---|------------------------|----------|
| 1 | Profiling router       | 34531143 |
| 2 | Profiling router       | 34531145 |
| 3 | Profiling router       | 34531146 |
| 5 | WINNER polishing wheel | 34215709 |
| 6 | WINNER polishing wheel | 34215710 |

**Profile X - 12** Ø20mm

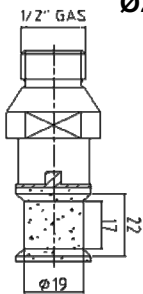


**1/2"G fitting**



|   |                        |          |
|---|------------------------|----------|
| 1 | Profiling router       | 34396510 |
| 2 | Profiling router       | 34396511 |
| 3 | Profiling router       | 34396513 |
| 5 | WINNER polishing wheel | 34485856 |
| 6 | WINNER polishing wheel | 34485857 |

**Profile X - 20** Ø20mm

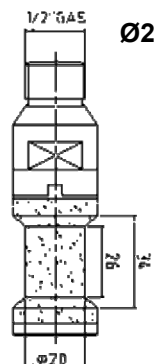


**1/2"G fitting**



|   |                        |          |
|---|------------------------|----------|
| 1 | Profiling router       | 34398223 |
| 2 | Profiling router       | 34398224 |
| 3 | Profiling router       | 34398225 |
| 5 | WINNER polishing wheel | 588912   |
| 6 | WINNER polishing wheel | 588913   |

**Profile X - 30** Ø20mm



**1/2"G fitting**









|   |                        |          |
|---|------------------------|----------|
| 1 | Profiling router       | 34434408 |
| 2 | Profiling router       | 34434410 |
| 3 | Profiling router       | 34434421 |
| 5 | WINNER polishing wheel | 482626   |
| 6 | WINNER polishing wheel | 482627   |








OTHER  
CNC TOOLS

## Shaft milling cutters

|   | $\emptyset$ | diamond length | Fitting | Grit | Spindle speed   | Feed rate      | Sysnr    |
|---|-------------|----------------|---------|------|-----------------|----------------|----------|
|    | 20mm        | 45mm           | 1/2"G   |      | 5.500-6.000 rpm | 250-300 mm/min | 34205050 |
|   | 23mm        | 50mm           | 1/2"G   |      | 5.000-5.500 rpm | 200-300 mm/min | 34209994 |
|    | 23mm        | 50mm           | 1/2"G   |      | 5.000-5.500 rpm | 400-450 mm/min | 34019617 |
|   | 23mm        | 50mm           | 1/2"G   |      | 5.000-5.500 rpm | 200-300 mm/min | 34205520 |
|  | 23mm        | 35mm           | 1/2"G   |      | 5.000-5.500 rpm | 200-300 mm/min | 34205136 |
|   | 23mm        | 50mm           | 1/2"G   |      | 5.000-5.500 rpm | 200-300 mm/min | 34209998 |
|   | 23mm        | 50mm           | Wenzler |      | 5.000-5.500 rpm | 200-300 mm/min | 886413   |
|   | 23mm        | 70mm           | 1/2"G   |      | 5.000-5.500 rpm | 200-300 mm/min | 886058   |
|   | 23mm        | 85mm           | 1/2"G   |      | 5.000-5.500 rpm | 200-300 mm/min | 362903   |
|  | 23mm        | 35mm           | 1/2"G   |      | 5.500-6.000 rpm | 250-300 mm/min | 34205138 |
|   | 23mm        | 50mm           | 1/2"G   |      | 5.000-5.500 rpm | 200-300 mm/min | 34210001 |
|  | 23mm        | 35mm           | 1/2"G   |      | 5.500-6.000 rpm | 250-300 mm/min | 34205137 |
|   | 23mm        | 50mm           | 1/2"G   |      | 5.000-5.500 rpm | 200-300 mm/min | 34209996 |





## Shaft milling cutters

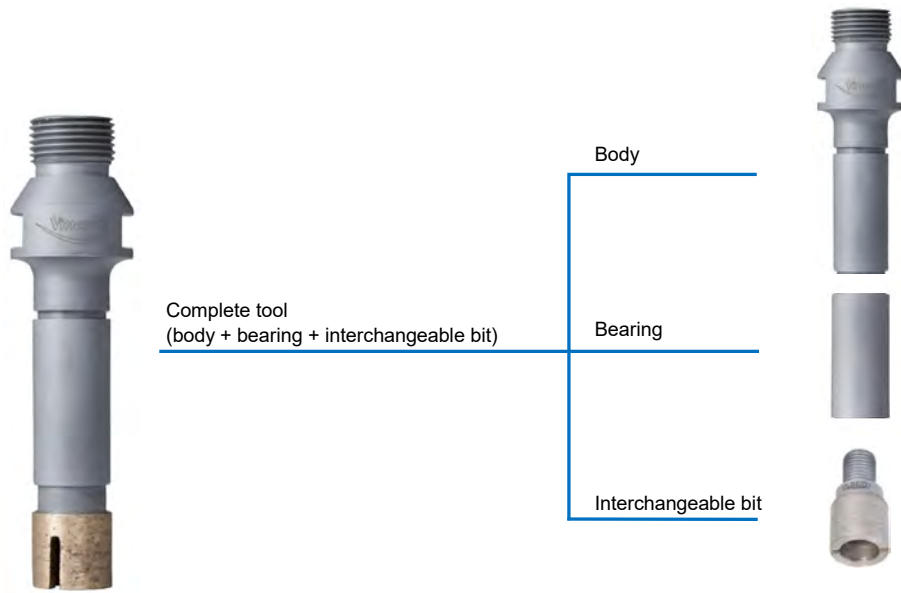
|   | ∅    | diamond length | Fitting | Grit   | Spindle speed   | Feed rate       | Sysnr    |
|---|------|----------------|---------|--------|-----------------|-----------------|----------|
| <br><b>ELECTRO-PLATED Marble</b>                               | 16mm | 45mm           | 1/2"G   | D602   | 5.500-6.000 rpm | 250-400 mm/min  | 462133   |
|   | 22mm | 45mm           | 1/2"G   | D602   | 5.000-5.500 rpm | 250-400 mm/min  | 288043   |
|   | 22mm | 65mm           | 1/2"G   | D602   | 5.000-5.500 rpm | 250-400 mm/min  | 34159508 |
| <br><b>CUTTING &amp; DRILLING With reinforced base segment</b> | 23mm | 35mm           | 1/2"G   |        | 5.000-5.500 rpm | 200-300 mm/min  | 400038   |
|   | 23mm | 50mm           | 1/2"G   |        | 5.000-5.500 rpm | 200-300 mm/min  | 34210126 |
|   | 23mm | 65mm           | 1/2"G   |        | 5.000-5.500 rpm | 150-250 mm/min  | 34222148 |
|   | 23mm | 85mm           | 1/2"G   |        | 5.000-5.500 rpm | 150-250 mm/min  | 365852   |
| <br><b>CERAM Ceramic slabs &amp; Dekton</b>                   | 23mm | 25mm           | 1/2"G   | Z3BCU  | 4.800-5.500 rpm | 250-300 mm/min* | 34214438 |
|   | 23mm | 50mm           | 1/2"G   | Z3BCU  | 4.800-5.500 rpm | 250-300 mm/min* | 34012448 |
|   | 16mm | 25mm           | 1/2"G   | Ceram5 | 5.500-6.500 rpm | 200-300 mm/min* | 34340628 |



\* 40% reduction of the speed rate is always suggested when entering and exiting the material.

## Electroplated seaming wheels






|   | ∅    | diamond length | Fitting | Grit | Spindle speed | Feed rate | Sysnr    |
|---|------|----------------|---------|------|---------------|-----------|----------|
|   | 25mm | 50mm           | 1/2"G   | D602 | POS. 1        |           | 34012946 |
|   | 25mm | 50mm           | 1/2"G   | D302 | POS. 2        |           | 34012949 |
|   | 50mm | 50mm           | 1/2"G   | D427 | POS. 1        |           | 34008584 |
|   | 50mm | 50mm           | 1/2"G   | D107 | POS. 2        |           | 34008585 |



### Multiple pass milling cutters

|   |             | diamond length | Fitting | Spindle speed   | Feed rate       | Sysnr    |
|---|-------------|----------------|---------|-----------------|-----------------|----------|
| Complete tool<br>(body + bearing + interchangeable bit) | for granite | 20X20mm        | 1/2"G   | 4.000-4.500 rpm | 100-300 mm/min* | 462030   |
|   | for marble  | 20X20mm        | 1/2"G   | 4.000-4.500 rpm | 100-300 mm/min* | 34012129 |

\* 40% reduction of the speed rate is always suggested when entering and exiting the material.

|   | diamond length                      | Fitting | Sysnr |          |
|---|-------------------------------------|---------|-------|----------|
|  | Replacement bit for granite         | 20X20mm | M12   | 34012130 |
|  | Replacement bit for marble          | 20X20mm | M12   | 34012141 |
|  | Bearing Prolonged - Ø19 mm x 44,5mm |         |       | 462036   |
|  | Body                                | 46mm    | 1/2"G | 462035   |
|  | Prolonged body (no bearing)         | 118mm   | 1/2"G | 459422   |

## Core drills



### Segmented core drills for NATURAL and ENGINEERED STONE

Other dimensions available on request

| Ø<br>(External) | Segment<br>thickness | Working<br>length | Fitting | Spindle speed | Feed rate | Sysnr    |
|-----------------|----------------------|-------------------|---------|---------------|-----------|----------|
| 35mm            | 2,2mm                | 55mm              | 1/2"G   | 3.000 rpm     | 40 mm/min | 34159719 |



