

1

CUMI

CUTTING &
GRINDING WHEELS

PRODUCT CATALOGUE

CUMI

CARBORUNDUM UNIVERSAL LIMITED

ABOUT US

Carborundum Universal Limited (CUMI) is part of the US\$ 4.4 billion conglomerate Murugappa Group. The company pioneered the manufacture of Coated Abrasives and Bonded Abrasives in India. In addition, we also manufacture Super Abrasives, Super Refractories, Electro Minerals. Industrial Ceramics. Ceramic Fiber and Power Tools.

CUMI manufactures the complete range of Vitrified, Resinoid and Rubber Bonded Products for various industrial applications; Cylindrical Grinding, Centerless Grinding, Surface Grinding. Face Grinding and complete range of Coated Products; Abrasive Paper, Fibre Discs, Rolls, Flap Discs, Non-Woven and Flap Wheels.

Our products address various type of industries; Automobile OEM, Auto Components, Steel, Bearing. Foundry. General Engineering, Aerospace and Wood. We also have unique products for Ball Grinding, Ball Lapping, Roll Grinding etc.

CUMI's strong R&D and Application support team provide complete grinding system engineering and technical support to all customers. We offer our customer, the best quality products at competitive price.

With strategic global alliances, state of the art manufacturing facilities and sales support centres that span across North America. Europe, Russia, South Africa. India, China and Australia, CUMI has achieved a reputation for quality and innovation.

CUMI specializes and develops specific products to meet the requirements of customers and markets. We are confident that our product/service/price will provide the best value for your business.

CUMI



BONDED
ABRASIVES

COATED
ABRASIVES

NON WOVEN
ABRASIVES

CUTTING AND
GRINDING WHEELS

DIAMOND
TOOLS

POWER
TOOLS



INDEX

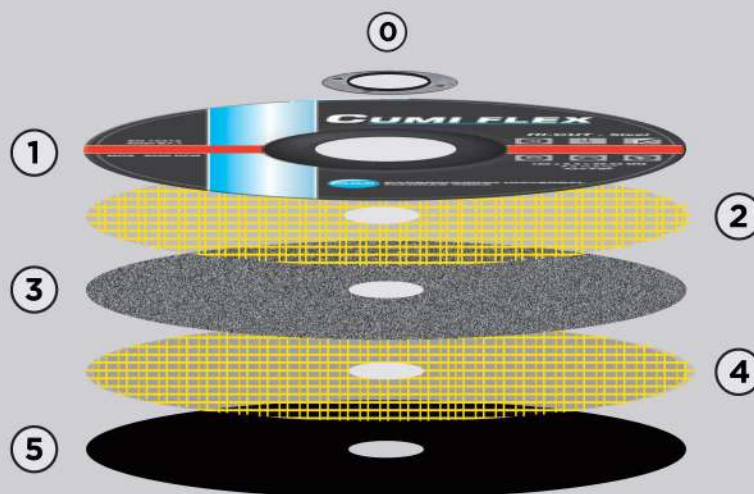
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CUTTING & GRINDING WHEELS

About Cutting & Grinding Wheels:

Cutting & grinding wheels comprises of abrasive grains held together by resin bonds and are reinforced by glass fibers. Ranging from 1mm to 9mm thickness, they are extensively used in various industries like construction, fabrication, foundries shipyards, aerospace and automotive.

COMPONENTS OF GRINDING WHEELS



METAL
BUSH

LABEL

GLASS FIBER
REINFORCEMENT

MIXTURE OF
ABRASIVE GRAINS,
RESINS & FILLERS

GLASS FIBER
REINFORCEMENT

BLACK
PAPER

0

1

2

3

4

5



ABOUT CUMIFLEX

CUMIFLEX cutting & grinding wheels are produced in the state of the art 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 level of product safety is maintained in accordance with EN 12413 and ANSI B7.1 standards.

The uniqueness of the product design allows for the most optimum grinding performance - good cutting action and 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.

SPEED CONVERSION



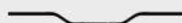
Wheel Diameter	Maximum peripheral operating speed in m/s		
(mm)	63	80	100
100	12100	15300	19100
115	10500	13300	16650
125	9650	12250	15300
150	8050	10200	12700
180	6700	8500	10650
200	6050	7650	9550
230	5250	6650	8350
300/305	4050	5100	6400
350/356	3450	4400	5500
400/406	3050	3850	4800



PRODUCT LABEL EXPLANATION



PRODUCT CODE EXPLANATION

27	HCT	100	63	T
WHEEL TYPE	APPLICATION CATEGORY	WHEEL DIAMETER	WHEEL THICKNESS	GRADE HARDNESS
 TYPE27	HCT Hicut - Steel	100 = 100 mm	63 = 6.3 mm	R Soft
 TYPE41	ZRC Zirconia			T Medium
 TYPE42	INO SS Inox			U Hard
	HCB Hicarb - Stone			
	ALU Aluminium			
	CHA Chop Saw Steel			
	CHC Chop Saw Stone			

PICTOGRAMS



CUMIFLEX RANGE

Cumiflex cutting & grinding wheels are available in three different variants classified based on performance and life



CUMIFLEX GOLD

Premium products for high performance and longer life with lower operating costs satisfying customer demands



CUMIFLEX PERFORMANCE

Product range optimised for an excellent combination of life and performance for various applications




CUMIFLEX UNIVERSAL


Universal products designed for price - performance ratio offering good performance levels

COLOR CODE RELATIONSHIP




 CERAMIC

 STEEL

 ZIRCONIA



 SS-INOX

 STONE

 ALUMINIUM

MACHINE PICTOGRAMS



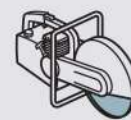
ANGLE GRINDER



CHOP SAW



STATIONERY MACHINE



PETROL SAW

TUV INDIA

EN 12413:2007+A1:2011 - Compliance

No: CE_98/37.995.00

Name & Address of the Manufacturer:
Carborundum Universal Ltd.
 P.B No. 2272, Thiruvottiyur,
 Chennai 600019,
 India.



Product Nomenclature:
CUMI FLEX Grinding & Cutting Wheels

Type/Model:

Model	Tests Carried out
1. HICUT STEEL - GRINDING	a. Speed Test
2. HICUT STEEL - CUTTING	b. Bursting speed test
3. STAINLESS STEEL INOX - GRINDING	c. Impact Test
4. STAINLESS STEEL INOX - CUTTING	d. Side load test
5. HICARB STONE - GRINDING	
6. HICARB STONE - CUTTING	

Review Results/Observations:
 Based on the tests carried out, review of the test reports – the above product/s, generally comply with the requirements of above tests as per European Standard: EN 12413:2007 + A1:2011

Validity: January 2019 (Subject to annual factory production control audits)


 Vivek Bawankar


 M.S. Ogale



Job#: 8112721025 Page 1 of 2

Regd. & Head Office: 801, Shilpa Park - 1, L.S.S. Marg, Chhatrapati Shivajinagar, Mumbai-40.
 Phone: 022-66477000, Fax: 022-66477006, Email: info@tuvindia.com or www.tuvindia.com

