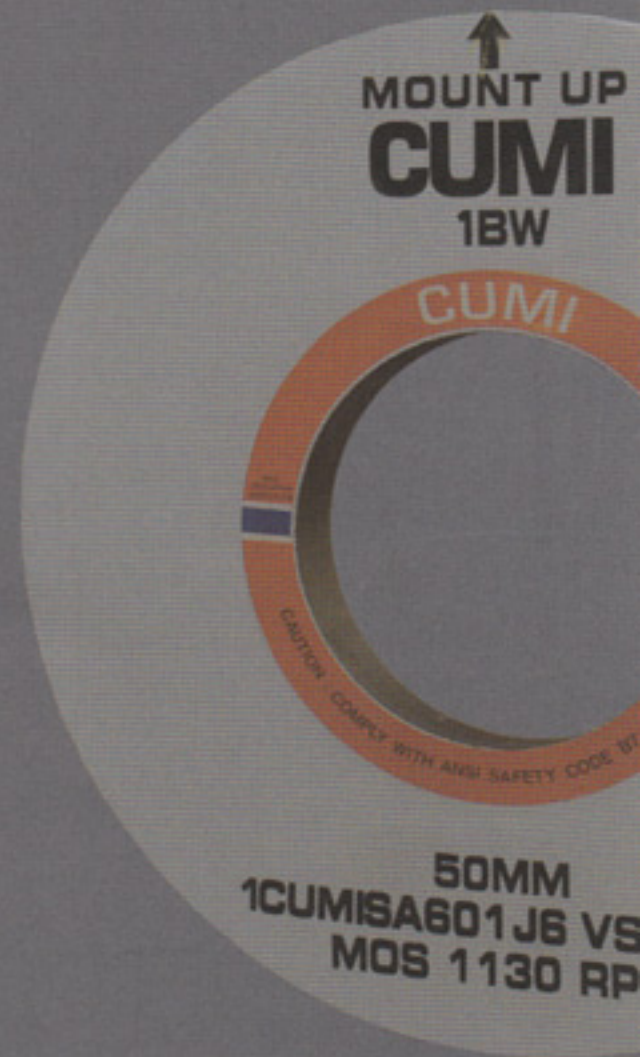


BONDED ABRASIVES

CUMI



murugappa



Vitrified Centreless Grinding Wheels

CUMI's range of Centreless Grinding Wheels include the versatile and time tested bond systems V10, V45, V2016, V1092, VG which provides high performance and is available in different sizes and grit combinations. These wheels are ideal for **difficult - to - grind materials**, which gives safety tolerances upto 60 mps. The unique characteristics of the highly fusible and cool cutting bonds used also imparts:

- ▶ Excellent form retention
- ▶ Excellent component finish
- ▶ Lesser dressing frequency

CUMI "Krystal" is the newly developed bond system which imparts excellent cutting action along with superior form retention and improved wheel life.

User Industries :

- ▶ Bearing Industry
- ▶ Cutting Tool Industry
- ▶ Automobile Industry
- ▶ Bar Grinding Industry

Product Range

Abrasive	Grain	Dia.(mm)	Thickness(mm)	Grit	Hardness	Structure	Types
Aloxide	A, AA, DA	300 - 600	75 - 250	36 - 120	I - O	5 - 7	1, 5, 7
Silicon Carbide	C, GC	300 - 600	75 - 250	36 - 120	I - N	5 - 7	1, 5, 7
Krystal	Spl grains	300 - 600	75 - 250	36 - 120	I - O	5 - 7	1, 5, 7

Product Recommendation

Regular		
Rough	A463 K5 V10 A463 L5 V10 A463 M5 V10 / A463 N5 V10	For Hardness 55 - 60 HRC For Hardness 45 - 60 HRC For Hardness 280- 330 BHN
Finish	A60 K5 V10 A60 L5 V10 A60 M5 V10 / A60 N5 V10	For Hardness 55 - 60 HRC For Hardness 45 - 60 HRC For Hardness 280- 330 BHN
Better Finish		
Rough	A463 K5 V2016 A463 L5 V2016 A463 M5 V2016 / A463 N5 V2016	For Hardness 55 - 60 HRC For Hardness 45 - 60 HRC For Hardness 280- 330 BHN
Finish	A60 K5 V2016 A60 L5 V2016 A60 M5 V2016 / A60 N5 V2016	For Hardness 55 - 60 HRC For Hardness 45 - 60 HRC For Hardness 280- 330 BHN
Better Productivity better Life		
Rough	A463 K5 V10X A463 L5 V10X A463 M5 V10X / A60 N5 V10X	For Hardness 55 - 60 HRC For Hardness 45 - 60 HRC For Hardness 280- 330 BHN
Finish	A60 K5 V10X A60 L5 V10X A60 M5 V10X / A60 N5 V10X	For Hardness 55 - 60 HRC For Hardness 45 - 50 HRC For Hardness 280 - 330 BHN



Wheel Types

Type 1	Type 5	Type 7

Cylindrical Grinding Wheels

CUMI's versatile range of Cylindrical Grinding Wheels are used for a variety of grinding operations that require fast stock removal, size generation, fine surface finish.

Special wheels are also available for multiple diameters and shoulder grinding with pre-formed wheel faces, where wheel gradings are adjusted for plunge grinding.

CUMI's Cylindrical grinding wheels find wide application in the grinding of Valves, Plunger pins, Eye bolts, transmission shafts, Bearing races, Cam shafts, Crank shafts etc.

Features

- ▶ Better form retention
- ▶ Excellent component finish
- ▶ Less dressing frequency

CUMI "Krystal" is the newly developed bond system which imparts excellent cutting action along with superior form retention and improved wheel life.

Product Range

Grain	Dia.(mm)	Thickness(mm)	Grit	Hardness	Structure	Types
A, DA	300 - 750	10 - 150	36 - 120	I - N	4 - 6	1, 5 & 7
AA	300 - 750	10 - 100	36 - 180	I - N	4 - 5	1, 5 & 7
C	300 - 750	10 - 100	36 - 220	I - N	4 - 5	1, 5 & 7
GC	300 - 750	10 - 60	46 - 220	I - N	4 - 5	1, 5 & 7
Krystal	300 - 750	10 - 100	46 - 120	I - N	4 - 6	1, 5 & 7



Product Recommendation

Material	Grading
Cast Iron	C461 L5 VG
Steel - Soft	A463 L5 V10
- Hardened	A463 K5 V10
- High Speed	AA46/54 K5 V8
- Stainless	C363 N5 VG
Tungsten Carbide	GC60 K5 VG
General Purpose	A463 L5 V10

Wheel Types

Type 1	Type 5	Type 7

Crank Shaft Wheels

CUMI's Crankshaft grinding wheels are made using special, high performance bond systems in a unique manufacturing process, tailored to suit each market segment. This manufacturing technology, coupled with the application engineering expertise, makes CUMI's Crankshaft grinding wheels highly cost effective. Besides optimising grinding efficiencies, these wheels also provide surface finish as fine as 4 microns. CUMI also makes dual grade, sandwich wheels with harder sides and softer centres, ideal for grinding crankshafts of differential hardness in diameter and fillet radius. These provide surface speeds upto 60 mps.

Features

- ▶ Better form retention
- ▶ Free cutting
- ▶ Higher life

CUMI "Supreme" is the newly developed product, with excellent fusibility & form retention, for superior performance.



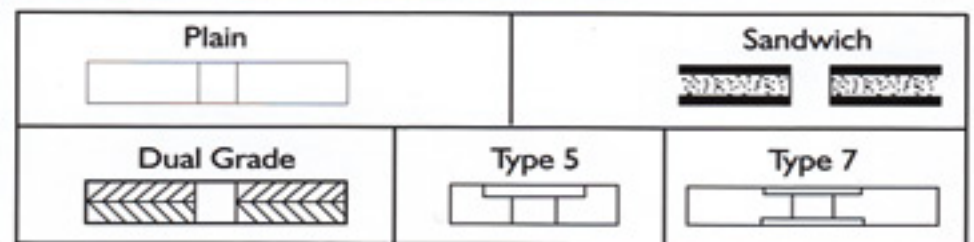
Product Range

Abrasive	Dia.(mm)	Thickness(mm)	Grit	Speed	Hardness	Structure
A	600 - 1200	20 - 50	46 - 80	33 - 60 mps	J - O	3 - 5
DA /AA / SA	600 - 1200	20 - 50	60 - 80	33 - 60 mps	J - O	3 - 5
Supreme	600 - 1200	20 - 50	60 - 80	33 - 60 mps	J - O	3 - 5

Product Recommendation

Material	Size & Grading	New Bond
Forged Steel - Soft	A463 N5 V10; A543 L5 V10X	V223,V2020,V500
Forged Steel - Hard	A463 I5 V10; DA543 K5 V2020	VK5
Cast Iron	DA46 I5 V10	VC500, VCAE
Nodular Iron	AA46 L5 V8	VC500, VCAE

Wheel Types for OEM's

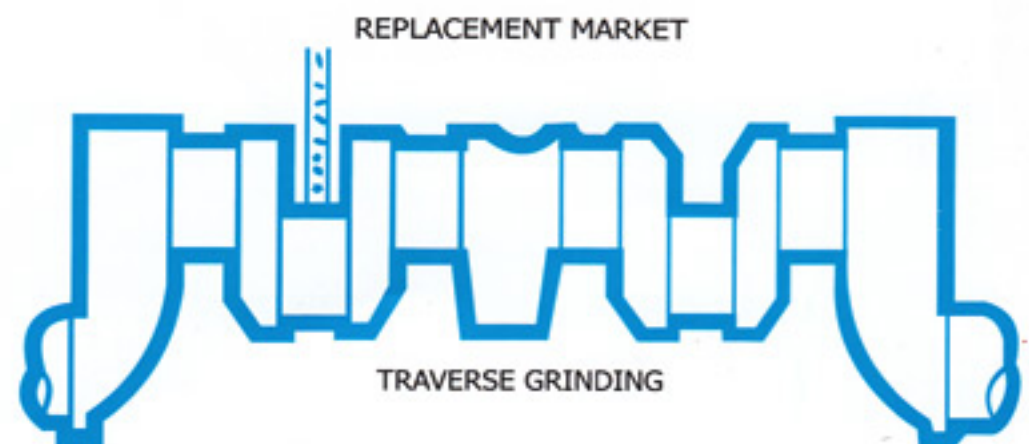


Crankshaft Re-grinding Wheels

Product Range

Size (In Inches)	Grading
26" x 0.75" x 6"	A463 L5 V10
26" x 0.875" x 6"	A463 L5 V10
26" x 1.26" x 8"	A463 L5 V10
28" x 1" x 8"	A463 L5 V10
30" x 1.58" x 8"	A463 L5 V10
30" x 1" x 8"	A463 L5 V10
31.5" x 1.10" x 8"	A463 L5 V10
31.5" x 1.26" x 8"	A463 L5 V10
32" x 1" x 8"	A463 L5 V10
35.4" x 1.5" x 12"	A463 L5 V10
36" x 1" x 12"	A463 L5 V10

CUMI also manufactures Crank Wheels for Engine re-building industry. These wheels are used for re-grinding crankshafts with the traverse grinding method.



Tool Room Grinding Wheels

Tool Room Grinding Wheels find vast applications in the manufacture and regrinding of cutting tools like drills, reamers, milling cutters, etc. Operations are carried out on the periphery of plain wheels (Type 1), face of cup wheels (Type 6 & 11) and edges of dish wheels (Type 12). These wheels are made of white aluminium oxide (AA) and Pink Aluminium oxide (RAA) abrasives. **Owing to their friable nature and sharp edge retention properties, CUMI's Tool Room wheels give very high productivity.** An exclusive bond system goes into the making which imparts superior properties of:

- ▶ Excellent form retention
- ▶ Excellent cutting action
- ▶ Dimensional accuracy
- ▶ Surface finish

Product Range		
Bond	V8	V206
Grain	AA	RAA
Dia (mm)	25 - 300	25 - 300
Thickness (mm)	3 - 25	6 - 25
Grit	46 - 180	46 - 120
Hardness	H - L	H - L
Structure	5	6



"VCOOL" is the newly developed bond system for all Tool Room application.

Product Recommendation	
Material	Grading
High Speed Steel	AA46/54 K5 V8, AA46/54 K5 VCOOL
Tools Steel	AA46/54 K5 V8, AA46/54 K5 VCOOL
High Alloy Steel	AA60 J5 V8, AA60 J5 VCOOL
Special Tool Steel	RAA60 K6 V206

Wheel Types			
Type I	Type 6	Type 11	Type 12

Internal Grinding Wheels

Internal grinding is a process of finishing the inside diameter of the component to an accurate size and desired finish. The high contact areas in this application poses a challenge and CUMI offers both conventional & high performance wheels.

Product Range						
Bond	Grain	Dia.(mm)	Thickness(mm)	Grit	Hardness	Structure
V10, V206, VG VF8,V8V144	A, DA, AA, RA, RAA, GC, CGC	10 - 120	5 - 75	36 - 220	H - N	5 - 8

Product Recommendation		
	High Performance	Conventional
Bearing / Steel	3MSB601/J6 VSAE 3MSB801/J6 VSAE	SA801TDV144
Auto Components	3MSB601/J6 VSAE	SA601TDV144



Green / Tip Grinding Wheels

These wheels are made with Silicon Carbide Grains and Available in Green(GC) and combination (CGC) grains. Silicon Carbide Abrasives are harder than Aluminium oxide which makes them ideal for grinding low tensile materials like tungsten carbide, grey iron, unannealed malleable iron and non ferrous materials, **A special bond system goes into the making which imparts superior properties like :**

- ▶ Excellent form retention
- ▶ Dimensional accuracy
- ▶ Surface finish

Product Range

CGC / Green	
Bond	VG
Grain	GC / CGC
Dia (mm)	100 - 250
Thickness (mm)	3 - 25
Grit	46 - 220
Hardness	H - L
Structure	5

Product Recommendation

Material	Application	Grading
Tool Steel	Surface	GC46H5VG
Tool Steel	Cylindrical	GC60J5VG
Tungsten Carbide	Cylindrical	GC60K5VG
HSS M42	Cylindrical	GC60I5VG
HSS M42	Surface	GC46H5VG



General Purpose - AIO Wheels

CUMI wheels cater to Bench Grinding , low speed snagging and various other general purpose application. **These wheels are made of Brown AIO (A) with bonds V6 & V30, thus providing high stock removal rate. Popular gradings are Coarse, Medium, Fine & A24R5V6. Product Selection is based on stock removal & finish requirement**

Product Range

Bond	V6, V30
Grain	A
Dia (mm)	20 - 450
Thickness (mm)	6 - 25
Grit	46 - 120, C, M, F
Hardness	H - L
Structure	5



Saw Sharpening (C Face)

CUMI wheels cater to Saw grinding application, These wheels are made of specially processed brown aluminium oxide (A) that give rapid action, cooler cutting and excellent finish. The self - dressing property of these abrasive result, in higher productivity of the wheels. Suitably designed bond systems are used to hold the abrasives strongly, thereby resulting in higher material removal rate and longer life.

