



THIN WHEELS



CUMI Grinding & Cuttings Discs

CUMI grinding and cutting discs are produced in the state of the art ISO 9001:2000 certified manufacturing facility, with stringent process controls and final product quality checks. By this, not only the best grinding performances are achieved, but also the highest levels of product safety is maintained in accordance with EN 12413 standards.

The uniqueness of the product design allows for the most optimum grinding performance - good cutting action coupled with excellent tool life, consistently throughout the product life. The core strength of CUMI has been the ability to customize products for specific application needs. While this application guide is just a starting point, our engineers are always there to help out with any specific applications or queries.

ALOXIDE DC WHEELS

HI CUT - PLATINUM

Product Features

- High safety and consistency
- Excellent free cutting action
- New Generation Bond system
- Heavy Stock removal



Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
27	180	7	22.23	Steel / Alloy Steel
27	230	7	22.23	Steel / Alloy Steel

HI CUT

Product Features

- Special grain with bond combination
- Optimum wheel life
- Excellent free cutting action
- High safety and consistency



Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
27	100	4	16	Steel / Alloy Steel
27	100	6	16	Steel / Alloy Steel
27	125	5	22.23	Steel / Alloy Steel
27	125	7	22.23	Steel / Alloy Steel
27	180	5	22.23	Steel / Alloy Steel
27	180	7	22.23	Steel / Alloy Steel
27	230	5	22.23	Steel / Alloy Steel
27	230	7	22.23	Steel / Alloy Steel

HI CUT FABRICATION

Product Features

- Special grain
- Good life
- Good cutting action
- High Safety and Consistency



Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
27	180	7	22.23	Steel / Alloy Steel

CUMI SLEEK PLATINUM

Product Features

- Gen Next Bond System
- Good life of armature
- Light weight wheel design
- High Safety



Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
27	180	6.7	22.23	Steel / Alloy Steel

CUMI SLEEK UNIVERSAL

Product Features

- Light Weight wheel
- Faster grinding
- Good armature life



Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
27	100	4	16.00	Steel / Alloy Steel
27	180	5	22.23	Steel / Alloy Steel
27	180	6	22.23	Steel / Alloy Steel
27	180	6.7	22.23	Steel / Alloy Steel

CUMI SLEEK SUPREME



Product Features

- Light Weight wheel
- Faster grinding coupled with good life
- Good life of armature

Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
27	100	4	16	Steel / Alloy Steel
27	100	6	16	Steel / Alloy Steel
27	125	6	22.23	Steel / Alloy Steel
27	180	6.7	22.23	Steel / Alloy Steel

SAMURAI



Product Features

- Very High cutting action
- Value for money
- High Safety and Consistency

Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
27	100	4	16	Steel / Alloy Steel
27	100	6	16	Steel / Alloy Steel
27	125	6	22.23	Steel / Alloy Steel
27	180	6	22.23	Steel / Alloy Steel

SILICON CARBIDE DC WHEELS

HI CUT CAST IRON



Product Features

- Special grain and Bond system
- Good Life and High Safety
- Very High material removal rate

Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
27	180	7	22.23	Non Ferrous / Mild Steel / Low Alloy Steel
27	230	7	22.23	Non Ferrous / Mild Steel / Low Alloy Steel

HI CUT GLASS



Product Features

- Special grains
- Good finish
- Fast cutting
- High safety

Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
27	100	7	16	Glass

ZIRCONIA DC WHEELS

HI CUT ZIRCONIA



Product Features

- Special grain and bond combination
- High Material removal rate

Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
27	100	4	16	Stainless Steel
27	125	5	22.23	Stainless Steel
27	180	5	22.23	Stainless Steel
27	180	7	22.23	Stainless Steel
27	230	7	22.23	Stainless Steel

ALOXIDE REINFORCED CUT-OFF WHEELS

A24 R5 BFW

Product Features

- Special Bond System
- Superior Cutting action
- High Safety
- Less operator fatigue



Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
41	100	3	9.53	Steel / Alloy Steel
41	100	3	12.7	Steel / Alloy Steel
41	100	3	16	Steel / Alloy Steel
41	125	3	22.23	Steel / Alloy Steel
41	180	3	22.23	Steel / Alloy Steel
41	180	3.2	22.23	Steel / Alloy Steel
41	180	4	22.23	Steel / Alloy Steel
41	230	3	22.23	Steel / Alloy Steel
41	300	3	25.4	Steel / Alloy Steel
41	350	3	25.4	Steel / Alloy Steel
41	400	3	25.4	Steel / Alloy Steel
41	400	3	31.75	Steel / Alloy Steel
41	400	4	25.4	Steel / Alloy Steel
41	400	4	31.75	Steel / Alloy Steel
41	500	3	40	Steel / Alloy Steel
41	500	5	40	Steel / Alloy Steel

SPARK

Product Features

- Optimum cutting action
- Good life
- High Safety



Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
41	180	3	22.23	Steel / Alloy Steel
41	180	3.2	22.23	Steel / Alloy Steel
41	180	4	22.23	Steel / Alloy Steel
41	230	3	22.23	Steel / Alloy Steel
41	300	3	25.4	Steel / Alloy Steel
41	350	3	25.4	Steel / Alloy Steel
41	400	3	25.4	Steel / Alloy Steel
41	400	3	31.75	Steel / Alloy Steel
41	400	4	25.4	Steel / Alloy Steel

SLEEK SUPREME

Product Features

- New generation bond
- Optimum cutting action
- Good Life



Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
41	180	3	22.23	Steel / Alloy Steel

A24 SAMURAI

Product Features

- Good cutting action
- Economical product
- Good Life



Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
41	100	3	16	Steel / Alloy Steel
41	125	3	22.23	Steel / Alloy Steel

TEZZ

Product Features

- Good cutting action
- High Safety
- Optimum Life



Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
41	180	3	22.23	Steel / Alloy Steel

FOUNDRY WHEEL

Product Features

- Special grain & bond system
- Very High cutting action
- High Safety



Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
41	230	5	15.88	Steel / Alloy Steel
41	230	5	22.23	
41	230	7	15.88	
41	230	7	22.23	

ZIRCONIA CUTTING WHEEL

ZIRCONIA



Product Features

- High Performance
- Good Cutting Action
- Tough Bond
- High Safety

Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
41	350	3	16	Steel / Alloy Steel
41	125	3	22.23	Steel / Alloy Steel
41	180	3	22.23	Steel / Alloy Steel

CHOPSAW

HI CUT

Product Features

- Special grain with bond combination
- High safety and consistency
- Good life
- Excellent free cutting action
- Single fabric design

Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
41	350	2.8	25.4	Steel / Alloy Steel

SPEED

Product Features

- Higher cutting speed
- High machine life
- Long wheel life
- Single fabric design

Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
41	350	2.8	25.4	Steel / Alloy Steel

SAMURAI

Product Features

- High safety
- Double fabric design
- Optimum cutting action

Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
41	300	3	25.4	Steel / Alloy Steel
41	350	3	25.4	Steel / Alloy Steel

SAMURAI PLATINUM

Product Features

- High performance
- High safety
- Good cutting action
- Double fabric design

Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
41	300	3	25.4	Steel / Alloy Steel





SAMURAI - SINGLE FABRIC

Product Features

- High Safety
- Very Fast Cutting
- Single fabric design

Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
41	350	2.8	25.4	Steel / Alloy Steel

SAMURAI - INOX

Product Features

- High Safety
- Very Fast Cutting
- Single fabric design

Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
41	350	2.8	25.4	Stainless Steel / Alloy Steel

ULTRA THIN WHEEL

HI CUT PLATINUM

Product Features

- Special grain with bond combination
- High life
- Excellent free cutting action
- High safety and consistency



Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
41	105	1.0	16	Stainless Steel / Alloy Steel
41	105	1.5	16	Stainless Steel / Alloy Steel
41	105	2.0	16	Stainless Steel / Alloy Steel
41	125	1.0	22.23	Stainless Steel / Alloy Steel
27	180	1.6	22.23	Stainless Steel / Alloy Steel