EN 12413



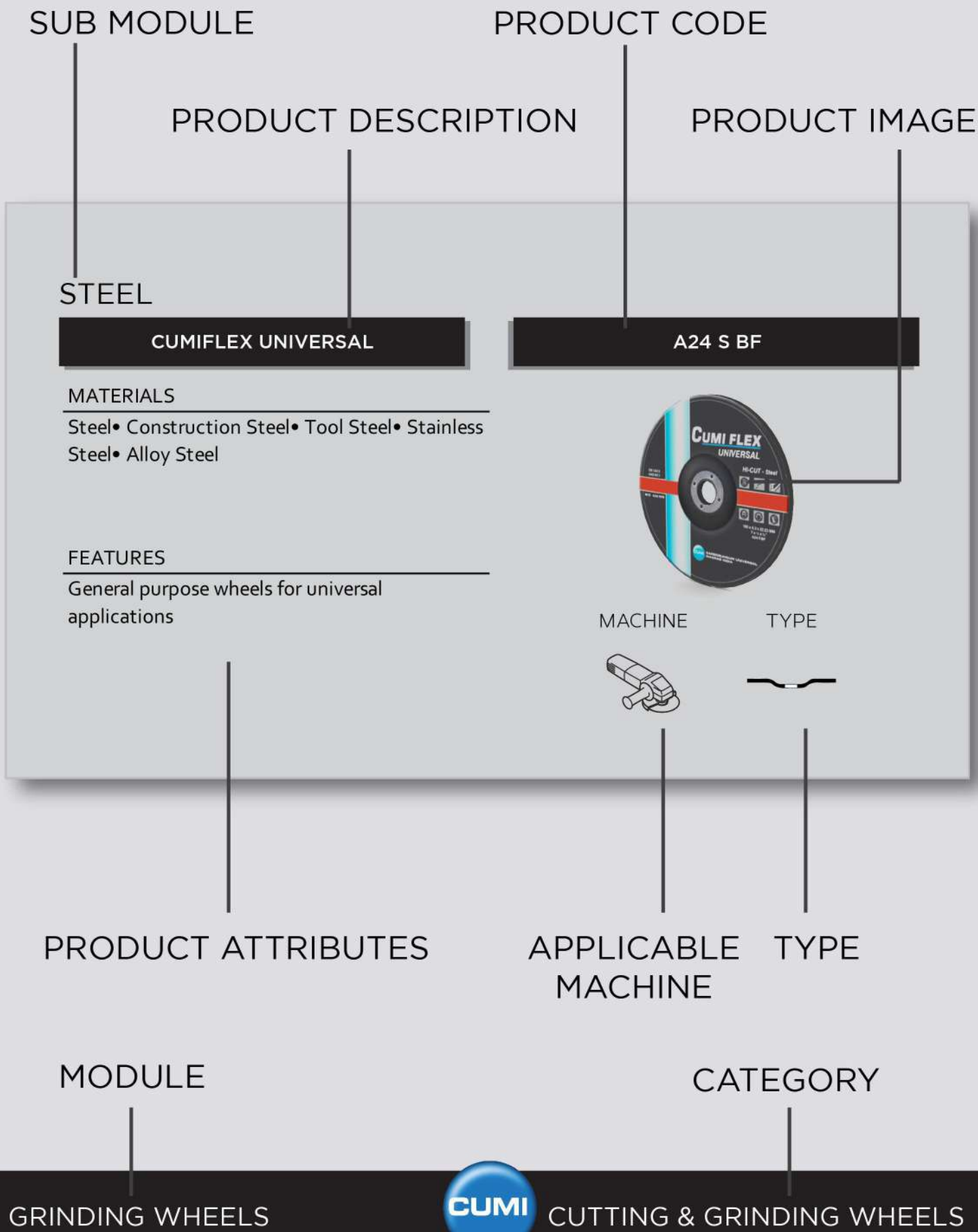
DO

1. DO always follow instructions for proper storage.
2. DO always visually inspect grinding wheels before mounting.
3. DO always use a safety guard, which should cover nearly one half of the grinding wheel.
4. DO always use non-reinforced cutting-off wheels on fixed stationary machines.
5. DO always allow newly mounted wheels to run at operating speed with the guard in place for atleast one minute before cutting or grinding.
6. DO have machine speeds checked regularly, especially after maintenance or repair.
7. DO grind at the prescribed angle to the item with depressed-centre grinding wheels on an angle grinding machine.
8. DO always wear protective safety clothing, dust masks, eye and ear protection.

DON'T

1. DON'T store wheels in a damp atmosphere or in extreme temperatures.
2. DON'T use non-reinforced cutting-off wheels on portable machines.
3. DON'T mount a damaged wheel.
4. DON'T exceed the maximum operating speed marked on the wheel.
5. DON'T force a wheel onto a machine spindle.
6. DON'T use mounting flanges which are incorrect, damaged, or worn out.
7. DON'T tighten the mounting nut or locking flange excessively. This can distort the flanges.
8. DON'T apply side pressure to cutting-off wheels.
9. DON'T stop the wheel after use by applying pressure to the wheel edge or side. Always switch off the machine and allow the wheel to stop running.

HOW TO READ THE BROCHURE



CUTTING & GRINDING WHEELS **GRINDING WHEELS**

APPLICATION GUIDE

	CODE	PRODUCT DESCRIPTION	MATERIALS`														
			Steel	Construction steel	Tool steel	Stainless steel	Alloy steel	Nuclear Industry	Grey Cast iron	SG Cast iron	Aluminium	Copper, Bronze, Brass	Granite, Marble	Ceramics	Concrete	Glass	
STEEL	SA24 T BF	CUMIFLEX GOLD	●	●	●	○	○										
	A24 T BF	CUMIFLEX PERFORMANCE	●	●	●	○	○										
	A24 S BF	CUMIFLEX UNIVERSAL	●	●	●	○	○										
ZIRCONIA	ZA24 T BF	CUMIFLEX PERFORMANCE	○	○	○	●	●										
	AZA24 T BF	CUMIFLEX UNIVERSAL	○	○	○	●	●										
SS INOX	DA24 T BF	CUMIFLEX GOLD				○	○	●									
	DA24 S BF	CUMIFLEX PERFORMANCE				○	○	●									
STONE	C24 R BF	CUMIFLEX PERFORMANCE							●	●	○	○	●	●	●	●	
ALUMINIUM	A24 P BF	CUMIFLEX PERFORMANCE									●	●					

● Main applications ○ Possible applications

AVAILABLE TYPE



TYPE 27

STEEL

High performance wheels suited for weld and edge grinding

CUMIFLEX GOLD

MATERIALS

Steel • Construction Steel • Tool Steel
• Stainless Steel • Alloy Steel

FEATURES

High Performance abrasive grains with specially designed bond for best in class performance

SA24 T BF



MACHINE

TYPE



CUMIFLEX PERFORMANCE

MATERIALS

Steel • Construction Steel • Tool Steel •
Stainless Steel • Alloy Steel

FEATURES

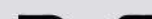
Premium blend of abrasive grains for optimum life and grinding action