Product Range

Grain	A
Dia (mm)	150 - 300
Thickness (mm)	6 - 30
Grit	46 - 60
Hardness	H - Q
Structure	5



Valve Lapping Compound

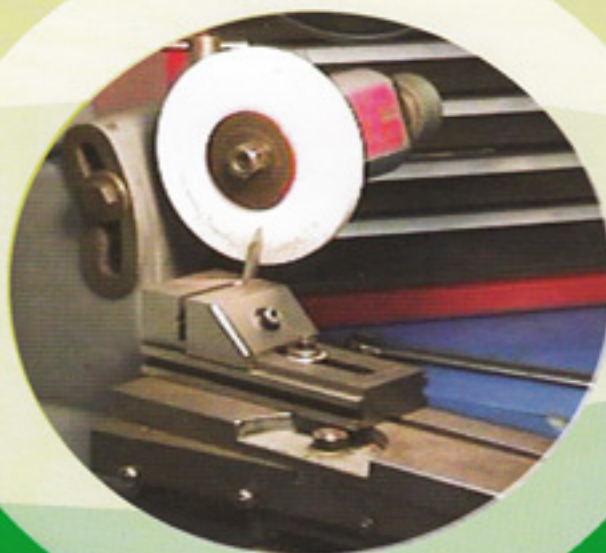
Used for polishing of Valve seats and disks

Product Range

Extra Coarse	L. NO.363	400 gm
Coarse	L. NO.362	400 gm
Medium	L. NO.361	400 gm
Fine	L. NO.360	400 gm



Also available in 50 gm Tubes (L. NO. 276)



Specialities

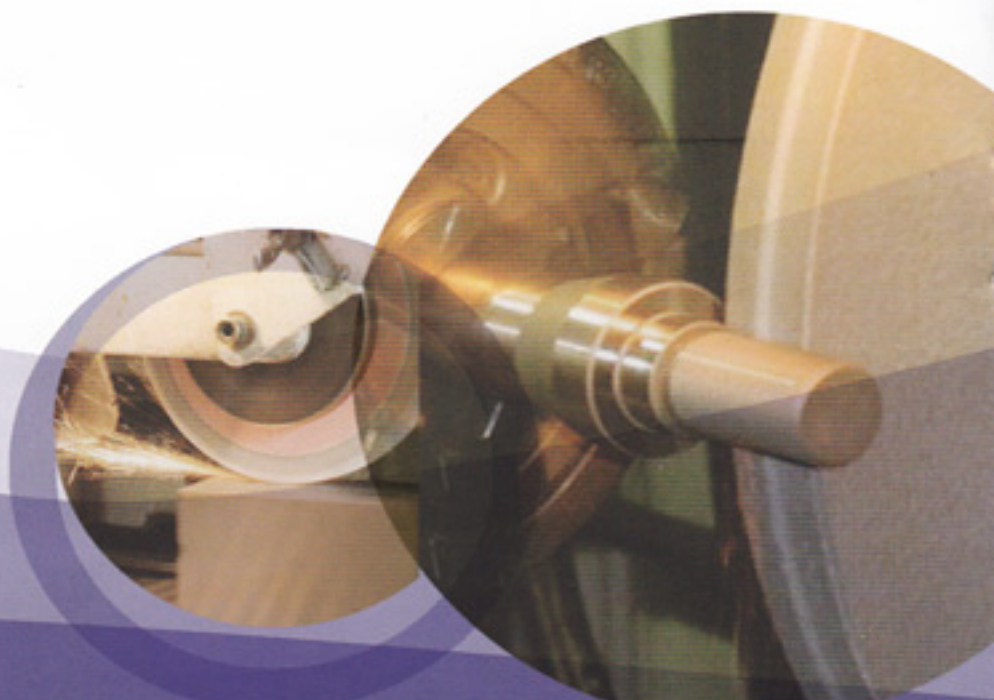
Specialities are Abrasive stones, sticks, blocks or cylinders of various sizes and cross sections used for sharpening or reconditioning chisels, plane-irons, gauges, knives, scythes, axes, shears and for polishing marble, mosaic, granite etc. These are made specifically to suit particular needs and the use of the right product will ensure both ease and speed in carrying out the sharpening or polishing jobs.

Combination Sharpening Stones				
No.	Length	Width	Thickness	
108	200	50	25	
109	150	50	25	
111	125	50	20	
112	100	45	15	
150	40	12		

Silicon Carbide Files		
List No.	Grade	Size & Shape
57C	Coarse	355 mm long including handle, taper bevel
57M	Medium	
57F	Fine	
57EF	Extra Fine	

Slip Stones				
List No.	Length	Width	Thickness	Grit
174	150 mm	55	20/10	Fine
175	150 mm	55	20/10	Medium
176	150 mm	55	20/10	Coarse
177	115 mm	45	6/1.5	Fine
178	115 mm	45	6/1.5	Medium
179	115 mm	45	6/1.5	Coarse

Rubbing Bricks			
List No.	Size	List No.	Size
205	150 x 75 x 50 mm	214	150 x 50 x 50 mm
206	200 x 75 x 50 mm	222	100 x 50 x 50 mm
211	200 x 50 x 50 mm		



Portable Grinding

A portable grinder is small grinder handled manually, which can be carried from place to place and used for rough grinding of large forging and welded joints. Since the operating pressures are quite low in the hand held portable grinders, the wheels have to highly fast cutting. The wheel design ensures excellent cutting action with least operator fatigue.

Product Range

Bond	Grain	Dia.(mm)	Grit	Hardness	Structure
BM6, BM4, BI551, BSN821, TD931A	A, C	40 to 200	14 - 24	R - Q	2 - 5

Recommendation Chart

Work Material	For Better Cutting Action	For Higher Wheel Life
M.S / Forged Steels	A163 R5 BM4	A163 R2 BM4
Cast Iron / Gray C.I.	A163 R5 BM4	A163 R2 BM4
S. G. Iron	C163 Q3 B1551	A 163 R5 BM4
Hi - Chrome / Ni Hard	A 163 BSN821	
Stainless Steel	A163 TD931A / A143 R5 BM6	
High Alloy Steel	A163 TD931A / A143 R5 BM4	



Pedestal Grinding

The Snagging wheels designed for Pedestal Grinding comes in the full range for Grinding various work material , These wheels are designed for giving long wheel life while maintaining good cutting action.

Product Range

Bond	Grain	Dia.(mm)	Grit	Hardness	Structure
BM4, B1551, TDR186, TDR758, BSN821, TD722, BM50	A, C, CA	300 to 600	14 - 36	R - Q	2 - 5

Recommendation Chart

Work Material	For Better Cutting Action	For Higher Wheel Life
M.S / Forged Steels	A163 R5 BM50 A163 R5 BM4 A143 R5 BM4	A163 R2 BM4 A163 R2 BM50 A163 TDR186
Cast Iron / Gray C.I.	C163 Q5 B1551 CA243 TDR505	C163 TDR719 CA145 TDR505C
S. G. Iron Railway Inserts	A163 R2 BM4	A163 TDR758
Hi - Chrome / Ni Hard	A163 BSN821	
Stainless Steel	A143 TD722	
High Alloy Steel	A163 R5 BM50	



Swing Frame Grinding

A combination of tough and durable Aluminium Oxide with a glassy and yet strong resin bond makes CUMI snagging wheels ideal for Swing frame grinding. The design ensures good cutting action with reduced wheel wear. The inbuilt features in design ensures that the wheels are very safe to use.

Product Range

Bond	Grain	Dia. (mm)	Grit	Hardness	Structure
BM4, BM50, B1551, TD722 BSG, BSN821, TDR505C	A, C, CA	400 to 500	14 - 36	R - Q	2 - 5
BHT1	AZA	400 to 500	10 - 12	V	-

Recommendation Chart

Work Material	For Better Cutting Action	For Higher Wheel Life
M.S / Forged Steels	A 163 R2 BM4, A 163 R5 BM50	A163 TDR186 A163 R2 BM50
Cast Iron / Gray C.I	C163 S3 B1551 CA243 TDR505	CA163 TDR505C C163 T3 BSG
S. G. Iron	A163 R2 BM4	A163 R2 BM50
Hi – Chrome / Ni Hard	A 143 TDR942C A143 Q5 BSN821	
Stainless Steel	A163 R5 BM4	A143 TD722
High Alloy Steel	A143 Q5 BSN821	A143 R5 BSN821



6" Resinoid Taper Cup Wheels

CUMI has developed a very special 6" Taper Cup Wheels for grinding of welded joints of RAILS by means of portable grinders.

152.4X50.8X22.23, SK 5824, A163 R2 BM4.

These wheels have exceptionally high cutting action and also good life.

CUMI has also come out with "THREADED NUT BORE" which will enable accurate mounting of wheels that ensures smooth running without any vibration.

Available in .5/8 - 11" threaded bush arbor.



Rubber Control & Centreless wheels

CUMI was the first abrasive manufacturer to produce Rubber Bonded Control wheels and Centreless wheels in India, The calendaring process enables excellent control in size & finish of components being ground.

Special features of these wheels are

- ▶ Longer wheel-life
- ▶ Lesser dressing frequency
- ▶ Superior form retention
- ▶ Superior surface finish

The Rubber bonded Control and Centreless grinding wheels for

- ▶ Bearing Industry
- ▶ Automobile Industry
- ▶ Hydraulic Industry
- ▶ Cutting Tool Industry
- ▶ General Purpose



Product Range - Rubber Control Wheels

Size Range	Diameter(mm)	100 - 400
	Thickness(mm)	25 to 250 max. Single Piece
Grain	Brown Aloxide	
Grit Size	80 to 180	
Grade	R to T	
Bond	Rubber - R	

Product Range - Rubber Centreless Wheels

Size Range	Diameter(mm)	50 - 600
	Thickness(mm)	Max. thickness 250 single piece
Grain	Brown Aloxide	
Grit Size	60 to 220	
Grade	K to M	
Bond	Rubber - RT1	

Product Recommendation

Control Wheels

For all conventional Centreless applications	A80 RR
For fine and precision applications	A120 RR A150 RR

Centreless Grinding Wheels

For Taper Roller OD	Grinding - Roughing	A80 LRT1
	Finishing	A220 LRT1
	Combined Roughing and Finishing	A80 LRT1
For Needle Roller OD	Grinding - Roughing	A120 LRT1
	Finishing	A220 LRT1
For Shock Absorber OD	Grinding - Roughing	AA80 LRT1
	Finishing	A220 LRT1





CARBORUNDUM UNIVERSAL LIMITED

Abrasives Divison : No. 655 Thiruvottiyur High Road, Thiruvottiyur, Chennai - 600 019.
Tel.: 91-44-4221 1000 Fax : 91 - 44 - 2573 3499

AREA OFFICES

AHMEDABAD: Tel: 079 - 26422501 / 26569721 Fax: 079 - 26568214 **BANGALURU:** Tel: 080 - 30770600 / 601 Fax: 080 - 25584785
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Bonded Abrasives



Tool Room Grinding Wheels

Tool Room Grinding Wheels find vast applications in the manufacture and regrinding of cutting tools like drills, reamers, milling cutters, etc. Operations are carried out on the periphery of plain wheels (Type 1) face of cup wheels (Type 6 & 11) and edges of dish wheels (Type 12). These wheels are of white aluminium oxide (AA) green silicon carbide (GC), pink (RAA) and brown (A) aluminium oxide abrasives.

