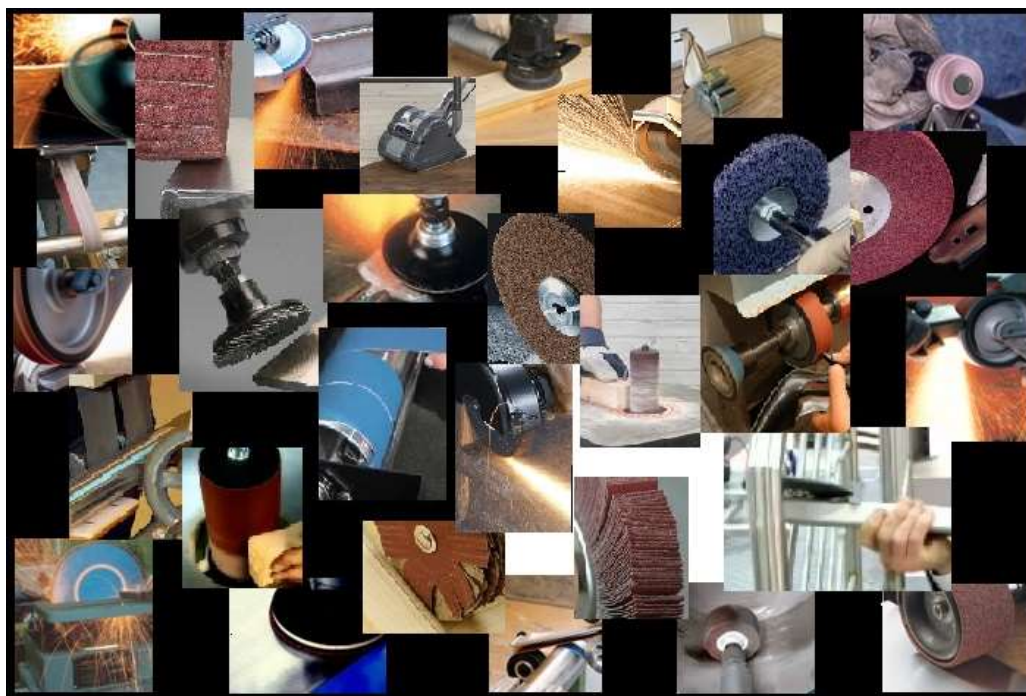


Santek Abrasives



Quality for Every Surface

Product Catalogue Vol. 7

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About us

WHO IS SANTEK?

Santek Industrial Abrasives is a South African based manufacturer of coated and non-woven speciality abrasives tools and converter of coated and non-woven commodity products.

Our products are of the highest quality, manufactured using only the best materials available for each application. We are renowned for our quick production lead times and pride ourselves on our good service delivery as well as on the quality of product that we produce.

Famous for our problem solving abilities, we have the solution to your grinding, polishing, blending, sharpening and finishing needs

From extremely humble beginnings, Santek was established in 2002 in Springs Gauteng South Africa, primarily as a jobbing belt conversion facility, servicing Norton Abrasives. After corporate restructuring in Saint Gabain Norton, we began to concentrate on the development and manufacture of coated speciality abrasive tools, establishing ourselves as the only African manufacturer of our product range.

Today we supply abrasive tools and related products with the help of our distributors, agents, resellers and partners throughout South Africa, Africa and numerous countries worldwide.

WHAT DO WE OFFER?

Santek offers a full range of abrasive products regardless of your application or industry. Our wide range includes coated abrasives, coated speciality abrasives, bonded abrasives, bonded thin wheels, non-woven abrasives, mops, buffs, abrasive compounds as well as super abrasives.

As the manufacturer of our products, we offer the unique service of custom designed products for our customer's individual needs and preferences. Volumes warranted, we are willing to deviate from our standard product range and produce a product specifically for your unique requirements.

Our product engineers are the best there are in the field, offering cost, time and frustration savings with a wealth of knowledge and decades of experience.

WHY SANTEK?

We at Santek pride ourselves on quick, efficient, reliable, consistent service. We are a customer driven company. Customer service, cost efficiency, innovative thinking, product quality, quality consistency and our good ethical reputation are deeply established in our ethos.

We constantly strive to better ourselves and our products. A significant portion of our time as well as budget is spent on improving and streamlining production methods as well as innovative product development. We aim to offer our customers the most reliable, time efficient, cost effective solution to all their grinding, sanding, blending, finishing and polishing needs.

Santek is a proud South African producer. We support:

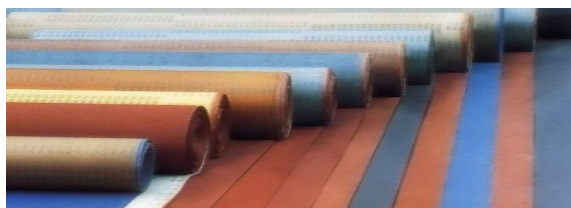
South African job creation

Fair trade

Local manufacturing and
sustainable economic growth

We look forward to being of service to you.

Coated Abrasives Jumbo Roll Grit Range



Material	P24	P36	P40	P60	P80	P100	P120	P150	P180	P240	P320	P400	P600	P800	P1200
KX167	●	●	●	●	●	●	●	●	●	●	●	●	●		
GXK51	●	●	●	●	●	●	●	●	●	●	●	●	●		
GXK51-ZQ		●	●	●	●	●	●	●	●	●	●	●	●		
JT133				●	●	●	●	●	●	●	●	●	●		
JB5				●	●	●	●	●	●	●	●	●	●		
BYC81	●	●	●	●	●	●	●	●	●	●	●	●	●		
KX456	●	●	●	●	●	●	●	●	●	●	●	●	●		
KX663		●	●	●	●		●								
115.03-B		●		●	●		●								
KY533Z		●	●	●	●		●								
TS790Y	●	●	●	●		●	●								
COMPACT							●	●	●	●	●	●	●	●	●
ENGINEERED									A100			A45		A30	A16
CORK												●	●	●	

