

SETTING NEW  
STANDARDS



**HYPER  
GRINDER**

- ☒ **EASY TO HANDLE**
- ☒ **SUPERIOR FINISH**
- ☒ **HIGH PERFORMANCE  
ENERGY EFFICIENT**
- ☒ **MAXIMUM  
OPERATOR COMFORT**



# **HYPER ORBIT SANDER**

**The Professional Roto-Orbital Sander for Parquet Floors  
Uniform Finish. Less Effort. No Circular Marks.**

MADE IN ITALY

# HYPER ORBIT SANDER



**HYPER ORBIT SANDER** is the new **roto-orbital sander** specifically designed for the professional sanding and finishing of parquet and wooden floors.

Powerful, versatile, and easy to operate, it delivers outstanding performance on wood surfaces thanks to its high-frequency roto-orbital motion, ensuring smooth, **uniform sanding with exceptional precision and no swirl marks**. The specially engineered floating head automatically adapts to surface irregularities, enhancing operator comfort and providing excellent results even along edges and in hard-to-reach areas.

**The roto-orbital system minimizes vibrations and improves maneuverability**, allowing operators to work longer with less fatigue while maintaining maximum control and accuracy.

Thanks to its quick-release head system and compact yet robust frame, **Hyper Orbit Sander is easy to transport**, built for long-term reliability, and ideal for both intensive professional use and high-quality finishing applications.

## TECHNICAL DATA

| Code                                                                                                                                       | Model                        | Power Watt | Volt | Hertz | Speed rpm | Working Width mm | Dimensions (L x W x H mm) | Weight Kg | Handle Version |
|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------|------|-------|-----------|------------------|---------------------------|-----------|----------------|
| 399HGSANBASIC16A2                                                                                                                          | Hyper Orbit Sander Basic 16" | 1500       | 110  | 60    | 1400      | 410              | 490x696x1150              | 56        | Fixed          |
| 399HGSANBASIC16A2P                                                                                                                         | Hyper Orbit Sander Basic 16" | 1500       | 110  | 60    | 1400      | 410              | 490x696x1150              | 56        | Foldable       |
| 399HGSANBASIC16                                                                                                                            | Hyper Orbit Sander Basic 16" | 1500       | 220  | 50    | 1400      | 410              | 490x696x1150              | 56        | Fixed          |
| 399HGSANBASIC16P                                                                                                                           | Hyper Orbit Sander Basic 16" | 1500       | 220  | 50    | 1400      | 410              | 490x696x1150              | 56        | Foldable       |
| The BASIC version includes: • 4 Sanding Pad Interfaces Ø150 mm (HG1185401) • Elastic Dust Shroud (HG1196402) • Lower Weight Kit (HG170201) |                              |            |      |       |           |                  |                           |           |                |
| 398HGSANTOP16                                                                                                                              | Hyper Orbit Sander TOP 16"   | 1500       | 220  | 50    | 1400      | 410              | 490x696x1150              | 56        | Fixed          |
| 398HGSANTOP16A2                                                                                                                            | Hyper Orbit Sander TOP 16"   | 1500       | 110  | 60    | 1400      | 410              | 490x696x1150              | 56        | Fixed          |
| 398HGSANTOP16A2P                                                                                                                           | Hyper Orbit Sander TOP 16"   | 1500       | 110  | 60    | 1400      | 410              | 490x696x1150              | 56        | Foldable       |
| 398HGSANTOP16P                                                                                                                             | Hyper Orbit Sander TOP 16"   | 1500       | 220  | 50    | 1400      | 410              | 490x696x1150              | 56        | Foldable       |

The TOP version includes: • Dust Extraction Kit (HG186901) • 4 Sanding Pad Interfaces Ø150 mm (HG1185401) • Elastic Dust Shroud (HG1196402) • Lower Weight Kit (HG170201)

# HYPER ORBIT SANDER

## POWERFUL, VERSATILE AND EASY TO USE

Powerful, versatile and easy to maneuver, **Hyper Orbit Sander** is designed to achieve flawless professional finishes while minimizing effort, reducing operating costs and increasing productivity. The ideal solution for everything from routine maintenance to the most demanding parquet restoration applications.