Owing to their friable nature and sharp edge retention properties, CUMI's Tool Room wheels give very high productivity. An exclusive bond system goes into the making which imparts superior properties like :

- ▶ Excellent form retention
- ▶ Dimensional accuracy
- ▶ Surface finish

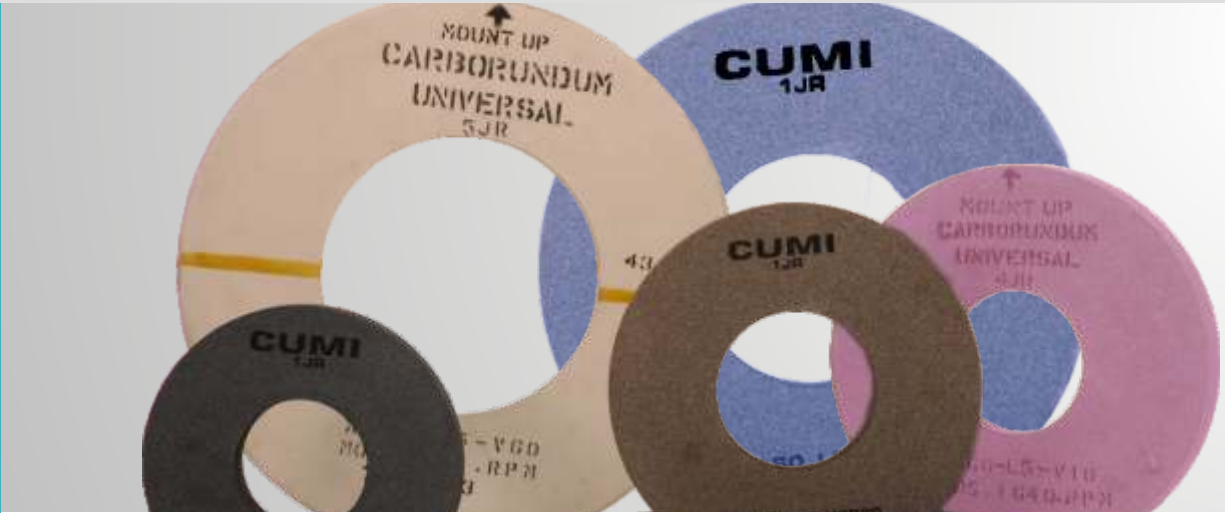
Product Recommendation

Material	Grading
High Speed Steels	AA46/54 K5 V8
Tools Steels	AA46/54 K5 V8
High Alloy Steels	AA60 J5 V8
Tungsten Carbide	GC60 K5 VG
Special Tool Steels	RAA60 K6 V206

Normal Speed of Operation : 25 to 33 m/s

Product Range

Bond	V10, V10X	V8, Vcool	VG, VK10	V206, V Cool	VCAE, VSAE, V500, VC500
Grain	A	AA	GC	RAA	83/MSB
Dia (mm)	100-200	80-250	100-250	100-200	100-250
Thickness (mm)	3-25	3-25	3-25	3-25	10-25
Grit	46-120	46-180	46-220	46-120	46-120
Hardness	H-L	H-L	H-L	H-L	H-L
Structure	5	5	5	6	6-8



Cylindrical Grinding Wheels

CUMI's versatile range of cylindrical grinding wheels are used for a variety of grinding operations that require size generation, fine surface finish and fast stock removal.




Special wheels are also available for multiple diameters and shoulder grinding with pre-formed wheel faces, where wheel gradings are adjusted for plunge grinding.

CUMI's cylindrical grinding wheels find wide application in the grinding of valves, plunger pins, eye bolts, transmission shafts, bearing races, cam shafts, crank shafts etc.

Product Recommendation

Material	Grading
Cast Iron	C 461 L5 VG
Steel - Soft	A 463 L5 V10 X
- Hardened	A463 K5 V10 X
- High Speed	AA46/54 K5 V8
- Stainless	C 363 N5 VG
Tungsten Carbide	GC60 K5 VG
General Purpose	A463 L5 V10 X

Wheel Types

Type 1	Type 5	Type 7
		

Product Range

Abrasive	Dia.(mm)	Thickness	Grit	Hardness	Structure	Types
A, DA	300 - 1200	6 - 150	36 - 120	I - N	3 - 6	1, 5 & 7
AA	300 - 600	6 - 100	36 - 180	I - N	4 - 5	1, 5 & 7
C	300 - 600	6 - 100	36 - 220	I - N	4 - 5	1, 5 & 7
GC	300 - 600	6 - 60	46 - 220	I - N	4 - 5	1, 5 & 7
GC	300 - 600	60 - 100	46 - 120	I - M	4 - 5	1, 5 & 7

Bonded Abrasives



Ball Master

CUMI's Ball Grinding Wheels are manufactured to exacting standards and are acknowledged to be of the highest quality by many of the largest ball manufacturing companies in the world. Lower grinding cycle time, resulting in reduced production costs and quality of the final product makes CUMI's ball grinding wheels the preferred and viable option.

Product Range	
Abrasive Type	Black Silicon Carbide (C)
Grit Range	100 - 400
Hardness	V, X & Z
Dia. (mm)	280 - 660
Thickness (mm) max*	75
Bond	VB
Toughness	1, 3, 5

* For above 660 mm wheel dia, we can offer upto 140 mm wheel thickness

Why a CUMI Ball Wheel ?

- ▶ Captive grain supply
- ▶ On going R & D and in-house bond preparation
- ▶ Pro-active product development
- ▶ Tailor-made specifications to meet customer needs
- ▶ Dedicated manufacturing team
- ▶ Specialised application engineering support

Product Recommendation					
Criteria 1	Max. Ball diameter (mm)	<=6	7-11	12-25	>25
	Grit Selection	G 400 G 320	G 280 G 240 G 220	G 180 G 150	G 120 G 100
Criteria 2	Grinding ratio	Low	Medium		High
	Wheel hardness Selection	V	X		Z
Criteria 3	Material removal rate (MRR)	High	Intermediate		Low
	Wheel toughness selection code	1	3		5

Ball Master

Bonded Abrasives



Flute Grinding Wheels

CUMI is one of the very few manufacturers today producing the complete range of wheels for the cutting tool industry. CUMI's unique bond systems cater to variety of applications in the cutting tool industry. These bond systems provide better form retention and also reduces cycle time through higher material removal rate. The latest generation SG products gives much higher in feeds, lower cycle time and generates high tolerances at lower cost per tool.

Product Range

Parameters	Drill Flute Grinding	Tap Flute Grinding
Diameter mm	150 - 500	100 - 450
Thickness mm	3 - 20	2 - 25
Grain Size	80 - 120	80 - 120
Grain	AA, SA, SG	SA, RA, SG, AA
Bond	BHK, BHX	BHK, BHX
Benefits	Burn free finish More parts / dress Longer wheel life	Burn free finish More parts / dress Excellent form retention

Product Recommendation

Operation	Component	Size	Selection	
			Conventional	Premium
Flute Grinding	Drill	300 x T x 127 406 x T x 203.2 457 x T x 203.2 (T = 3 to 20 mm)	AA 100 R19 BHK / 80	3SG 100 R19 BHX / 80 3SA 80 R19 BHX / 80
			RA 80 R19 BHK / 80	3SA 80 R20 BHX / 80 SGA 80 TDR 366 / 80
Flute Grinding	Taps	150 x T x 76.2 200 x T x 76.2 300 x T x 76.2 400 x T x 127 (T = 3 to 20 mm)	RA 80 R19 BHK / 80	3SA 80 R20 BHX / 80 SGA 80 TDR 366 / 80

Bonded Abrasives



Roll Grinding Wheels

CUMI's Roll Grinding Wheels are extensively used in steel rolling mills for grinding the rolls in their roll shop. CUMI has the complete product range to grind various types of rolls for Hot as well as Cold rolling mills. CUMI has both conventional and micro crystalline abrasives. It offers exceptional cutting action with less wheel wear.

Product Range

Selection Parameters	Work Roll		Back up Roll	
	HRM*	CRM*	HRM*	CRM*
Wheel Diameter	Upto 1100 mm	Upto 1100 mm	Upto 1100 mm	Upto 1100 mm
Wheel Thickness	Upto 150 mm	Upto 150 mm	Upto 150 mm	Upto 150 mm
Roll Material	High Chrome Iron, ICDP, HSS	Forged Steel	High Chrome Iron, ICDP, HSS	Cast Steel
Type of Grains	Green Silicon Carbide (GC), Micro Crystal (SG)	Alu. oxide (A,SA) Micro Crystal (SG)	Alu. oxide (A,DA,SA) Micro Crystal (SG)	Alu. oxide (A,SA) Micro Crystal (SG)
Popular Grits	30,36,46,60	46 to 100	30, 36	24 to 36
Type of Bond	TDR206, B14X	TDR384, B14, B14X	B14, TDR384	TDR384, B14Y
Hardness	H - M	H - M	H - L	H - L
Structure	5 to 9	5 to 9	5 to 9	5 to 9
Wheel Speed	33 to 60 MPS	33 to 60 MPS	33 to 60 MPS	33 to 60 MPS

* Hot Rolling Mills (HRM) and Cold Rolling Mills (CRM)

Bonded Abrasives

Product Recommendation

Hot strip Mill

Roll Type	Grinding Wheel		CUMI's Metal Working Fluid
	Conventional	Premium	
Work Roll	GC361 TDR112MRA	3SG36 L6 B14X	Cimtech D14
Back Up Roll	3SA 36 I5 B14	3SG36 J6 B14Y	Cimtech D14

Cold Rolling Mill

Roll Type	Grinding Wheel		CUMI's Metal Working Fluid
	Conventional	Premium	
Work Roll	3SA60 J5 B14	3SG60 J6 B14X	Cimstar MB602C
Back Up Roll	3SA 36 I5 B14	3SG36 J6 B14Y	Cimstar MB602C

Bonded Abrasives



Razor Blade Wheels

Razor Blade Grinding Wheels

CUMI's Razor Blade wheels are made of a special resilient bond with fine grit silicon carbide manufactured under a strictly monitored hot press moulding process. These include:

- ▶ Rough Hone Wheels
- ▶ First Hone Wheels
- ▶ Final Hone Wheels

The Razor Blade Wheels are extensively used for grinding carbon steel blades, stainless steel blades, double edge and twin track blades. CUMI one of the few manufacturers world wide has the advanced technology for making semi finishing and finishing wheels.

Rough Hone Wheels

Abrasive	Black silicon carbide of 240 or 320 grit
Bond	Shellac or Special type of Phenolic resin
Size	200 x 76 x 95.25 mm
Grading available	C240 K5 BYZ, C240 P RBG, C240 TRH022

First Hone Wheels

Abrasive	Black silicon carbide in 400 or 500 or 600 grit
Bond	Very special type of heat hardening resin
Size	150 x 127 x 57.15 mm
Grading available	C500 P5 BYZ, C400 M5 BYZ, C500 TDR A056, C600 H6 BG

Final Hone Wheels

Abrasive	Aluminium oxide in 800 grit
Bond	Very special type of heat hardening resin
Size	150 x 127 x 57.15 mm
Grading available	A800 Q5 BYZ , A800 T4 BYZ

Bonded Abrasives



Specialities

Specialities are Abrasive stones, sticks, blocks or cylinders of various sizes and cross sections used for sharpening or reconditioning chisels, plane-irons, gauges, knives, scythes, axes, shears and for polishing marble, mosaic, granite etc. These are made specifically to suit particular needs and the use of the right product will ensure both ease and speed in carrying out the sharpening or polishing jobs.

Product Range

Combination Sharpening Stones

No.	Length mm	Width mm	Thickness mm
108	200	50	25
109	150	50	25
111	125	50	20
112	100	45	15
113	150	40	12

Silicon Carbide Files

List No.	Grade	Size & Shape 355 mm long including handle, taper bevel
57C	Coarse	
57M	Medium	
57F	Fine	
57EF	Extra Fine	

Slip Stones (mm)

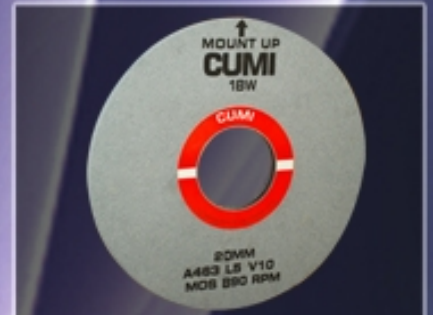
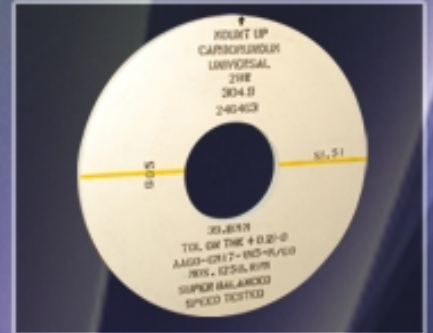
List No.	Length	Width	Thickness	Grit
174	150	55	20 / 10	Fine
175	150	55	20 / 10	Medium
176	150	55	20 / 10	Coarse
177	115	45	6 / 1.5	Fine
178	115	45	6 / 1.5	Medium
179	115	45	6 / 1.5	Coarse

Rubbing Bricks (mm)

List No.	Size	List No.	Size
205	150 x 75 x 50	214	150 x 50 x 50
206	200 x 75 x 50	222	100 x 50 x 50
211	200 x 50 x 50		



Abrasives for Crank Shaft Industry



INTRODUCTION

CUMI is the global manufacturer of Crankshaft grinding wheels for grinding entire range of crank shafts used in various industries like.

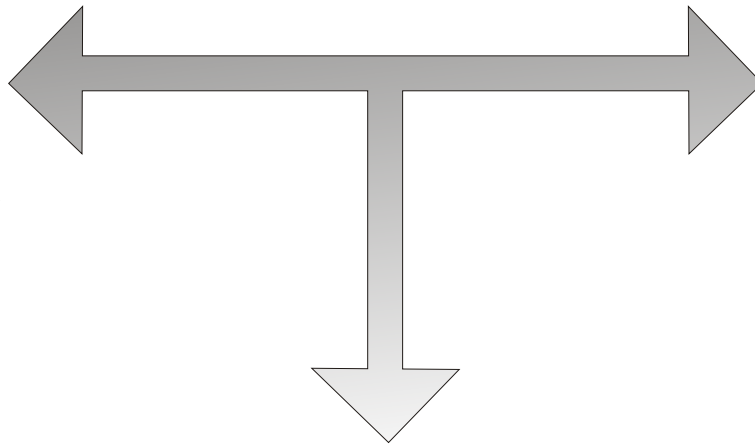
1. Light and Heavy commercial vehicles
2. Motor cars
3. Two wheelers
4. Generators
5. Ship building.

Crankshaft Grinding

CUMI's Crankshaft Grinding wheels are made using special, high performance bond systems in an unique manufacturing process, tailored to suit each market segment. This manufacturing technology coupled with the application engineering expertise offered, makes CUMI's crankshaft grinding wheels highly cost effective. Besides optimizing grinding efficiencies, the wheels also provide better surface finish and perpendicularity. CUMI also specializes in making Sandwich wheels with harder sides and soft centers, ideal for grinding crankshafts of differential hardness in diameter and fillet radius. CUMI makes crank wheels for Engine re-building industry and these wheels are used for re-grinding crankshafts with the traverse grinding method and available in standard sizes.