A24 T BF



MACHINE

TYPE



STEEL

CUMIFLEX UNIVERSAL

A24 S BF

MATERIALS

- Steel • Construction Steel • Tool Steel
 • Stainless Steel • Alloy Steel

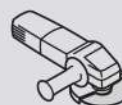
FEATURES

General purpose wheels for universal applications



MACHINE

TYPE



TYPE	DIMENSIONS (D x T x B)		CUMI CODE			SPEED	PACK
	mm	inch	GOLD	PERFORMANCE	UNIVERSAL	rpm	qty
	100 x 4 x 16	4 x 5/32 x 5/8	27HCT10040U	27HCT10040T	27HCT10040S	15300	100
	100 x 6.3 x 16	4 x 1/4 x 5/8	27HCT10063U	27HCT10063T	27HCT10063S	15300	100
	115 x 4 x 22.23	4-1/2 x 5/32 x 7/8	27HCT11540U	27HCT11540T	27HCT11540S	13300	100
	115 x 6.3 x 22.23	4-1/2 x 1/4 x 7/8	27HCT11563U	27HCT11563T	27HCT11563S	13300	100
	125 x 6.3 x 22.23	5 x 1/4 x 7/8	27HCT12563U	27HCT12563T	27HCT12563S	12250	100
	150 x 6.3 x 22.23	6 x 1/4 x 7/8	27HCT15063U	27HCT15063T	27HCT15063S	10200	100
	180 x 4 x 22.23	7 x 5/32 x 7/8	27HCT18040U	27HCT18040T	27HCT18040S	8500	25
	180 x 6.3 x 22.23	7 x 1/4 x 7/8	27HCT18063U	27HCT18063T	27HCT18063S	8500	25
	230 x 6.3 x 22.23	9 x 1/4 x 7/8	27HCT23063U	27HCT23063T	27HCT23063S	6650	25

5/8-11" mounting hub available on request

STEEL

CUMIFLEX UNIVERSAL PLUS

A24 S BF

MATERIALS

- Steel • Construction Steel • Tool Steel
- Stainless Steel • Alloy Steel

FEATURES


Grooved pattern for high metal removal rate and smoother cutting with less load on operator



MACHINE

TYPE



TYPE	DIMENSIONS (D x T x B)		CUMI CODE	SPEED	PACK
	mm	inch			
	100 x 4 x 16	4 x 5/32 x 5/8	27HCT10040SP	15300	100
	100 x 6.3 x 16	4 x 1/4 x 5/8	27HCT10063SP	15300	100
	115 x 4 x 22.23	4-1/2 x 5/32 x 7/8	27HCT11540SP	13300	100
	115 x 6.3 x 22.23	4-1/2 x 1/4 x 7/8	27HCT11563SP	13300	100
	125 x 6.3 x 22.23	5 x 1/4 x 7/8	27HCT12563SP	12250	100
	150 x 6.3 x 22.23	6 x 1/4 x 7/8	27HCT15063SP	10200	100
	180 x 4 x 22.23	7 x 5/32 x 7/8	27HCT18040SP	8500	25
	180 x 6.3 x 22.23	7 x 1/4 x 7/8	27HCT18063SP	8500	25
	230 x 6.3 x 22.23	9 x 1/4 x 7/8	27HCT23063SP	6650	25

5/8-11" mounting hub available on request



ZIRCONIA

Premium grinding wheels for Stainless Steel with excellent cutting action and long wheel life.

CUMIFLEX PERFORMANCE

MATERIALS

Steel • Construction Steel • Tool Steel
• Stainless Steel • Alloy Steel

FEATURES

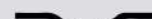
Premium zirconia grains for superior grinding experience

ZA24 T BF



MACHINE

TYPE



CUMIFLEX UNIVERSAL

MATERIALS

Steel • Construction Steel • Tool Steel
• Stainless Steel • Alloy Steel

FEATURES

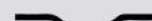
Zirconia grain combination for faster and aggressive grinding

AZA24 T BF



MACHINE

TYPE



TYPE	DIMENSIONS (D x T x B)		CUMI CODE		SPEED	PACK
	mm	inch	PERFORMANCE	UNIVERSAL	rpm	qty
	100 x 6.3 x 16	4 x 1/4 x 5/8	27ZIR10063T	27ZIR10063S	15300	100
	115 x 6.3 x 22.23	4-1/2 x 1/4 x 7/8	27ZIR11563T	27ZIR11563S	13330	100
	125 x 6.3 x 22.23	5 x 1/4 x 7/8	27ZIR12563T	27ZIR12563S	12250	100
	150 x 6.3 x 22.23	6 x 1/4 x 7/8	27ZIR15063T	27ZIR15063S	10200	100
	180 x 6.3 x 22.23	7 x 1/4 x 7/8	27ZIR18063T	27ZIR18063S	8500	25
	230 x 6.3 x 22.23	9 x 1/4 x 7/8	27ZIR23063T	27ZIR23063S	6650	25

5/8-11" mounting hub available on request

SS - INOX

Special wheel for use in nuclear power plants, free from Iron, Chlorine and Sulphur.

CUMIFLEX GOLD

MATERIALS

Nuclear Industry •Stainless Steel• Alloy Steel

FEATURES

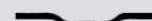
- Premium blend of abrasive grains for burr-free grinding
- Fe, S, Cl < 0.1%

DA24 T BF



MACHINE

TYPE



CUMIFLEX PERFORMANCE

MATERIALS

Nuclear Industry •Stainless Steel• Alloy Steel

FEATURES

- Optimised grain - bond system for easy grinding action
- Fe, S, Cl < 0.1%

DA24 S BF



MACHINE

TYPE



TYPE	DIMENSIONS (D x T x B)		CUMI CODE		SPEED rpm	PACK qty
	mm	inch	GOLD	PERFORMANCE		
	100 x 4 x 16	4 x 5/32 x 5/8	27INO10040U	27INO10040T	15300	100
	100 x 6.3 x 16	4 x 1/4 x 5/8	27INO10063U	27INO10063T	15300	100
	115 x 4 x 22.23	4-1/2 x 5/32 x 7/8	27INO11540U	27INO11540T	13330	100
	115 x 6.3 x 22.23	4-1/2 x 1/4 x 7/8	27INO11563U	27INO11563T	13330	100
	125 x 6.3 x 22.23	5 x 1/4 x 7/8	27INO12563U	27INO12563T	12250	100
	180 x 4 x 22.23	7 x 5/32 x 7/8	27INO18040U	27INO18040T	8500	25
	180 x 6.3 x 22.23	7 x 1/4 x 7/8	27INO18063U	27INO18063T	8500	25
	230 x 6.3 x 22.23	9 x 1/4 x 7/8	27INO23063U	27INO23063T	6650	25

5/8-11" mounting hub available on request

STONE

General purpose grinding wheel for stone, concrete, asphalt, cast steel, grey and SG cast iron

CUMIFLEX PERFORMANCE

C24 R BF

MATERIALS

Grey Cast iron • SG Cast Iron • Aluminium • Copper • Bronze • Brass • Granite • Marble • Ceramics • Concrete • Glass

FEATURES

Optimised for longer life and faster cut rate



MACHINE

TYPE



TYPE	DIMENSIONS (D x T x B)		CUMI CODE	SPEED	PACK
	mm	inch	PERFORMANCE	rpm	qty
	100 x 4 x 16	4 x 5/32 x 5/8	27HCB10040T	15300	100
	100 x 6.3 x 16	4 x 1/4 x 5/8	27HCB10063T	15300	100
	115 x 4 x 22.23	4-1/2 x 5/32 x 7/8	27HCB11540T	13330	100
	115 x 6.3 x 22.23	4-1/2 x 1/4 x 7/8	27HCB11563T	13330	100
	125 x 6.3 x 22.23	5 x 1/4 x 7/8	27HCB12563T	12250	100
	150 x 6.3 x 22.23	6 x 1/4 x 7/8	27HCB15063T	10200	100
	180 x 4 x 22.23	7 x 5/32 x 7/8	27HCB18040T	8500	25
	180 x 6.3 x 22.23	7 x 1/4 x 7/8	27HCB18063T	8500	25
	230 x 6.3 x 22.23	9 x 1/4 x 7/8	27HCB23063T	6650	25

5/8-11" mounting hub available on request

ALUMINIUM

Standard wheel for working on Aluminium and other non-ferrous metals.

