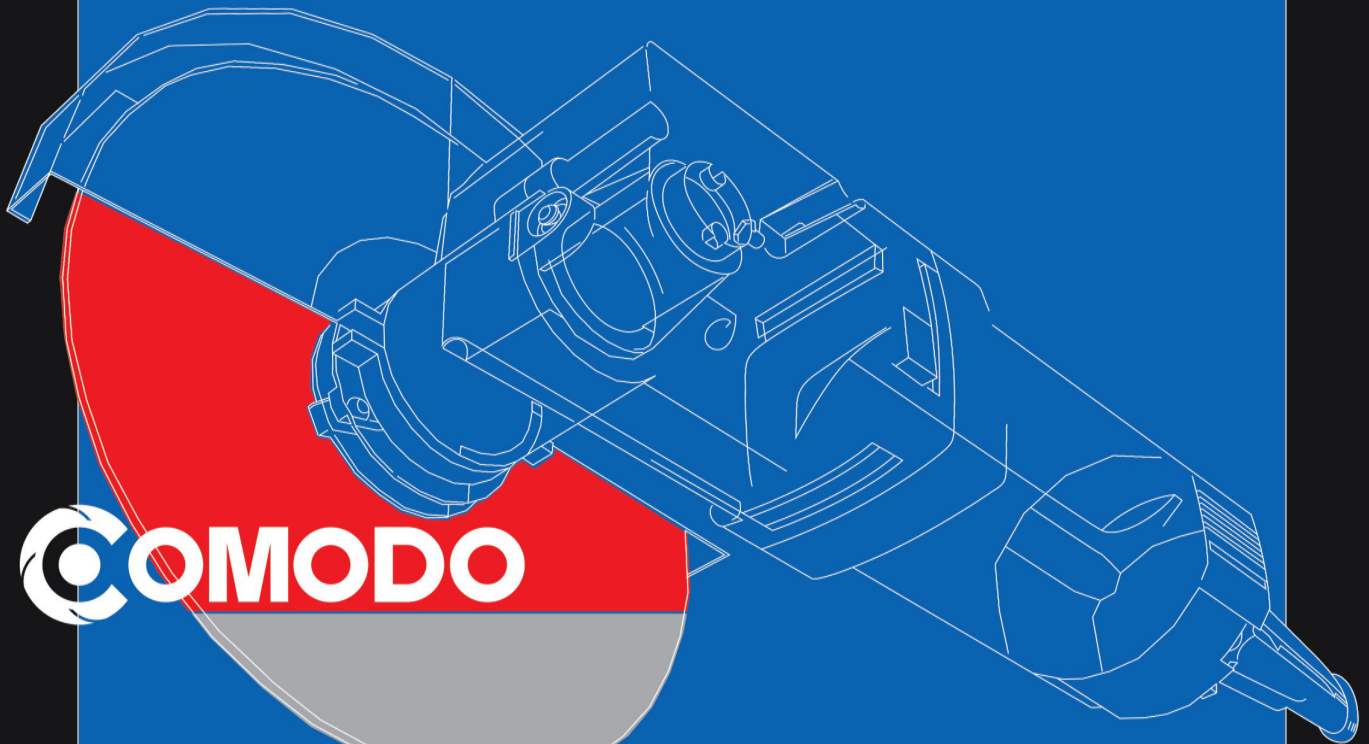


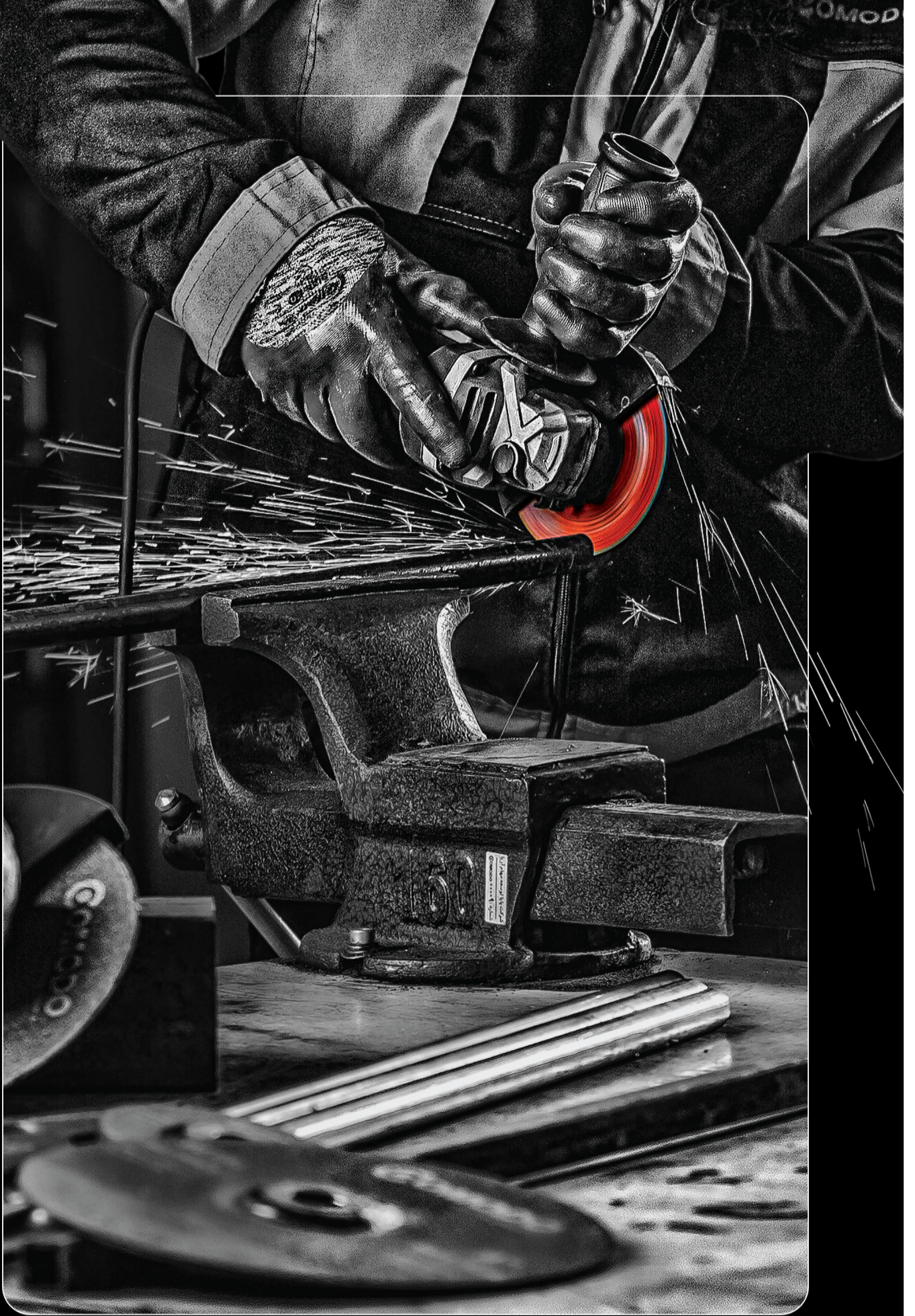
COMODO



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Comodo Cutting and Grinding Discs 2022



Comodo cutting and grinding discs provide an effective function for angle grinding and cut-off saw in enclosed spaces. Comodo product diversity is appropriate for cutting, grinding and finishing various materials in the industrial markets.

Our Products

- Cutting discs - Stainless Steel
- Mini Cutting Discs - Stainless Steel
- Cutting Disc - Metal
- Mini Cutting Disc - Metal
- Grinding Disc
- Mini Grinding Disc
- Cutting Disc - Stone
- Mini Cutting Disc - Stone
- Cutting Discs - Rail

About Comodo

Comodo, one of the subsidiaries of Vispar Co., has been active since 2020 in the abrasive industry manufacturing cutting discs at Bu-Ali Industrial Park, Hamedan.

Comodo offers a wide portfolio of grinding and cutting solutions for all markets, materials, and applications with the most advanced and affordable technology.

We're constantly looking for ways to improve your working conditions and simplify the job by eliminating dust or noise, reducing total costs by increasing the number of parts you can finish in an abrasive application, and considering the ergonomics of the application to improve worker comfort.