### Core drills with THIN WALL for NATURAL and ENGINEERED STONE

Other dimensions available on request

| Ø<br>(External) | Segment<br>thickness | Working<br>length | Fitting | Spindle speed | Feed rate    | Sysnr    |
|-----------------|----------------------|-------------------|---------|---------------|--------------|----------|
| 6mm             | 1mm                  | 55mm              | 1/2"G   | 3.000 rpm     | 25-30 mm/min | 34290211 |
| 8mm             | 1mm                  | 55mm              | 1/2"G   | 3.000 rpm     | 25-30 mm/min | 34289615 |
| 10mm            | 1mm                  | 55mm              | 1/2"G   | 3.000 rpm     | 25-30 mm/min | 535643   |
| 11mm            | 1mm                  | 55mm              | 1/2"G   | 3.000 rpm     | 25-30 mm/min | 486211   |
| 12mm            | 1mm                  | 55mm              | 1/2"G   | 3.000 rpm     | 25-30 mm/min | 486212   |
| 14mm            | 1mm                  | 55mm              | 1/2"G   | 3.000 rpm     | 25-30 mm/min | 486213   |
| 15mm            | 1mm                  | 55mm              | 1/2"G   | 3.000 rpm     | 25-30 mm/min | 535644   |
| 16mm            | 1mm                  | 55mm              | 1/2"G   | 3.000 rpm     | 25-30 mm/min | 512866   |
| 20mm            | 1mm                  | 55mm              | 1/2"G   | 3.000 rpm     | 25-30 mm/min | 486214   |
| 21mm            | 1mm                  | 55mm              | 1/2"G   | 3.000 rpm     | 25-30 mm/min | 34184687 |
| 22mm            | 1mm                  | 55mm              | 1/2"G   | 2.500 rpm     | 27-35 mm/min | 512868   |
| 23mm            | 1mm                  | 55mm              | 1/2"G   | 2.500 rpm     | 27-35 mm/min | 535647   |
| 25mm            | 1mm                  | 55mm              | 1/2"G   | 2.500 rpm     | 27-35 mm/min | 462441   |
| 27mm            | 1mm                  | 55mm              | 1/2"G   | 2.500 rpm     | 27-35 mm/min | 535648   |
| 28mm            | 1mm                  | 55mm              | 1/2"G   | 2.500 rpm     | 27-35 mm/min | 535649   |
| 30mm            | 1mm                  | 55mm              | 1/2"G   | 2.000 rpm     | 27-35 mm/min | 462443   |
| 32mm            | 1mm                  | 55mm              | 1/2"G   | 2.000 rpm     | 27-35 mm/min | 462444   |
| 35mm            | 1mm                  | 55mm              | 1/2"G   | 2.000 rpm     | 27-35 mm/min | 462445   |
| 36mm            | 1mm                  | 55mm              | 1/2"G   | 1.200 rpm     | 27-35 mm/min | 497946   |
| 37mm            | 1mm                  | 55mm              | 1/2"G   | 1.200 rpm     | 27-35 mm/min | 497948   |
| 38mm            | 1mm                  | 55mm              | 1/2"G   | 1.200 rpm     | 27-35 mm/min | 462446   |
| 40mm            | 1mm                  | 55mm              | 1/2"G   | 1.200 rpm     | 27-35 mm/min | 462448   |
| 45mm            | 1mm                  | 55mm              | 1/2"G   | 1.200 rpm     | 27-35 mm/min | 512873   |
| 50mm            | 1mm                  | 55mm              | 1/2"G   | 1.200 rpm     | 27-35 mm/min | 641923   |
| 51mm            | 1mm                  | 55mm              | 1/2"G   | 1.200 rpm     | 27-35 mm/min | 34011881 |
| 54mm            | 1mm                  | 55mm              | 1/2"G   | 1.200 rpm     | 27-35 mm/min | 34010351 |
| 60mm            | 1mm                  | 55mm              | 1/2"G   | 800 rpm       | 25-30 mm/min | 512875   |
| 62mm            | 1mm                  | 55mm              | 1/2"G   | 800 rpm       | 25-30 mm/min | 34322689 |
| 68mm            | 1mm                  | 55mm              | 1/2"G   | 800 rpm       | 25-30 mm/min | 535863   |
| 80mm            | 1mm                  | 55mm              | 1/2"G   | 800 rpm       | 25-30 mm/min | 34261970 |
| 82mm            | 1mm                  | 55mm              | 1/2"G   | 800 rpm       | 25-30 mm/min | 34322690 |
| 100mm           | 1mm                  | 55mm              | 1/2"G   | 800 rpm       | 25-30 mm/min | 34185025 |



### Electroplated core drills for MARBLE and LIMESTONES

Other dimensions available on request

| Ø<br>(External) | Grit | Working<br>length | Fitting | Spindle speed | Feed rate    | Sysnr    |
|-----------------|------|-------------------|---------|---------------|--------------|----------|
| 25mm            | D602 | 100mm             | 1/2"G   | 3.000 rpm     | 25-30 mm/min | 34011968 |
| 30mm            | D602 | 100mm             | 1/2"G   | 2.000 rpm     | 27-35 mm/min | 34011969 |
| 35mm            | D602 | 100mm             | 1/2"G   | 2.000 rpm     | 27-35 mm/min | 479553   |
| 60mm            | D602 | 100mm             | 1/2"G   | 800 rpm       | 25-30 mm/min | 682242   |



### Core drills for TECHNICAL CERAMIC SLABS

Other dimensions available on request



| Ø<br>(External) | Segment<br>thickness | Working<br>length | Fitting | Spindle speed | Feed rate    | Sysnr    |
|-----------------|----------------------|-------------------|---------|---------------|--------------|----------|
| 10mm            | 1mm                  | 50mm              | 1/2"G   | 3.000 rpm     | 25-30 mm/min | 34336069 |
| 18mm            | 1mm                  | 50mm              | 1/2"G   | 3.000 rpm     | 25-30 mm/min | 34299716 |
| 20mm            | 1mm                  | 50mm              | 1/2"G   | 3.000 rpm     | 25-30 mm/min | 34311230 |
| 22mm            | 1mm                  | 50mm              | 1/2"G   | 2.500 rpm     | 27-35 mm/min | 34180357 |
| 30mm            | 1mm                  | 50mm              | 1/2"G   | 2.000 rpm     | 27-35 mm/min | 34279478 |
| 32mm            | 1mm                  | 50mm              | 1/2"G   | 2.000 rpm     | 27-35 mm/min | 34180358 |
| 35mm            | 1mm                  | 50mm              | 1/2"G   | 2.000 rpm     | 27-35 mm/min | 34339989 |
| 60mm            | 1mm                  | 50mm              | 1/2"G   | 800 rpm       | 25-30 mm/min | 34327355 |
| 65mm            | 1mm                  | 50mm              | 1/2"G   | 800 rpm       | 25-30 mm/min | 34327356 |
| 68mm            | 1mm                  | 50mm              | 1/2"G   | 800 rpm       | 25-30 mm/min | 34311281 |



## Blind hole drills



### Blind core drills for NATURAL and ENGINEERED STONE

Other dimensions available on request




| Ø<br>(External) | Working<br>length | Fitting              | Spindle speed | Feed rate | Sysnr    |
|-----------------|-------------------|----------------------|---------------|-----------|----------|
| 5mm             | 55mm              | 1/2"G                | 6.200 rpm     | 15 mm/min | 631794   |
| 6mm             | 55mm              | 1/2"G                | 6.200 rpm     | 15 mm/min | 403074   |
| 7mm             | 55mm              | 1/2"G                | 5.800 rpm     | 20 mm/min | 34005890 |
| 8mm             | 55mm              | 1/2"G                | 5.800 rpm     | 20 mm/min | 403075   |
| 10mm            | 55mm              | 1/2"G                | 5.800 rpm     | 20 mm/min | 526865   |
| 11mm            | 55mm              | 1/2"G                | 5.500 rpm     | 15 mm/min | 486210   |
| 12mm            | 55mm              | 1/2"G                | 5.500 rpm     | 15 mm/min | 34013420 |
| 14mm            | 55mm              | 1/2"G                | 5.500 rpm     | 15 mm/min | 484102   |
| 5mm             | 55mm              | 10 mm diameter shaft | 6.200 rpm     | 15 mm/min | 557355   |
| 6mm             | 55mm              | 10 mm diameter shaft | 6.200 rpm     | 15 mm/min | 34013421 |
| 7mm             | 55mm              | 10 mm diameter shaft | 5.800 rpm     | 20 mm/min | 34013422 |
| 8mm             | 55mm              | 10 mm diameter shaft | 5.800 rpm     | 20 mm/min | 487268   |
| 10mm            | 55mm              | 10 mm diameter shaft | 5.800 rpm     | 20 mm/min | 526863   |
| 11mm            | 55mm              | 10 mm diameter shaft | 5.500 rpm     | 15 mm/min | 493583   |
| 12mm            | 55mm              | 10 mm diameter shaft | 5.500 rpm     | 15 mm/min | 526864   |
| 14mm            | 55mm              | 10 mm diameter shaft | 5.500 rpm     | 15 mm/min | 522720   |