CUMIFLEX PERFORMANCE

A24 P BF

MATERIALS

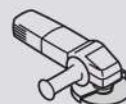
Aluminium • Copper • Brass • Bronze

FEATURES

Superior grain - bond combination that prevents glazing & loading problems



MACHINE



TYPE



TYPE	DIMENSIONS (D x T x B)		CUMI CODE	SPEED	PACK
	mm	inch	PERFORMANCE	rpm	qty
	100 x 6.3 x 16	4 x 1/4 x 5/8	27ALU10063T	15300	100
	115 x 6.3 x 22.23	4-1/2 x 1/4 x 7/8	27ALU11563T	13330	100
	125 x 6.3 x 22.23	5 x 1/4 x 7/8	27ALU12563T	12250	100
	150 x 6.3 x 22.23	6 x 1/4 x 7/8	27ALU15063T	10200	100
	180 x 6.3 x 22.23	7 x 1/4 x 7/8	27ALU18063T	8500	25
	230 x 6.3 x 22.23	9 x 1/4 x 7/8	27ALU23063T	6650	25

5/8-11" mounting hub available on request





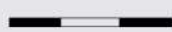
CUTTING & GRINDING WHEELS CUTTING WHEELS

APPLICATION GUIDE

	CODE	PRODUCT DESCRIPTION	MATERIALS														
			Steel	Construction steel	Tool steel	Stainless steel	Alloy steel	Nuclear Industry	Grey Cast iron	SG Cast iron	Aluminium	Copper, Bronze, Brass	Granite, Marble	Ceramics	Concrete	Stone	
STEEL	SA30 T BF	CUMIFLEX GOLD	●	●	●	○	○			○	○						
	A30 T BF	CUMIFLEX PERFORMANCE	●	●	●	○	○										
ZIRCONIA	ZA30 T BF	CUMIFLEX GOLD	○	○	○	●	●										
	AZA30 T BF	CUMIFLEX PERFORMANCE	○	○	○	●	●										
SS INOX	DA30 S BF	CUMIFLEX PERFORMANCE				○	○	●									
STONE	C30 R BF	CUMIFLEX PERFORMANCE								●	●	○	○	●	●	●	●
ALUMINIUM	A30 Q BF	CUMIFLEX PERFORMANCE										●	●				

● Main applications ○ Possible applications

AVAILABLE TYPES



TYPE 41



TYPE 42

STEEL

Cutting wheels suitable for all metal cutting applications.

CUMIFLEX GOLD

MATERIALS

- Steel • Construction Steel • Tool Steel
 • Stainless Steel • Alloy Steel

FEATURES

High Performance abrasive grains with specially designed bond for best in class performance

SA30 T BF



MACHINE



TYPE



CUMIFLEX PERFORMANCE

MATERIALS

- Steel • Construction Steel • Tool Steel
 • Stainless Steel • Alloy Steel

FEATURES

Premium blend of abrasive grains for optimum life and cutting action

A30 T BF



MACHINE




TYPE



STEEL

TYPE	DIMENSIONS (D x T x B)		CUMI CODE		SPEED rpm	PACK SIZE qty
	mm	inch	GOLD	PERFORMANCE		
	100 x 3.2 x 16	4 x 1/8 x 5/8	42HCT10032U	42HCT10032T	15300	100
	115 x 3.2 x 22.23	4-1/2 x 1/8 x 7/8	42HCT11532U	42HCT11532T	13300	100
	125 x 3.2 x 22.23	5 x 1/8 x 7/8	42HCT12532U	42HCT12532T	12250	100
	180 x 3.2 x 22.23	7 x 1/8 x 7/8	42HCT18032U	42HCT18032T	8500	50
	230 x 3.2 x 22.23	9 x 1/8 x 7/8	42HCT23032U	42HCT23032T	6650	50

5/8-11" safety hub available on request

TYPE	DIMENSIONS (D x T x B)		CUMI CODE		SPEED rpm	PACK SIZE qty
	mm	inch	GOLD	PERFORMANCE		
	100 x 2.5 x 16	4 x 3/32 x 5/8	41HCT10025U	41HCT10025T	15300	100
	100 x 3.2 x 16	4 x 1/8 x 5/8	41HCT10032U	41HCT10032T	15300	100
	115 x 2.5 x 22.23	4-1/2 x 3/32 x 7/8	41HCT11525U	41HCT11525T	13300	100
	115 x 3.2 x 22.23	4-1/2 x 1/8 x 7/8	41HCT11532U	41HCT11532T	13300	100
	125 x 2.5 x 22.23	5 x 3/32 x 7/8	41HCT12525U	41HCT12525T	12250	100
	125 x 3.2 x 22.23	5 x 1/8 x 7/8	41HCT12532U	41HCT12532T	12250	100
	180 x 2.5 x 22.23	7 x 3/32 x 7/8	41HCT18025U	41HCT18025T	8500	50
	180 x 3.2 x 22.23	7 x 1/8 x 7/8	41HCT18032U	41HCT18032T	8500	50
	230 x 2.5 x 22.23	9 x 3/32 x 7/8	41HCT23025U	41HCT23025T	8500	50
	230 x 3.2 x 22.23	9 x 1/8 x 7/8	41HCT23032U	41HCT23032T	8500	50

5/8-11" mounting hub available on request



ZIRCONIA

Premium cutting wheel for Stainless Steel and other metals with excellent cutting action and longer wheel life.

CUMIFLEX GOLD

MATERIALS

- Steel • Construction Steel • Tool Steel
- Stainless Steel • Alloy Steel

FEATURES

Premium zirconia grains for superior cutting experience

ZA30 T BF



MACHINE

TYPE



CUMIFLEX PERFORMANCE

MATERIALS

- Steel • Construction Steel • Tool Steel
- Stainless Steel • Alloy Steel

FEATURES

Zirconia grain combination for faster and aggressive cutting

AZA30 T BF



MACHINE

TYPE



ZIRCONIA

TYPE	DIMENSIONS (D x T x B)		CUMI CODE		SPEED	PACK SIZE
	mm	inch	GOLD	PERFORMANCE	rpm	qty
	100 x 3.2 x 16	4 x 1/8 x 5/8	42ZRC10032U	42ZRC10032T	15300	100
	115 x 3.2 x 22.23	4-1/2 x 1/8 x 7/8	42ZRC11532U	42ZRC11532T	13300	100
	125 x 3.2 x 22.23	5 x 1/8 x 7/8	42ZRC12532U	42ZRC12532T	12250	100
	180 x 3.2 x 22.23	7 x 1/8 x 7/8	42ZRC18032U	42ZRC18032T	8500	50
	230 x 3.2 x 22.23	9 x 1/8 x 7/8	42ZRC23032U	42ZRC23032T	6650	50

5/8-11" mounting hub available on request

TYPE	DIMENSIONS (D x T x B)		CUMI CODE		SPEED	PACK SIZE
	mm	inch	GOLD	PERFORMANCE	rpm	qty
	100 x 3.2 x 16	4 x 1/8 x 5/8	41ZRC10032U	41ZRC10032T	15300	100
	115 x 3.2 x 22.23	4-1/2 x 1/8 x 7/8	41ZRC11532U	41ZRC11532T	13300	100
	125 x 3.2 x 22.23	5 x 1/8 x 7/8	41ZRC12532U	41ZRC12532T	12250	100
	180 x 3.2 x 22.23	7 x 1/8 x 7/8	41ZRC18032U	41ZRC18032T	8500	50
	230 x 3.2 x 22.23	9 x 1/8 x 7/8	41ZRC23032U	41ZRC23032T	6650	50

5/8-11" mounting hub available on request



SS - INOX

Special cutting wheel for use in nuclear power plants, free from Iron, Chlorine and Sulphur.