Coated Abrasives Rolls Specification

Material	Grain	Backing	Special Features	Application
KX163	AlO3	XY PC	WP HT	For heavy duty wood, metal, stainless, chrome and general. Can be used in oil and coolant.
GXK51	AlO3	X PC	NASS	For general medium to light duty wood, plastic, metal and light stainless applications.
GXK51-ZQ	AlO3	X C		Used for the production of flap wheels and specialty abrasives. Wood, plastics, metals and stainless
JT133	AlO3	J PC	WR	For general flexible grinding and polishing applications. Wood, metal, plastic and stainless. Crank polishing
JB5	AlO3	J C		For general hand operations. Used to slit into handy rolls.
BYC81	SiC	Y P	WP HT	For heavy duty non-ferrous applications. Glass, wood, stainless and masonry. Segmented wide belts.
KX456	SiC	X PC	WP	For med and light duty non-ferrous applications. Glass, wood, stainless and masonry.
KX663	Zir/AlO3	X C	WP	For medium duty metal, hard wood and stainless applications.
115.03-B	Zir/AlO3	X P	WP	For heavy duty metal, hard metal and stainless steel applications. Extra sharp edge.
KY533Z	Zir/AlO3	Y P	WP HT	For heavy duty metal, hard metal and stainless steel applications. Top size for grain ripping and grain preservation.
TS790Y	Ceramic	Y P	WP HT	For heavy duty metal, hard metal and stainless steel applications. Top size for grain ripping applications and grain preservation.
COMPACT	AlO3	Y P	WP HT	Multi layered grain. Self sharpening. For med grinding and polishing applications. Metal, hard metals and stainless steel.
ENGINEERED	AlO3	X PC		Multi layered grain. Self sharpening structured grain. For med grinding and polishing applications. Metal, hard metals and stainless steel. Can be used wet.
CORK	SiC	X PC	WP	For non-ferrous, glass, masonry and stainless steel polishing. Can be used wet.

Non-woven Abrasives Jumbo Rolls

Surface Conditioning Specifications



Material	Grain	Backing	Special Features	Application
KS Surface Con.	AlO3	Y P	WP HT	Heavy duty narrow and wide belts. Brushing and surface conditioning
SCF Flex Surface Con.	AlO3	Flex P/C	WP Flex	Flexible small narrow belts. Brushing and surface conditioning.
Fibrat Surface Con.	AlO3	X P	WP HT	Medium narrow and wide belts. Brushing and surface conditioning.



Non-woven Fleece Rolls Specification

Material	Grain	Backing	Special Features	Colour	Application
SAP240II	AlO3	Nylon		Green	Medium density suitable for general purpose applications.
SAP240IV	AlO3	Nylon	HD	Red	High density. Suitable for almost all surfaces. For hand, machine and flap wheel purposes.
SAP150II	AlO3	Nylon	XC	Tan	High density extra cut. Suitable for machine purposes.
SAP120	AlO3	Nylon		Brown	High density. High tensile. Suitable for both hand and machine purposes.
T/AC1	AlO3	Nylon		Red	Extra high density. Extra high tensile. Suitable for machine and flap wheel applications.
T/AM	AlO3	Nylon		Brown	Extra high density. Extra high tensile. Suitable for machine and flap wheel applications.
T/ZM	ZIR	Nylon		Blue	Extra high density. Extra high tensile. Fast cut Zir. Suitable for machine and flap wheel applications.
T/VF	AlO3	Nylon	VS	Brown	Extra high density. Extra high tensile. Suitable for machine and flap wheel applications.

Narrow and Wide Belts (Coated & Non-Woven)



Santek Abrasives offers a comprehensive range of Narrow and Wide belts made from the materials as listed in the Coated Abrasive rolls (page 5) as well as Non-Woven Surface Conditioning rolls (page 6).

Belt grinding, lapping, finishing and polishing are abrasive machining processes used on metals, woods, plastics and other materials. A belt, coated in abrasive material, is run over the surface to be processed in order to remove material or produce the desired finish.

Stroke belt grinder	Platen belt grinder	Wide belt grinder Wet	Backstand belt grinder	Centreless belt grinder Dry

Safety

Coated abrasive belts perform best between 15m/s and 35m/s. Non-Woven Belts perform best between 10m/s and 20m/s.

NB! Excess speed is dangerous and may result in joint failure, backing disintegration or ripping, grain shedding or overheating.

NEVER USE COATED ABRASIVE BELTS AT SPEEDS IN EXCESS OF 40m/s!

Only use materials recommended for wet grinding in water, coolant or oil.

Use in accordance to ANSI B7.1.

Narrow belts are abrasive belts that are a maximum of 300mm wide.

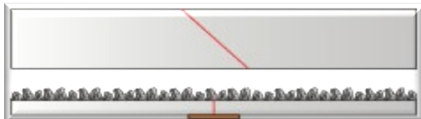
Wide belts are wider than 300mm.

Segmented wide belts When the width of the belt exceeds the width of the material jumbo roll, a multi join process is used to join the belts.



Santek abrasives offers the following option of belt joint types:

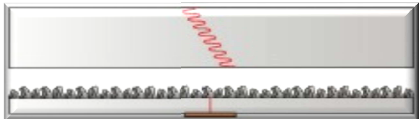
Tape or butt joint



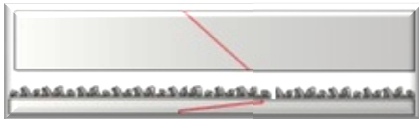
Tape joint with Top Scive



Sine joint



Lap Joint



Lap Joint with Top Scive



Scalloped Edge Belts



Scalloped edge belts are made by cutting a zig-zag effect on the side of narrow belts that allows the belt to conform quickly and easily to intricate configurations. This is most effective for final polishing and finishing operations on metal where no belt edge shadows are permitted.

Graphite Coated Canvas



Graphite Coated Canvas is used to reduce friction and improve belt sander performance by attaching (with PSA adhesive) a strip of graphite to the contact plate of your sander. Especially useful for reducing heat and friction on large stroke sanders.

Abrasive Restorers



Abrasive Restorers are used to clean and unclog coated abrasive discs and belts.

Abrasive Grease Sticks



Abrasive Grease Sticks are made from a high melting point grease. It is coated onto an abrasive belt or disc. This prevents clogging, prolongs life, prevents grain ripping, keeps the work piece cool and provides a brighter finish.

Key-Loc Belts



Key-Loc Belts are used to finish and polish parts in a closed system. The Key-Loc design allows the user to open and close the join at will.

Used in a ski type system on a rubber drum with the grain side of the material facing inward.

Products Suitable for Key-Loc Belts

Diameter	Recommended Speed rpm
Surface Con	V-Fine
Surface Con	Fine
Surface Con	Med
Surface Con	Coarse
Felt	3mm
Felt	6mm



Felt Products Used in conjunction with ether liquid or solid polishing compounds felt products can be used on a variety of materials.

Polishing compounds should be selected based on the desired finish and the type of material being polished.

Standard Sizes Available

Diameter	Recommended Speed rpm	Maximum Speed rpm
30mm	15000	30500
50mm	12000	25400



Coated and Non-Woven No Centre Discs



Santek Abrasives offers a comprehensive range of Discs made from the materials as listed in the Coated Abrasive rolls (page 5) as well as Non-Woven Surface Conditioning and Non-woven Fleece rolls (page 6).

Abrasive discs are used on disc sanders and orbital sanders in a range of dimensions.