Industry Segments

- ▶ Auto OEMS
- ▶ Auto Ancillary
- ▶ Defense
- ▶ Replacement Market



CRANK SHAFT

Grinding Wheel Application

- ▶ Journal Grinding
- ▶ Shank Grinding
- ▶ Pin Grinding
- ▶ Flange Grinding

Types of machines

- ▶ Single wheel Mounting
- ▶ Twin wheel mounting
- ▶ Multi wheel setup (Gang Grinding)

Used by OEM's on machines	Used in replacement market on machines	
Naxos union	Zanrosso	Prince
Landis	Tos	Berco
Newall	Churchill	Amc
Gendron	Vannorman	Rex
Norton	Lampco	Ribbon
Toyada	Schledum	Schou
Fortuna	Landis	Norton
Saimp	Storm vulcan	Bjm

Crankshaft Grinding

Product Range

Abrasive Type	Diameter	Thickness	Grit	Speed	Hardness	Structure	Type of Bond
A	600 - 1200	25 - 50*	46 - 80	33 / 45	I - O	4.5 & 7	V10, V45, V10X, V45X
DA	600 - 1200	25 - 50*	46 - 80	33 / 45 / 60	I - O	4, 5 & 7	V10, V10X, V45, V5X, V2018, V223, V2020, V500
AA	600 - 1200	25 - 50*	46 - 80	45 / 60	I - O	4, 5 & 7	V45, V223, V2020, VK5, V500
AA	600 - 1200	25 - 50*	46 - 80	45 / 60	I - O	4, 5 & 7	V45, V223, V2020, V500
CUMISA	600 - 1200	25 - 50*	46 - 80	60	I - O	5 & 6	VCAE, VSAE, V2020, V500

* Upto 75 mm for replacement market

Type of Material / Speed	Starting Recommendations		
	33 mps	45 mps	60 mps
Forged Steel-Soft	A463 N5 V10 A543 L5 V10X	A463 K5 V2018 A543 K5 V45	DA60 J5 V2018
Forged Steel-Hard	A463 L5 V10 A543 K5 V10 DA543 K5 V2020 V2018/V2020/	A463 L5 V45 A543 J+5 V45 A543 K5..... TDV524	DA543 J5 V2018 Da601 J5 V2018 1CUMISA601 TDV765
Cast Iron	DA463 M5 V10	DA463 L5 V45 DA543 K5 V45	DA543 J+5 V2018 DA543 K5 V2020
Nodular Iron	AA463 L5 V8	AA463 K5 V2018 AA543 K5 V2020	AA60 CM17 VK5 AA60 J5 V2020
SG Iron	DA543 K5 V524 DA463 L5 V15	DA601 K5 V2018 DA463 L5 V45	DA801 K+5 V223 DA601 J+5 V2018 AA60 CM17 VK5 AA463 CM27 VK5 1CUMISA 601 TDV765 3CUMISA80 L6 V807 1CUMISASOL L6 V500 / 60

Crankshaft Grinding

Benefits

- High stock removal
- Lower cycle time / higher productivity
- More parts / dress
- Longer wheel Life
- Good / consistent surface finish
- Better dimensional accuracy
- Cooler cutting - burn free / crack free components
- Reduction in grinding cost

Features

- Good form retention
- More parts / dress
- Better cutting action



SS Inox



Depressed Centre Grinding Wheels - Type 27

Type 27



Cumi Code	Dimensions (D T H)		Specifications	Speed RPM	Pack size Unit
	mm	Inch			
27INO10063T	100 6.3 22.23	4 1/4 5/8	DA36TBF	15280	100
27INO11560T	115 6 22.23	4 1/2 1/4 7/8	DA36TBF	13260	100
27INO12540T	125 4 22.23	5 5/32 7/8	DA36TBF	12200	100
27INO12560T	125 6 22.23	5 1/4 7/8	DA36TBF	12200	100
27INO18063T	180 6.3 22.23	7 1/4 7/8	DA24TBF	8500	25
27INO23063T	230 6.3 22.23	9 1/4 7/8	DA24TBF	6500	25

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

Depressed centre Cutting Wheels - Type 42

Type 42

Cumi Code	Dimensions (D T H)		Specifications	Speed RPM	Pack size Unit
	mm	Inch			
42INO10010T	100 1 16	4 3/64 5/8	DA60TBF	15280	100
42INO10016T	100 1.6 16	4 1/16 5/8	DA46TBF	15280	100
42INO10020T	100 2 16	4 5/64 5/8	DA36TBF	15280	100
42INO10025T	100 2.5 16	4 3/32 5/8	DA36TBF	15280	100
42INO10032T	100 3.2 16	4 1/8 5/8	DA36TBF	15280	100
42INO12510T	125 1 22.23	5 3/64 7/8	DA60TBF	12200	100
42INO12516T	125 1.6 22.23	5 1/16 7/8	DA46TBF	12200	100
42INO12520T	125 2 22.23	5 5/64 7/8	DA36TBF	12200	100
42INO12525T	125 2.5 22.23	4 3/32 7/8	DA36TBF	12200	100
42INO12532T	125 3.2 22.23	5 1/8 7/8	DA36TBF	12200	100
42INO18010T	180 1 22.23	7 3/64 7/8	DA60TBF	8500	50
42INO18020T	180 2 22.23	7 5/64 7/8	DA36TBF	8500	50
42INO18032T	180 3.2 22.23	7 1/8 7/8	DA24TBF	8500	50
42INO23032T	230 3.2 22.23	9 1/8 7/8	DA24TBF	6500	50

Special depressed centre cutting wheels designed free from Iron, Chlorine and Sulphur.

Cutting Wheels - Type 41

Type 41

Cumi Code	Dimensions (D T H)		Specifications	Speed	Pack size
	mm	Inch		RPM	Unit
41INO10010T	100 1 16	4 ³ / ₆₄ ⁵ / ₈	DA60TBF41	15280	100
41INO10016T	100 1.6 16	4 ¹ / ₁₆ ⁵ / ₈	DA46TBF41	15280	100
41INO10020T	100 2 16	4 ⁵ / ₆₄ ⁵ / ₈	DA36TBF41	15280	100
41INO10025T	100 2.5 16	4 ³ / ₃₂ ⁵ / ₈	DA36TBF41	15280	100
41INO10032T	100 3.2 16	4 ¹ / ₈ ⁵ / ₈	DA36TBF41	15280	100
41INO11510T	115 1 22.23	4 ¹ / ₂ ³ / ₆₄ ⁷ / ₈	DA60TBF41	13260	100
41INO11516T	115 1.6 22.23	4 ¹ / ₂ ¹ / ₁₆ ⁷ / ₈	DA46TBF41	13260	100
41INO11520T	115 2 22.23	4 ¹ / ₂ ⁵ / ₆₄ ⁷ / ₈	DA36TBF41	13260	100
41INO11525T	115 2.5 22.23	4 ¹ / ₂ ³ / ₃₂ ⁷ / ₈	DA36TBF41	13260	100
41INO11532T	115 3.2 22.23	4 ¹ / ₂ ¹ / ₈ ⁷ / ₈	DA36TBF41	13260	100
41INO12510T	125 1 22.23	5 ³ / ₆₄ ⁷ / ₈	DA60TBF41	12200	100
41INO12516T	125 1.6 22.23	5 ¹ / ₁₆ ⁷ / ₈	DA46TBF41	12200	100
41INO12520T	125 2 22.23	5 ⁵ / ₆₄ ⁷ / ₈	DA36TBF41	12200	100
41INO12525T	125 2.5 22.23	5 ³ / ₃₂ ⁷ / ₈	DA36TBF41	12200	100
41INO12532T	125 3.2 22.23	5 ¹ / ₈ ⁷ / ₈	DA36TBF41	12200	100
41INO18032T	180 3.2 22.23	7 ¹ / ₈ ⁷ / ₈	DA24TBF41	8500	50

Special cutting wheel for use in nuclear power plants, free from Iron, Chlorine and Sulphur. The ultra thin wheels are most suitable for material with small cross section.



HAND PADS



Hand Pads

CUMI offers wide range of nonwoven abrasive hand pads for free sanding and machine sanding operations. Made from premium quality Nylon web, coated with high performance synthetic abrasives and water proof resin bond system. These products do not load / clog and can be used for both wet / dry applications.

AJAX ALO MEDIUM HAND PADS

Product Description

Heavy duty ALO medium tan hand pads for hand sanding and machine sanding applications.

Product Features

- Premium quality Nylon fiber
- Synthetic water proof resin bond
- Superior finish
- High performance ALO grain
- Multi-coat



Product Code	Grit	Colour	Size (mm)	Best Suited For
AJAX CX 02	Medium	Tan	150 x 230	<ul style="list-style-type: none"> • Generating coarse finish pattern on metal • Sanding of ceramic and sanitary wares • Light de-burring

CUMITEX SUPER ALO VERYFINE HAND PADS

Product Description

Medium duty ALO veryfine maroon hand pads for hand sanding applications.

Product Features

- Premium quality Nylon fiber
- Synthetic water proof resin bond
- Superior finish
- High performance ALO grain
- Single coat



Product Code	Grit	Colour	Size (mm)	Best Suited For
Cumitex super	Veryfine	Maroon	150 x 230	<ul style="list-style-type: none"> • General purpose cleaning • Rust and oxide removal • Generating satin finish pattern

CUMITEX GP ALO VERYFINE HAND PADS

Product Description

Medium duty ALO veryfine maroon hand pads for machine sanding applications.

Product Features

- Premium quality Nylon fiber
- Synthetic water proof resin bond
- Excellent finish
- High performance ALO grain
- Single coat



Product Code	Grit	Colour	Size (mm)	Best Suited For
Cumitex GP	Veryfine	Maroon	150 x 230	<ul style="list-style-type: none"> • Excellent finish and RA values on metal • Orbital sanders • Wood sanding





CUMITEX GOLD ALO VERYFINE HAND PADS

Product Description

Light duty ALO veryfine maroon hand pads for hand sanding applications.

Product Features

- Premium quality Nylon fiber
- High performance ALO grain
- Synthetic water proof resin bond
- Single coat
- Superior finish

Product Code	Grit	Colour	Size (mm)	Best Suited For
Cumitex Gold	Veryfine	Maroon	150 x 230	<ul style="list-style-type: none"> • General purpose cleaning • Rust and oxide removal • Generating satin finish pattern



AJAX ALO VERYFINE HAND PADS

Product Description

Heavy duty ALO veryfine maroon hand pads for hand sanding and machine sanding applications.

Product Features

- Premium quality Nylon fiber
- High performance ALO grain
- Synthetic water proof resin bond
- Multi-coat
- Superior finish

Product Code	Grit	Colour	Size (mm)	Best Suited For
AJAX CX 01	Veryfine	Maroon	150 x 230	<ul style="list-style-type: none"> • Generating satin finish pattern on metal • Rust and oxide removal • Light de-burring



AJAX GREEN ALO VERYFINE HAND PADS

Product Description

Medium duty ALO veryfine green hand pads for machine sanding applications.

Product Features

- Premium quality Nylon fiber
- High performance ALO grain
- Synthetic water proof resin bond
- Single coat
- Excellent finish

Product Code	Grit	Colour	Size (mm)	Best Suited For
Ajax Green	Veryfine	Green	150 x 230	<ul style="list-style-type: none"> • Excellent finish and RA values on metal • Orbital Sanders • Wood sanding



AJAX SIC ULTRAFINE HAND PADS

Product Description

SIC ultrafine grey hand pads for hand sanding and machine sanding applications

Product Features

- Premium quality Nylon fiber
- High performance ALO grain
- Synthetic water proof resin bond
- Single coat
- Excellent finish

Product Code	Grit	Colour	Size (mm)	Best Suited For
AJAX CX03	Sic Ultrafine	Grey	150 x 230	<ul style="list-style-type: none"> • Generating glossy finish on metals • Architectural metal works • Auto after and paint shop



AJAX SIC MICROFINE HAND PADS

Product Description

SIC microfine grey hand pads for hand sanding and machine sanding applications.

Product Features

- Premium quality Nylon fiber
- High performance ALO grain
- Synthetic water proof resin bond
- Single coat
- Excellent finish

Product Code	Grit	Colour	Size (mm)	Best Suited For
AJAX CX04	Sic Microfine	Grey	150 x 230	<ul style="list-style-type: none"> • Generating glossy finish on metals • Architectural metal works • Auto after and paint shop





NONWOVEN ROLLS



Nonwoven Rolls

CUMI offers wide range of nonwoven abrasive rolls for free sanding as well as use machine sanding operations. Made from premium quality Nylon fiber and coated with high performance synthetic abrasives and water proof resin bond, these products do not load / clog and can be used for both wet / dry applications.

AJAX ALO MEDIUM ROLLS

Product Description

Heavy duty ALO medium tan rolls for hand sanding and machine sanding applications.

Product Features

- Premium quality Nylon fiber
- Synthetic water proof resin bond
- Superior Finish
- High performance ALO grain
- Multi-coat



Product Code	Grit	Colour	Size (mm)	Best Suited For
AJAX CX 02	Medium	Tan	150 x 230	<ul style="list-style-type: none"> • Generating coarse finish pattern on metal • Sanding of ceramic and sanitary wares • Light de-burring

CUMITEX SUPER ALO VERYFINE ROLLS

Product Description

Medium duty ALO veryfine maroon rolls for hand sanding applications.

Product Features

- Premium quality Nylon fiber
- Synthetic water proof resin bond
- Superior finish
- High performance ALO grain
- Single coat



Product Code	Grit	Colour	Size (mm)	Best Suited For
Cumitex Super	Veryfine	Maroon	150 x 230	<ul style="list-style-type: none"> • General purpose cleaning • Rust and Oxide removal • Generating satin finish pattern



CUMITEX GP ALO VERYFINE ROLLS



Product Description

Medium duty ALO veryfine maroon rolls for machine sanding applications.

Product Features

- Premium quality Nylon fiber
- Synthetic water proof resin bond
- Excellent finish
- High performance ALO grain
- Single coat

Product Code	Grit	Colour	Size (mm)	Best Suited For
Cumitex GP	Veryfine	Maroon	150 x 230	<ul style="list-style-type: none"> • Excellent finish and RA values on metal • Orbital sanders • Wood sanding

CUMITEX GOLD ALO VERYFINE ROLLS



Product Description

Light duty ALO veryfine maroon rolls for hand sanding applications.