CUMIFLEX GOLD

DA30 S BF

MATERIALS

Stainless Steel • Alloy Steel • Nuclear Industry

FEATURES

- Premium blend of abrasive grains for burr-free cutting
- Fe, S, Cl < 0.1%



MACHINE

TYPE



TYPE	DIMENSIONS (D x T x B)		CUMI CODE	SPEED	PACK SIZE
	mm	inch			
	100 x 2.5 x 16	4 x 3/32 x 5/8	42INO10025T	15300	100
	100 x 3.2 x 16	4 x 1/8 x 5/8	42INO10032T	15300	100
	115 x 2.5 x 22.23	4-1/2 x 3/32 x 7/8	41INO11525T	13300	100
	115 x 3.2 x 22.23	4-1/2 x 1/8 x 7/8	41INO11532T	13300	100
	125 x 2.5 x 22.23	5 x 3/32 x 7/8	42INO12525T	12250	100
	125 x 3.2 x 22.23	5 x 1/8 x 7/8	42INO12532T	12250	100
	180 x 2.5 x 22.23	7 x 3/32 x 7/8	42INO12532T	8500	50
	180 x 3.2 x 22.23	7 x 1/8 x 7/8	42INO12532T	8500	50
	230 x 2.5 x 22.23	9 x 3/32 x 7/8	42INO12532T	6650	50
	230 x 3.2 x 22.23	9 x 1/8 x 7/8	42INO12532T	6650	50

TYPE	DIMENSIONS (D x T x B)		CUMI CODE	SPEED	PACK SIZE
	mm	inch			
	100 x 2.5 x 16	4 x 3/32 x 5/8	41INO10025T	15300	100
	100 x 3.2 x 16	4 x 1/8 x 5/8	41INO10032T	15300	100
	115 x 2.5 x 22.23	4-1/2 x 3/32 x 7/8	41INO11525T	13300	100
	115 x 3.2 x 22.23	4-1/2 x 1/8 x 7/8	41INO11532T	13300	100
	125 x 2.5 x 22.23	5 x 3/32 x 7/8	41INO12525T	12250	100
	125 x 3.2 x 22.23	5 x 1/8 x 7/8	41INO12532T	12250	100
	180 x 2.5 x 22.23	7 x 3/32 x 7/8	41INO12532T	8500	50
	180 x 3.2 x 22.23	7 x 1/8 x 7/8	41INO12532T	8500	50
	230 x 2.5 x 22.23	9 x 3/32 x 7/8	41INO12532T	6650	50
	230 x 3.2 x 22.23	9 x 1/8 x 7/8	41INO12532T	6650	50

5/8-11" mounting hub available on request

STONE

Universal cutting wheel suitable for stone, concrete, cast steel and cast iron.

CUMIFLEX PERFORMANCE

MATERIALS

Grey Cast Iron • SG Cast Iron • Aluminium
 • Copper • Bronze • Brass • Granite • Marble
 • Ceramics • Concrete • Glass

FEATURES

Optimised for longer life and faster cut rate

C30 R BF



MACHINE

TYPE



TYPE	DIMENSIONS (D x T x B)		CUMI CODE	SPEED	PACK SIZE
	mm	inch			
	100 x 3.2 x 16	4 x 1/8 x 5/8	42HCB10032T	15300	100
	115 x 3.2 x 22.23	4-1/2 x 1/8 x 7/8	42HCB11532T	13300	100
	125 x 3.2 x 22.23	5 x 1/8 x 7/8	42HCB12532T	12250	100
	180 x 3.2 x 22.23	7 x 1/8 x 7/8	42HCB18032T	8500	50
	230 x 3.2 x 22.23	9 x 1/8 x 7/8	42HCB23032T	6650	50

5/8-11" mounting hub available on request

TYPE	DIMENSIONS (D x T x B)		CUMI CODE	SPEED	PACK SIZE
	mm	inch			
	100 x 3.2 x 16	4 x 1/8 x 5/8	41HCB10032T	15300	100
	115 x 3.2 x 22.23	4-1/2 x 1/8 x 7/8	41HCB11532T	13300	100
	125 x 3.2 x 22.23	5 x 1/8 x 7/8	41HCB12532T	12250	100
	180 x 3.2 x 22.23	7 x 1/8 x 7/8	41HCB18032T	8500	50
	230 x 3.2 x 22.23	9 x 1/8 x 7/8	41HCB23032T	6650	50

5/8-11" mounting hub available on request

ALUMINIUM

Quick cutting wheel for Aluminium, non-ferrous and sticky metals.

CUMIFLEX PERFORMANCE

MATERIALS

Aluminium • Copper • Brass • Bronze

FEATURES

Superior grain - bond combination that prevents glazing & loading problems


A30 Q BF



MACHINE

TYPE



TYPE	DIMENSIONS (D x T x B)		CUMI CODE	SPEED	PACK SIZE
	mm	inch	PERFORMANCE	rpm	qty
	100X 3.2 X 16	4 x 1/8 x 5/8	41ALU10032T	15300	100
	115X3.2X22.23	4-1/2 x 1/8 x 7/8	41ALU11532T	13300	100
	123X3.2X22.23	5 x 1/8 x 7/8	41ALU12532T	12250	100
	180 x 3.2 x 22.23	7 x 1/8 x 7/8	41ALU18032T	8500	50
	230 x 3.2 x 22.23	9 x 1/8 x 7/8	41ALU23032T	6650	50

5/8-11" mounting hub available on request



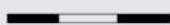
CUTTING & GRINDING WHEELS
**THIN CUTTING
WHEELS**

APPLICATION GUIDE

	CODE	PRODUCT DESCRIPTION	MATERIAL					
			Steel	Construction steel	Tool steel	Stainless steel	Alloy steel	Nuclear Industry
SS INOX	SA46 S BF / SA60 S BF	CUMIFLEX GOLD	•	•	•	•	•	•
	DA46 S BF / DA60 S BF	CUMIFLEX PERFORMANCE	•	•	•	•	•	•
CERAMIC	SG46 S BF / SG60 S BF	CUMIFLEX GOLD	•	•	•	•	•	•

• Main applications

AVAILABLE TYPES



TYPE 41



TYPE 42

SS - INOX

Special cutting wheel for use in nuclear power plants, free from Iron, Chlorine and Sulphur.