Quality is our priority, thanks to our highly qualified employees and expertise, the latest production line and well-equipped mechanical-testing and chemical-testing labs, we produce our products according to the EN12413 standard, the safety requirements for abrasive products, Quality Management System (QMS), ISO14001: 2015, ISO45001:2018 and ISO9001: 2015.



ويسپار
VISPAR



About Vispar Industrial Group

Vispar industrial group is an international industrial manufacturer and business enterprise that consists of the parent company, Vispar Group Company, and more than 6 subsidiaries.

Vispar Industrial Group Brands

ويسپار
VISPAR



Vispar, irrigation equipment, thermoplastic valves, and fittings manufacturer

یونی فوم

Unifoam, manufacturer of foamed PVC sheets



Mactap, business accelerator in polymer fields

Atman

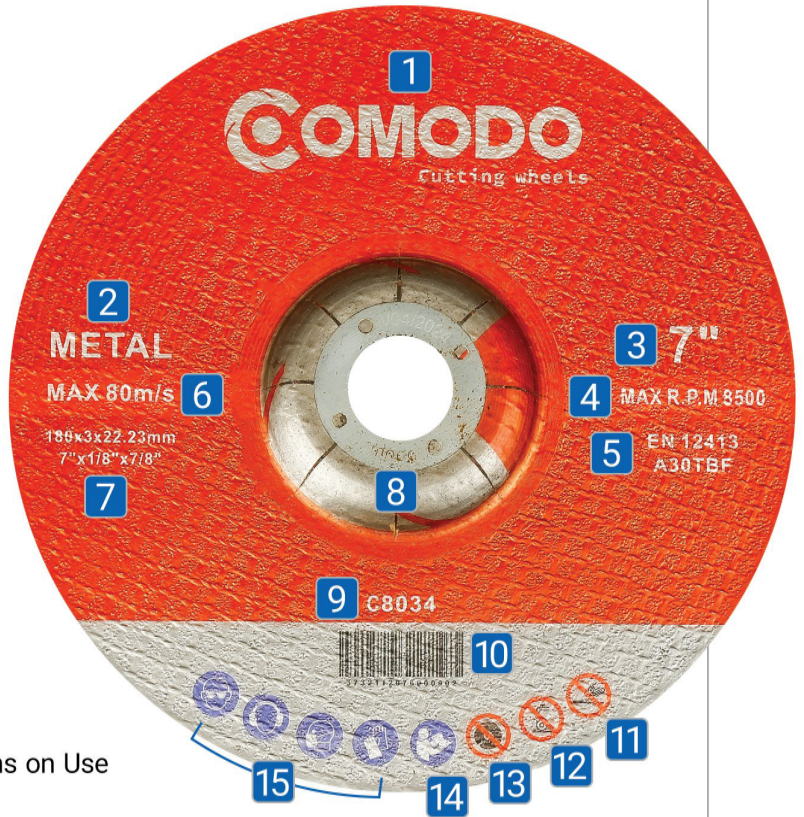
Atman, raw material supplier & engineering solutions in the polymer industry

Universil

Universil, manufacturer of raw materials for the rubber industry

UNDERSTANDING THE PRODUCT

- 1 Commercial Brand
- 2 Application Material
- 3 Disc Diameter (inches)
- 4 Maximum Rotation Speed (rpm)
- 5 Application Material
- 6 Maximum Peripheral Speed
- 7 Diameter * Thickness * Hole
- 8 Expiry Date (on the ring)
- 9 Product Code
- 10 Product Barcode
- 11 / 15 Safety Signs and Restrictions on Use



PRODUCT SELECTION GUIDE



Comodo Products	Steel Cutting Disc	Mini Steel Cutting Disc	Metal Cutting Disc	Mini Metal Cutting Disc	Grinding Wheel	Mini Grinding Wheel	Stone Cutting Disc	Mini Stone Cutting Disc	230 Metal Cutting Disc	Rail Cutting Disc
Materials										
Steel / Stainless Steel and all kinds of Alloys										
Thin Sheets, Plates, Titanium										
Building Materials										
Iron and Steel Profiles										