## High speed Calibrating / Stubbing wheels





Improved Productivity:  
Specifically designed bond  
means high feed speeds

Easy turn over: Brass body does not rust and allows wheel to be turned over easily. Versions complete with 1/2" Gas attachments have fitting and screws in high grade stainless steel.

| Diameter  | Height | Fitting                  | Spindle speed   | Feed rate  | Stock removal | Sysnr  |
|---|--------|--------------------------|---|------------|---------------|--|
|    |        | <b>Ø 50mm</b>            | <b>Stubbing wheels for GRANITE and ENGINEERED STONE</b> |            |               |  |
| 50mm  | 30mm   | Bore: 14mm (3 + 3 holes) | 6.000 rpm   | 400 mm/min | 1-3 mm        |  |
|   |        |                          |   |            |               | Complete tool  |
|   |        |                          |   |            |               | 34363399   |
|   |        |                          |   |            |               | Diamond wheel only   |
|   |        |                          |   |            |               | 34363397   |
|   |        |                          |   |            |               | Only 1/2"G fitting with screws   |
|   |        |                          |   |            |               | 34391409   |
|  |        | <b>Ø 90mm</b>            | <b>Stubbing wheels for GRANITE and ENGINEERED STONE</b> |            |               |  |
| 90mm  | 30mm   | Bore: 50mm (3 + 3 holes) | 5.000 rpm   | 400 mm/min | 1-3 mm        |  |
|   |        |                          |   |            |               | Complete tool  |
|   |        |                          |   |            |               | 34378604   |
|   |        |                          |   |            |               | Diamond wheel only   |
|   |        |                          |   |            |               | 34357681   |
|   |        |                          |   |            |               | Only 1/2"G fitting with screws   |
|   |        |                          |   |            |               | 81014975   |
|  |        | <b>Ø 90mm</b>            | <b>Stubbing wheels for GRANITE and ENGINEERED STONE</b> |            |               |  |
|   |        |                          |   |            |               | <b>Very long life: Class leading 10mm thick diamond band means optimum life.</b> |
| 90mm  | 30mm   | Bore: 20mm (4 + 4 holes) | 5.000 rpm   | 400 mm/min | 1-3 mm        |  |
|   |        |                          |   |            |               | Complete tool  |
|   |        |                          |   |            |               | 34058413   |
|   |        |                          |   |            |               | Diamond wheel only   |
|   |        |                          |   |            |               | 34052986   |
|   |        |                          |   |            |               | Only 1/2"G fitting with screws   |
|   |        |                          |   |            |               | 81014978   |
|  |        | <b>Ø 100mm</b>           | <b>Stubbing wheels for GRANITE and ENGINEERED STONE</b> |            |               |  |
|   |        |                          |   |            |               | <b>Very long life: Class leading 10mm thick diamond band means optimum life.</b> |
| 100mm   | 30mm   | Bore: 50mm (3 + 3 holes) | 5.000 rpm   | 400 mm/min | 2-4 mm        |  |
|   |        |                          |   |            |               | Complete tool  |
|   |        |                          |   |            |               | 34228532   |
|   |        |                          |   |            |               | Diamond wheel only   |
|   |        |                          |   |            |               | 34228531   |
|   |        |                          |   |            |               | Only 1/2"G fitting with screws   |
|   |        |                          |   |            |               | 81014975   |





| Diameter  | Height | Fitting                  | Spindle speed  | Feed rate  | Tiles automatic | Sysnr                          | Price    |  |
|---|--------|--------------------------|--|------------|-----------------|--------------------------------|----------|--|
|  |        |                          |  |            |                 |                                |          |  |
|   |        | <b>Ø 90mm</b>            | <b>Stubbing wheels for MARBLE and CALCAREOUS AGGLOMERATE</b> |            |                 |                                |          |  |
| 90mm  | 30mm   | Bore: 50mm (3 + 3 holes) | 5.000 rpm  | 400 mm/min | 1-3 mm          |                                |          |  |
|   |        |                          |  |            |                 | Complete tool                  | -        |  |
|   |        |                          |  |            |                 | Diamond wheel only             | 34357680 |  |
|   |        |                          |  |            |                 | Only 1/2"G fitting with screws | 81014975 |  |
|  |        |                          |  |            |                 |                                |          |  |
|   |        | <b>Ø 50mm</b>            | <b>Stubbing wheels for TECHNICAL CERAMICS and DEKTON</b>     |            |                 |                                |          |  |
| 50mm  | 30mm   | Bore: 14mm (3 + 3 holes) | 6.000 rpm  | 400 mm/min | 1-3 mm          |                                |          |  |
|   |        |                          |  |            |                 | Complete tool                  | 34398390 |  |
|   |        |                          |  |            |                 | Diamond wheel only             | 34376163 |  |
|   |        |                          |  |            |                 | Only 1/2"G fitting with screws | 34391409 |  |



## Calibrating / Stubbing wheels for GRANITE and ENGINEERED STONE

| Diameter  | Segment height | Fitting                   | Spindle speed   | Feed rate      | Stock removal | Sysnr                             |          |
|---|----------------|---------------------------|-----------------|----------------|---------------|-----------------------------------|----------|
|    |                |                           |                 |                |               |                                   |          |
| <b>Ø 50mm</b>   |                |                           |                 |                |               |                                   |          |
| 50mm  | 25mm           | 2 holes                   | 5.000-6.000 rpm | 100-200 mm/min | 1-3 mm        |                                   |          |
|   |                |                           |                 |                |               | Complete tool                     | 897213   |
|   |                |                           |                 |                |               | Diamond wheel only                | 242579   |
|   |                |                           |                 |                |               | Only 1/2"G fitting with screws    | 81014977 |
|    |                |                           |                 |                |               |                                   |          |
| <b>Ø 80mm</b>   |                |                           |                 |                |               |                                   |          |
| 80mm  | 20mm           | Bore: 20mm<br>4 + 4 holes | 4.000-5.000 rpm | 150-300 mm/min | 2-4 mm        |                                   |          |
|   |                |                           |                 |                |               | Complete tool - 1/2" G fitting    | 479554   |
|   |                |                           |                 |                |               | Complete tool - 35mm bore fitting | 762197   |
|   |                |                           |                 |                |               | Diamond wheel only                | 762199   |
|   |                |                           |                 |                |               | Only 1/2"G fitting with screws    | 81014978 |
|   |                |                           |                 |                |               | 35mm bore fitting , only          | 301418   |
|  |                |                           |                 |                |               |                                   |          |
| <b>Ø 85mm</b>   |                |                           |                 |                |               |                                   |          |
| 85mm  | 20mm           | Bore: 50mm<br>3 + 3 holes | 4.000-5.000 rpm | 150-300 mm/min | 2-4 mm        |                                   |          |
|   |                |                           |                 |                |               | Complete tool                     | 34011965 |
|   |                |                           |                 |                |               | Diamond wheel only                | 67966    |
|   |                |                           |                 |                |               | Only 1/2"G fitting with screws    | 81014979 |
|  |                |                           |                 |                |               |                                   |          |
| <b>Ø 100mm</b>  |                |                           |                 |                |               |                                   |          |
| 100mm   | 20mm           | Bore: 20mm<br>4 + 4 holes | 4.000-5.000 rpm | 200-400 mm/min | 2-4 mm        |                                   |          |
|   |                |                           |                 |                |               | Complete tool                     | 564862   |
|   |                |                           |                 |                |               | Diamond wheel only                | 34011941 |
|   |                |                           |                 |                |               | Only 1/2"G fitting with screws    | 81014978 |
|  |                |                           |                 |                |               |                                   |          |
| <b>Ø 20mm - Ø 30mm - Ø 35mm</b>   |                |                           |                 |                |               |                                   |          |
| <b>20mm</b>   | 10mm           | 1/2"G                     | 4.000-5.000 rpm | 200-400 mm/min | 1-3 mm        | 534995                            |          |
| <b>30mm</b>   | 18mm           | 1/2"G                     | 4.000-5.000 rpm | 200-400 mm/min | 1-3 mm        | 638058                            |          |
| <b>35mm</b>   | 18mm           | 1/2"G                     | 4.000-5.000 rpm | 200-400 mm/min | 1-3 mm        | 34013269                          |          |

## Calibrating / Stubbing wheels for MARBLE and LIMESTONES

| Diameter  | Segment height | Fitting                   | Spindle speed   | Feed rate      | Stock removal | Sysnr                                   |
|---|----------------|---------------------------|-----------------|----------------|---------------|---|
|  |                | <b>Ø 80mm</b>             |                 |                |               |   |
| 80mm  | 25mm           | Bore: 20mm<br>4 + 4 holes | 5.000-6.000 rpm | 100-200 mm/min | 1-3 mm        |   |
|   |                |                           |                 |                |               | Complete tool 462189                    |
|   |                |                           |                 |                |               | Diamond wheel only 462190               |
|   |                |                           |                 |                |               | Only 1/2"G fitting with screws 81014978 |
|  |                | <b>Ø 85mm</b>             |                 |                |               |   |
| 85mm  | 20mm           | Bore: 50mm<br>3 + 3 holes | 4.000-5.000 rpm | 400-600 mm/min | 3-5 mm        |   |
|   |                |                           |                 |                |               | Complete tool 462191                    |
|   |                |                           |                 |                |               | Diamond wheel only 462192               |
|   |                |                           |                 |                |               | Only 1/2"G fitting with screws 81014979 |