SLEEK

Product Features

- Special grain
- Used in multiple applications
- Good cutting action
- High safety and consistency



Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
41	105	1.0	16	Stainless Steel / Alloy Steel
41	105	1.5	16	Stainless Steel / Alloy Steel
41	105	2.0	16	Stainless Steel / Alloy Steel

TEZZ - PLUS

Product Features

- Optimum cutting action
- Value for money
- Double fabric design



Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
41	105	1.0	16	Steel / Alloy Steel
41	125	1.0	22.23	Steel / Alloy Steel

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TEZZ - INOX

Product Features

- Optimum cutting action
- Value for money
- Single fabric design

Type	Dimension (mm)			Use On
	DIA (D)	THK (T)	BORE	
41	105	1.0	16	Stainless Steel / Alloy Steel
41	125	1.0	22.23	Stainless Steel / Alloy Steel

THIN WHEELS APPLICATION DETAILS

Material	Type of Abrasive	Premium	Value added	Value for money
Steel	Aluminium Oxide	Hicut / Hicut Platinum / Agni	Sleek platinum / Shakti	Samurai / Tezz / Sleek Universal
SS Inox	Friable Aluminium Oxide	Hicut SS	Sleek Inox	
Stain less Steel	Zirconia / Aluminium Oxide	Hicut Zircon / Cumiflex Zircon		
Aluminium	Silicon Carbide	Hicut Aluminium		
Cast iron	Silicon Carbide	Hicut Cast Iron / Cumiflex Cast Iron		
Stone	Silicon Carbide	Hicut Stone		
Glass	Silicon Carbide	Hicut Glass		

CUMI BRAND WISE - APPLICATION WISE

Type 27 Depressed Center Grinding Wheel

Application	Wheel Grade	Steel	Construction steel	Tool steel	Stainless steel	Alloy steel	Nuclear steel	Grey Cast iron	SG Cast iron	Aluminium	Copper, Bronze, Brass	Granite/ marble	Ceramics	Concrete	Stone	Glass	
		For hand held angular grinders for diameters 4 inch to 9 inch	Hicut platinum	★	★	★	○	★		○	○						
Hicut	★		★	★	○	★		○	○								
Hicut Zircon	○		○	○	★	★											
Hicut Aluminium										★	★						
Hicut Cast Iron								★	★			★	★	★	★		
Hicut Glass																	★
Agni	★		★	○	○	★		○	○								
Shakti	★		★		○			○	○								
Sleek Inox	○				★	★	★										
Sleek Platinum	★		★		○	★		○	○								
Sleek Supreme	★		★		○	★											
Sleek Universal	★		★		○	★											
Samurai	★		★		○	★		○	○								
Tezz	★		★		○	★											

- ★ Main Application
- Possible Application

CUMI BRAND WISE - APPLICATION WISE

Type 41 Straight Cutting Wheel

Application	Wheel Grade	Steel	Construction steel	Tool steel	Stainless steel	Alloy steel	Nuclear steel	Grey Cast iron	SG Cast iron	Aluminium	Copper, Bronze, Brass	Granite/ marble	Ceramics	Concrete	Stone
For hand held angular grinders for diameters 4 inch to 9 inch.	Hi-cut/ A24R5BFW	★	★	★	○	★		○	○						
	Spark	★	★	★		★		○	○						
	Sleek Supreme	★	★	★		★		○							
	Sleek Inox				★	★	★								
	Sleek	★	★	★	★	★	○			○					
	CUMI Flex Gold	★	★	★	★	★	★								
	Samurai	★	★		○	★									
	Tezz	★	★		○										
For Stationary and Chopsaw cutting machines up to 16 Inch.	Hi-cut/ A24R5BFW	★	★	★	○	★		○	○						
	C30R5BFW							★	★			★	★	★	★
	Spark	★	★	★		★		○	○						
	Speed	★	★	★	○	★									
	Samurai	★	★		○	★									
	Tezz	★	★		○	★									
	Samurai Platinum	★	★		○	★									

- ★ Main Application
- Possible Application