CUMIFLEX GOLD

MATERIALS

Nuclear Industry • Stainless Steel • Alloy Steel

FEATURES

- Superior grain - bond system for best in class results
- Fe, S, Cl < 0.1%

SA46 S BF / SA60 S BF



MACHINE



TYPE



CUMIFLEX PERFORMANCE

MATERIALS

Nuclear Industry • Stainless Steel • Alloy Steel

FEATURES

- Premium blend of abrasive grains for burr-free cutting
- Fe, S, Cl < 0.1%

DA46 S BF / DA60 S BF




MACHINE



TYPE



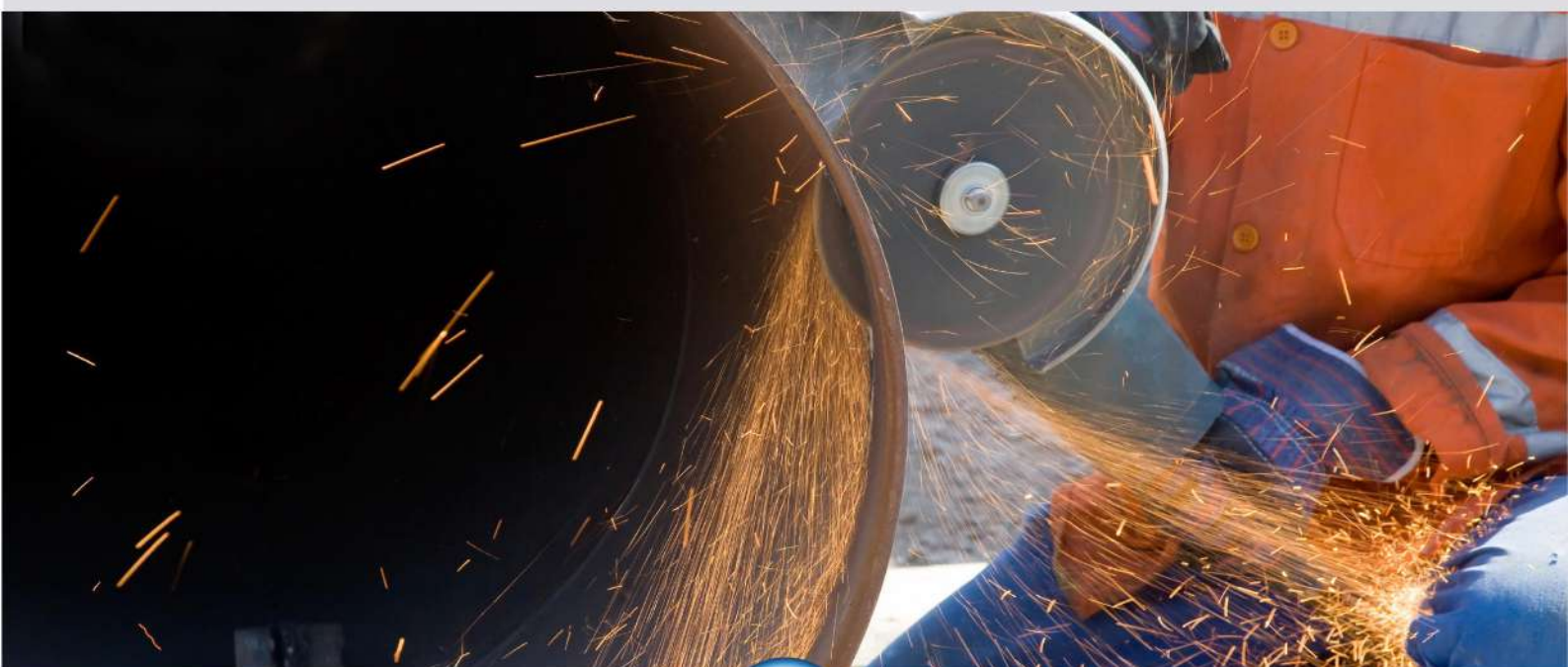
SS - INOX

TYPE	DIMENSIONS (D x T x B)		CUMI CODE		SPEED rpm	PACK SIZE qty
	mm	inch	GOLD	PERFORMANCE		
	100 x 1 x 16	4 x 0.04 x 5/8	41INO10010U	41INO10010T	15300	100
	100 x 1.2 x 16	4 x 3/64 x 5/8	41INO10012U	41INO10012T	15300	100
	100 x 1.6 x 16	4 x 1/16 x 5/8	41INO10016U	41INO10016T	15300	100
	100 x 2 x 16	4 x 5/64 x 5/8	41INO10020U	41INO10020T	15300	100
	115 x 1 x 22.23	4-1/2 x 0.04 x 7/8	41INO11510U	41INO11510T	13300	100
	115 x 1.2 x 22.23	4-1/2 x 3/64 x 7/8	41INO11512U	41INO11512T	13300	100
	115 x 1.6 x 22.23	4-1/2 x 1/16 x 7/8	41INO11516U	41INO11516T	13300	100
	115 x 2 x 22.23	4-1/2 x 5/64 x 7/8	41INO11520U	41INO11520T	13300	100
	125 x 1 x 22.23	5 x 0.04 x 7/8	41INO12510U	41INO12510T	12250	100
	125 x 1.2 x 22.23	5 x 3/64 x 7/8	41INO12512U	41INO12512T	12250	100
	125 x 1.6 x 22.23	5 x 1/16 x 7/8	41INO12516U	41INO12516T	12250	100
	125 x 2 x 22.23	5 x 5/64 x 7/8	41INO12520U	41INO12520T	12250	100
	180x1.6x22.23	7 x 1/16 x 7/8	41INO18016U	41INO18016T	8500	100
	180x1.9x22.23	7 x 5/64 x 7/8	41INO18019U	41INO18019T	6650	100
	230x1.9x22.23	9 x 5/64 x 7/8	41INO23019U	41INO23019T	6650	100

5/8-11" mounting hub available on request

TYPE	DIMENSIONS (D x T x B)		CUMI CODE		SPEED rpm	PACK SIZE qty
	mm	inch	GOLD	PERFORMANCE		
	115 x 1.6 x 22.23	4-1/2 x 1/16 x 7/8	42INO11516U	42INO11516T	13300	100
	115 x 2 x 22.23	4-1/2 x 5/64 x 7/8	42INO11520U	42INO11520T	13300	100
	125 x 1.6 x 22.23	5 x 1/16 x 7/8	42INO12516U	42INO12516T	12250	100
	125 x 2 x 22.23	5 x 5/64 x 7/8	42INO12520U	42INO12520T	12250	100
	180 x 1.6 x 22.23	7 x 1/16 x 7/8	42INO18016U	42INO18016T	8500	100
	180 x 1.9 x 22.23	7 x 5/64 x 7/8	42INO18019U	42INO18019T	6650	100
	230 x 1.9 x 22.23	9 x 5/64 x 7/8	42INO23019U	42INO23019T	6650	100

5/8-11" mounting hub available on request



CERAMIC

Thin cutting wheels with premium Ceramic Aluminium Oxide grains fractures under pressure thereby giving high cut rate.