## Stubbing wheels for TECHNICAL CERAMICS
















**Ø 12,5mm**

**Small radius tool for flash fitting top and incremental cutting**




| Diameter | Working length | Fitting | Spindle speed | Feed rate      | Stock removal | Sysnr    |
|----------|----------------|---------|---------------|----------------|---------------|----------|
| 8mm      | 12mm           | 1/2"G   | 5.500 rpm     | 100-200 mm/min | 0,5 mm        | 34474832 |
| 12,5mm   | 12mm           | 1/2"G   | 4.500 rpm     | 150-300 mm/min | 0,5 mm        | 34408605 |
| 12,5mm   | 20mm           | 1/2"G   | 4.500 rpm     | 150-300 mm/min | 0,5 mm        | 34476406 |

## Recessed drainboard wheels for GRANITE and ENGINEERED STONE 45° inclination



| Positions   |   |   |   |   |  |   |   |   |
|---|---|---|---|---|--|---|---|---|
| 1   | 2   | 3   | 4   | 5   | 6  | 7   | 8   | 9   |
| Stubbing  | Recessed drainboard wheels  |   | Recessed drainboard polishing wheels  |   |  |   |   |   |
| High speed*   | Inclined top processing   |   | Flat polishing  |   |  |   |   |   |
|  |  |  |  |  |  |  |  |  |
| Standard*   |   |   | Inclined edge polishing   |   |  |   |   |   |
|  |   |   |  |  |  |   |   |   |

\* First position is any stubbing wheel

### Recessed drainboard wheels

|   | Diameter | Grit   | Fitting | Spindle speed   | Feed rate      | Stock removal | Sysnr  |
|---|----------|--------|---------|-----------------|----------------|---------------|--------|
|  | 100mm    | Medium | 1/2"G   | 3.800-4.500 rpm | 200-400 mm/min | 0,3-0,4 mm    | 189952 |
|   | 100mm    | Fine   | 1/2"G   | 3.800-4.500 rpm | 200-400 mm/min | 0,2 mm        | 189954 |

### Recessed drainboard polishing wheels

|   | Diameter               | Grit      | Spindle speed   | Feed rate    | Sysnr                | Sysnr                   |
|---|------------------------|-----------|-----------------|--------------|----------------------|-------------------------|
|  | <b>Flat polishing</b>  |           |                 |              | <b>Snail fitting</b> | <b>Magnetic fitting</b> |
|   | 100mm                  | 50        | 1.200 rpm       | 4.000 mm/min |                      | 34012971                |
|   | 100mm                  | 100       | 1.200 rpm       | 4.000 mm/min |                      | 34012972                |
|   | 100mm                  | 200       | 1.200 rpm       | 4.000 mm/min | 34393728             | 34012905                |
|   | 100mm                  | 500       | 1.200 rpm       | 4.000 mm/min | 34393729             | 34012906                |
|   | 100mm                  | 1000      | 1.200 rpm       | 4.000 mm/min | 34393730             | 34012907                |
|   | 100mm                  | 2000      | 1.200 rpm       | 4.000 mm/min | 34039243             | 34012908                |
|   | 100mm                  | 3000      | 1.200 rpm       | 4.000 mm/min | 34393751             | 34012909                |
|   | 100mm                  | dark buff | 1.000-1.200 rpm | 3.500 mm/min | 475638               | 394184                  |
|  | <b>45° inclination</b> |           |                 |              |                      | <b>Bore 35mm</b>        |
|   | 100mm                  | 500       | 1.000-1.200 rpm | 3.500 mm/min |                      | 400033                  |
|   | 100mm                  | 1000      | 1.000-1.200 rpm | 3.500 mm/min |                      | 400035                  |
|   | 100mm                  | 2000      | 1.000-1.200 rpm | 3.500 mm/min |                      | 400036                  |

## Drainboard grooving routers and wheels for GRANITE and ENGINEERED STONE



### Single pass grooving routers

| Position | Diameter | Radius | Length | Fitting | Grit | Spindle speed   | Feed rate      | Sysnr    |
|----------|----------|--------|--------|---------|------|-----------------|----------------|----------|
| 1        | 5 mm     | 2,5 mm | 15 mm  | 1/2" G  | M9   | 4.000-6.000 rpm | 200-500 mm/min | 34338467 |
| 1        | 6 mm     | 3 mm   | 15 mm  | 1/2" G  | M9   | 4.000-6.000 rpm | 200-500 mm/min | 364670   |
| 1        | 10 mm    | 5 mm   | 10 mm  | 1/2" G  | M9   | 4.000-6.000 rpm | 200-500 mm/min | 298086   |
| 1        | 12 mm    | 6 mm   | 20 mm  | 1/2" G  | M9   | 4.000-6.000 rpm | 200-500 mm/min | 762562   |
| 1        | 15 mm    | 7,5 mm | 20 mm  | 1/2" G  | M9   | 4.000-6.000 rpm | 200-500 mm/min | 298087   |
| 1        | 20 mm    | 10 mm  | 20 mm  | 1/2" G  | M9   | 4.000-6.000 rpm | 200-500 mm/min | 298088   |



### Multiple pass grooving router sets

#### Set of wheels for 12mm

| Position | Diameter | Radius | Length | Fitting | Grit | Spindle speed   | Feed rate      | Sysnr    |
|----------|----------|--------|--------|---------|------|-----------------|----------------|----------|
| 1        | 10 mm    | 5 mm   | 20mm   | 1/2" G  | M9   | 4.000-6.000 rpm | 200-500 mm/min | 298086   |
| 2        | 11 mm    | 5,5 mm | 20mm   | 1/2" G  | M12  | 4.000-6.000 rpm | 200-500 mm/min | 34041173 |
| 3        | 11,6 mm  | 5,8 mm | 20mm   | 1/2" G  | M19  | 4.000-6.000 rpm | 200-500 mm/min | 34041174 |
| 4        | 12 mm    | 6 mm   | 20mm   | 1/2" G  | M20  | 4.000-6.000 rpm | 200-500 mm/min | 34041175 |

#### Set of wheels for 15mm

| Position | Diameter | Radius | Length | Fitting | Grit | Spindle speed   | Feed rate      | Sysnr  |
|----------|----------|--------|--------|---------|------|-----------------|----------------|--------|
| 1        | 12mm     | 6mm    | 20mm   | 1/2" G  | M9   | 4.000-6.000 rpm | 200-500 mm/min | 762562 |
| 2        | 14mm     | 7mm    | 20mm   | 1/2" G  | M12  | 4.000-6.000 rpm | 200-500 mm/min | 762563 |
| 3        | 14,6mm   | 7,3mm  | 20mm   | 1/2" G  | M19  | 4.000-6.000 rpm | 200-500 mm/min | 762564 |
| 4        | 15mm     | 7,5mm  | 20mm   | 1/2" G  | M20  | 4.000-6.000 rpm | 200-500 mm/min | 762565 |

#### Set of wheels for 20mm

| Position | Diameter | Radius | Length | Fitting | Grit | Spindle speed   | Feed rate      | Sysnr  |
|----------|----------|--------|--------|---------|------|-----------------|----------------|--------|
| 1        | 17mm     | 8,5mm  | 20mm   | 1/2" G  | M9   | 4.000-6.000 rpm | 200-500 mm/min | 762566 |
| 2        | 19mm     | 9,5mm  | 20mm   | 1/2" G  | M12  | 4.000-6.000 rpm | 200-500 mm/min | 762567 |
| 3        | 19,6mm   | 9,8mm  | 20mm   | 1/2" G  | M19  | 4.000-6.000 rpm | 200-500 mm/min | 762568 |
| 4        | 20mm     | 10mm   | 20mm   | 1/2" G  | M20  | 4.000-6.000 rpm | 200-500 mm/min | 762569 |

## Drainboard grooving routers and wheels for GRANITE and ENGINEERED STONE



|                          | Diameter | Radius | Bore | Grit | Spindle speed | Feed rate  | Sysnr    |
|--------------------------|----------|--------|------|------|---------------|------------|----------|
| Grooving wheel           | 140mm    | 5mm    | 30mm | Fine | 2.500 rpm     | 500 mm/min | 34228533 |
| Abrasive polishing wheel | 140mm    | 5mm    | 30mm | 400  | 1.500 rpm     | 500 mm/min | 34238113 |
| Abrasive polishing wheel | 140mm    | 5mm    | 30mm | 1000 | 1.500 rpm     | 500 mm/min | 34238115 |
| Grooving wheel           | 150mm    | 5mm    | 30mm | Fine | 2.500 rpm     | 500 mm/min | 486176   |
| Abrasive polishing wheel | 150mm    | 5mm    | 30mm | 400  | 1.500 rpm     | 500 mm/min | 362752   |
| Abrasive polishing wheel | 150mm    | 5mm    | 30mm | 1000 | 1.500 rpm     | 500 mm/min | 491727   |
| Grooving wheel           | 150mm    | 5mm    | 22mm | Fine | 2.500 rpm     | 500 mm/min | 34012064 |
| Abrasive polishing wheel | 180mm    | 5mm    | 22mm | 400  | 1.500 rpm     | 500 mm/min | 342092   |