Santek is able to cut or punch discs from 16mm to 1000m diameter.

We have the ability to laminate Velcro (Loop) or PSA adhesive to the back of our materials, including non-woven fleece. Velcro (hook) is also available in conversion kits for machine surfaces.



PSA (Pressure Sensitive Adhesive)



Velcro (Loop)



Velcro (Hook)

Safety



Abrasive Discs perform best between 15m/s and 35m/s. Non-Woven Belts perform best between 10m/s and 20m/s.

NB! Excess speed is dangerous and may result in failed adhesion, backing disintegration or ripping, grain shedding or overheating.

NEVER USE COATED ABRASIVE DISCS AT SPEEDS IN EXCESS OF 40m/s!

Only use materials recommended for wet grinding in water, coolant or oil.

Use in accordance to ANSI B7.1



Non-Woven Disc Mandrels

Mandrels are available for Non-Woven discs to 6mm



PSA Abrasive Disc Adhesive



PSA paint on disc adhesive is available in 5l and 500ml containers.

Disc adhesive is painted onto the back of the abrasive disc and is left until dry. The disc is then pressed onto the machine. If used correctly, when the used disc is removed, the adhesive will come away from the machine leaving the machine clean and free of old adhesive.

Standard and custom slit rolls



Santek is able to offer custom slit and cut to length rolls from the materials as listed in the Coated Abrasive rolls (page 2) as well as Non-Woven Surface Conditioning and Non-woven Fleece rolls (page 3).

Emery Hand Rolls



Material	P24	P36	P40	P60	P80	P100	P120	P150	P180	P240	P320	P400	P600
JB5 50x50m					●	●	●	●	●	●	●	●	
JB5 25x50m					●	●	●	●	●	●	●	●	
JA135 50x50m					●	●	●	●	●	●	●	●	●
JA135 25x50m					●	●	●	●	●	●	●	●	●
GXK51-ZQ 50x50m	●	●	●	●	●	●	●	●	●	●	●	●	●
GXK51-ZQ 25x50m	●	●	●	●	●	●	●	●	●	●	●	●	●

Standard Non-Woven Abrasive Fleece Rolls

	Material	Colour	Grain
140x10m	SAP240II	Green	AI03
140x10m	SAP240IV	Red	AI03
140x10m	SAP150II	Tan	AI03
140x10m	SAP120II	Maroon	AI03
140x10m	T/AC1	Red	AI03
140x10m	T/AM	Brown	AI03
140x10m	GP-AAM	Green	AI03
140x10m	AAM	Maroon	AI03



Slashed Rolls

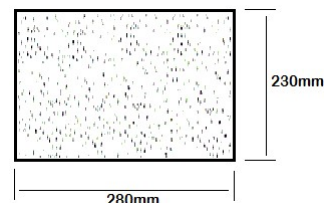
Material	P80	P100	P120	P150	P180	P240	P320	P400
JA135 50x50m	●	●	●	●	●	●	●	●
Gxk51-ZQ 50x50m	●	●	●	●	●	●	●	●
JA135x50m	●	●	●	●	●	●	●	●
GXK51-ZQ 100x50m	●	●	●	●	●	●	●	●
JA135 150x50m	●	●	●	●	●	●	●	●
GXK51-ZQ 150x50m	●	●	●	●	●	●	●	●



Coated and Non-Woven Sheets

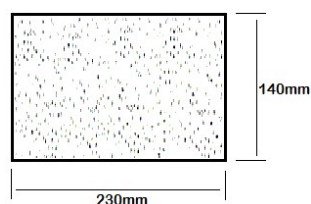
Standard Coated abrasive 230mmx280mm

	P60	P80	P100	P120	P150	P180	P240	P320	P400	P600	P1200
Water proof paper		●		●	●	●	●	●	●	●	●
Craft Cabinet paper	●	●	●	●	●	●	●				
Cabinet paper	●	●	●	●	●	●	●				
Gold Free-cut				●	●	●	●	●	●	●	
White Free-cut				●	●	●	●	●	●	●	
Emery Cloth	●	●	●	●	●	●	●	●	●		



Coated abrasive sheet Specifications

Material	Grain	Backing	Application
Water proof paper	AlO3	Latex P	For wet or dry hand polishing of surfaces. Suitable for paint, lacquers, plastic and metals.
Craft Cabinet paper	AlO3	Craft P	For general purpose wood hand finishing applications.
Cabinet paper	AlO3	B P	For industrial hand finishing on wood surfaces.
Gold Free-cut	AlO3	B P	Anti clogging. for fine finishing of wood surfaces.
White Free-cut	AlO3	B P	Anti clogging. for fine finishing of wood, paint and lacquer surfaces.
Emery Cloth	AlO3	J Cloth	For general purpose hand sanding. wood, plastics, metals and stainless steel.



Standard Non-Woven Abrasive Fleece Sheets

	Material	Colour	Grain
140x230	SAP240II	Green	AlO3
140x230	SAP240IV	Red	AlO3
140x230	SAP150II	Tan	AlO3
140x230	SAP120II	Maroon	AlO3
140x230	T/AC1	Red	AlO3
140x230	T/AM	Brown	AlO3
140x230	T/ZM	Blue	Zir.
140x230	T/VF	Brown	AlO3

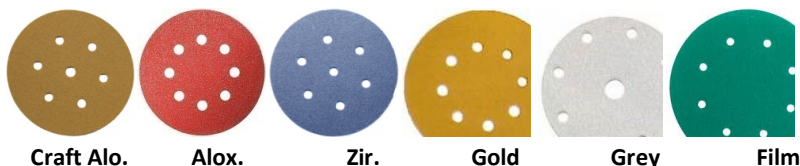


Orbital Sanding Discs, Strips & Shapes



Santek have a comprehensive range of orbital sanding discs, strips and shapes.

Available with Velcro (Hook), PSA (Pressure sensitive adhesive) or plain.



Safety

Use in accordance to ANSI B7.1



Product	Properties
Craft Alo	Economy craft paper. White Alox grain.
Alox	X-Weight cloth. Brown Alox grain
Zir.	X-Weight Cloth. Zirconium grain.
Gold	C-Weight paper. Alox grain. Anti clogging.
Grey	A/B-Weight paper. Alox grain. Anti clogging.
Film	Polymer film backing. White Alox grain.