CUMIFLEX GOLD

SG46 S BF / SG60 S BF

MATERIALS

Stainless Steel • Nuclear Industry

FEATURES

Micro crystalline fracture of ceramic grains yield quick cutting action with longer life



MACHINE

TYPE



TYPE	DIMENSIONS (D x T x B)		CUMI CODE	SPEED	PACK SIZE
	mm	inch			
	100 x 1 x 16	4 x 0.04 x 5/8	41CER10010U	15300	100
	100 x 1.2 x 16	4 x 3/64 x 5/8	41CER10012U	15300	100
	100 x 1.6 x 16	4 x 1/16 x 5/8	41CER10016U	15300	100
	115 x 1 x 22.23	4-1/2 x 3/64 x 7/8	41CER11510U	13300	100
	115 x 1.2 x 22.23	4-1/2 x 3/64 x 7/8	41CER11512U	13300	100
	115 x 1.6 x 22.23	4-1/2 x 1/16 x 7/8	41CER11516U	13300	100
	125 x 1 x 22.23	5 x 3/64 x 7/8	41CER12510U	12250	100
	125 x 1.2 x 22.23	5 x 3/64 x 7/8	41CER12512U	12250	100
	125 x 1.6 x 22.23	5 x 1/16 x 7/8	41CER12516U	12250	100

5/8-11" mounting hub available on request





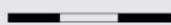
CUTTING & GRINDING WHEELS
LARGE DIAMETER
CUTTING WHEELS

APPLICATION GUIDE

		CODE	PRODUCT DESCRIPTION	MATERIAL													
				Steel	Construction steel	Tool steel	Stainless steel	Alloy steel	Grey Cast iron	SG Cast iron	Aluminium	Copper, Bronze, Brass	Granite, Marble	Ceramics	Concrete	Stone	
STEEL & STAINLESS STEEL	Center reinforced cutting wheel	A30 S BF41	CUMIFLEX PERFORMANCE	●	●	●	○	○									
	Double side reinforced cutting wheel	A30 T BF41	CUMIFLEX PERFORMANCE	●	●	●	○	○									
	For petrol saws	A30 S BF41	CUMIFLEX PERFORMANCE	●	●	●	○	○									
ZIRCONIA	Double side reinforced cutting wheel	ZA30 S BF41	CUMIFLEX PERFORMANCE	●	●	●	●	○	○								
STONE	Double side reinforced cutting wheel	C24 T BF41	CUMIFLEX PERFORMANCE							●	●	●	●	●		●	
	For petrol saws	C30 S BF41	CUMIFLEX PERFORMANCE							●	●	●	●	●		●	

- Main applications ○ Possible applications

AVAILABLE TYPE



TYPE 41

STEEL / STAINLESS STEEL (Centre reinforced cutting wheel)

Centre reinforced cutting wheels suitable for fast cutting of metal on chop saw machines.

CUMIFLEX PERFORMANCE

MATERIALS

- Steel
- Construction Steel
- Tool Steel
- Stainless Steel
- Alloy Steel

A30 S BF41

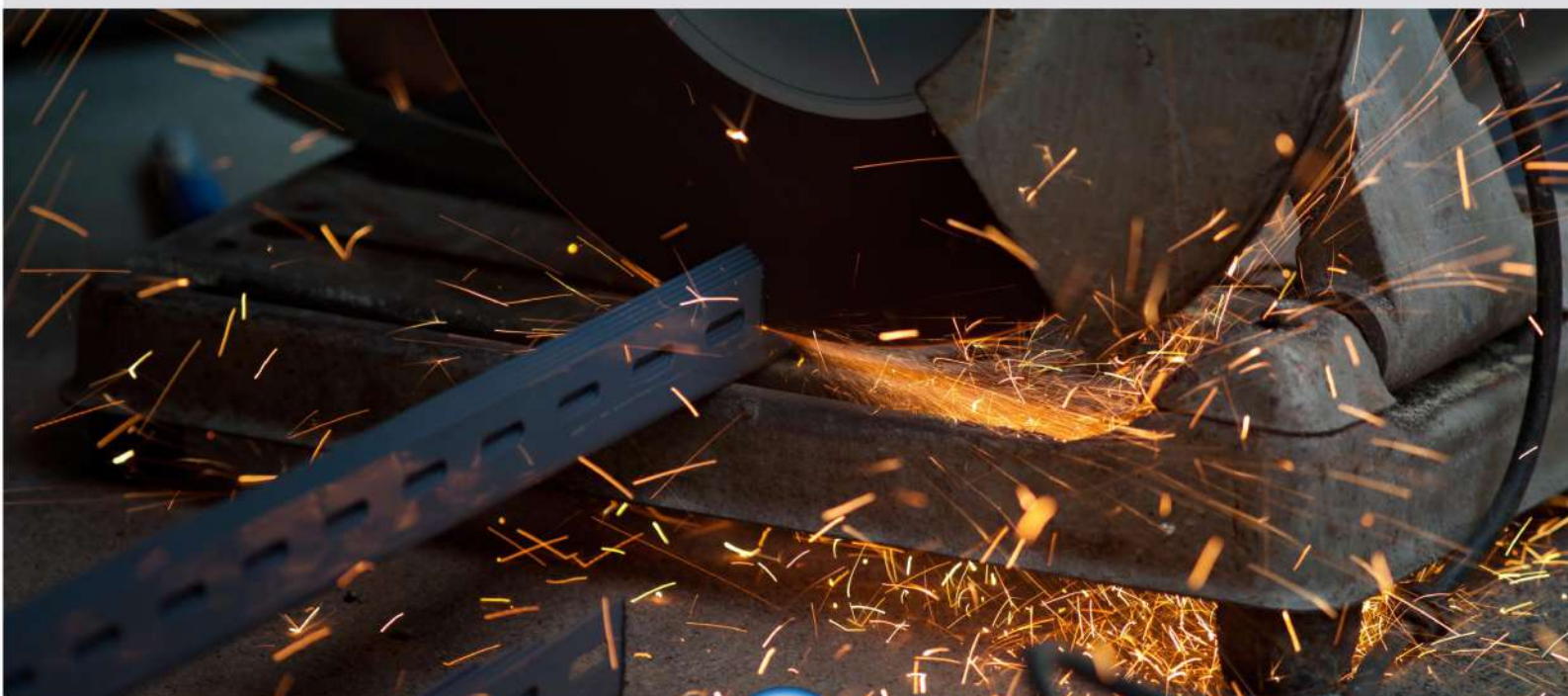


MACHINE

TYPE



CRITERIA	TYPE	DIMENSIONS (D x T x B)		CUMI CODE	SPEED	PACK SIZE
		mm	inch			
Centre reinforced		300 x 3.2 x 25.4	12 x 1/8 x 1	41CHA30032R	5100	25
		350 x 3.2 x 25.4	14 x 1/8 x 1	41CHA35032R	4400	25
		400 x 3.2 x 25.4	16 x 1/8 x 1	41CHA40032R	3850	25



STEEL / STAINLESS STEEL (Double Side reinforced cutting wheel)

Double side reinforced cutting wheels suitable for metal cutting on stationary saw machines

CUMIFLEX PERFORMANCE

A30 T BF41

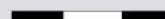
MATERIALS

- Steel
- Construction Steel
- Tool Steel
- Stainless Steel
- Alloy Steel



MACHINE

TYPE



CRITERIA	TYPE	DIMENSIONS (D x T x B)		CUMI CODE	SPEED	PACK SIZE
		mm	inch			
Double Side Reinforced		300 x 3.2 x 25.4	12 x 1/8 x 1	41HCT30032S	5100	25
		350 x 3.2 x 25.4	14 x 1/8 x 1	41HCT35032S	4400	25
		400 x 3.2 x 25.4	16 x 1/8 x 1	41HCT40032S	3850	25

STEEL / STAINLESS STEEL (For Petrol saw Machine)