**With the wheels raised**, the machine operates in direct contact with the surface, ensuring a uniform application of oils and delivering outstanding results in finishing, maintenance and restoration applications.



**Hyper Orbit Sander** can be equipped with a practical **on-board stainless steel vacuum unit**, integrated directly into the machine, to ensure virtually **dust-free sanding operations** and a **cleaner, safer working environment**.



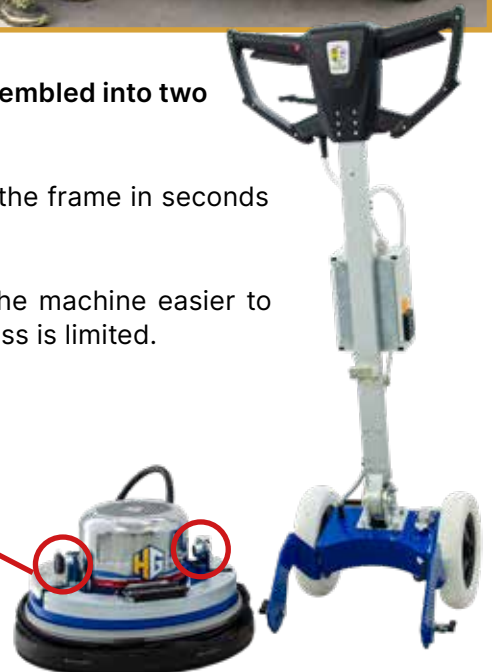
Designed with mobility in mind, **Hyper Orbit Sander** can be quickly disassembled into two **compact sections** for effortless transport and storage.

**The quick-release system** allows the sanding head to be detached from the frame in seconds by removing the locking pins and unplugging the electrical connector.

This practical solution reduces weight and overall dimensions, making the machine easier to carry, load into vehicles and transport between job sites, even where access is limited.



QUICK-RELEASE SYSTEM



# KEY BENEFITS



The folding handle can be lowered to 90°, significantly reducing the machine's footprint and making transport and storage easier, even in compact vehicles.  
*(Available on the folding-handle version only.)*



Micrometric handle adjustment piston for precise positioning and maximum operator comfort. Unlike traditional ratchet-adjusted handles, the micrometric adjustment system allows the handle to be set exactly to the operator's preferred working height, improving ergonomics, reducing fatigue and ensuring smoother, more efficient operation throughout the working day.  
*(Available on the folding-handle version only.)*



Elastic dust shroud with integrated bristles, manufactured from durable, wear-resistant fabric to ensure optimal surface contact. Designed to maximize dust containment during operation, it helps maintain a cleaner, safer and virtually dust-free working environment.



Hyper Orbit Sander can be equipped with an optional 13 kg weight kit to increase sanding pressure and enhance performance on demanding applications. The machine features dedicated mounting points that allow the weights to be securely attached, while still enabling the lifting handles to be reinstalled, ensuring maximum practicality, balance and ease of handling.



Handle tube made from 2 mm thick structural steel profile, engineered for maximum strength, durability and long-term reliability. Its robust construction ensures excellent stability during operation, even under intensive professional use.  
*(Available on the folding-handle version only.)*



*Handle tube made from 2 mm thick extruded aluminium profile, combining strength and lightweight construction for excellent maneuverability and long-lasting reliability.*  
*(Available on the fixed-handle version only.)*



Integrated Schuko socket as standard, conveniently positioned for the operator. Allows the connection of dedicated accessories such as the on-board vacuum unit or LED work light.



**A) Wheels Lowered (Sander Mode)**  
For aggressive sanding applications with maximum control and minimal effort.

**B) Wheels Raised (Single-Disc Mode)**  
For greater maneuverability and increased working pressure during finishing and surface treatment operations.



The vacuum hose is positioned along the upper section of the handle, keeping it clear of the operator's movements during sanding. The suction inlet is integrated into the aluminium base for improved convenience, efficiency and dust collection performance.