Product Features

- Premium quality Nylon fiber
- Synthetic water proof resin bond
- Superior finish
- High performance ALO grain
- Single coat

Product Code	Grit	Colour	Size (mm)	Best Suited For
Cumitex Gold	Veryfine	Maroon	150 x 230	<ul style="list-style-type: none"> • General purpose cleaning • Rust and Oxide removal • Generating satin finish pattern

AJAX ALO VERYFINE ROLLS



Product Description

Heavy duty ALO veryfine Maroon rolls for hand sanding and machine sanding applications.

Product Features

- Premium quality Nylon fiber
- Synthetic water proof resin bond
- Superior finish
- High performance ALO grain
- Multi-coat

Product Code	Grit	Colour	Size (mm)	Best Suited For
AJAX CX 01	Veryfine	Maroon	150 x 230	<ul style="list-style-type: none"> • Generating satin finish pattern on metal • Rust and Oxide removal • Light de-burring

AJAX GREEN ALO VERYFINE ROLLS



Product Description

Light duty ALO veryfine green rolls for hand sanding applications.

Product Features

- Premium quality Nylon fiber
- Synthetic water proof resin bond
- Excellent finish
- High performance ALO grain
- Single coat

Product Code	Grit	Colour	Size (mm)	Best Suited For
Ajax Green	Veryfine	Green	150 x 230	<ul style="list-style-type: none"> • Excellent finish and RA values on metal • Orbital sanders • Wood sanding





AJAX SIC ULTRAFINE ROLLS

Product Description

SIC ultrafine grey rolls for hand sanding and orbital sanding applications.

Product Features

- Premium quality Nylon fiber
- Synthetic water proof resin bond
- Excellent finish
- High performance ALO grain
- Single coat

Product Code	Grit	Colour	Size (mm)	Best Suited For
AJAX CX03	SIC Ultrafine	Grey	150 x 230	<ul style="list-style-type: none"> • Generating glossy finish on metals • Architectural metal works • Auto after and paint shop



AJAX SIC MICROFINE ROLLS

Product Description

SIC microfine grey rolls for hand sanding and orbital sanding applications.

Product Features

- Premium quality Nylon fiber
- Synthetic water proof resin bond
- Excellent finish
- High performance ALO grain
- Single coat

Product Code	Grit	Colour	Size (mm)	Best Suited For
AJAX CX04	SIC Microfine	Grey	150 X 230	<ul style="list-style-type: none"> • Generating glossy finish on metals • Architectural metal works • Auto after and paint shop

Note: Other sizes and grades available on request.



WHEELS AND DISCS



Wheels & Discs

CUMI offers different types of nonwoven abrasive wheels and discs for machine assisted sanding operations. Made from premium quality Nylon fiber and coated with high performance synthetic abrasives and water proof resin bond, these products do not load / clog and can be used for both wet and dry applications.

CUMI FLEX UNITISED WHEELS

Product Description

Nonwoven abrasive wheels for blending and polishing applications for use in bench grinders.

Product Features

- Premium quality Nylon fiber
- Synthetic water proof resin bond
- High performance grain
- Consistent cut and superior finish

Product Code	Grades	Colour	Size (mm)	Best Suited for
Cumi Flex Unitised Wheels	1-SVF, 3-SVF, 5-SVF, 8-SVF	Red	150 x 25, 150 x 50, 200 x 25, 200 x 50	<ul style="list-style-type: none"> • Blend N polish applications on Brass, Copper and Mild steel • Removal of surface defects and to impart decorative finishes in single step • Light de-burring applications

CUMITEX POLISHING WHEELS

Product Description

Nonwoven abrasive wheels for polishing applications for use in bench grinders.

Product Features

- Premium quality Nylon fiber
- Synthetic water proof resin bond
- High performance grain
- Consistent cut and superior finish

Product Code	Grades	Colour	Size (mm)	Best Suited for
Cumitex Polishing Wheels	1-SVF, 3-SVF, 5-SVF, 8-SVF	Grey	150 x 25, 150 x 50, 200 x 25, 200 x 50	<ul style="list-style-type: none"> • Generating satin finish pattern on metal • Polishing Brass, Copper, Aluminium, MS and SS • Kitchen, Cutlery and Surgical equipments

Note: Other sizes and grades available on request.



CUMITEX UNITISED DISCS



Product Description

Nonwoven abrasive discs for blending and polishing applications for use in right angle grinders.

Product Features

- Premium quality Nylon fiber
- Synthetic water proof resin bond
- High performance grain
- Consistent cut and superior finish

Product Code	Grades	Colour	Size (mm)	Best Suited for
Cumitex Unitised Discs	1-SVF, 3-SVF, 5-SVF, 8-SVF	Red	100 x 13 x 16	<ul style="list-style-type: none"> • Blending scratch lines generated by flap discs and Fiber discs • Blend N polish applications on Brass, Copper Mild steel

CUMITEX CONVOLUTE WHEELS



Product Description

Nonwoven abrasive wheels for de-burring and finishing applications for use in bench grinders.

Product Features

- Premium quality Nylon fiber
- Synthetic water proof resin bond
- High performance grain
- Consistent cut and finish

Product Code	Grades	Colour	Size (mm)	Best Suited for
Cumitex Convolute Wheels	7-SF, 8-SF, 8-AM, 9-SF, 9-AM	Grey	150 x 13 x 25, 150 x 25 x 25, 200 x 13 x 75, 200 x 25 x 75, 200 x 50 x 75	<ul style="list-style-type: none"> • Heavy and light de-burring of Metals, Auto components and Other machined parts • Blending and polishing of hard metals and alloys like Titanium, SS • Polishing of dry cell battery bottom

CUMITEX QUICK CHANGE SCM DISCS



Product Description

Nonwoven abrasive discs fitted with threaded buttons for quick change operations.

Product Features

- Premium quality Nylon fiber
- Synthetic water proof resin bond
- High performance ALO grain
- Multi-Coat

Product Code	Grades	Colour	Size (mm)	Best Suited for
Cumitex SCM Discs	ALO coarse - ALO medium - ALO veryfine	Brown Maroon Blue	50, 75	<ul style="list-style-type: none"> • Blending of Weld marks, Surface imperfection and de-burring • Paint removal and Oxide removal • Generating Satin to Mirror finish pattern

Note: Other sizes and grades available on request.



SPINDLE MOPS



Spindle Mops

CUMI's Spindle mounted mop wheels are widely used for de-burring, cleaning applications in metal fabrication industries and finishing of hard to reach areas such as internal surface of pipes, cylinders, moulds. Quality materials are used thus ensuring safety at high speed operations. Can be used with pneumatic, electrical hand held grinders.

JAWAN

Product Description

Aluminium Oxide spindle mops designed to operate at higher speeds with uniform cutting and finish.

Product Features

- Toughened Aluminium Oxide grains for high stock removal
- High strength steel spindle to withstand high speed
- High strength adhesion for high speed performance
- Available in different sizes to suit typical application



Abrasive Used	Grit	Dia (mm)	Thick (mm)	Spindle Dia (mm)	Best Suited for
XG 542	36, 60, 80, 100, 120, 150, 180, 220, 320, 400, 600	25, 40, 50, 60, 80	25, 40, 50	6	Stainless steel, MS, Alloys

* Note: Min. - Max. Dia. : 20-100 mm

Min. - Max. Thickness: 5-60 mm

Non - standard sizes are available on request



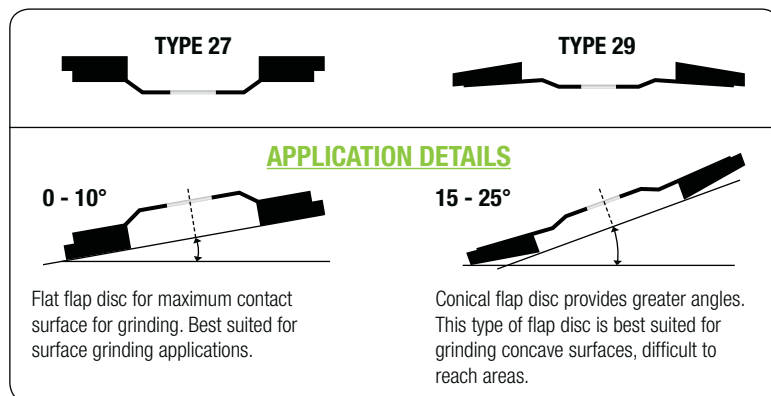
FLAP DISCS



Flap Disc

CUMI's Flap disc is made with high strength glass fiber backing and high performing grains - Zirconia, Aluminium Oxide, Silicon Carbide. Special abrasive - electro coated, close coated, uniformly wearing flaps result in fresh grains being presented every time. This results in high material removal rate and consistent finish throughout product life. Active reagents in the resin formulation results in cooler cutting, no discolouration. Available in two types - flat (type 27) and conical (type 29) these flap disc are high productive tools for finishing sheet metal works, blending, de-burring on metals.

FLAP DISC BLOTTER CODIFICATION



NOTE:
Where lower contact angles are possible, flat disc give better surface finish compare to conical flap disc of identical grit size.

Lower contact angle require higher pressure than greater angle.

CUMI FLEX ZIRCONIA FLAP DISC UNIVERSAL PLUS

Product Description

Zirconia Type 27 & Type 29 flap disc for heavy weld removal and blending of all type of metal fabrication. Special formulation for Stainless steel sheet metal application - results in cool cutting action - no discolouration.

Product Features

- Premium Zirconia Alumina
- Cool cutting action
- Long life
- Y' wt. backing for less wear - higher output



Product Code	Grit	Dia (mm)	Centre Hole (mm)	Best Suited For
YS 588	40, 60, 80, 120	100	16	Stainless steel, CRCA sheets, Carbon steel - high and low
YS 588	40, 60, 80, 120	115	22	Stainless steel, CRCA sheets, Carbon steel - high and low
YS 588	40, 60, 80, 120	125	22	Stainless steel, CRCA sheets, Carbon steel - high and low
YS 588	40, 60, 80, 120	180	22	Stainless steel, CRCA sheets, Carbon steel - high and low

CUMI FLEX ZIRCONIA FLAP DISC PERFORMANCE

Product Description

Zirconia Type 27 & Type 29 flap disc for weld removal and blending of all type of metal fabrication heavy duty applications.

Product Features

- Premium Zirconia Alumina
- Long life
- Y' wt backing for less wear



Product Code	Grit	Dia (mm)	Centre Hole (mm)	Best Suited For
YS 581	36, 60, 80, 120	100	16	Steel, Low carbon steel, Automobile body parts and Casting
YS 581	36, 60, 80, 120	115	22	Steel, Low carbon steel, Automobile body parts and Casting
YS 581	36, 60, 80, 120	125	22	Steel, Low carbon steel, Automobile body parts and Casting
YS 581	36, 60, 80, 120	180	22	Steel, Low carbon steel, Automobile body parts and Casting

CUMI FLEX ZIRCONIA FLAP DISC UNIVERSAL

Product Description

Zirconia Type 27 & Type 29 flap disc for weld removal and blending of all type of metal fabrication for medium duty applications.

Product Features

- Premium Zirconia Alumina
- X' wt. backing for faster Cutting



Product Code	Grit	Dia (mm)	Centre Hole (mm)	Best Suited For
XD 589	36, 60, 80, 120	100	16	Steel, Low carbon steel and Casting
XD 589	36, 60, 80, 120	115	22	Steel, Low carbon steel and Casting
XD 589	36, 60, 80, 120	125	22	Steel, Low carbon steel and Casting
XD 589	36, 60, 80, 120	180	22	Steel, Low carbon steel and Casting

CUMI FLEX ALUMINIUM OXIDE FLAP DISC UNIVERSAL

Product Description

Aluminium Oxide Type 27 & Type 29 flap disc for weld removal and blending of all type of metal fabrication for medium duty applications.

Product Features

- Premium Aluminium Oxide
- X' wt backing for aggressive cutting
- Excellent surface finish



Product Code	Grit	Dia (mm)	Centre Hole (mm)	Best Suited For
XS 561	36, 60, 80, 120	100	16	Steel, Stainless steel, Low carbon steel and Casting
XS 561	36, 60, 80, 120	115	22	Steel, Stainless steel, Low carbon steel and Casting
XS 561	36, 60, 80, 120	125	22	Steel, Stainless steel, Low carbon steel and Casting
XS 561	36, 60, 80, 120	180	22	Steel, Stainless steel, Low carbon steel and Casting



DURACUT FLAP DISC

Product Description

Aluminium Oxide Type 27 flap disc for weld removal and blending of all type of metal fabrication for light duty applications.

Product Features

- Brown Aluminium Oxide
- X' wt backing for good cutting
- Excellent surface finish

Product Code	Grit	Dia (mm)	Centre Hole (mm)	Best Suited For
XD 549	60, 80, 120	100	16	Steel, Stainless steel, Low carbon steel, Casting, Wood and Glass
XD 549	60, 80, 120	125	22	Steel, Stainless steel, Low carbon steel, Casting, Wood and Glass



TEZZ FLAP DISC

Product Description

Aluminium Oxide Type 27 flap disc for weld removal and blending of all type of metal fabrication for light duty applications.

Product Features

- Brown Aluminium Oxide
- X' wt backing
- Good surface finish

Product Code	Grit	Dia (mm)	Centre Hole (mm)	Best Suited For
XD 509	60, 80, 120	100	16	Steel, Stainless steel, Low carbon steel, Casting, Wood and Glass

Note : Backing pad available in Glass Fibre, Trimmable and Aluminium





FLAP WHEELS



Flap Wheels

CUMI's flange mounted large dia. Flap wheels are widely used for blending, de-burring and finishing OD of SS tubes, pipes, Utensils and auto components. The abrasive is non-loading, non-dulling due to nature of evenly wearing out flaps. This results in consistent finish. Adhesive used is uniformly distributed and ensures strong bonding and minimum vibration during use.