Standard Grit Range

Product	P36	P40	P60	P80	P100	P120	P150	P180	P240	P320	P400	P600	P800	P1200
Craft Alo		•	•	•	•	•	•	•	•					
Alox	•	•	•	•	•	•	•	•	•	•	•	•		
Zir.	•	•	•	•	•	•								
Gold				•	•	•	•	•	•	•	•	•		
Grey				•	•	•	•	•	•	•	•	•		
Film				•	•	•	•	•	•	•	•	•	•	•



Standard Discs

Product	Holes	Craft Alo.	Alox.	Zir.	Gold	Grey	Film
Φ76	0,3	•	•	•			
Φ115	0,8	•	•	•	•	•	•
Φ125	0,6,8	•	•	•	•	•	•
Φ150	0,6,9	•	•	•	•	•	•



Standard Strips

Product	Holes	Craft Alo.	Alox.	Zir.
95x230	0	•	•	•
115x280	0	•	•	•
115x140	0	•	•	•
125x280	0	•	•	•
73x125	0	•	•	•
80x230	0	•	•	•
95x230	8	•	•	•
115x230	14	•	•	•
80x165	8	•	•	•
110x225	15	•	•	•
93x180	8	•	•	•
70x405	21	•	•	•
80x135	14 SQ	•	•	•

Standard Shapes



Product	Craft Alo.	Alox.	Zir.
90X90 Delta	•	•	•
100x145 Mouse	•	•	•
110x180 Iron	•	•	•
38x38 Iron Tips	•	•	•
75x30 Diamond	•	•	•



Backing Pads

Most Std sizes available

Spiral Bands



Spiral Bands are used for grinding, dressing, deburring, polishing and blending of all kinds of regular and irregular surfaces.

Santek has three different hardnesses of spiral bands made from high quality resin over resin abrasive cloth.

Soft: Soft and flexible even at high speeds. For contoured polishing.

Med: Flexible but more aggressive than the Soft model. Used to polish plastic and glass bottle moulds.

Hard: Hard and aggressive for grinding and high stock removal applications.

Safety



Spiral Bands perform best between 20-30m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and wheel life.

NB! Excess speed is dangerous and may result in band disintegration, grain shedding and overheating.

NEVER USE FLAP WHEELS AT SPEEDS IN EXCESS OF 40m/s!

Use in accordance to ANSI B7.1.



Diameter	Recommended Speed rpm	Maximum Speed rpm
6mm	30000	55000
10mm	30000	44000
12.7mm	30000	44000
15mm	26000	36000
19mm	20000	30000
22mm	18000	26000
25mm	16000	22000
30mm	13000	19000
32mm	11500	16500
38mm	10000	15500
45mm	8500	12500
50.7mm	7500	11000

Standard Dimensions



Dia. Width	10mm	25mm	30mm
6mm	●	●	
10mm	●	●	
12.7mm	●	●	
15mm	●	●	
19mm		●	
22mm		●	
25mm		●	
30mm			●
32mm		●	●
38mm		●	
45mm			●
50.7mm		●	●

Standard Grit Sizes

	Alo	Zir.	Sic	Ceramic	Eng.
P36	●	●	●	●	
P60	●	●	●	●	
P80	●	●	●	●	
P120	●	●	●	●	
P150	●		●		
P180	●		●		A100
P240	●		●		
P400	●		●		A45
P600	●		●		
P800					A30
P1200					A16



Spiral Band Mandrels

Rubber Expanding mandrels are available for all the above sizes

Bobbin Sleeves



Bobbin Sleeves are used in wood and plastic working applications to mould materials into various shapes.

Commonly used in pattern making and the furniture industry.



Safety



Spiral Bands perform best between 15-20m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and wheel life.

NB! Excess speed is dangerous and may result in sleeve disintegration, grain shedding and overheating.

Use dust extraction.

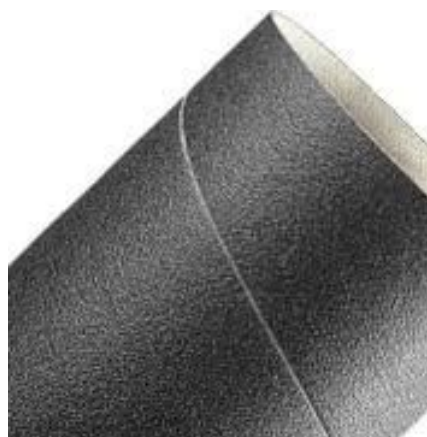
NEVER USE FLAP WHEELS AT SPEEDS IN EXCESS OF 30m/s!

Use in accordance to ANSI B7.1

Diameter	Recommended Speed rpm	Maximum Speed rpm
6mm	30000	55000
10mm	30000	44000
12.7mm	30000	44000
19mm	20000	30000
25mm	16000	22000
32mm	11500	16500
38mm	10000	15500
45mm	8500	12500
50mm	7500	11100
76mm	5028	7543
88.9mm	4299	6448
101mm	3784	5676

Standard Grit Sizes

	Alo	Zir.	Sic	Ceramic
P36	●	●	●	●
P60	●	●	●	●
P80	●	●	●	●
P120	●	●	●	●
P150	●		●	
P180	●		●	
P240	●		●	
P400	●		●	
P600	●		●	



Cartridge Rolls



Cartridge Rolls are used for grinding, dressing, deburring, polishing and blending of all kinds of irregular surfaces or in confined spaces.

Cartridge rolls are made from multiple layers of abrasive cloth, self renewing its cutting edge.

Santek have two main Types of coated abrasive cartridge rolls made from high quality resin over resin abrasive cloth.

Drum



Tapered



Safety



Cartridge rolls perform best between 8-11m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and wheel life.

NB! Excess speed is dangerous and may result in roll disintegration, grain shedding and overheating.

NEVER USE FLAP CARTRIDGE ROLLS AT SPEEDS IN EXCESS OF 12m/s.

Do not use wet or in any coolant or oil. Cartridge rolls are direction sensitive.

Use in accordance to ANSI B7.1.

Standard Sizes Available

Dia. Width	25mm	38mm	50mm
6mm	•		
9mm	•	•	
12mm	•	•	
15mm		•	•
19mm		•	•



Diameter	Recommended Speed rpm	Maximum Speed rpm
6mm	20000	25000
9mm	15000	23000
12mm	12000	17000
15mm	10000	15000
19mm	8000	12000

Standard Grit Sizes Available

	Alo	Zir.	Sic	Ceramic
P60	•	•	•	•
P80	•	•	•	•
P120	•	•	•	•
P150	•		•	

Spiral Band Mandrels

A full range of mandrels are available for all the above sizes

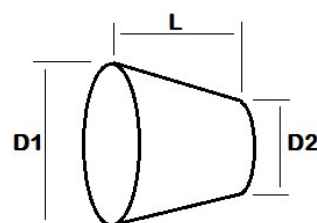


Cones



Body Cones are used for grinding, dressing, deburring and blending of all kinds of surfaces.

Commonly used to polish bottle moulds as well as in the shoe repair industry.



Safety



Body Cones perform best between 20-25m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and Wheel life.

NB! Excess speed is dangerous and may result in cone disintegration, grain shedding and overheating.