## Writing bits

|  | Fitting | Spindle speed | Feed rate | Sysnr |
|--|---------|---------------|-----------|-------|
|--|---------|---------------|-----------|-------|




|             |               |                 |     |           |                |        |
|-------------|---------------|-----------------|-----|-----------|----------------|--------|
| Mushroom    | Sintered bits | Ø 15 x 13 mm R6 | 6mm | 6.000 rpm | 100-200 mm/min | 472215 |
| Cylinder    | Sintered bits | Ø 15 x 13 mm    | 6mm | 6.000 rpm | 100-200 mm/min | 472213 |
| Conical     | Sintered bits | Ø 15 - 13 mm    | 6mm | 6.000 rpm | 100-200 mm/min | 472216 |
| Trapezoidal | Sintered bits | Ø 15 x 13 mm    | 6mm | 6.000 rpm | 100-200 mm/min | 472214 |
| Cylinder    | Sintered bits | Ø 10 - 30 mm    | 6mm | 6.000 rpm | 100-200 mm/min | 472217 |





20 piece set (selection of shapes)

|     |           |                |          |
|-----|-----------|----------------|----------|
| 6mm | 6.000 rpm | 100-300 mm/min | 34017793 |
|-----|-----------|----------------|----------|

## Writing bits

|   |  | Fitting | Spindle speed | Feed rate        | Sysnr  |
|---|--|---------|---------------|------------------|--------|
|  | Bas-relief bits - Universal                          | 1/2"G   | 7.000 rpm     | 100 mm/min       | 437424 |
|   | Bas-relief bits - Widia, radius= 5mm with water flow | 1/2"G   | 7.000 rpm     | 100 mm/min       | 588405 |
|   | Bas-relief bits - Widia, radius= 3mm with water flow | 1/2"G   | 7.000 rpm     | 100 mm/min       | 437428 |
| Universal   | Widia  |         |               |                  |        |
| Widia - angle 60°   |  | 10mm    | 6.000 rpm     | 100 - 200 mm/min | 650227 |
| Widia - angle 90°   |  | 10mm    | 6.000 rpm     | 100 - 200 mm/min | 569290 |
| PCD - angle 60°   |  | 10mm    | 6.000 rpm     | 100 - 200 mm/min | 361731 |
| PCD - angle 90°   |  | 10mm    | 6.000 rpm     | 100 - 200 mm/min | 285638 |

## Adapters

|   |  | Sysnr    |
|---|--|----------|
|  | Basic with grub screw (D6mm - 1/2" G)  | 34008623 |
|   | Basic with grub screw (D10mm - 1/2" G) | 34008608 |
|  | Professional with 6mm and 10mm collets | 333774   |

## Abrasive sticks



|                 |           | Grit | Sysnr    |
|-----------------|-----------|------|----------|
| Abrasive sticks | 200X50X10 | 150  | 34217115 |
| Abrasive sticks | 150X25X15 | 150  | 34217113 |
| Abrasive sticks | 150X20X10 | 300  | 34217114 |

## Adapters and fittings



531608



301421



377591



301422

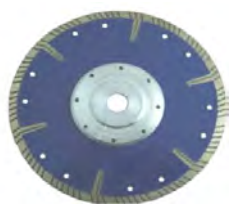
|  | Sysnr  |
|--|--------|
| Bore reduction 35mm / 30mm             | 531608 |
| Bore reduction 35mm / 22mm (Bavelloni) | 301421 |
| Adapter 1/2'G Thickness -20mm          | 377591 |
| Adapter / Washer Thickness 5mm         | 301422 |





TOOLS FOR  
PORTABLE MACHINES

## Wet and dry cutting saw blades for portable machines



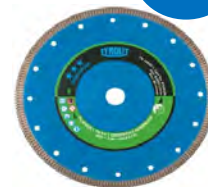
Turbo with lateral supports



Electroplated blade



Continuous band



Continuous band DCT\*\*\*

**NEW**

|                             | Diameter | Fitting        | Spec   | Application | Sysnr    |
|-----------------------------|----------|----------------|--------|-------------|----------|
| Turbo with lateral supports | 115mm    | Bore 22,2mm    | DR     | hard stone  | 34074590 |
| Turbo with lateral supports | 115mm    | Flanged M14    | DR     | hard stone  | 34059103 |
| Turbo with lateral supports | 125mm    | Bore 22,2mm    | DR     | hard stone  | 613026   |
| Turbo with lateral supports | 125mm    | Flanged M14    | DR     | hard stone  | 628808   |
| Turbo with lateral supports | 150mm    | Flanged M14    | DR     | hard stone  | 34007823 |
| Turbo with lateral supports | 230mm    | Bore 22,2mm    | DR     | hard stone  | 628809   |
| Turbo with lateral supports | 230mm    | Flanged 22,2mm | DR     | hard stone  | 728517   |
| Turbo with lateral supports | 230mm    | Flanged M14    | DR     | hard stone  | 34077361 |
| Electroplated blade         | 125mm    | Flanged M14    | DREL   | Marble      | 34012212 |
| Electroplated blade         | 150mm    | Flanged M14    | DREL   | Marble      | 34012224 |
| Electroplated blade         | 180mm    | Flanged M14    | DREL   | Marble      | 34012748 |
| Electroplated blade         | 230mm    | Flanged 22,2mm | DREL   | Marble      | 34012223 |
| Continuous band             | 115mm    | Bore 22,2mm    | DR     | Universal   | 34008577 |
| Continuous band             | 125mm    | Bore 22,2mm    | DR     | Universal   | 34363016 |
| Continuous band             | 125mm    | Flanged M14    | DR     | Universal   | 34364554 |
| Continuous band             | 180mm    | Bore 22,2mm    | DCT*** | Universal   | 639634   |
| Continuous band             | 200mm    | Bore 22,2mm    | DCT*** | Universal   | 676791   |
| Continuous band             | 230mm    | Bore 22,2mm    | DCT*** | Universal   | 639635   |

**CERAM**

## Wet and dry cutting saw blades PREMIUM



707365



34558346

**NEW**

|                         | Diameter | Fitting      | WxH    | Application | Sysnr    |
|-------------------------|----------|--------------|--------|-------------|----------|
| C3W - TGD® technology   | 230mm    | Bore 22,23mm | 2,4x14 | hard stone  | 707365   |
| Electroplated DREL-FULL | 115mm    | Flanged M14  | 2,2x10 | Universal   | 34558346 |
| Electroplated DREL-FULL | 125mm    | Flanged M14  | 1,8x10 | Universal   | 34527172 |
| Electroplated DREL-FULL | 230mm    | Flanged M14  | 2,5x20 | Universal   | 34557541 |

**CERAM**

## Wet and dry grinding cups and polishing pads for portable machines






Grinding wheel - metal bond

|                     | Diameter | Fitting     | Grit        | Sysnr  |
|---------------------|----------|-------------|-------------|--------|
| Turbo - wet and dry | 100mm    | Flanged M14 | M78 Granite | 551205 |



PREMIUM\*\*\*  
Grinding wheel - resin bond - Universal



|      |   | Dimensions  | Fitting | Spec      | Grit | Pieces per box | Sysnr  |
|------|---|-------------|---------|-----------|------|----------------|--------|
| 11BT |  | 110/90x55mm | 22,23mm | 1C16L4B2  | 16   | 2              | 310980 |
|      |   | 110/90x55mm | 22,23mm | 1C24L4B2  | 24   | 2              | 318070 |
|      |   | 110/90x55mm | 22,23mm | 1C60J4B2  | 60   | 2              | 314463 |
| 6ZB  |  | 110/90x55mm | 22,23mm | 1C120J4B0 | 120  | 2              | 317307 |
|      |   | 110/45mm    | M14     | 1C24L4B2  | 24   | 2              | 89383  |
|      |   | 110/45mm    | M14     | 1C60J4B2  | 60   | 2              | 83585  |
|      |   | 110/45mm    | M14     | 1C120J4B2 | 120  | 2              | 56895  |
| 11ZB |  | 110/45mm    | M14     | 1C220J4B0 | 220  | 2              | 553403 |
|      |   | 110/90x55mm | M14     | 1C16L4B2  | 16   | 2              | 310992 |
|      |   | 110/90x55mm | M14     | 1C24L4B2  | 24   | 2              | 310993 |
|      |   | 110/90x55mm | M14     | 1C60J4B2  | 60   | 2              | 321211 |
|      |   | 110/90x55mm | M14     | 1C120J4B0 | 120  | 2              | 320074 |
|      |   | 110/90x55mm | M14     | 1C220J4B0 | 220  | 2              | 326214 |
|      |   | 130/90x55mm | M14     | 1C16L4B2  | 16   | 2              | 310994 |
|      |   | 130/90x55mm | M14     | 1C24L4B2  | 24   | 2              | 310995 |
|      |   | 130/90x55mm | M14     | 1C60J4B2  | 60   | 2              | 320075 |
|      |   | 130/90x55mm | M14     | 1C120J4B0 | 120  | 2              | 424846 |
|      |   | 130/90x55mm | M14     | 1C220J4B0 | 220  | 2              | 336499 |

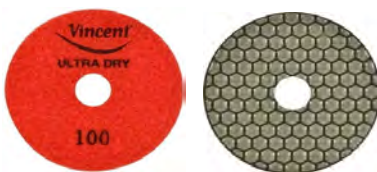
## Wet and dry grinding cups and polishing pads for portable machines



PREMIUM\*\*\* - RONDELLER®  
Grinding wheel - Universal



|       |  | Dimensions | Fitting | Spec     | Grit | Pieces per box | Sysnr  |
|-------|--|------------|---------|----------|------|----------------|--------|
| 29RON |  | 115mm      | 22,23mm | C36S-BF  | 36   | 25             | 908233 |
|       |  | 115mm      | 22,23mm | C60-BF   | 60   | 25             | 948218 |
|       |  | 178mm      | 22,23mm | C36S-BF  | 36   | 25             | 908220 |
|       |  | 178mm      | 22,23mm | C60S-BF  | 60   | 25             | 908221 |
|       |  | 178mm      | 22,23mm | C100S-BF | 100  | 25             | 908223 |
|       |  | 178mm      | 22,23mm | C180S-BF | 180  | 25             | 908224 |