HI-CUT

Product Description

Aluminium Oxide flap wheels designed for good cutting action throughout wheel life.

Product Features

- Aluminium Oxide grain uniformly coated on X' wt. Cotton backing for consistent finish
- Universal design for easy mounting
- Good adhesion for high surface speed
- Available in various sizes to suit typical applications



Abrasive Used	Grit	Dia (mm)	Thick (mm)	Bore (mm)	Best Suited for
XG 542	36, 60, 80, 100, 120, 150, 180, 220, 320, 400, 600, 800, 1000, 1200	250, 300, 350	25, 40, 50	181, 127.5	Stainless steel, MS, Alloys

JAWAN

Product Description

Aluminium Oxide flap wheels designed for flexible operation with superior finish.

Product Features

- Aluminium Oxide grain uniformly coated on X' wt. Cotton backing for controlled cutting action
- Provides higher flexibility while operation
- Uniform cutting throughout wheel life



Abrasive Used	Grit	Dia (mm)	Thick (mm)	Flange Bore (mm)	Best Suited for
XG 542	36, 60, 80, 100, 120, 150, 180, 220, 320, 400, 600, 800, 1000, 1200	250, 300, 350	25, 50	91, 114, 154	Stainless steel, MS, Alloys

**Note: Non standard sizes available on request*



VELCRO DISCS



VELCRO DISCS

CUMI's Velcro / PSA discs find extensive use in surface preparation applications on metal, composite, wood, wall etc. Available with cloth, paper backing and with different abrasives these discs are designed for stripping, intermediate finishing and finishing applications. Paper discs with special coating for very minimal clogging. Wide range of hole patterns available to suit different machines.

PAPER VELCRO DISC

ALUMINIUM OXIDE RESIN PAPER VELCRO DISC - FP 567

Product Description

Aluminium Oxide paper Velcro discs mainly used in wooden and construction industry for surface preparation.

Product Features

- Brown Aluminium Oxide
- Semi open coating
- Less loading
- Faster cutting



Product Code	Grit	Dia (mm)	No of Holes	Best Suited For
FP 567	60, 80, 120, 150	125	No Holes	Wood, Glass fiber, Wall and Metal
FP 567	60, 80, 120, 150	125	5 Holes	Wood, Glass fiber, Wall and Metal
FP 567	60, 80, 120, 150	125	8 Holes	Wood, Glass fiber, Wall and Metal
FP 567	60, 80, 120, 150	150	6 Holes	Wood, Glass fiber, Wall and Metal

ALUMINIUM OXIDE RESIN PAPER VELCRO DISC - A 57 P

Product Description

Aluminium Oxide paper Velcro discs mainly used in wooden and construction industry for surface preparation. Antistatic property will reduce the loading on the disc.

Product Features

- Brown Aluminium Oxide
- Semi open coating
- Anti static
- Less loading
- Faster cutting



Product Code	Grit	Dia (mm)	No of Holes	Best Suited For
A 57 P	40, 60, 80, 120, 150, 180, 220, 320, 400	125	No Holes	Wood, Glass fiber, Wall and Metal
A 57 P	40, 60, 80, 120, 150, 180, 220, 320, 400	125	5 Holes	Wood, Glass fiber, Wall and Metal
A 57 P	40, 60, 80, 120, 150, 180, 220, 320, 400	125	8 Holes	Wood, Glass fiber, Wall and Metal
A 57 P	40, 60, 80, 120, 150, 180, 220, 320, 400	150	6 Holes	Wood, Glass fiber, Wall and Metal
A 57 P	40, 60, 80, 120, 150, 180, 220, 320, 400	180	No Holes	Wall
A 57 P	40, 60, 80, 120, 150, 180, 220, 320, 400	230	No Holes	Wall
A 57 P	40, 60, 80, 120, 150, 180, 220, 320, 400	230	8 Holes	Wall
A 57 P	40, 60, 80, 120, 150, 180, 220, 320, 400	230	10 Holes	Wall

ALUMINIUM OXIDE RESIN PAPER STEARATED VELCRO DISC - A 33 P

Product Description

Aluminium Oxide paper Velcro discs mainly used in wood, construction and auto industry for surface preparation. Special coating will reduce the loading on the Velcro disc and will reduce heat during surface preparation.

Product Features

- Brown Aluminium Oxide
- Semi open coating
- Stearated coating
- Less loading



Product Code	Grit	Dia (mm)	No of Holes	Best Suited For
A 33 P	60, 80, 120, 150, 180, 220, 320, 400, 600	125	No Holes	Wood, Glass fiber, Wall, Metal and Putty
A 33 P	60, 80, 120, 150, 180, 220, 320, 400, 600	125	5 Holes	Wood, Glass fiber, Wall, Metal and Putty
A 33 P	60, 80, 120, 150, 180, 220, 320, 400, 600	125	8 Holes	Wood, Glass fiber, Wall, Metal and Putty
A 33 P	60, 80, 120, 150, 180, 220, 320, 400, 600	150	6 Holes	Wood, Glass fiber, Wall, Metal and Putty

CLOTH VELCRO DISC

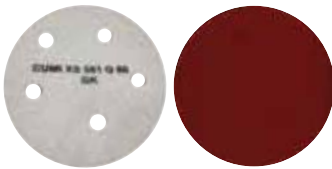
ALUMINIUM OXIDE RESIN CLOTH SUPREME VELCRO DISC - XS 561

Product Description

Premium Aluminium Oxide cloth Velcro discs mainly used on metal, wood and wall scrapping for surface preparation with heavy material removal.

Product Features

- Premium Aluminium Oxide
- Close coating
- X' wt cloth backing



Product Code	Grit	Dia (mm)	No of Holes	Best Suited For
XS 561	60, 80, 100, 120	90	No Holes	Wood, Glass fiber, Wall, Metal and Putty
XS 561	60, 80, 100, 120	125	No Holes	Wood, Glass fiber, Wall, Metal and Putty
XS 561	60, 80, 100, 120	125	5 Holes	Wood, Glass fiber, Wall, Metal and Putty

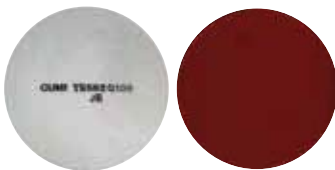
ALUMINIUM OXIDE RESIN CLOTH SUPREME VELCRO DISC - YS 562

Product Description

Premium Aluminium Oxide cloth Velcro discs mainly used on metal for heavy material removal. Designed mainly for auto industries.

Product Features

- Premium Aluminium Oxide
- Close coating
- Y' wt cloth backing



Product Code	Grit	Dia (mm)	No of Holes	Best Suited For
YS 562	80, 100, 120	90	No Holes	Metal
YS 562	80, 100, 120	125	No Holes	Metal
YS 562	80, 100, 120	125	5 Holes	Metal

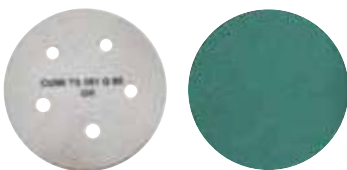
ZIRCONIA RESIN CLOTH SUPREME VELCRO DISC - YS 581

Product Description

Premium Zirconia Alumina cloth Velcro discs mainly used on metal for heavy material removal. Designed mainly for auto industries.

Product Features

- Premium Zircon Aluminium Oxide
- Close coating
- Y' wt cloth backing



Product Code	Grit	Dia (mm)	No of Holes	Best Suited For
YS 581	80, 120	90	No Holes	Metal
YS 581	80, 120	125	No Holes	Metal
YS 581	80, 120	125	5 Holes	Metal



PSA DISC

PAPER PSA DISC

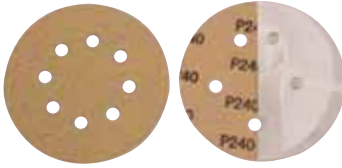
ALUMINIUM OXIDE RESIN PAPER STEARATED VELCRO DISC - A 33 P

Product Description

Aluminium Oxide paper PSA discs mainly used in auto ancillary industry for surface preparation. Special coating will reduce the loading on the PSA disc & will reduce heat during surface preparation.

Product Features

- Brown Aluminium Oxide
- Semi open coating
- Stearated coating
- Less loading



Product Code	Grit	Dia (mm)	No of Holes	Best Suited For
A 33 P	60, 80, 120, 150, 180, 220, 320, 400, 600	125	No Holes	Wood, Glass fiber, Wall, Metal and Putty
A 33 P	60, 80, 120, 150, 180, 220, 320, 400, 600	125	5 Holes	Wood, Glass fiber, Wall, Metal and Putty
A 33 P	60, 80, 120, 150, 180, 220, 320, 400, 600	125	8 Holes	Wood, Glass fiber, Wall, Metal and Putty

CLOTH PSA DISC

ALUMINIUM OXIDE RESIN CLOTH SUPREME PSA DISC - XS 561

Product Description

Premium Aluminium Oxide cloth PSA discs mainly used on metal for heavy material removal. Designed mainly for auto Industries.

Product Features

- Premium Aluminium Oxide
- Close coating
- X' wt cloth backing



Product Code	Grit	Dia (mm)	No of Holes	Best Suited For
XS 561	60, 80, 100, 120	125	No Holes	Wood, Glass fiber, Wall, Metal & Putty
XS 561	60, 80, 100, 120	125	5 Holes	Wood, Glass fiber, Wall, Metal & Putty

OTHER DISC

ALUMINIUM OXIDE RESIN PAPER DISC - AJAX / JAWAN

Product Description

Aluminium Oxide resin paper disc designed for specimen preparation in spectrography analysis.

Product Features

- Aluminium Oxide grain
- Close coating
- Good surface finish



Product Code	Grit	Dia (mm)	Centre Hole (mm)	Best Suited For
E 604 / ER 241	36, 60	350	40	All casting

Note: Discs area also available with cloth backing, water proof paper backing in various sizes



FIBER DISCS



Fiber Disc

CUMI's fiber discs are made with a special vulcanised fiber backing and different abrasives - Zirconia Alumina, Aluminium Oxide and Silicon Carbide to cater to a wide range of applications. A unique bond and coating makes these discs suitable for different application needs. The high quality fiber, available in different thickness has high mechanical strength, is stable at grinding temperatures and is also flexible. These disc is designed for high speed operations with hand held grinding machines - pneumatic, electrical.

ALPHA SUPREME RESIN SANDER DISC

Product Description

Premium Aluminium Oxide disc with close coating suited for weld removal, weld dressing and fabrication applications.

Product Features

- Premium Aluminium Oxide
- Close coating
- Special bond for metal application



Product Code	Grit	Dia (mm)	Centre Hole (mm)	Best Suited For
VR 561	24, 36, 50, 60, 80	100	16	Alloy steel, Non ferrous metal, Castings and Glass fibre
FR 561	100, 120	100	16	Alloy steel, Non ferrous metal, Castings and Glass fibre
VR 561	24, 36, 50, 60, 80	125	22	Alloy steel, Non ferrous metal, Castings and Glass fibre
FR 561	100, 120	125	22	Alloy steel, Non ferrous metal, Castings and Glass fibre
VR 561	24, 36, 50, 60, 80	180	23	Alloy steel, Non ferrous metal, Castings and Glass fibre
FR 561	100, 120	180	23	Alloy steel, Non ferrous metal, Castings and Glass fibre

JAWAN RESIN SANDER DISC

Product Description

Aluminium Oxide disc with semi open coating suited for wood and light metal fabrication applications.

Product Features

- Brown Aluminium Oxide
- Less loading
- Semi open coating
- Special bond for wood and glass fiber application



Product Code	Grit	Dia (mm)	Centre Hole (mm)	Best Suited For
VR 541	24, 36, 50, 60, 80	100	16	Wood, Steel, Non ferrous metal and Glass fibre
FR 541	100, 120	100	16	Wood, Steel, Non ferrous metal and Glass fibre
VR 541	24, 36, 50, 60, 80	125	22	Wood, Steel, Non ferrous metal and Glass fibre
FR 541	100, 120	125	22	Wood, Steel, Non ferrous metal and Glass fibre
VR 541	24, 36, 50, 60, 80	178	22	Wood, Steel, Non ferrous metal and Glass fibre
FR 541	100, 120	178	22	Wood, Steel, Non ferrous metal and Glass fibre

ALPHA IDC (Individually Coated)

Product Description

Treated Aluminium Oxide disc with semi open coating suited for hard wood. Manufactured individually for edge sanding applications.

Product Features

- Premium Aluminium Oxide
- Special bond for hard wood sanding application
- Semi open coating
- For profile sanding



Product Code	Grit	Dia (mm)	Centre Hole (mm)	Best Suited For
VR 561	24, 36, 50, 60, 80, 100, 120	100	16	Hard wood, Steel, Non ferrous metal and Glass fibre
VR 561	24, 36, 50, 60, 80, 100, 120	125	22	Hard wood, Steel, Non ferrous metal and Glass fibre
VR 561	24, 36, 50, 60, 80, 100, 120	180	23	Hard wood, Steel, Non ferrous metal and Glass fibre

CONCORD RESIN SANDER DISC

Product Description

Aluminium Oxide disc with higher flexibility, open coating for wood.

Product Features

- Brown Aluminium Oxide
- Open coating
- Less loading



Product Code	Grit	Dia (mm)	Centre Hole (mm)	Best Suited For
Concord	36, 50, 60, 80, 100, 120	100	16	Wood
Concord	36, 50, 60, 80, 100, 120	125	22	Wood

TEZZ RESIN SANDER DISC

Product Description

Aluminium Oxide disc with special resin, open coating best suited for wood. Value for money product.