NEVER USE FLAP CARTRIDGE ROLLS AT SPEEDS IN EXCESS OF 30m/s.

Do not use wet or in any coolant or oil. Cartridge rolls are direction sensitive.

Use in accordance to ANSI B7.1.

D1	Recommended Speed rpm	Maximum Speed rpm
20mm	19000	26000
29mm	13000	19000
36mm	10000	15500
50mm	7500	11000
80mm	4500	6500

Standard Sizes Available

D1	D2	L
20mm	14mm	63mm
29mm	22mm	30mm
36mm	22mm	60mm
50mm	20mm	40mm
80mm	38mm	45mm



Standard Grit Sizes Available

	Alo	Zir.	Sic
P60	•	•	•
P80	•	•	•
P120	•	•	•
P150	•		•
P240	•		•



Spiral Band Mandrels

Rubber Expanding mandrels are available for all the above sizes



Flutter, Sanding Stars & Fladder Discs/Wheels



Flutter discs or Sanding stars are made up by combining a number of slashed strips in various ways.

Made from J-Weight of X-weight abrasive cloth offering a range of stiffness, depending on the application. Commonly used on woods for the sanding of profiles or to polish metal welds in tight hard-to-reach corners.

These discs can be used on both handheld and automated machines such as molders and profile sanders.

Safety



Flutter discs or Sanding stars perform best between 10-20m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and wheel life.

NB! Excess speed is dangerous and may result in disc disintegration, grain shedding and overheating.

NEVER USE FLAP FLUTTER DISCS OR SANDING STARS AT SPEEDS IN EXCESS OF 30m/s.

Do not use wet or in any coolant or oil.

Use in accordance to ANSI B7.1.

Standard Sizes Available

Dia	Bore
115mm	10mm
200mm	31.75mm
250mm	76mm
250mm	31.75mm
300mm	105mm



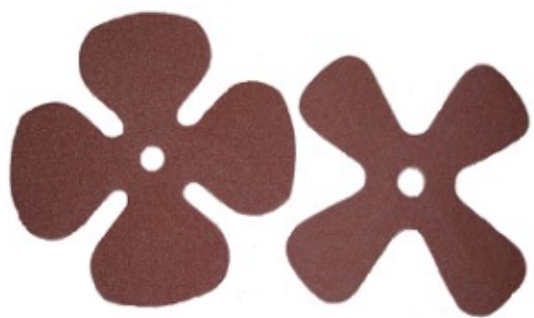
Standard Grit Sizes

	J-Weight Alo.	X-Weight Alo.	X-Weight Zir.	Y-Weight Zir.
P60	●	●	●	●
P80	●	●	●	●
P120	●	●	●	●
P150	●		●	
P180	●		●	
P240	●		●	
P320	●		●	
P400	●		●	
P600			●	



Flutter Disc Mandrels
Mandrels are available for the 115x10 to be used in a hand tool

Propeller & Slotted Discs



Propeller & Slotted discs are ganged, locked together and used to grind and sand in tight spaces.

Made from J-weight, X-weight or Y-weight abrasive cloth depending on the application and aggression required.



Safety



Propeller & Slotted discs perform best between 10-20m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and life.

NB! Excess speed is dangerous and may result in disc disintegration, grain shedding and overheating.

NEVER USE PROPELLER & SLOTTED DISCS AT SPEEDS IN EXCESS OF 30m/s.

Do not use wet or in any coolant or oil.

Use in accordance to ANSI B7.1.



Standard Sizes Available

Dia	Bore	Type	Mod.
50mm	10mm/M5	Lock	Slotted
100mm	10mm/M5	Lock	Slotted
150mm	16mm	Wide Wing	Prop
180mm	16mm	Narrow Wing	Prop
180mm	16mm	Wide Wing	Prop



Mandrels
M5 to 6mm Mandrel

Standard Grit Sizes

Grit Size	J-Weight Alo.	X-Weight Alo.	X-Weight Zir.	Y-Weight Zir.
P60	•	•	•	•
P80	•	•	•	•
P120	•	•	•	•
P150	•		•	
P180	•		•	
P240	•		•	
P320	•		•	
P400	•		•	
P600			•	

Cross & Square pads



Cross & Square pads are used to deburr and clean the inside of tubing and other cylindrical objects, as well as grind, blend and polish fillet welds.



Safety



Cross & Square pads perform best between 15-25m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and life.

NB! Excess speed is dangerous and may result in wheel disintegration, grain shedding and overheating.

NEVER USE CROSS & SQUARE PADS AT SPEEDS IN EXCESS OF 30m/s.

Do not use wet or in any coolant or oil.

Use in accordance to ANSI B7.1.

Diameter	Recommended Speed rpm	Maximum Speed rpm
50mm	10000	15500
76mm	7500	11000
100mm	4500	6500

Standard Sizes Available

Dia	Bore	Cross	Square
50mm	M5	•	•
76mm	M6	•	•
100mm	M6	•	•



Standard Grit Sizes

Grit Size	Alo.	Zir.
P36	•	•
P60	•	•
P80	•	•
P120	•	•
P150	•	
P180	•	
P240	•	
P400	•	
P600	•	



Mandrels

M5/m6 to 6mm Mandrel



Non-Woven RIV Buffs, Stars & Discs



Safety



Non-Woven Buffs & Stars perform best between 10-20m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and life.

NB! Excess speed is dangerous and may result in wheel disintegration, grain shedding and overheating.

NEVER USE NON-WOVEN BUFFS & STARS AT SPEEDS IN EXCESS OF 20m/s.

Do not use wet or in any coolant or oil.

Use in accordance to ANSI B7.1.

Diameter	Recommended Speed rpm	Maximum Speed rpm
25mm	7500	15000
32mm	5500	11500
50mm	3500	7500
76mm	2500	5000
100mm	1900	3500

Standard Sizes Available

Standard Grit Sizes

Size	Cross Buff	Disc Buff	Star SC	Disc SC
25xM5	●	●		
32xM5	●	●	●	●
50xM5		●	●	●
76xM6			●	●
100xM6			●	●

Mandrels

M5/m6 to 6mm Mandrel



Grit Size	Colour	Buff Type	SC Type
AC	Red Fleece	●	
AM	Brown Fleece	●	
ZM	Blue Fleece	●	
AVF	Brown Fleece	●	
Strip	Black Quick-Strip	●	
SC/VF	SC Grey		●
SC/F	SC Blue		●
SC/M	SC Maroon		●
SC/C	SC Brown		●

Plastic Center Finishing Wheel

Grit Size	Colour	Buff Type	SC Type
AC	Red Fleece	●	
AM	Brown Fleece	●	
ZM	Blue Fleece	●	
AVF	Brown Fleece	●	



Diameter	4-Fold	6-Fold	8-Fold	10-Fold
100	●	●		
150	●	●	●	
200	●	●	●	●

Floor Sanding Products



Santek offer a wide range of floor sanding and finishing products.