**Lighting Kit (optional):**  
Directional LED work light kit with magnetic mounting bracket for improved visibility in low-light areas and along edges.



**Large non-marking white wheels** with a closed-cell construction to prevent deformation.  $\varnothing 300$  mm diameter for smooth movement, stability and easy handling on all surfaces.



**Dual foldable lifting handles:** positioned on the upper section of the base, they make lifting, carrying and transporting the Hyper Orbit Sander easier and more convenient.



**Handle housing** made from reinforced ABS, with an additional internal metal reinforcement for increased strength, durability and long-term reliability.



The ergonomic handle is designed with a specific angle to reduce wrist fatigue, even during prolonged use. Its innovative closed-grip design provides enhanced hand protection against accidental impacts, while the integrated safety switch prevents unintended start-up for safer operation.

# HYPER ORBIT SANDER

## ADVANCED ROTO-ORBITAL TECHNOLOGY FOR PARQUET AND WOOD FLOORS



### SPEED

Sands and restores parquet floors faster, reducing working time and increasing productivity.



### EFFORTLESS OPERATION

Smooth and balanced movement for easy handling, greater control and maximum operator comfort.



### EFFECTIVENESS

Maximum performance on all types of parquet flooring, even in the most demanding sanding and restoration applications.



### ENERGY SAVING

Reduces friction with the surface without compromising performance, ensuring lower power consumption and greater efficiency.

1

### ROTATION

The drive plate rotates rapidly around its own axis, driving the three Ø140 mm or Ø150 mm abrasive discs, or the Ø406 mm sanding disc.

2

### ORBITAL MOTION

The drive plate performs an orbital movement with a wide stroke. Combined with rotation, it generates micro-vortices.

3

### MICRO-VORTICES

Micro-vortices maximize sanding performance and eliminate circular marks. At the same time, they help channel parquet dust toward the vacuum system.

4

### RESULT

The surface is worked evenly and in depth, delivering a smooth, natural finish without halos, swirl marks or sanding traces.



### DEEP SANDING, PERFECT FINISH

No scratches. No swirl marks. No chemicals. Just the power of roto-orbital technology.

### UNIFORM SANDING

Consistent, even sanding across the entire surface, with no circular marks.

### ENHANCES THE BEAUTY OF PARQUET

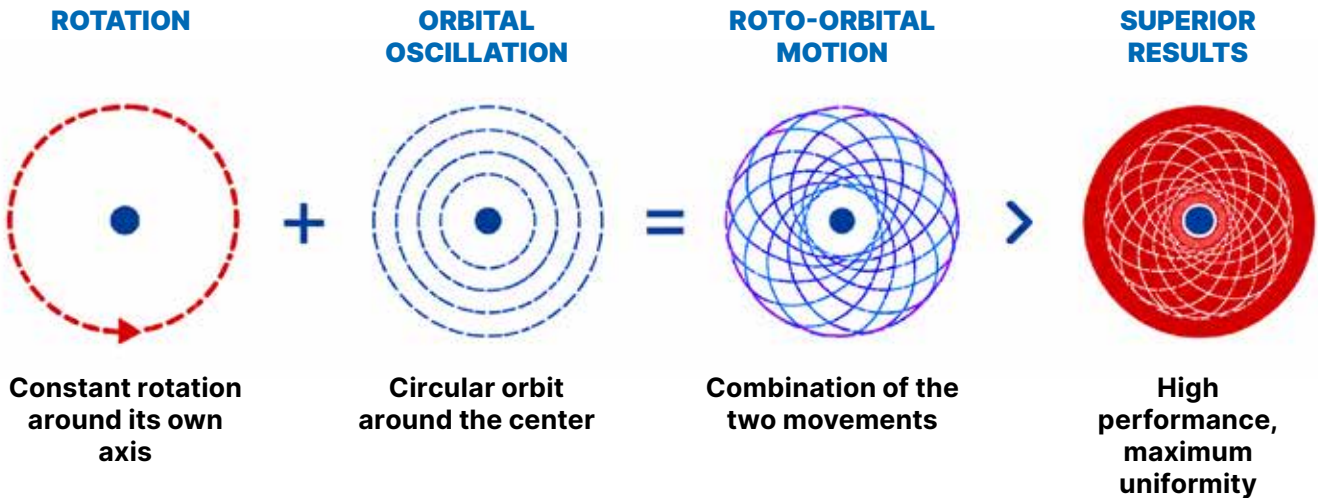
Delivers a smooth, uniform and natural-looking surface.