Product Features

- Brown Aluminium Oxide
- Open coating
- Less loading



Product Code	Grit	Dia (mm)	Centre Hole (mm)	Best Suited For
Tezz	36, 50, 60, 80, 100, 120	125	22	Wood

CUMI ZING ZIRCONIA DISC

Product Description

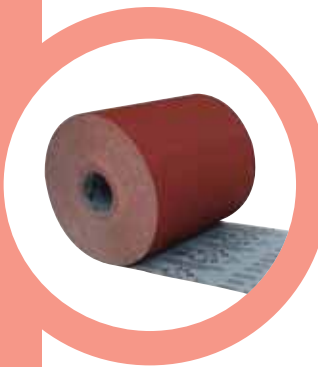
Premium Zirconia Alumina disc for heavy welding removal, heavy material on SS and all types of difficult to grind metals.

Product Features

- High performing Zirconia Alumina grain
- Special bond for cooler cut
- Higher material on difficult to grind metals
- Individually coated for aggressive edge grinding application



Product Code	Grit	Dia (mm)	Centre Hole (mm)	Best Suited For
Cumi Zing Plus	24, 36, 60, 80, 120	100	16	Steel, Stainless steel, Chrome steel, Castings and Glass fibre
Cumi Zing Plus	24, 36, 60, 80, 120	125	22	Steel, Stainless steel, Chrome steel, Castings and Glass fibre
Cumi Zing Plus	24, 36, 60, 80, 120	180	23	Steel, Stainless steel, Chrome steel, Castings and Glass fibre



ROLLS



Rolls

CUMI's Cloth and paper backed rolls are used extensively in sanding, cleaning, de-rusting and finishing various type of materials. These rolls are manufactured using Emery, Aluminium Oxide, Silicon Carbide, Zirconia grains with specially formulated bond systems and compatible backing for optimum performance in wall, wood, leather, plastic, metal, rubber and glass application.

ALO RESIN METAL CLOTH ROLL

Product Description

Special cloth backing with Aluminium Oxide grains for light stock removal and finishing of ferrous and non ferrous components. Flexible backing and special bond enables contour sanding.

Product Features

- Premium Aluminium Oxide grain
- Consistent finish
- Specially treated cotton backing
- Special bonding system ensures flexibility for contour sanding



Product Code	Grit	Width (mm)	Best Suited For
Ajax - X 696	36, 60, 80, 100, 120, 150, 180, 220 and 320	25 to 305	Sanding of Plywood and Furniture
Jawan - XG 241	24, 36, 50, 60, 80, 100, 120, 150, 180, 220, 320 and 400	25 to 305	Sanding of Plywood and Furniture

SUPER CUT ROLL

Product Description

Special backing with improved bond system for general purpose applications and wood working.

Product Features

- Aluminium Oxide grain
- Tough bond for faster cutting
- Specially treated cotton backing



Product Code	Grit	Width (mm)	Best Suited For
JG 542	36, 50, 60, 80, 100, 120 and 150	100, 150	Wall, Wood and Boat building



SAND MASTER ROLL

Product Description

Special cloth backing with advanced bond system for longer life on wood, wall and metal.

Product Features

- Treated Aluminium Oxide grain
- Specially processed cloth ensures longer product life
- Wet strength
- Tough bond for faster cutting
- Semi open coat - Minimal clogging



Product Code	Grit	Width (mm)	Best Suited For
XS 542	50, 60, 80, 100, 120	75, 100, 150	Furniture and Construction

CONCORD ROLL

Product Description

Special cloth backing with improved bond system for longer life on wood, wall and metal.

Product Features

- Aluminium Oxide grain
- Tough bond for faster cutting
- Semi open coat - Minimal clogging
- Tough cotton backing



Product Code	Grit	Width (mm)	Best Suited For
JG 502	50, 60, 80, 100, 120	75, 100, 150	Furniture and Construction

ALO RESIN INDUSTRIAL CLOTH ROLL

Product Description

Premium Aluminium Oxide with synthetic cloth backing for polishing and finishing of stainless steel process equipment in chemical, pharma and dairy equipment. Can be used for heavy stock removal particularly on profiled components.

Product Features

- Premium Aluminium Oxide grain
- Tough cotton backing
- Good edge stability
- Heat resistant bond
- Aggressive cutting action
- High performance in machine operation



Product Code	Grit	Width (mm)	Best Suited For
Jawan - XF 567 and XG 542 Ajax - XG 861	36, 50, 60, 80, 100, 120, 150, 180, 220, 320, 400, 600	25 to 305	Finishing of stainless steel surface and sheet metal fabrication

ALO CLOTH ROLL

Product Description

Flexible backing with special bond for light stock removal and finishing of profiled components in auto industry.

Product Features

- Aluminium Oxide grain
- Special treated cotton backing
- Special bond adheres to profiles
- Excellent finish



Product Code	Grit	Width (mm)	Best Suited For
Ajax - X 498	36, 60, 80, 100, 120, 150, 180, 220, 320, 400	25 to 305	Auto components, Crank shaft
Jawan - XG 141	80, 100, 120, 150, 180, 220, 320, 400	25 to 305	Auto components, Crank shaft



ALO RESIN PAPER ROLL

Product Description

Heavy weight paper backing with special bond system for specimen preparation in metallurgical application

Product Features

- Aluminium Oxide grain
- Stiff paper backing
- Special bond
- Suitable for machine application



Product Code	Grit	Width (mm)	Best Suited For
E 604 - Ajax	24, 36, 40, 50, 60, 80, 100, 120	305, 355, 610	Plywood, Asbestos and Specimen preparation in Metallurgical application.
ER 241 - Jawan	36, 60, 80, 100, 120	305, 355, 610	Plywood, Asbestos and Specimen preparation in Metallurgical application.

SIC PAPER ROLL

Product Description

Premium Silicon Carbide grains with special bond systems ensures excellent finish on leather.

Product Features

- Silicon Carbide grain
- Controlled fracturing of grain
- Special bond
- Excellent finish



Product Code	Grit	Width (mm)	Best Suited For
E 601	80, 100, 120, 150, 180, 220, 240, 320, 400	254, 610	Buffing and Snuffing of Suede leather
E 401	500, 600, 800	254, 610	Buffing and Snuffing of Suede leather

WHITE BUFFING PAPER ROLL

Product Description

Special bond with White Aluminium Oxide grain ensures scratch free finish on all types of leather. Also ensures uniform nap generation on suede leathers.

Product Features

- White Aluminium Oxide grain
- Uniform nap generation
- Soft bond
- Scratch free finish



Product Code	Grit	Width (mm)	Best Suited For
FT 153	120, 150, 180, 220, 240, 320, 400	254, 610	Buffing and Snuffing of all type of leathers

BROWN BUFFING PAPER ROLL

Product Description

Synthetic resin bond with Brown Aluminium Oxide grain specially designed for hard leather. Also suitable for sanding damp leather.

Product Features

- Brown Aluminium Oxide grain
- Damp sanding
- Synthetic resin bond
- Suitable for hard leather



Product Code	Grit	Width	Best Suited For
EP 243	100, 120, 150, 180, 220, 240, 320, 400	610 mm x 50 Mts.	Buffing and Snuffing of damp leathers (Buffalo)



WOOD MASTER ROLL



Product Description

Special cloth backing with advanced bond system for sanding wood used in manufacturing cricket bats.

Product Features

- Aluminium Oxide grain
- Special treated cotton backing
- Soft bond - Adheres to contour sanding

Product Code	Grit	Width (mm)	Best Suited For
XS 505	50, 60, 80, 100, 120, 150, 220, 320	75, 100, 150	Cricket bats

FLEXIBLE ROLL



Product Description

Specially treated backing with advanced bonding system for sanding of all types of wood, crank and cam shaft polishing.

Product Features

- Special cloth very flexible for fine finishing
- Uniform coat - Very fine finish
- Soft bond - Adheres to contour sanding

Product Code	Grit	Width	Best Suited For
Sun - JF 545	60, 80, 100, 120, 150, 180, 220, 320, 400	100 mm x 25 Mts.	Wood, Plastic and Metal

EMERY CLOTH BLUE DRILL ROLL



Product Description

Tough cloth backing with emery grains for de-rusting and finishing of metals by hand.

Product Features

- Emery grain
- Stiff backing
- Soft bond
- Cleans up surface

Product Code	Grit	Width (mm)	Best Suited For
Ajax - J 297	Coarse, Medium, Fine and Extra Fine	38 to 305	Metal
Jawan - J 297	24, 36, 50, 60, 80, 100, 120, 150, 180, 220	38 to 305	Metal
Concord - J 297	Coarse, Medium, Fine and Extra Fine	38 to 305	Metal

EMERY CLOTH PLAIN WEAVE ROLL



Product Description

Light weight backing with emery grains for de-rusting and finishing of metal by hand.

Product Features

- Emery grain
- Flexible backing adhere to contours
- Soft bond
- Cleans up surface

Width (mm)	Grit	Width (mm)	Best Suited For
Cannon - P 299	24, 36, 50, 60, 80, 100, 120, 150, 180, 220	38 to 305	Metal
Jawan - PG 121	24, 36, 50, 60, 80, 100, 120, 150, 180, 220	38 to 305	Metal

NOTE: The standard length of the Roll is 50 meters.



Code	Description	Coating	Brand	MATERIALS				APPLICATIONS								
				Steel	Stainless Steel	Wood	Leather	De-Rusting	De-Burring	Contour Sanding	Finishing	Finishing of Stainless Steel Components	Surface Preparation	Finishing Lacquered Surfaces	Finishing Sheet Metal Parts	Finishing Wood Surfaces
XF 567	Alo Resin Industrial Cloth Roll	●	Jawan	★	★	★	★	★	★	★	★	★			★	★
XG 542	Alo Resin Industrial Cloth Roll	●	Jawan	★	★	★	★	★	★	★	★	★			★	★
XG 861	Alo Resin Industrial Cloth Roll	●	Ajax	★	★	★	★	★	★	★	★	★			★	★
X 696	Alo Resin Metal Cloth Roll	⦿	Ajax	★		★		★	★		★				★	★
XG 241	Alo Resin Metal Cloth Roll	⦿	Jawan	★		★		★	★		★				★	★
X 498	Alo Cloth Roll	●	Ajax	★				★	★	★	★	★			★	
XG 141	Alo Cloth Roll	●	Jawan	★				★	★	★	★	★			★	
XS 542	Sand Master Roll	⦿	Sand Master	★		★		★	★						★	★
JG 502	Concord Roll	⦿	Concord	★		★		★	★						★	★
J 297	Emery Cloth Blue Drill Roll	●	Ajax	★				★	★	★	★					
J 297	Emery Cloth Blue Drill Roll	●	Jawan	★				★	★	★	★					
J 297	Emery Cloth Blue Drill Roll	●	Concord	★				★	★	★	★					
P 299	Emery Cloth Plain Weave Roll	●	Cannon	★				★	★	★	★					
PG 121	Emery Cloth Plain Weave Roll	●	Jawan	★				★	★	★	★					
E 601	Sic Paper Roll	●	Ajax				★				★					
E 401	Sic Paper Roll	●	Ajax				★				★					
FT 153	White Alo Buffing Paper Roll	●	Ajax				★				★					
EP 243	Brown Buffing Paper Roll	●	Ajax				★				★					
JG 542	Supercut Roll	⦿	Jawan	★		★		★	★		★				★	★
E 604	Alo Resin Paper Roll	●	Ajax	★		★					★				★	
ER 241	Alo Resin Paper Roll	●	Jawan	★		★					★				★	
JF 545	Flexible Roll	●	Sun	★	★	★	★	★	★	★	★	★			★	★
XS 505	Wood Master Roll	⦿	Jawan	★		★		★	★						★	★





Cloth Belts for Stationary Machine



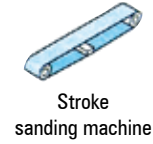
Code	Description	Coating	Brand	Grits Available																		
				12	16	20	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	400
X 696	Alo. Cloth - JG 242	☉	Ajax						✓			✓	✓	✓	✓	✓	✓			✓		
XG 241	Alo. Cloth	☉	Jawan				✓		✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	
JG 242	Alo. Cloth	☉							✓			✓	✓	✓	✓	✓	✓			✓		
JG 542	Alo. Cloth	☉	Supercut						✓		✓	✓	✓	✓		✓	✓			✓		
XG 542	Alo. Cloth	●	Jawan				✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	
XS 544	Alo. Cloth	☉	Supreme				✓	✓	✓	✓	✓	✓	✓	✓	✓							
X 861	Alo. Cloth - XS 561	●	Ajax Supreme						✓	✓	✓	✓	✓	✓								
XF 561	Alo. Cloth	●	Cumi Shine									✓							✓			
YS 562	Alo. Cloth	●	Ajax Supreme						✓			✓	✓	✓	✓							
XS 574	SiC Cloth	☉	Supreme	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
XS 576	SiC Cloth	●	Jawan Supreme										✓	✓	✓	✓	✓	✓				
YS 571	SiC Cloth	☉	Jawan Supreme				✓	✓	✓	✓	✓	✓	✓	✓								
XW 571	SiC Water Proof Cloth	●	Jawan						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
XS 584	Zir. Cloth	☉	Supreme				✓	✓	✓	✓	✓	✓	✓	✓	✓							
XS 581	Zir. Cloth	●	Ajax / Jawan				✓	✓	✓	✓	✓	✓	✓	✓	✓							
YS 581	Zir. Cloth	●	Ajax Supreme						✓			✓										

✓ - Available on request ✓ Regular products ★ - Most suited ○ - Open ☉ - Semi Open ● - Closed
 Other grits not mentioned in the above table can be supplied on request