Standard Floor sanding Belts

Width	Len	Type	P24	P36	P40	P60	P80	P100	P120	P240
200	750	Alox	•	•	•	•	•	•	•	•
200	750	SiC	•	•	•	•	•	•	•	•
200	750	Zir	•	•	•	•	•	•	•	•
203	482	Alox	•	•	•	•	•	•	•	•
203	482	SiC	•	•	•	•	•	•	•	•
203	482	Zir	•	•	•	•	•	•	•	•

Standard Floor Sanding Rolls

Width	Len	Type	P24	P36	P40	P60	P80	P100	P120	P240
300	50m	Alox	•	•	•	•	•	•	•	•
300	50m	SiC	•	•	•	•	•	•	•	•
300	50m	Zir	•	•	•	•	•	•	•	•



Standard Floor Strips



Width	Len	Type	P24	P36	P40	P60	P80	P100	P120	P240
203	510	Alox	•	•	•	•	•	•	•	•
203	510	SiC	•	•	•	•	•	•	•	•
203	510	Zir	•	•	•	•	•	•	•	•
205	476	Alox	•	•	•	•	•	•	•	•
205	476	SiC	•	•	•	•	•	•	•	•
205	476	Zir	•	•	•	•	•	•	•	•

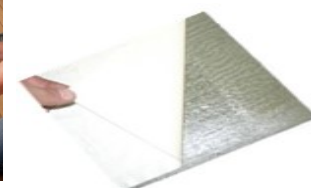
Floor Sanding Discs Velcro 12-Hole

Width	Hole	Type	P24	P36	P40	P60	P80	P100	P120	P240
420	12-H	Alox	•	•	•	•	•	•	•	•
420	12-H	SiC	•	•	•	•	•	•	•	•
420	12-H	Zir	•	•	•	•	•	•	•	•



Floor Sanding Discs PSA Sheet

Width	Len	Type	P24	P36	P40	P60	P80	P100	P120	P240
300	460	Alox	•	•	•	•	•	•	•	•
300	460	SiC	•	•	•	•	•	•	•	•
300	460	Zir	•	•	•	•	•	•	•	•



Shoe Manufacture & Repair Products

Santek offer a wide range of floor sanding and finishing products.



Abrasive Cloth Belts & Sleeves.

Belts and sleeves can be made up to any sizes required.

Width	Type	P24	P36	P40	P60	P80	P100	P120
GXK56	Alox	•	•	•	•	•	•	•
ZC710X	Zir	•	•	•	•	•	•	•
GXK56	Alox	•	•	•	•	•	•	•
ZC710X	Zir	•	•	•	•	•	•	•

Naumkeag Caps



Width	Type	P24	P36	P40	P60	P80	P100	P120
3 1/2in	Alox	•	•	•	•	•	•	•
3 1/2in	Zir	•	•	•	•	•	•	•
4 1/2 in	Alox	•	•	•	•	•	•	•
4 1/2 in	Zir	•	•	•	•	•	•	•



Abrasive Cones

D1	D2	L	Alox	Zir
36mm	22mm	60mm	•	•
50mm	20mm	40mm	•	•
80mm	38mm	45mm	•	•



Diamond Webster



D1	D2	L	Alox	Zir
36mm	22mm	60mm	•	•
50mm	20mm	40mm	•	•
80mm	38mm	45mm	•	•

Cloth Rolls



Width	Type	P24	P36	P40	P60	P80	P100	P120
31x25m	Alox	•	•	•	•	•	•	•
31x25m	Zir	•	•	•	•	•	•	•
100x25m	Alox	•	•	•	•	•	•	•
100x25m	Zir	•	•	•	•	•	•	•

Non-Woven Wheel

Dia.	Width	Fine	Med
200	50	•	•
150	50	•	•
100	50	•	•



Cotton Shoe Buffs

Dia.	Width	Cloth	Felt
200	30	•	•
200	60	•	•
165	40	•	•



Mops, Buffs & Polish



Our range of mops and buffs are used to achieve high quality finishes on a variety of materials.

Used in conjunction with ether liquid or solid polishing compounds Mops and Buffs can be used on ether stationary or hand held machines.

Polishing compounds should be selected based on the desired finish and the type of material being polished.



Cotton White Stitched Mops

Dia. 50mm to 300mm

Width. 12.5mm to 76mm

Safety



Mops and Buffs perform best between 10-25m/s, this giving the optimum balance surface finish, cutting temperature and wheel life.

NB! Excess speed is dangerous and may result in wheel delaminating, flaking, fiber melting and overheating.

NEVER USE FLAP WHEELS AT SPEEDS IN EXCESS OF 30m/s.

Use in accordance to ANSI B7.1.



Cotton Loose Mops

Dia. 100mm to 300mm

Width. 12.5mm to 76mm



Colour Stitched Mop

Dia. 100mm to 300mm

Width. 12.5mm to 76mm



Sisal Buffs

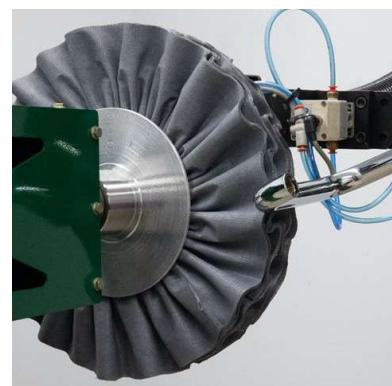
Dia. 100mm to 300mm

Width. 12.5mm to 76mm



Polishing Compound Bars

UF-Med Alox-SiC



Air Mops

Dia. 250mm to 450mm

16 ply

Spindle Mounted Flap Wheels



Flap wheels are used for grinding, dressing, deburring, polishing and blending of all kinds of surfaces.

Santek has three main groups of coated abrasive flap wheels made from high quality resin over resin cotton abrasive cloth.

STD: Ridged and aggressive for high stock removal and grinding applications.

T-Flex: Flexible, good life for general metal and stainless steel applications.

Flap wheels will yield a finer finish than the same grit size in a flat coated abrasive product. This should be taken into consideration when selecting a grit size.

Safety



Flap wheels perform best between 15-20m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and wheel life.

NB! Excess speed is dangerous and may result in wheel disintegration, flaps pulling out, grain shedding and overheating.

NEVER USE FLAP WHEELS AT SPEEDS IN EXCESS OF 40m/s!

Do not use wet or in any coolant or oil. Flap wheels are direction sensitive.

Use in accordance to ANSI B7.1.