### PROTECTS THE WOOD

Preserves the quality and longevity of parquet flooring through a purely mechanical process, without the use of chemicals.

# ROTO-ORBITAL MOTION

Hyper Orbit combines two mechanical movements: **orbital** and **rotational**.  
This technology delivers fast, effective and effortless sanding.

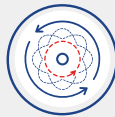


Hyper Orbit Sander combines two mechanical movements: **orbital** and **rotational**, a technology specifically designed for the professional sanding, restoration and finishing of parquet and wooden floors.

Its high-frequency roto-orbital motion ensures smooth, controlled and uniform sanding, reducing the risk of swirl marks while delivering a consistent finish, even on delicate surfaces. The combination of the two movements allows the abrasive to work more efficiently, improving the quality of the finish and extending the life of consumables. Even in demanding applications such as the removal of old coatings, wax stripping, micro-sanding and surface preparation prior to finishing, Hyper Orbit Sander makes the job easier, more precise and less tiring for the operator.

The roto-orbital system reduces friction between the abrasive and the surface, improving machine glide, minimizing vibration and lowering power consumption without compromising performance. **The result is an exceptionally stable, maneuverable and efficient machine**, ideal for achieving professional finishes and enhancing the natural beauty of every wood floor.

## ADVANTAGES



### DUAL MOTION

Rotation + orbital movement for maximum sanding efficiency.



### UNIFORM SANDING

Eliminates the circular marks typically left by traditional single-disc machines.



### REDUCED FRICTION

Optimized glide, greater control and less effort.



### LESS VIBRATION

Greater operator comfort, smoother operation and reduced fatigue.



### ENERGY SAVING

High efficiency, low power consumption and reduced energy use without compromising performance.

# HYPER ORBIT SANDER



# TECHNICAL FEATURES

ERGONOMIC CLOSED HANDLE  
FOR SAFER AND MORE  
COMFORTABLE OPERATION

FOLDS DOWN TO 90° FOR REDUCED  
STORAGE AND TRANSPORT SPACE.  
AVAILABLE ON THE FOLDING-HANDLE  
VERSION ONLY.

OPTIONAL ON-BOARD  
VACUUM SYSTEM

NON-MARKING  
RUBBER WHEELS

HEAD LOCKING  
SYSTEM

OPTIONAL EXTRA  
WEIGHT KIT



90° TILTING HEAD FOR QUICK  
AND EASY TOOL CHANGES.  
AVAILABLE ON BOTH FIXED-  
HANDLE AND FOLDING-HANDLE  
VERSIONS.

LOW-PROFILE 93.5 MM BASE  
EASY ACCESS UNDER  
FURNITURE AND RADIATORS

## MAIN ACCESSORIES

### ON-BOARD VACUUM KIT

Practical on-board vacuum kit, quickly mounted on the machine handle. Innovative design, max. 1400 W motor, HEPA filter and 20 L dust container. Quick-release system for fast emptying and compatible with disposable collection bags.



|          |                                                                                            |
|----------|--------------------------------------------------------------------------------------------|
| AP5701   | Stainless steel vacuum kit with support frame and flexible hose for fixed-handle version   |
| HG186901 | Stainless steel vacuum kit with support frame and flexible hose for folding-handle version |

### 220V LED LIGHT

Powerful led spotlight with magnetic attachment for working precisely and safely in poorly lit environments.



|          |          |
|----------|----------|
| HG165101 | Led 220V |
|----------|----------|