COMODO
STEEL & METAL

COMODO CUTTING DISC FOR STAINLESS STEEL & METAL

Product Introduction

Comodo 180 - Stainless Steel Cutting Disc



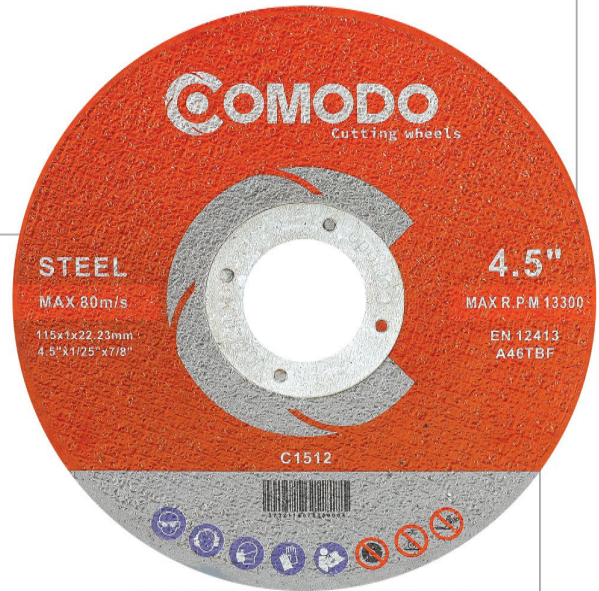
COMODO		Type	Size (mm)	Max rpm	PK QTY
Cutting Disc	180 - Stainless Steel		180 x 1.6 x 22.23	8500	200
Product Code			C8022		

- Cutting performance taken to a new level in comfort, life and speed
- For precision, speed and the most accurate cut with reduced vibration
- levels, helping you to cut more comfortably for longer
- 1,6mm for absolute stability and longest life
- Delivers best in class performance on steel and stainless steel



Product Introduction

Comodo 115 - Stainless Steel Cutting Disc



COMODO		Type	Size (mm)	Max rpm	PK QTY
Cutting Disc	115 - Stainless Steel		115 x 1 x 22.23	13300 rpm	400
Product Code			C1512		

- Cutting performance taken to a new level in comfort, life and speed
- For precision, speed and the most accurate cut with reduced vibration levels, helping you to cut more comfortably for longer
- 1 mm Thickness is ideal for pipe cutting
- Ceramic grains give this wheel its unique character. 1,0 mm for ultimate speed and comfort.
- Delivers best in class performance on steel and stainless steel



Product Introduction

Comodo 180 - Metal Cutting Disc



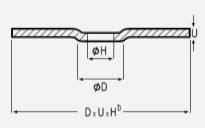
COMODO		Type	Size (mm)	Max rpm	PK QTY
Cutting Disc	180 - Metal		180 x 3 x 22.23	8500	100
Product Code			C8034		

- Ideal for light grinding on thin walled work pieces
- Combines speed and precision in grinding, deburring and bevelling
- At 3mm thickness, less energy is needed to power up and use the wheel
- Boost the amperage on cordless grinders due to light weight / fast cutting
- Self-sharpening ceramic grain technology for fast material removal resulting in less grinding time

Product Introduction

COMODO 115 - METAL CUTTING DISC



COMODO		Type	Size (mm)	Max rpm	PK QTY
Cutting disc	115 - Metal		115x 3 x 22.23	13300	200
Product Code			G1564		

- Ideal for light grinding on thin walled work pieces
- Combines speed and precision in grinding, deburring and bevelling
- At 3mm thickness, less energy is needed to power up and use the wheel
- Boost the amperage on cordless
- grinders due to light weight / fast cutting
- Self-sharpening ceramic grain technology for fast material removal resulting in less grinding time



Product Introduction

Comodo 230 - Metal Cutting Disc



COMODO		Type	Size (mm)	Max rpm	PK QTY
Cutting Disc	230 - Metal		230x 3 x 22.23	6650	50
Product Code			C3034		

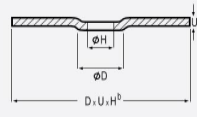
- Greater wheel thickness for a more robust cut
- Ceramic grain provides a fast, sharp cut time and time again
- Incomparable speed in rough cutting applications on black steel
- Ideal for large steel projects, shipyards, steel, construction and general engineering

COMODO GRINDING WHEELS

Product Introduction

Comodo 180 - Metal Grinding Wheel



COMODO		Type	Size (mm)	Max rpm	PK QTY
Grinding Wheel	180 - Metal		180 x 6 x 22.23	8500	50
Product Code			G8064		