ULTRA polishing pads - Universal



|                        |  | Dimensions | Fitting | Spec  | Grit           | Pieces per box | Sysnr    |
|------------------------|--|------------|---------|-------|----------------|----------------|----------|
| ULTRA<br>DRY polishing |  | 100x3mm    | 20mm    | U.DRY | 50             | 5              | 34130304 |
|                        |  | 100x3mm    | 20mm    | U.DRY | 100            | 5              | 34130310 |
|                        |  | 100x3mm    | 20mm    | U.DRY | 200            | 5              | 34136071 |
|                        |  | 100x3mm    | 20mm    | U.DRY | 400            | 5              | 34136072 |
|                        |  | 100x3mm    | 20mm    | U.DRY | 800            | 5              | 34136073 |
|                        |  | 100x3mm    | 20mm    | U.DRY | 1500           | 5              | 34136074 |
|                        |  | 100x3mm    | 20mm    | U.DRY | 3000           | 5              | 34136076 |
|                        |  | 100x3mm    | 20mm    | U.DRY | BUFF           | 5              | 34136077 |
|                        |  | 100x3mm    | 20mm    | U.DRY | 1 SET - 8 PADS |                | 34136078 |
| ULTRA<br>WET polishing |  | 100x3mm    | 20mm    | U.WET | 50             | 5              | 34186853 |
|                        |  | 100x3mm    | 20mm    | U.WET | 100            | 5              | 34186855 |
|                        |  | 100x3mm    | 20mm    | U.WET | 200            | 5              | 34186856 |
|                        |  | 100x3mm    | 20mm    | U.WET | 400            | 5              | 34186857 |
|                        |  | 100x3mm    | 20mm    | U.WET | 800            | 5              | 34186858 |
|                        |  | 100x3mm    | 20mm    | U.WET | 1500           | 5              | 34186859 |
|                        |  | 100x3mm    | 20mm    | U.WET | 3000           | 5              | 34186860 |
|                        |  | 100x3mm    | 20mm    | U.WET | BUFF           | 5              | 34186861 |
|                        |  | 100x3mm    | 20mm    | U.WET | 1 SET - 8 PADS |                | 34186862 |



### Blind hole drills



Core drills for CERAMIC tiles and slabs and for MARBLE - dry use



| Ø (External) | Working length | Fitting | Sysnr |
|--------------|----------------|---------|-------|
| 6mm          | 45mm           | HEX     | 69833 |
| 8mm          | 45mm           | HEX     | 69848 |
| 10mm         | 45mm           | HEX     | 69855 |
| 12mm         | 45mm           | HEX     | 69856 |
| 14mm         | 45mm           | HEX     | 69860 |

### Core drills

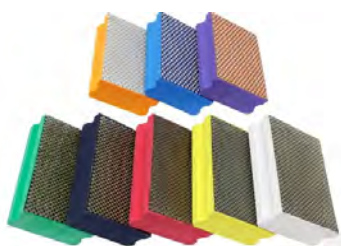


Core drills for CERAMIC tiles and slabs and for MARBLE - dry use



| Ø (External) | Working length | Fitting | Sysnr |
|--------------|----------------|---------|-------|
| 20mm         | 45mm           | M14     | 69769 |
| 38mm         | 45mm           | M14     | 69768 |
| 52mm         | 45mm           | M14     | 69767 |
| 65mm         | 45mm           | M14     | 69766 |
| 75mm         | 45mm           | M14     | 51392 |

### Hand Pads



Vincent Diamond hand Pads are tools that guarantee very quick, economic and high-quality finish on flat and shaped surfaces - Universal



| Dimensions | Grit / color  | Type       | Pcs per box      | Sysnr    |
|------------|---------------|------------|------------------|----------|
| 100x60x30  | 50 / Green    | metal bond | 5 Pieces per box | 34462323 |
| 100x60x30  | 100 / Black   | metal bond | 5 Pieces per box | 34451529 |
| 100x60x30  | 200 / Red     | metal bond | 5 Pieces per box | 34451532 |
| 100x60x30  | 400 / Yellow  | metal bond | 5 Pieces per box | 34451534 |
| 100x60x30  | 800 / White   | metal bond | 5 Pieces per box | 34451535 |
| 100x60x30  | 800 / Orange  | resin bond | 5 Pieces per box | 34462324 |
| 100x60x30  | 1500 / Blue   | resin bond | 5 Pieces per box | 34462325 |
| 100x60x30  | 3000 / Purple | resin bond | 5 Pieces per box | 34462326 |

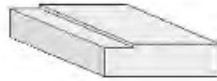




STRAIGHT LINE EDGE  
MACHINE TOOLING



## Straight line edge machine tooling for GRANITE and ENGINEERED STONE



Calibrating wheel

| Diameter | Fitting | Grit | Sysnr    |
|----------|---------|------|----------|
| 190mm    | 50mm    | M8   | 34205048 |
| 250mm    | 50mm    | M8   | 34205049 |
| 260mm    | 50mm    | M8   | 34205047 |



Chamfer/Bevelling wheels

| Diameter | Fitting | Grit | Sysnr    |
|----------|---------|------|----------|
| 155mm    | 50mm    | M78  | 300592   |
| 150mm    | 50mm    | 80BN | 34349956 |

Generating wheels



943077



300555 - 34348676 - 34007976



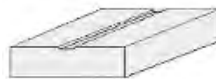
300553 - 300554  
377215 - 300570



356408 - 34332750



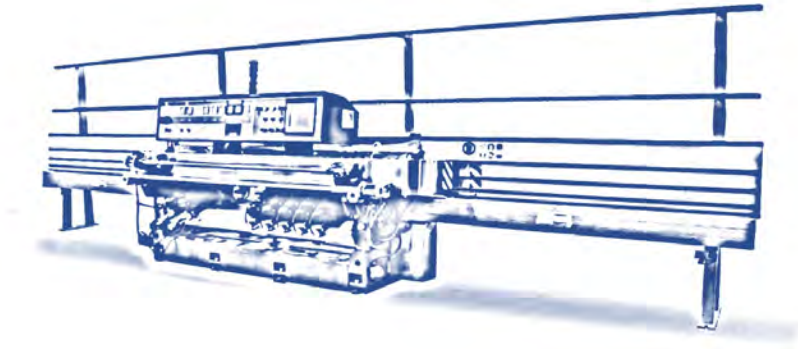
| Diameter                        | Fitting       | Grit | Sysnr  |
|---------------------------------|---------------|------|--------|
| 120mm x 30mm - reinforced wheel | 40mm          | M9   | 943077 |
| 120mm x 34mm                    | M18           | M9   | 300555 |
| 130mm x 47,5mm                  | M30           | M9   | 300554 |
| 130mm x 47,5mm                  | Snail fitting | M8   | 356408 |



Grooving disc

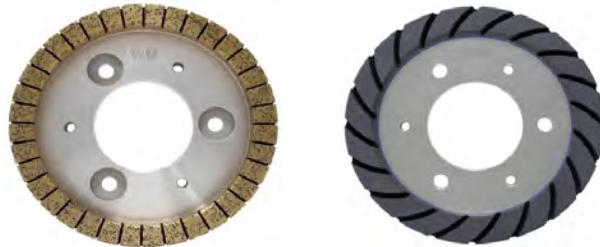
Different machine attachments and diameters available on request

## Guidelines for Tools for Ceramic slabs on straight bevelling and profiling machines



On the market there are various brands and models of machines already used for working on artificial stones and glass. The main processes are making and polishing of straight or shaped edges. Depending on the machine model, suitable geometry tools and specifications are available. Vincent can help you define the correct sequence of tools for every machine.

### Metal and resin bond cup wheels



### Profiling wheels



Main processes:



## Choice of tools for straight grinding machines for Ceramic slabs:




For a correct selection of tools please provide us with the following information about the machine and the material to be processed:


| REQUIRED INFO        |  |
|----------------------|--|
| machine manufacturer |  |
| machine model        |  |
| application          |  |
| material             |  |
| material thickness   |  |

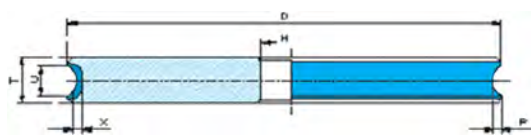
A wide range of tools is available to meet customers' needs. Please find below some of the most used types:

### metal bond cup wheels


| Ø (External)   | Band  |
|--|---|
| 150 / 175 mm   |   |
|  | 36 segm. 30°<br>32 segm.<br>Z32 segm.<br>20 segm.<br>semi-segments<br>10 slots<br>continuous band |

### resin bond cup wheels

| Ø (External)  | Band   |
|---|--|
| 150 / 175 mm  |  |
|  | 16 slots<br>semi-segments<br>continuous band |



### Profiling wheels

| Ø (External)  | T X U P H |
|---|-----------|
|  |           |







CUTTING

## Saw blades



### Segmented blades for GRANITE, QUARZITE and ENGINEERED STONES

This Universal blade guarantees easy cutting and good finish on all bridge saws and mansories.