### UPPER WEIGHT KIT

Hyper Orbit Sander 16" can be equipped with an additional weight kit up to 13 kg, increasing working pressure for more demanding sanding applications.



|          |                  |
|----------|------------------|
| HG198001 | Upper weight kit |
|----------|------------------|

### VACUUM HOOD

Dust shroud kit made of elastic fabric with bristles. It ensures perfect adhesion to the surface and allows you to work in a completely dust-free environment.



|           |                  |
|-----------|------------------|
| HG1169402 | Vacuum hood      |
| HG1220801 | Tall Vacuum hood |

### WHEEL COVERS

100% nylon resin-coated wheel covers designed to protect the wheels during oiling and waxing applications, preventing unwanted marks on the floor surface.



|            |                                      |
|------------|--------------------------------------|
| HGCOVERKIT | Resin-coated wheel cover kit – 2 pcs |
|------------|--------------------------------------|



## Ø150MM ACCESSORIES

Ø 150mm



### VELCRO INTERFACE Ø6"/150MM

10mm soft mousse interface with male/female velcro faces. Ideal for carrying out effective but delicate work on wooden surfaces.

HG1185401

Velcro interface

Ø6"/150mm



Ø 150mm



### PREMIUM CERAMIC VELCRO-BACKED PAPER DISC - Ø6"/150MM

Designed for **heavy-duty sanding and rough grinding** on particularly demanding surfaces such as **hardwoods, parquet, engineered wood floors, and surfaces with aluminum oxide finishes**. The extremely sharp **ceramic alumina grain** ensures **fast and effective material removal** while maintaining a **uniform and clean scratch pattern**.

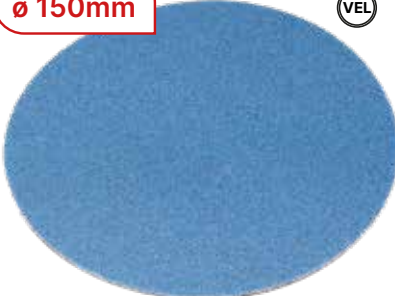
The **ultra-durable paper backing** provides excellent strength even during aggressive operations, minimizing tearing and breakage. The **hook-and-loop fastening system** allows quick and easy disc changes, optimizing working time. **Color stability** eliminates the risk of color transfer onto the worked surface.

#### KEY FEATURES:

- **Abrasive grain:** High-performance ceramic alumina, offering high cutting efficiency and long service life.
- **Backing:** Ultra-durable paper, highly resistant to tearing and wear.
- **Attachment:** Hook-and-loop system for fast and secure disc changes.
- **Ideal applications:** Sanding of hardwood floors, parquet, multi-species wood surfaces, and aluminum oxide finishes.
- **Performance:** Aggressive stock removal with a uniform finish and controlled scratch pattern.

|             |                                          |           |     |
|-------------|------------------------------------------|-----------|-----|
| 150036CPVEL | Premium ceramic velcro-backed paper disc | Ø6"/150mm | #36 |
| 150050CPVEL | Premium ceramic velcro-backed paper disc | Ø6"/150mm | #50 |

Ø 150mm



### VELCRO-BACKED CLOTH DISC IN ZIRCONIUM OXIDE - Ø6"/150MM

Professional hook-and-loop abrasive cloth discs made with high-quality abrasive grain, designed to ensure high productivity and long service life.

**Application:** Ideal for sanding and finishing raw parquet, delivering a uniform result even on large surfaces.

**Fast, "cool" cutting** for high performance without overheating the surface.

Effective on wide areas and also suitable for removing old paint and light oxidation.