- Optimised wheel for use on high frequency machines under high pressure, extra safe in all working conditions
- Self sharpening ceramic grain technology for high material removal and less grinding time
- More comfortable to use with reduced hand fatigue from less cutting vibration
- Longer wheel life means less downtime and waste, fewer wheels needed



Product Introduction

Comodo 115 - Metal Grinding Wheel



COMODO		Type	Size (mm)	Max rpm	PK QTY
Grinding Wheel	115 - Metal		115 x 6 x 22.23	13300	50

Product Code

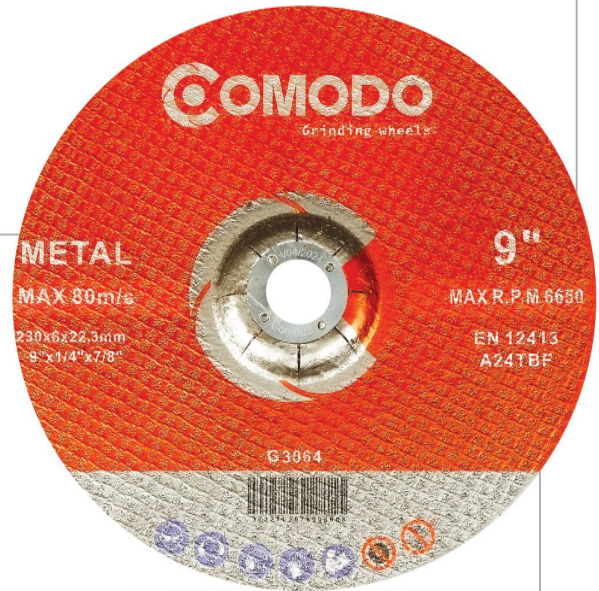
G1564

- Self sharpening ceramic grain technology for high material removal and less grinding time
- More comfortable to use with reduced hand fatigue from less cutting vibration
- Longer wheel life means less downtime and waste, fewer wheels needed
- Offers true savings in grinding processes



Product Introduction

Comodo 230 - Metal Grinding Wheel



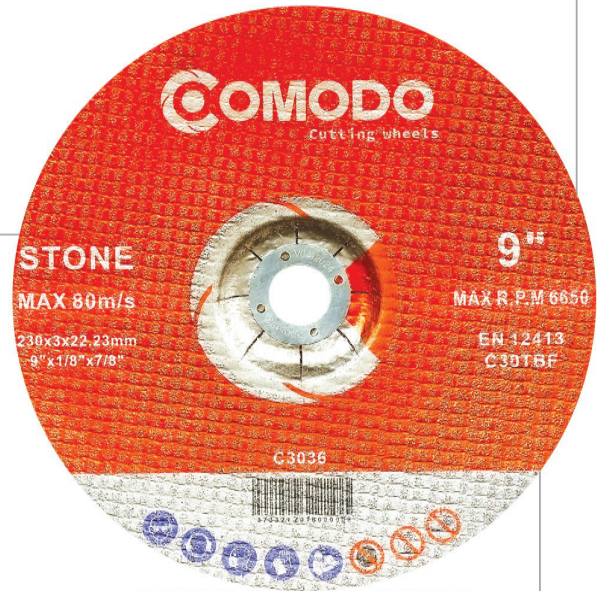
COMODO		Type	Size (mm)	Max rpm	PK QTY
Grinding Wheel	230 - Metal		230 x 6 x 22.23	6650	25
Product Code			G3064		

- Self sharpening ceramic grain technology for high material removal and less grinding time
- More comfortable to use with reduced hand fatigue from less cutting vibration
- Longer wheel life means less downtime and waste, fewer wheels needed
- Offers true savings in grinding processes

COMODO CUTTING DISCS FOR MASONRY

Product Introduction

Comodo 230 - Stone Cutting Disc



COMODO		Type	Size (mm)	Max rpm	PK QTY
Cutting Disc	230 - Stone		230 x 3 x 22.23	6650	50
Product Code			C3036		