Diameter	Recommended Speed rpm	Maximum Speed rpm
25mm	15000	30500
30mm	12000	25400
40mm	9600	19100
50mm	7000	15200
60mm	6300	12700
80mm	4800	9500

Standard Sizes Available

Dia. Width	5mm	10mm	15mm	20mm	25mm	30mm	40mm	50mm
25mm		•	•	•				
30mm	•	•	•	•	•			
40mm		•	•	•	•	•		
50mm	•	•	•	•	•	•	•	
60mm				•	•	•	•	•
80mm					•	•	•	•



Standard Grit Sizes Available

Type	Grit	P40	P60	P80	P120	P150	P240	P320	P400	P600
STD		•	•	•	•	•	•	•	•	•
T-Flex			•	•	•	•	•	•	•	
H-Flex			•	•	•	•	•	•		

Volumes warranted, Santek will deviate for the standard dimensions above and produce product to our customer's specific requirements.

Flap wheels can also be made with Zirconium and Silicone Carbide grain.

Flap Wheels



Flap wheels are used for grinding, dressing, deburring, polishing and blending of all kinds of regular or irregular surfaces.

Santek flap wheels are made in a range of different constructions, offering a choice in flexibility, aggression, hardness and cutting action.

Type-1-L: Standard wheel, Medium density, Medium Pressure, Long Flap, L-Hub.

Type-2-L: Short Flap, Extra high density, Extra high pressure, large hub, L-Hub.

Type-3-U: Soft flap, Low & Med Pressure, good grain exposure, Cooler cut, U-Hub.

Type-4-P: Plastic centre with 19mm hole and keyway, Soft short flaps.

Safety



Flap wheels perform best between 15-20m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and wheel life.

NB! Excess speed is dangerous and may result in wheel disintegration, flaps pulling out, grain shedding and overheating.

NEVER USE FLAP WHEELS AT SPEEDS IN EXCESS OF 50m/s!

Do not use wet or in any coolant or oil. Flap wheels are direction sensitive.

Use in accordance to ANSI B7.1.

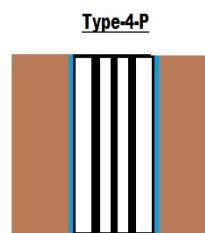
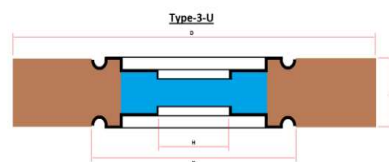
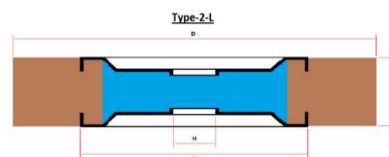
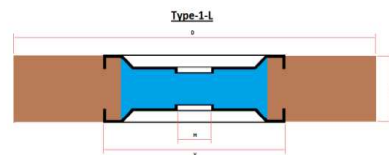
Diameter	Recommended Speed rpm	Maximum Speed rpm
100mm	5500	9500
150mm	3500	6300
200mm	3200	5700
250mm	2600	4700
300mm	1700	3100

Type 1-L Standard Sizes

Dia. Width	25mm	40mm	50mm	100mm	Hub Size
150mm	●	●	●	●	Y76xH25
200mm	●	●	●	●	Y100xH25
250mm		●	●		Y150xH25
300mm		●	●	●	Y150xH25

Type 2-L Standard Sizes

Dia. Width	25mm	40mm	50mm	100mm	Hub Size
150mm	●	●	●	●	Y95xH25



Type 3-U Standard Sizes

Dia. Width	25mm	38mm	50mm	Hub Size
115mm	20mm			M14
150mm	●	●	●	Y80xH25 or H40
200mm	●	●	●	Y100xH25
200mm	●	●	●	Y120xH67
250mm			●	Y120xH67



Standard Grit Sizes Available

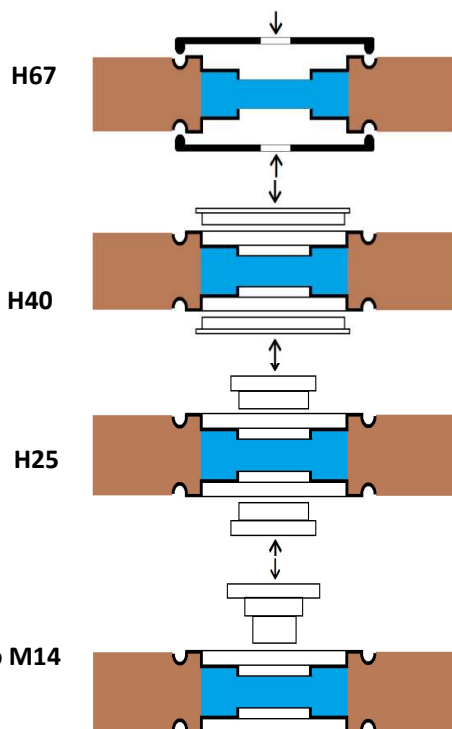
Type	Grit	P40	P60	P80	P120	P240	P320	P400	P600
Type 1-L		•	•	•	•	•	•	•	•
Type 2-L		•	•						
Type 3-U		•	•	•	•	•	•		
Type 4-P		•	•	•	•				



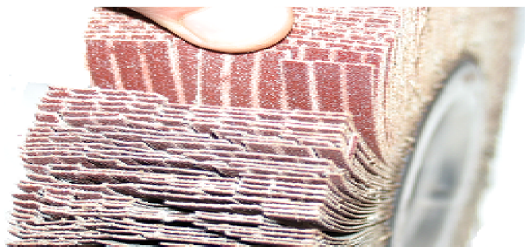
Flange and Bush Sets for Flap Wheels



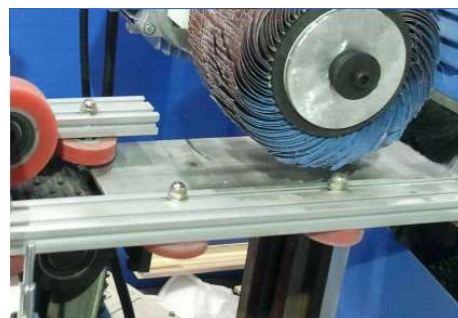
Wheel Hole	Flange Hole	M14	19mm	25mm	30mm	32mm
H25		•	•	•		
H40			•	•	•	•
H67			•	•	•	•



Slashed Flap Wheel



Size	Grit	P60	P80	P120	P240	P320
150x50		•	•	•	•	•
200x50		•	•	•	•	•



Volumes warranted Santek Flap Wheels can be made to almost any dimensions and custom designed to suit our customer's unique requirements.

Non-Woven Abrasives Flap Wheels



Non-Woven Flap wheels are used for, light deburring, polishing, decorative finishing and blending of all kinds of regular and irregular surfaces.