The indicative feed rates are: 2-5 m/min on 2 cm thick materials, 1,2-1,8 m/min on 3 cm thick materials or step cutting i.e. 3,5 m/min and 16 mm deep on hard materials

| Diameter | Real diameter | Core type | Segment size |       |      | Bore    | Spindle speed | Spec.   | Sysnr    |
|----------|---------------|-----------|--------------|-------|------|---------|---------------|---------|----------|
| 350mm    | 360mm         | Standard  | 40mm         | 3,2mm | 15mm | 60/50mm | 1500-1900 rpm | GT2-EVO | t.b.c.   |
|          |               | Silent    | 40mm         | 3,2mm | 15mm | 60/50mm | 1500-1900 rpm | GT2-EVO | 34506238 |
| 400mm    | 410mm         | Standard  | 40mm         | 3,2mm | 15mm | 60/50mm | 1300-1650 rpm | GT2-EVO | t.b.c.   |
|          |               | Silent    | 40mm         | 3,2mm | 15mm | 60/50mm | 1300-1650 rpm | GT2-EVO | 34506239 |
| 450mm    | 470mm         | Standard  | 40mm         | 3,6mm | 15mm | 60/50mm | 1150-1450 rpm | GT2-EVO | t.b.c.   |
|          |               | Silent    | 40mm         | 3,6mm | 15mm | 60/50mm | 1150-1450 rpm | GT2-EVO | 34506469 |
| 500mm    | 520mm         | Standard  | 40mm         | 3,6mm | 15mm | 60/50mm | 1050-1350 rpm | GT2-EVO | t.b.c.   |
|          |               | Silent    | 40mm         | 3,6mm | 15mm | 60/50mm | 1050-1350 rpm | GT2-EVO | 34506502 |

### Segmented blades for MARBLE and LIMESTONES

This blade guarantees easy cutting and good finish on low and high powered bridge saws and mansories. It's recommended for low and medium abrasive marble and limestone, working . Biancone, Botticino, Comblanchien, Jura, Nero Marquina, Rosso alicante, Rosso Verona, Galala, Marfil, Perlato and Trani are some of them. The blades with 10 mm high turbo shaped segments allow to increase the cutting quality and life time.

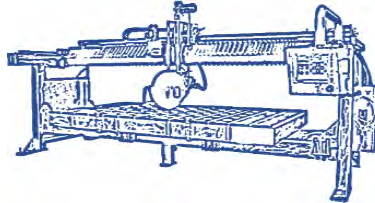
The indicative feed rate is 2-5 m/min in 1 pass or in 2 passes on hard materials.

| Diameter | Real diameter | Core type    | Segment size |       |      | Bore    | Spindle speed | Spec. | Sysnr    |
|----------|---------------|--------------|--------------|-------|------|---------|---------------|-------|----------|
| 300mm    | 304mm         | Standard     | 40mm         | 3,2mm | 7mm  | 60/50mm | 2550-3150 rpm | M0LCR | t.b.c.   |
|          |               | Silent       | 40mm         | 3,2mm | 7mm  | 60/50mm | 2550-3150 rpm | M0LCR | t.b.c.   |
| 350mm    | 354mm         | Standard     | 40mm         | 3,2mm | 7mm  | 60/50mm | 2200-2700 rpm | M0LCR | t.b.c.   |
|          |               | Silent       | 40mm         | 3,2mm | 7mm  | 60/50mm | 2200-2700 rpm | M0LCR | t.b.c.   |
|          | 360mm         | Silent Turbo | 42mm         | 3,2mm | 10mm | 60/50mm | 2200-2700 rpm | M0LCR | 34506233 |
| 400mm    | 404mm         | Standard     | 40mm         | 3,6mm | 7mm  | 60/50mm | 1900-2350 rpm | M0LCR | t.b.c.   |
|          |               | Silent       | 40mm         | 3,6mm | 7mm  | 60/50mm | 1900-2350 rpm | M0LCR | t.b.c.   |
|          | 410mm         | Silent Turbo | 42mm         | 3,6mm | 10mm | 60/50mm | 1900-2350 rpm | M0LCR | 34506264 |
| 450mm    | 454mm         | Standard     | 40mm         | 4,5mm | 7mm  | 60/50mm | 1700-2100 rpm | M0LCR | t.b.c.   |
|          |               | Silent       | 40mm         | 4,5mm | 7mm  | 60/50mm | 1700-2100 rpm | M0LCR | t.b.c.   |
|          | 460mm         | Silent Turbo | 42mm         | 4,0mm | 10mm | 60/50mm | 1700-2100 rpm | M0LCR | t.b.c.   |
| 500mm    | 504mm         | Standard     | 40mm         | 4,5mm | 7mm  | 60/50mm | 1550-1900 rpm | M0LCR | t.b.c.   |
|          |               | Silent       | 40mm         | 4,5mm | 7mm  | 60/50mm | 1550-1900 rpm | M0LCR | t.b.c.   |
|          | 510mm         | Silent Turbo | 42mm         | 4,0mm | 10mm | 60/50mm | 1550-1900 rpm | M0LCR | t.b.c.   |

## Bridge saw guideline for ceramic slabs saw-blade cutting

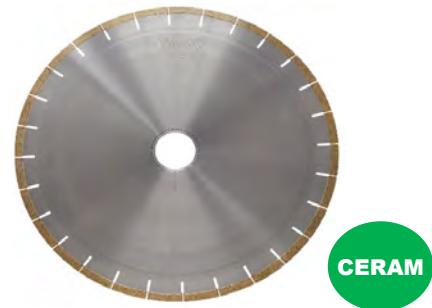
The machine table must be solid, flat and in good condition, without any residue or even small detritus. If possible it should be covered with a material like technical rubber to provide proper support for the slab and not damage the disc that has to cut through it. If the slab is not flat it is suggested to put a weight on it, as the material should be always in contact with the machine table.

Set the disc height 2mm more than the material thickness so to cut completely through the material. When cutting small pieces it is recommended to fix the material from the side. Make sure the disc cuts all the way out through the slab. The blade is auto-sharpening, anyway it is suggested to sharpen it regularly and also when changing material type.



The cutting saw blade must be selected according to the type of material and to the machine used. We recommend using machines with variable RPM and that allow changes in feed rate. Particularly for cutting 45° where a speed of less than 1m/min is recommended.

While working, there must be a constant and abundant stream of water directed to the front and sides of the blade, as close as possible to the working area.



### Segmented blades for TECHNICAL CERAMICS

This blade guarantees easy cutting and good finish also on low power machines working with high rpm (more than 36 - 40m/s). Recommended for SINGLE CUTTING UP TO 30mm and 45° cutting of any ceramic over-sized tile and slab. This saw blade makes low-noise cuts with standard steel core.

| Diameter | Core type | Segment height | Bore    | RPM       | Feed rate *   | Spec.   | Sysnr    |
|----------|-----------|----------------|---------|-----------|---------------|---------|----------|
| 350mm    | Standard  | 10mm           | 60/50mm | 1800-2000 | 0,8-1,4 m/min | CERAM-Y | 34478712 |
| 400mm    | Standard  | 10mm           | 60/50mm | 1600-1750 | 0,8-1,4 m/min | CERAM-Y | 34479020 |
| 450mm    | Standard  | 10mm           | 60/50mm | 1400-1550 | 0,8-1,4 m/min | CERAM-Y | t.b.c.   |
| 500mm    | Standard  | 10mm           | 60/50mm | 1300-1400 | 0,8-1,4 m/min | CERAM-Y | t.b.c.   |

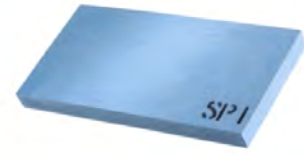
\* 40% reduction of the speed rate is always suggested when entering and exiting the material.

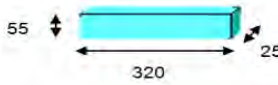
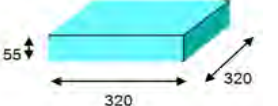
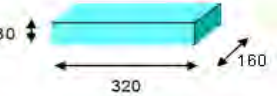
\* This value depends on thickness and type of material

\* For 45° cutting, the speed should be 40% less than during straight cutting



## Sharpening stones for saw blades



|   | Dimensions | Sysnr  |
|---|------------|--------|
|   | mm         |        |
|  | 55x25x320  | 497322 |
|  | 55x320x320 | 484672 |
|  | 160x30x320 | 484627 |