**Heavy cotton backing** provides excellent resistance to tearing and stress during intensive use.

**Hook-and-loop fastening system** allows quick and secure disc installation and removal.

#### KEY FEATURES:

- **Abrasive:** High-quality abrasive grain for fast, consistent cutting.
- **Backing:** Heavy cotton cloth, highly tear-resistant.
- **Attachment system:** Hook-and-loop for quick and easy disc changes.
- **Applications:** Sanding and finishing raw parquet.

|              |                                             |           |      |
|--------------|---------------------------------------------|-----------|------|
| 150060TVELZX | Velcro-backed cloth disc in zirconium oxide | Ø6"/150mm | #60  |
| 150080TVELZX | Velcro-backed cloth disc in zirconium oxide | Ø6"/150mm | #80  |
| 150100TVELZX | Velcro-backed cloth disc in zirconium oxide | Ø6"/150mm | #100 |

## Ø140MM ACCESSORIES

Ø 140mm

VEL



### VELCRO INTERFACE Ø5,5"/140MM

10mm soft mousse interface with male/female velcro faces. Ideal for carrying out effective but delicate work on wooden surfaces.

|           |                  |             |
|-----------|------------------|-------------|
| HG1185201 | Velcro interface | Ø5,5"/140mm |
|-----------|------------------|-------------|

Ø 140mm



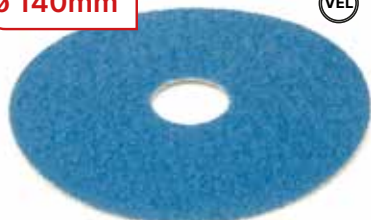
### MESH DISC

For precise and uniform sanding results. Compatible for use with planetarium or with single disc machine. Thanks to the mesh structure the dust is removed from the sanding surface in an optimal way. The work takes place practically in the absence of dust. The sanding surface remains visible throughout the entire process.

|              |                       |             |      |
|--------------|-----------------------|-------------|------|
| HG140080RVEL | Mesh disc (box 30pcs) | Ø5,5"/140mm | #80  |
| HG140120RVEL | Mesh disc (box 30pcs) | Ø5,5"/140mm | #120 |
| HG140240RVEL | Mesh disc (box 30pcs) | Ø5,5"/140mm | #240 |

Ø 140mm

VEL



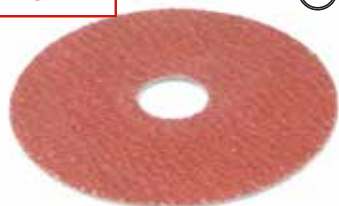
### ZIRCONIUM SANDPAPER - Ø5,5"/140MM WITH VELCRO

Highly flexible paper for working on wood. The complete range of granulometry allows any sanding work to be carried out universally, from coarse removal to fine sanding. • Maximum resistance to tearing and working pressure. • High removal performance. • Suitable for wood and metal working. • With internal hole. • Long duration of use. • The high quality velcro guarantees perfect adherence to the pad holder.

|          |                        |             |      |
|----------|------------------------|-------------|------|
| HG140024 | Sandpaper (box 30 pcs) | Ø5,5"/140mm | #24  |
| HG140036 | Sandpaper (box 30 pcs) | Ø5,5"/140mm | #36  |
| HG140060 | Sandpaper (box 30 pcs) | Ø5,5"/140mm | #60  |
| HG140080 | Sandpaper (box 30 pcs) | Ø5,5"/140mm | #80  |
| HG400100 | Sandpaper (box 30 pcs) | Ø5,5"/140mm | #100 |

Ø 140mm

VEL



### CERAMIC SAND PAPER - Ø5,5"/140MM WITH VELCRO

High quality ceramic abrasive for extreme sanding performance. The ceramic formula ensures that new sanding blade are constantly created during sanding. • High flexibility for working with planetary sanding machines. • High removal capacity. • Extremely long duration of use. • High performance and durability. • Excellent for wood and hardwood. • With internal hole. • Robustness, resistance and solidity on the edges. • The high quality velcro guarantees perfect adherence to the pad holder.

|           |                                |             |     |
|-----------|--------------------------------|-------------|-----|
| HG140036C | Ceramic sandpaper (box 30 pcs) | Ø5,5"/140mm | #36 |
| HG140050C | Ceramic sandpaper (box 30 pcs) | Ø5,5"/140mm | #50 |



## SERIE PETALCUT - Ø16"/406MM

**PETAL CUT floor pads** are an innovative solution for **sanding between one coat of finish and the next**, minimizing the risk of **unwanted scratches and swirl marks**. The **foam structure with multi-grit abrasive** (medium, fine, and very fine) allows **effective surface leveling and preparation**, ensuring **optimal adhesion of the subsequent finish**.