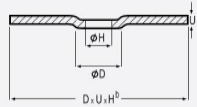
- Silicon Carbide
- For cutting masonry, concrete, stone, ceramics, marble, and non-ferrous metals.
- Suitable for cutting artificial and natural rocks such as marble, brick, concrete, tile, shingle, curbstone.
- Featuring silicon carbide mixture abrasive grains and a hard structure, the product offers long
- Life span and advantage of convenient cutting



Product Introduction

Comodo 180 - Stone Cutting Disc



COMODO		Type	Size (mm)	Max rpm	PK QTY
Cutting Disc	180 - Stone		180 x 3 x 22.23	8500	100
Product Code			C8036		

- Silicon Carbide
- Suitable for cutting processes of grey cast iron, sand finished surfaces, copper, brass, bronze, marble, artificial and natural rocks, asphalt, cement products and curbstones.
- Featuring silicon carbide abrasive grains and a hard structure, the product offers long lifespan for cutting processes of cast and non-ferrous materials.



Product Introduction

Comodo 115 - Stone Cutting Disc



COMODO		Type	Size (mm)	Max rpm	PK QTY
Cutting Disc	115 - Stone		115 x 3 x 22.23	13300	200

Product Code **C1536**

- Silicon Carbide
- For cutting masonry, concrete, stone, ceramics, marble, and non-ferrous metals.
- Suitable for cutting artificial and natural rocks such as marble, brick, concrete, tile, shingle, curbstone.
- Featuring silicon carbide mixture abrasive grains and a hard structure, the product offers.
- Long lifespan and advantage of convenient cutting



Product Introduction

Comodo 355 - Rail Cutting Disc



COMODO		Type	Size (mm)	Max rpm	PK QTY
Cutting Disc	355 - Rail		355 x 3 x 25.40	4400	25
	Product Code C5534				

- Good material removal and cut rate
- For general trade and general usage

The advantages of utilizing Comodo Cutting and grinding discs:

- Operator comfortability
- Less vibration, less hand exhaustion
- Sharp edge
- Reducing grinding operation time
- Fast cutting
- Time consuming
- Long lasting
- Minimize cutting disc damage

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Safety Guide for the Use of Abrasive Wheels

Bonded abrasive products are breakable and shall therefore be handled with utmost care. The use of damaged, improperly mounted or improperly used abrasive products is dangerous and can cause serious injuries.

Delivery, Handling and Storage

- Abrasive products shall be handled and Transported with care.
- Abrasive products shall be stored in such a manner that they are not subjected to mechanical damage and/or a high level of humidity.

Selection of the Abrasive Product

- Information on the label or the abrasive product, as well as restrictions of use, safety indications or any other instruction, shall be followed.
- Wheels used on any machine shall only be of a type for which the machine is designed.

Inspection

- Prior to mounting, all abrasive wheels shall be visually inspected. Wheels which show evidence of cracks, abusive handling or abusive storage must not be mounted.

Operating Speed

- Machine speed shall be set and measured to make sure that it does not exceed the maximum operating speed designated for the abrasive wheel.



Observe maximum safe operating speed

Mounting

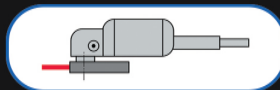
- The mounting of abrasive wheels shall be carried out according to the instructions provided by both the wheel and the machine manufacturers.
- Mounting of abrasive products shall be carried out by a qualified trained person.
- Flanges and adaptors shall be checked for flatness of bearing surface. Sprung or warped flanges or adaptors, or those which are not clean and free of burrs, must not be used.
- The spindle end nut shall be tightened only enough to drive the wheel and prevent slippage.
- All newly mounted wheels shall be run at operating speed for at least ten seconds before applying to workpiece. No one shall stand in front of or in line with the wheel, and the maximum safe operating speed must not be exceeded.
- In the case of strong vibrations during the test run, the machine shall be stopped, the tightening nut released, the wheel remounted, and the machine restarted. If the strong vibrations persist, the wheel must not be used.
- Arbor hole size: Abrasive wheels shall fit freely but not loosely on the machine spindle. The size of the arbor hole must not be altered to fit the spindle.

Mounting - cont.

- At the completion of wheel mounting, a safety guard covering at least one half of the wheel shall be in place (ILL. 2). All safety guard fasteners shall be in place and properly tightened. Grinding wheels must not be operated on any machine which has had its safety guard removed.