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|--------|--------|--------|----------|--------|--------|--------|--------|--------|--------|
| 51392  | 81     | 368107 | 33       | 386947 | 42     | 402866 | 35     | 465602 | 32     |
| 56895  | 79     | 368108 | 33       | 386948 | 42     | 402876 | 37     | 465603 | 32     |
| 67966  | 68     | 368109 | 33       | 386949 | 42     | 402877 | 37     | 465604 | 32     |
| 69766  | 81     | 368110 | 44       | 386955 | 44     | 402878 | 37     | 472213 | 73     |
| 69767  | 81     | 368111 | 44       | 386959 | 44, 52 | 402885 | 39, 40 | 472214 | 73     |
| 69768  | 81     | 368112 | 44       | 386961 | 44, 52 | 402886 | 39, 40 | 472215 | 73     |
| 69769  | 81     | 368113 | 45       | 386964 | 45     | 402887 | 39, 40 | 472216 | 73     |
| 69833  | 81     | 368114 | 45       | 386966 | 45     | 402888 | 41, 42 | 472217 | 73     |
| 69848  | 81     | 368115 | 45       | 386967 | 45     | 402889 | 41, 42 | 475638 | 70     |
| 69855  | 81     | 368116 | 46,47,48 | 393503 | 31     | 402890 | 41, 42 | 479553 | 64     |
| 69856  | 81     | 368117 | 46,47,48 | 393505 | 31     | 402891 | 43     | 479554 | 68     |
| 69860  | 81     | 368118 | 46,47,48 | 393506 | 31     | 402892 | 43     | 480093 | 14, 43 |
| 83585  | 79     | 374795 | 21       | 393820 | 26     | 402893 | 43     | 482625 | 56     |
| 89383  | 79     | 374796 | 21       | 393821 | 26     | 402894 | 43     | 482626 | 56, 57 |
| 189952 | 70     | 374798 | 21       | 393822 | 26     | 402895 | 43     | 482627 | 56, 57 |
| 189954 | 70     | 374799 | 25, 26   | 394184 | 70     | 402897 | 43     | 484102 | 65     |
| 242579 | 68     | 374800 | 25, 26   | 395799 | 46     | 403074 | 65     | 484627 | 93     |
| 285638 | 74     | 374801 | 25, 26   | 395800 | 46     | 403075 | 65     | 484672 | 93     |
| 288043 | 61     | 374802 | 30       | 395801 | 46     | 405245 | 38     | 486176 | 72     |
| 298086 | 71     | 374803 | 30       | 397235 | 27     | 405246 | 38, 52 | 486210 | 65     |
| 298087 | 71     | 374804 | 30       | 397237 | 27, 51 | 405247 | 38, 52 | 486211 | 63     |
| 298088 | 71     | 374805 | 29       | 397238 | 27, 51 | 410027 | 18, 19 | 486212 | 63     |
| 300554 | 85     | 374807 | 29       | 399591 | 15     | 410028 | 18, 19 | 486213 | 63     |
| 300555 | 85     | 374808 | 29       | 400033 | 70     | 410029 | 18, 19 | 486214 | 63     |
| 300592 | 85     | 374809 | 35       | 400035 | 70     | 410377 | 36     | 487091 | 29     |
| 301418 | 68     | 374810 | 35       | 400036 | 70     | 410378 | 36     | 487092 | 29     |
| 301421 | 75     | 374812 | 35       | 400038 | 61     | 410383 | 36     | 487093 | 29     |
| 301422 | 75     | 374813 | 43       | 400040 | 25     | 424846 | 79     | 487268 | 65     |
| 310980 | 79     | 374814 | 43       | 400041 | 25, 50 | 437424 | 74     | 490196 | 14     |
| 310992 | 79     | 374815 | 43       | 400042 | 25, 50 | 437428 | 74     | 491386 | 55     |
| 310993 | 79     | 374816 | 46       | 402813 | 18     | 440414 | 40     | 491390 | 55     |
| 310994 | 79     | 374817 | 46, 53   | 402814 | 18     | 440415 | 40     | 491392 | 55     |
| 310995 | 79     | 374819 | 46, 53   | 402815 | 18     | 440416 | 40     | 491425 | 56     |
| 314463 | 79     | 377591 | 75       | 402816 | 25     | 458773 | 24     | 491427 | 56     |
| 317307 | 79     | 377925 | 32       | 402817 | 25     | 458774 | 24     | 491429 | 56     |
| 318070 | 79     | 377926 | 32       | 402818 | 25     | 458775 | 24     | 491727 | 72     |
| 320074 | 79     | 377927 | 32       | 402819 | 27     | 459422 | 62     | 491742 | 46     |
| 320075 | 79     | 382678 | 31       | 402820 | 27     | 461476 | 24     | 491744 | 46     |
| 321211 | 79     | 382680 | 31       | 402821 | 27     | 461478 | 24     | 491747 | 46     |
| 326214 | 79     | 382683 | 31       | 402823 | 51     | 461480 | 24     | 492139 | 48     |
| 333774 | 74     | 386926 | 28       | 402824 | 51     | 462030 | 62     | 492140 | 48     |
| 336499 | 79     | 386927 | 28       | 402825 | 30     | 462035 | 62     | 492141 | 48     |
| 342092 | 72     | 386928 | 28       | 402828 | 30     | 462036 | 62     | 493583 | 65     |
| 356408 | 85     | 386929 | 33       | 402829 | 30     | 462133 | 61     | 495783 | 26     |
| 361731 | 74     | 386930 | 33       | 402830 | 31     | 462144 | 15     | 495784 | 26     |
| 362752 | 72     | 386931 | 33       | 402831 | 31     | 462189 | 69     | 495786 | 26     |
| 362903 | 60     | 386934 | 34       | 402832 | 31     | 462190 | 69     | 497322 | 93     |
| 364670 | 71     | 386936 | 34       | 402839 | 34     | 462191 | 69     | 497946 | 63     |
| 365852 | 61     | 386937 | 34       | 402840 | 34     | 462192 | 69     | 497948 | 63     |
| 368100 | 19, 20 | 386940 | 34       | 402841 | 34     | 462441 | 63     | 498579 | 41     |
| 368101 | 19, 20 | 386941 | 34       | 402848 | 35     | 462443 | 63     | 498581 | 41     |
| 368102 | 19, 20 | 386942 | 34       | 402850 | 35     | 462444 | 63     | 498583 | 41     |
| 368103 | 21     | 386943 | 41       | 402851 | 35     | 462445 | 63     | 500028 | 53     |
| 368104 | 21     | 386944 | 41       | 402864 | 35     | 462446 | 63     | 500030 | 53     |
| 368105 | 21     | 386945 | 41       | 402865 | 35     | 462448 | 63     | 512866 | 63     |

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| 512868 | 63   | 534058 | 32   | 537284 | 47   | 552133 | 35   | 658356   | 23     |
| 512873 | 63   | 534059 | 32   | 537285 | 47   | 552134 | 35   | 658357   | 23     |
| 512875 | 63   | 534060 | 32   | 537286 | 48   | 552135 | 35   | 658359   | 23     |
| 520007 | 45   | 534062 | 32   | 537287 | 48   | 553403 | 79   | 667137   | 29     |
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**I.G.P., INC**

**IGP TOOLS**

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**Fax 1-828-728-9613**

**VINCENT TOOLS**

**Phone 1-800-239-2902**  
**Fax 1-630-898-0245**

Effective date January 1<sup>st</sup>, 2022 supersedes all previous

**Applicability**

The sales conditions are applicable to all IGP's quotations, agreements, deliveries, and services.

**Payment Terms**

Payment is due to be made in accordance with the terms in effect from time to time as set forth in our acknowledgements and invoices.

**Pricing**

Prices are subject to change without prior notice.  
 Taxes apply extra.  
 Prices don't include freight.

**Required information for order placement**

To assure timely and accurate entry of orders, the following information (where known or applicable) must be provided when placing orders with I.G.P., Inc.

- Complete BILL TO and SHIP to information
- Purchase order number
- I.G.P., Inc item number (also referred as UPC, product, code, or system number)
- Quantity
- Special instructions
- Shipping
- Price (must include quotation and/or contract number)

Orders must be placed in written format via mail, e-mail or fax. The cut off time for same day shipments is 2 p.m. EST.

**Minimum charge**

A minimum order value of \$1,000.00 (net amount of invoice) is required. For orders under the minimum value a handling fee of \$15.00 will be charged to cover administrative and logistic costs.

**Special Tools**

Orders for special, customized tools can be processed only against a written PO accompanied by an approved and signed product drawing as provided by I.G.P., Inc.

**Cancellations**

Cancellation of orders will be accepted without charge, provided materials are not in process. Once the manufacturing process has been started, cancellation will be accepted upon payment of charges as follows:

| Order status                      | Cancellation charge             |
|-----------------------------------|---------------------------------|
| Not started                       | none                            |
| Started not in transit from plant | 50% of projected invoice amount |
| In transit from plant             | 80% of projected invoice amount |

All requests for cancellation should be directed to Customer Service and must be in writing

**Freight terms**

\*All orders will be shipped ex works I.G.P., Inc warehouse and transportation cost will be added to the customer's invoices. Shipments will be made by our normal method unless otherwise specified.

\*Special freight discounts may apply for invoices of \$7,000.00 net or more.

\*\*"Specials" ordered at the same time as stock items are considered a separate order and must meet the same criteria as stock orders.

\*For all deliveries shipped to locations different than the customer's primary shipping address, a drop-ship fee of \$15.00 will apply.

**Damaged Shipment**

In case of damage, we must receive within 24 hours a photo of the damaged shipment and a detailed report.

**Returns**

I.G.P., Inc will accept returns of products of its manufacture only. Prior to returning product contact I.G.P., Inc at 1-800-438-7542. I.G.P., Inc will provide a Return Material Authorization number (RMA). The RMA number is valid for 30 days and must be referenced on all paperwork and packages. Returns received by I.G.P., Inc which do not reference a RMA will be refused and shipped back at customer's expense.

Returns to standard stock will be accepted for RMAs using the following guidelines:

- Material has been purchased within 30 days (date of invoice).
- Material is in merchantable condition.
- Material is a current stock item.
- Material is returned freight prepaid.

\*Credit for standard stock returns will be issued at original purchased price less a 15% restocking charge. An invoice copy must accompany all returned goods.

\*All returned items are subject to inspection before replacement or credit can be issued. I.G.P., Inc as manufacturer reserves the right to repair or exchange the item instead of issuing a credit.

\*Special order items and used items are non-returnable.

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