The **foam backing provides controlled, superficial abrasion** without penetrating deeply into the finish layer, resulting in a **smoother and more uniform surface**. PETAL CUT pads are **strong and durable**, designed to deliver **long service life** and, thanks to their specific design, **significantly reduce the risk of cutting through the finish layer**.

### KEY FEATURES:

- **Special design:** Reduces clogging and overheating, increasing product life and finish quality.
- **Multi-grit set:** Medium, fine, and very fine pads to suit different stages of the process.
- **Foam backing:** Ensures controlled and uniform abrasion.
- **High durability:** Excellent tear resistance and long operational life.
- **Reduced scratches and swirl marks:** Ideal for wood floors and other finished surfaces.

|           |                 |            |           |
|-----------|-----------------|------------|-----------|
| PCR406ST2 | Petalcut Red    | Ø16"/410mm | # 120-150 |
| PCG406FN3 | Petalcut Yellow | Ø16"/410mm | # 150-180 |
| PCV406EF4 | Petalcut Green  | Ø16"/410mm | # 220     |

## VELCRO-BACKED ABRASIVE MESH DISCS WITH SILICON CARBIDE Ø16"/406MM

**Fine-grit abrasive disc** designed for **sanding and surface preparation of hardwood floors and concrete**, offering **high cutting efficiency** and **excellent resistance to clogging**.

The **sharp P-graded silicon carbide grain**, combined with an **open mesh structure**, ensures **clean, uniform, and long-lasting sanding**. It is also ideal for removing limescale, rust, and corrosion without debris build-up.

The disc is **waterproof and washable**; it can be **rinsed and reused** multiple times, providing a **longer service life** compared to traditional paper or cloth discs.

### KEY FEATURES:

- **Abrasive:** P-graded silicon carbide for efficient, consistent cutting with reduced clogging.
- **Structure:** Open abrasive mesh for uniform and durable sanding performance.
- **Performance:** High material removal with minimal residue accumulation.
- **Reusable:** Waterproof, washable, and reusable for extended service life.
- **Ideal applications:** Sanding of hardwood floors and concrete surfaces; removal of rust and corrosion.

|             |                                          |            |      |
|-------------|------------------------------------------|------------|------|
| 406080RSVEL | Abrasive mesh discs with Silicon Carbide | Ø16"/406mm | #80  |
| 406120RSVEL | Abrasive mesh discs with Silicon Carbide | Ø16"/406mm | #120 |
| 406220RSVEL | Abrasive mesh discs with Silicon Carbide | Ø16"/406mm | #220 |
| 406320RSVEL | Abrasive mesh discs with Silicon Carbide | Ø16"/406mm | #320 |

## ABRASIVE PADS

### WHITE PAD Ø16"/406MM

Ideal for polishing, restoration and the application of chemical treatments on parquet and wood floors.

30161

White Pad 16"

### GREEN PAD Ø16"/406MM

For cleaning PVC and linoleum floors.

30162

Green Pad 16"

### BLACK PAD Ø16"/406MM

For deep cleaning on hard floor surfaces.

30163

Black Pad 16"

### RED PAD Ø16"/406MM

As a backing pad for Mesh Discs and spray cleaning applications.

30165

Red Pad 16"

### MICROFIBER PAD Ø17"/430MM

deal for cleaning, maintenance and the uniform application of oils and waxes, ensuring consistent results and a high-quality finish.

DM04230

Microfiber Pad 17"



Build the **HYPER ORBIT SANDER**  
that's right for your job!



Contact **HG HYPER GRINDER** to find the ideal  
configuration, accessories and abrasives for your  
specific application.



# DOWNLOAD THE APP



## SETTING NEW STANDARDS



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