Cloth Belts for Stationary Machine

Machine



Code	Description	Coating	Brand	Material							Areas of Application														
				Steel	Stainless Steel	Non-Ferrous	Castings	Wood	Glass / Stone	Leather	De-burring	Finishing	Contour Sanding	Surface Grinding	Flash Removal	Defect rectification in steel coils	Finishing S.S coils & parts	Finishing of brass bathroom fittings	Beveling / Finishing glass edge	Finishing wood surfaces	Centerless grinding of S.S tubes	De-burring aluminium castings	Finishing of sheets & metal parts		
X 696*	Alo. Cloth - JG 242	◐	Ajax	★				★	★		★	★							★	★					
XG 241*	Alo. Cloth	◐	Jawan	★				★	★		★	★							★	★					
JG 542*	Alo. Cloth	◐	Supercut	★				★	★		★	★		★					★	★					
XG 542	Alo. Cloth	●	Jawan	★			★				★	★		★	★			★		★				★	
XS 544	Alo. Cloth	◐	Supreme					★		★											★				
X 861	Alo. Cloth - XS 561	●	Ajax Supreme	★		★	★				★			★	★	★		★						★	
XF 561*	Alo. Cloth	●	Cumi Shine			★					★			★				★							
YS 562	Alo. Cloth	●	Ajax Supreme	★	★	★	★				★			★	★	★							★		★
XS 574	SiC Cloth	◐	Supreme					★	★										★	★					
XS 576	SiC Cloth	●	Jawan Supreme		★				★									★		★			★		
YS 571	SiC Cloth	◐	Jawan Supreme					★													★				
XW 571	SiC Water Proof Cloth	● ◐	Jawan	★	★				★		★	★		★		★		★		★			★		★
XS 584	Zir. Cloth	●	Supreme					★													★				
XS 581	Zir. Cloth	●	Ajax / Jawan	★	★		★				★			★	★	★							★		

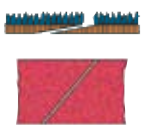
* will be supplied as narrow belts only

- Available on request
 Regular products
 ★ - Most suited
 ○ - Open
 ◐ - Semi Open
 ● - Closed

Other grits not mentioned in the above table can be supplied on request

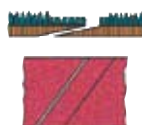
Belt Joints

Overlap joint - LJ



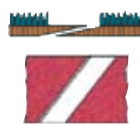
Cut at 60° angle and joined. Standard joint, will be supplied if no other request is made

Overlap joint - TLPS



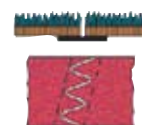
Cut at 60° angle and joined. Grain tip on the top lap partially removed - minimum bump

Overlap joint - TLFS



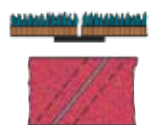
Cut at 60° angle and joined. Grains completely removed from the top lap- minimum bump

Butt joint



Zigzag, joint at the bottom with the tape

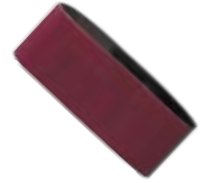
Butt joint



Cut at 45° glued at the bottom with tape. Bump free joint



Cloth Belts for Portable Machine



Code	Description	Coating	Brand	Grits Available																			
				12	16	20	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	400	
XG 542	Alo. Cloth	●	Jawan						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
XS 544	Alo. Cloth	◐	Supreme						✓	✓	✓	✓	✓	✓	✓	✓							
XM 544	Alo. Cloth	◑							✓	✓	✓	✓	✓	✓	✓	✓							

Machine



Portable belt sander



Hand held belt grinder

Code	Description	Coating	Brand	Material							Areas of Application												
				Steel	Castings	Wood	Glass / Stone	Leather	De-burring	Finishing	Contour Sanding	Surface Grinding	Flash Removal	Defect rectification in steel coils	Finishing S.S coils	Finishing S.S parts	Finishing of brass bathroom fittings	Beveling glass	Finishing wood surfaces	Centerless grinding of S.S tubes	De-burring aluminium castings	Finishing of sheets & metal parts	
XG 542	Alo. Cloth	●	Jawan	★		★					★		★				★			★			★
XS 544	Alo. Cloth	◐	Supreme	★		★					★		★				★			★			★
XM 544	Alo. Cloth	◑				★														★			

- Available on request
 Regular products
 ★ - Most suited
 - Open
 - Semi Open
 - Closed

Other grits not mentioned in the above table can be supplied on request

Portable belt sanders - belt sizes

Make	Model No.	Belt size - mm
Atlas Copco	HSBE 75 S / HSBE 75	75 x 533
	MBSE 705	75 x 533
	BBS 100 / BBSE 100	100 x 620

Make	Model No.	Belt size - mm
Makita	9910 / 9911	75 x 457
	9900 / 9901 / 9902 / 9903	75 x 533
	9924 DB / 9920	75 x 610

Make	Model No.	Belt size - mm
Black and Decker	KA 290 / KA 293 E	13 x 451
	KA 83 / KA 83 E	65 x 410
	BS 650 / BD 83 / BD 83 E	65 x 410
	DN83 / DN83E	65 x 410
	KA 85 EK / KA 85	75 x 457
	P 61-03 / BD 75 / BD 85	75 x 508
	SR 500 E	75 x 508

Make	Model No.	Belt size - mm
Bosch	GVS 350 AE / PVS 300 AE	40 x 303
	PBS 60 / PBS 60 E	60 x 400
	GBS 75 AE	75 x 533
	PBS 75 / PBS 75 A	75 x 533
	PBS 75 AE / PBS 75 E	75 x 533
	PBS A / PBS 7 AE	75 x 457
	GBS 100 A / GBS 100 AE	100 x 620



SHEETS



Sheets

CUMI offers a wide range of sheet products for hand sanding and for sanding with hand held power tools. Specially designed products for sanding / finishing different materials are available for wet or dry application. Products with different types of backing - paper, cloth is available to suit various applications.

JAWAN WATERPROOF PAPER SHEET

Product Description

Premium quality high wet strength, tear resistant waterproof paper with Silicon Carbide grains for excellent cutting and larger sanding area in wall, wood and metal. Can be used in wet / dry for both hand and vibratory sanding. Special grain, bond combination gives excellent finish in car repair and automobile body paint applications.

Product Features

- High quality paper - Wet strength
- Electro coated - Faster cutting
- Specially treated grain - SiC
- Excellent finish



Product Code	Grit	Size (mm)	Best Suited For
DV 371	60, 80, 100, 120, 150, 180, 220, 240 and 280	230 x 280	Wood, Wall and Metal
CV 371	320, 400, 500, 600, 800, 1000 and 1200	230 x 280	Wood, Wall and Metal

AJAX WATERPROOF PAPER SHEET

Product Description

Premium quality wet strength waterproof paper with Silicon Carbide grain for excellent cutting and larger sanding area in wall, wood and metal. Can be used in wet / dry for both hand and vibratory sanding / finishing of wall, wood and metal applications in engineering industries.

Product Features

- High quality paper - Wet strength
- Electro coated - Faster cutting
- Specially treated grain - SiC
- Excellent finish



Product Code	Grit	Size (mm)	Best Suited For
E 4	80, 100, 120, 150, 180, 220, 240, 280, 320, 400 and 600	230 x 280	Wood, Wall and Metal





CUMI LATEX WATERPROOF PAPER SHEET

Product Description

Specially treated backing with advanced bonding system designed for automobile body - putty and paint.

Product Features

- High quality latex paper - Flexible
- Uniform coating
- Wet / dry sanding
- Special bond - Aggressive cut
- Excellent finish

Product Code	Grit	Size (mm)	Best Suited For
CL 575	80, 100, 120, 150, 180, 220, 240, 280, 320, 400, 600, 800, 1000, 1200, 1500, 2000, 2500 and 3000	230 x 280	Hard fillers



JAWAN PREMIER WATERPROOF LATEX PAPER SHEET

Product Description

Specially treated backing with advanced bonding system designed for automobile body - putty and paint.

Product Features

- High quality latex paper - Flexible
- Uniform coating
- Wet / dry sanding
- Special bond - Aggressive cut
- Excellent finish

Product Code	Grit	Size (mm)	Best Suited For
CL 577	80, 100, 120, 150, 180, 220 and 320	230 x 280	Hard fillers, Laminates and Melamine polishing



DURACUT WATERPROOF PAPER SHEET

Product Description

Silicon Carbide waterproof paper for industrial and general engineering applications. Can also be used for sanding wall and wood.

Product Features

- High quality paper - Wet strength
- Specially treated grain - SiC
- Electro coated - Faster cutting
- Excellent finish

Product Code	Grit	Size (mm)	Best Suited For
DV 374	80, 100, 120, 150, 180, 220, 320 and 400	230 x 280	Wall and Wood



DECO WATERPROOF PAPER SHEET

Product Description

High wet strength paper with special grain combination for aggressive cutting and optimum area coverage in wall and wood. Can be used in wet / dry for both hand and vibratory sanding.

Product Features

- High quality paper - Wet strength
- Specially grain combination
- Electro coated - Faster cutting
- Excellent finish

Product Code	Grit	Size (mm)	Best Suited For
DV 347	80, 100, 120, 150, 180, 220, 320 and 400	230 x 280	Wood, Wall and Metal



CUMI CUMI
CL575 AL54



WARRIOR WATERPROOF PAPER SHEET

Product Description

Wet strength paper with special grain combination for better cutting and optimum area coverage in Wall and Wood. Can be used in wet / dry for both Hand and vibratory sanding.

Product Features

- High quality paper - Wet strength
- Specially grain combination
- Electro coated - Faster cutting
- Excellent finish

Product Code	Grit	Size (mm)	Best Suited For
CV 344	80, 100, 120, 150, 180, 220, 320, 400, 600 and 800	230 x 280	Interiors and construction



AJAX SUKHA PLUS PAPER SHEET

Product Description

Aluminium Oxide open coat paper suitable for wood, wall and interiors.

Product Features

- Special treated grain
- Dry sanding
- Good finish
- Tough bond
- Longer life
- Open Coat - Minimal clogging

Product Code	Grit	Size (mm)	Best Suited For
CR 661	50, 60, 80, 100, 120, 150, 180 and 220	230 x 280	Melamine and PU Fillers



SUN SUKHA PAPER SHEET

Product Description

Aluminium Oxide open coat paper suitable for wood, wall and interiors.

Product Features

- Special treated grain
- Dry sanding
- Good finish
- Tough bond
- Open Coat - Minimal clogging

Product Code	Grit	Size (mm)	Best Suited For
B 243	60, 80, 100, 120, 150, 180, 220 and 320	230 x 280	Wood, Wall and Interiors



FLINT PAPER SHEET

Product Description

High quality kraft paper with flint grains for wood and wall sanding.

Product Features

- Special bond
- Dry sanding
- Good finish

Product Code	Grit	Size (mm)	Best Suited For
Concord - C 104	24, 36, 50, 60, 80, 100, 120, 150 and 180	230 x 280	Wood and Wall
Jawan - CR 111	36, 50, 60, 80, 100, 120, 150 and 180	230 x 280	Wood and Wall



EMERY CLOTH BLUE DRILL SHEET



Product Description

Tough cloth backing with emery grains for de-rusting and finishing of metals by hand.

Product Features

- Soft bond
- Stiff backing
- Dry sanding

Product Code	Grit	Size (mm)	Best Suited For
Ajax - J 297	Extra Coarse, Coarse, Medium, Fine, Extra Fine and Super fine	230 x 280	Metal
Jawan - J 297	24, 36, 50, 60, 80, 100 and 120	230 x 280	Metal

EMERY CLOTH PLAIN WEAVE SHEET - CANNON



Product Description

Light weight backing with emery grains for de-rusting and finishing of metal by hand.

Product Features

- Soft bond
- Flexible backing
- Dry sanding

Product Code	Grit	Size (mm)	Best Suited For
P 299	24, 36, 60, 80, 100, 120, 150, 180 and 220	230 x 280	Metal

CLOTH SHEET

Product Description

Special cloth backing with aluminium oxide grains for sanding of wood, walls and metals

Product Features

- Special bond adheres to contours
- Wet / dry sanding
- Good finish

Product Code	Grit	Size (inch)	Best Suited For
Sand Master - XS 542	50, 60, 80, 100 and 120	4x9, 6x9, 6x11 and 9x11	Wood, Wall and Metal
Concord - JG 502	50, 60, 80, 100 and 120	4x9, 6x9, 6x11 and 9x11	Wood, Wall and Metal

EMERY PAPER SHEET

Product Description

Light weight paper backing with emery grains for de-rusting and finishing of metals by hand

Product Features

- Special bond adheres to contours
- Dry sanding
- Good finish

Product Code	Grit	Size (mm)	Best Suited For
Jawan - CR 121	50, 60, 80 and 100	230 x 280	Metal
Concord - C 201	50, 60, 80 and 100	230 x 280	Metal



Code	Description	Coating	Brand	MATERIALS							APPLICATIONS				
				Steel	Stainless Steel	Non Ferrous Metal	Wood	Paint	Plastic	Leather	De-Rusting	De-Burring	Finishing	Surface Preparation	Finishing Lacquered Surfaces
C 104	Flint Paper	●	Concord				★	★					★	★	
CR 111	Flint Paper	●	Jawan				★	★					★	★	
CR 121	Emery Paper	●	Jawan	★		★									
C 201	Emery Paper	●	Concord	★		★									
DV 371	SIC Waterproof Paper	●	Jawan	★	★	★	★	★	★	★	★	★	★	★	
CV 371	SIC Waterproof Paper	●	Jawan	★	★	★	★	★	★	★	★	★	★	★	
E 4	SIC Waterproof Paper	●	Ajax	★	★	★	★	★	★	★	★	★	★	★	
DV 374	SIC Waterproof Paper	●	Duracut	★	★	★	★	★	★	★	★	★	★	★	
DV 347	Waterproof Paper	●	Deco Paper	★	★	★	★	★	★	★	★	★	★	★	
CV 344	Waterproof Paper	●	Warrior	★	★	★	★	★	★	★	★	★	★	★	
CL 575	Latex Waterproof Paper	●	CUMI					★				★	★	★	
CL 577	Latex Waterproof Paper	●	Jawan Premier					★				★	★	★	
CR 661	Sukha Paper	●	Ajax				★	★				★	★		
B 243	Sukha Paper	●	Sun				★	★				★	★	★	
J 297	Emery Cloth Blue Drill Sheet	●	Ajax / Jawan	★							★	★	★		
P 299	Emery Cloth Sheet	●	Cannon	★							★	★	★		
XS 542	Cloth Sheet	●	Sand Master	★			★	★			★		★		
JG 502	Cloth Sheet	●	Concord	★			★	★			★		★		