Operation

- Care shall be taken not to apply excessive pressure between the abrasive wheel and the workpiece, and to prevent the machine from slowing noticeably or the workpiece from becoming overheated.
- Grinding must not be performed on the side of the wheel



Personal Protection

- Safety goggles or safety spectacles shall be worn by all personnel exposed to grinding operations (ILL. 3).
- Where necessary, additional personal protective equipment shall be used, such as face protection, ear protection, respiratory devices, aprons, protective footwear, and protective gloves (ILL. 3).

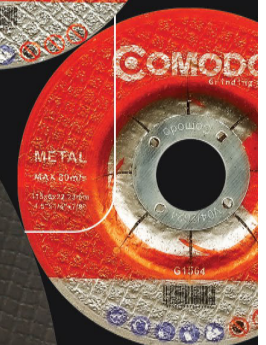
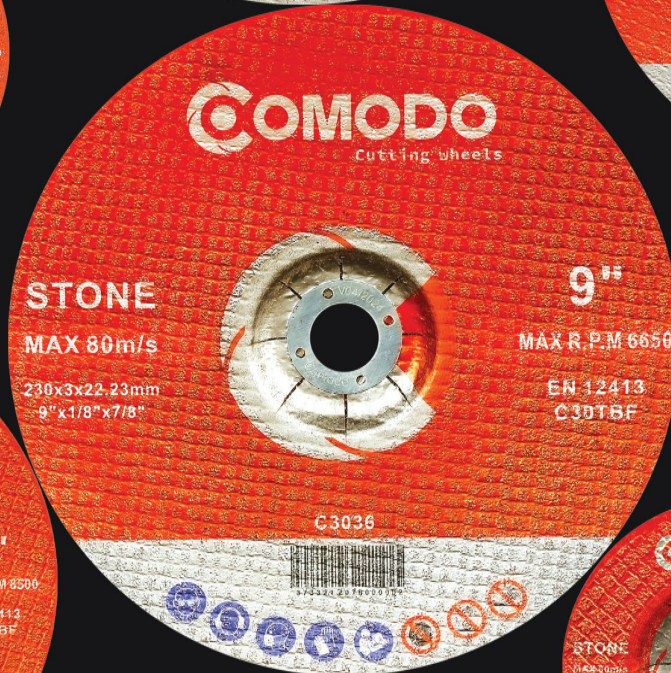
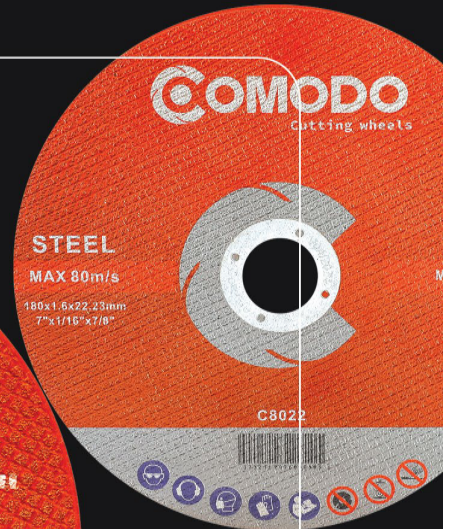
Stopping the Machine

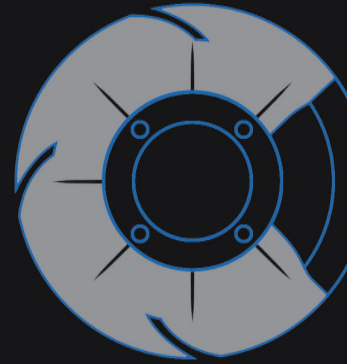
- Before placing the hand-held grinding machine on the workbench or floor it shall be ensured that the abrasive wheel has come to a complete stop.





COMODO





Cutting and Grinding Tools Manufacturer



Sales Department

Address: No. S07, Floor 2, Science and Technology Park, Shahid Hamedani Bolivar, Hamedan, Iran.

Tel. : (+98) 81 34384029

Headquarters

Address: Floor 6, No. 19, Unique building, Alvand St., Argentina Sq., Tehran, Iran

Tel. : (+98) 21 42407000

Factory

Address: No.: 10th Street, 1st bolivar, Bu Ali industrial Park, Hamedan, Iran.