CUMIFLEX PERFORMANCE

A30 S BF41

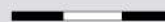
MATERIALS

- Steel
- Construction Steel
- Tool Steel
- Stainless Steel
- Alloy Steel



MACHINE

TYPE



CRITERIA	TYPE	DIMENSIONS (D x T x B)		CUMI CODE	SPEED	PACK SIZE
		mm	inch	PERFORMANCE	rpm	qty
Petrol saws		300 x 3.2 x 20	12 x 1/8 x 20 mm	41HPS30032S	5100	25
		350 x 3.2 x 20	14 x 1/8 x 20 mm	41HPS35032S	4400	25
		400 x 3.2 x 20	16 x 1/8 x 20 mm	41HPS40032S	3850	25

* Also available in 25.4 mm (1") bore

** Also available in 100 m/sec



ZIRCONIA (Double Side reinforced cutting wheel)

Double side reinforced cutting wheels suitable for metal cutting on stationary saw machines

CUMIFLEX PERFORMANCE

ZA30 T BF41

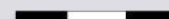
MATERIALS

- Steel
- Construction Steel
- Tool Steel
- Stainless Steel
- Alloy Steel
- Grey Cast iron
- SG Cast Iron



MACHINE

TYPE



CRITERIA	TYPE	DIMENSIONS (D x T x B)		CUMI CODE	SPEED	PACK SIZE
		mm	inch			
Double Side Reinforced		300 x 3.2 x 25.4	12 x 1/8 x 1	41ZRC30032S	5100	25
		350 x 3.2 x 25.4	14 x 1/8 x 1	41ZRC35032S	4400	25
		400 x 3.2 x 25.4	16 x 1/8 x 1	41ZRC40032S	3850	25

STONE (Double reinforced cutting wheel)

Double side reinforced cutting wheels suitable for stone, concrete and cast iron cutting on stationary machines.

CUMIFLEX PERFORMANCE

C24 T BF41

MATERIALS

- Grey Cast Iron
- SG Cast Iron
- Aluminium
- Copper
- Bronze
- Brass
- Granite
- Marble
- Ceramics
- Concrete
- Glass



MACHINE

TYPE



CRITERIA	TYPE	DIMENSIONS (D x T x B)		CUMI CODE	SPEED	PACK SIZE
		mm	inch			
Double Side Reinforced		300 x 3.2 x 25.4	12 x 1/8 x 1	41HCB30032S	5100	25
		350 x 3.2 x 25.4	14 x 1/8 x 1	41HCB35032S	4400	25
		400 x 3.2 x 25.4	16 x 1/8 x 1	41HCB40032S	3850	25

STONE (For Petrol saw machine)

Double side reinforced cutting wheels suitable for stone, concrete and cast iron cutting on petrol saw machine.

CUMIFLEX PERFORMANCE

MATERIALS

- Grey Cast iron
- SG Cast Iron
- Aluminium
- Copper
- Bronze
- Brass
- Granite
- Marble
- Ceramics
- Concrete
- Glass

C30 S BF41



MACHINE

TYPE



CRITERIA	TYPE	DIMENSIONS (D x T x B)		CUMI CODE	SPEED	Pack Size
		mm	inch	PERFORMANCE	rpm	Qty
Petrol saws		300 x 3.2 x 20	12 x 1/8 x 20 mm	41CPS30032S	5100	25
		350 x 3.2 x 20	14 x 1/8 x 20 mm	41CPS35032S	4400	25
		400 x 3.2 x 20	16 x 1/8 x 20 mm	41CPS40032S	3850	25

* Also available in 25.4 mm (1") bore

** Also available in 100 m/sec



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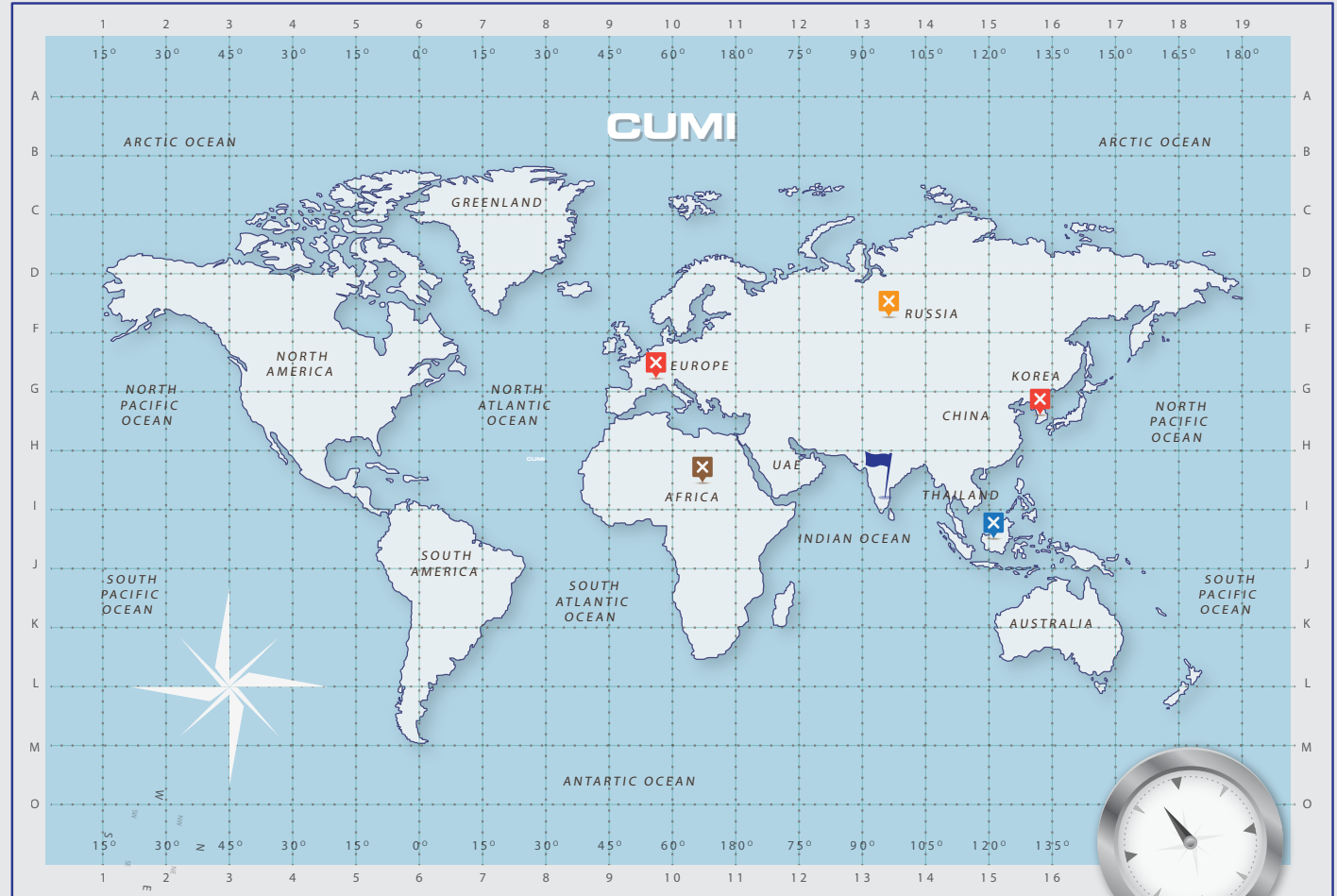
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