Santek Non-Woven flap wheels are made in a range of different constructions, offering a choice in flexibility, aggression, hardness and finish.

Type-W: Wooden centre. Allowing the wheel to be used on a pig-tail or for the customer to bore their own centre hole.

Type-M-L: Metal centre L-Type. Standard bore dimensions. Stronger and able to operate at slightly higher speeds as opposed to Type-W.

Type-M-U: Metal centre L-Type. Standard bore dimensions. Stronger and able to operate at slightly higher speeds as opposed to Type-W.

Type-4-P: Plastic center with 19mm Key-way. For 100mm hand held machine.

Type-P: PVC large bore. Normally for automated machinery. Can be ganged together for extended width.

Safety



Non-Woven Flap wheels perform best between 10-20m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and wheel life.

NB! Excess speed is dangerous and may result in the wheel delaminating, flaps pulling out, flaking, fiber melting and overheating.

NEVER USE FLAP WHEELS AT SPEEDS IN EXCESS OF 35m/s.

Do not use wet or in any coolant or oil.

Use in accordance to ANSI B7.1.



Type-W

Dia. Width	25mm	50mm	100mm	Hub Size
150mm	●	●		Y76xH(?)
150mm	●	●		Y95xH(?)
200mm	●	●		Y100xH(?)
200mm	●	●		Y125xH(?)
250mm	●	●		Y150xH(?)

Type-M-U



Dia. Width	25mm	50mm	100mm	Hub Size
150mm	●	●		Y80xH25/H40
200mm	●	●		Y100xH25
200mm		●		Y125xH67
250mm		●		Y150xH25

Type-4-P



Dia. Width	25mm	50mm	100mm	Hub Size
100mm		●	●	Y40xH19-K

Diameter	Recommended Speed rpm	Maximum Speed rpm
100mm	3000	5000
150mm	2000	4000
200mm	1500	3000
250mm	1200	2300

Wheel Density Options

H3	H5	H7
Soft	Med	Dense

Type-M-L



Dia. Width	25mm	50mm	100mm	Hub Size
150mm	●	●		Y76xH25
150mm	●	●		Y95xH25
200mm		●	●	Y115xH25
250mm		●	●	Y150xH25

Type-K



Dia. Width	25mm	50mm	100mm	Hub Size
150mm	●	●		Y90xH76
200mm	●	●	●	Y114xH100
250mm		●	●	Y150xH140

Non-Woven Interleaved Flap Wheels



Non-Woven Interleaved wheels are, light deburring, polishing, decorative finishing and blending of all kinds of regular and irregular surfaces.

Santek Non-Woven Interleaved wheels are made in a range of different constructions, offering a choice in flexibility, aggression, hardness and finish.

Type-M-L: Metal centre L-Type. Standard bore dimensions.

Type-M-U: Metal centre L-Type. Standard bore dimensions.

Type-4-P: Plastic center with 19mm Key-way. For 100mm hand held machine.

Type-P: Plastic large bore. Normally for automated machinery. Can be ganged together for extended width.

Safety



Non-Woven Interleaved wheels perform best between 15-20m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and wheel life.

NB! Excess speed is dangerous and may result in the wheel delaminating, flaps pulling out, flaking, fiber melting and overheating.

NEVER USE FLAP WHEELS AT SPEEDS IN EXCESS OF 35m/s.

Do not use wet or in any coolant or oil.

Use in accordance to ANSI B7.1.

Santek produce Interleaved wheels in the following combinations.

1+1 – 1 Non-Woven + 1 Abrasive cloth Flap

1+2 – 1 Non-Woven + 2 Abrasive cloth Flap

1+3 – 1 Non-Woven + 3 Abrasive cloth Flap

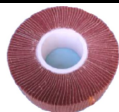


Type-M-L



Dia. Width	25mm	50mm	100mm	Hub Size
150mm	●	●		Y76xH25
150mm	●	●		Y95xH25
200mm		●	●	Y115xH25
250mm		●	●	Y150xH25

Type-P



Dia. Width	25mm	50mm	100mm	Hub Size
150mm	●	●		Y90xH76
200mm	●	●	●	Y114xH100
250mm		●	●	Y150xH140

Standard Grit Sizes Available

	Coarse/P60	Med/P120	Fine/P150	V-Fine/P240
Grit	●	●	●	●

Type-M-U



Dia. Width	25mm	50mm	100mm	Hub Size
150mm	●	●		Y80xH25/H40
200mm	●	●		Y100xH25
200mm		●		Y125xH67
250mm		●		Y150xH25

Type-4-P



Dia. Width	25mm	50mm	100mm	Hub Size
100mm		●	●	Y40xH19-K

Spindle Mounted Non-Woven Wheels



Non-Woven Flap wheels are used for, light deburring, polishing, decorative finishing and blending of all kinds of regular and irregular surfaces.

Safety



Flap wheels perform best between 10-20m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and wheel life.

NB! Excess speed is dangerous and may result in wheel disintegration, flaps pulling out, grain shedding and overheating.

NEVER USE FLAP WHEELS AT SPEEDS IN EXCESS OF 35m/s.

Do not use wet or in any coolant or oil. Flap wheels are direction sensitive.

Use in accordance to ANSI B7.1.

Diameter	Recommended Speed rpm	Maximum Speed rpm
40mm	7500	15000
50mm	6000	12000
60mm	5000	10000
75mm	4300	8000
80mm	4000	7500

Standard Sizes Available

Dia. Width	20mm	25mm	30mm	40mm	50mm
40mm	•	•	•		
50mm		•	•	•	
60mm		•	•	•	•
75mm		•	•	•	•
80mm		•	•	•	•

Standard Grit Sizes Available

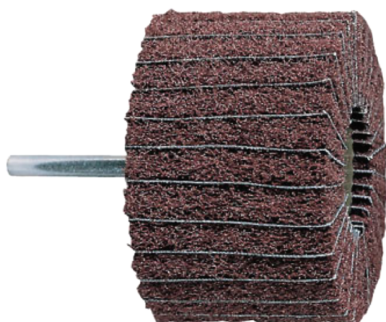
	Coarse	Med	Fine	V-Fine
Grit	•	•	•	•



Volumes warranted, Santek will deviate for the standard dimensions above and produce product to our customer's specific requirements.

Spindle Mounted Non-Woven Interleaved Wheels

Non-Woven Interleaved Flap wheels are used for, light deburring, polishing, decorative finishing and blending of all kinds of regular and irregular surfaces.



Safety



Non-Woven Flap wheels perform best between 15-20m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and wheel life.

NB! Excess speed is dangerous and may result in wheel disintegration, flaps pulling out, grain shedding and overheating.

NEVER USE FLAP WHEELS AT SPEEDS IN EXCESS OF 40m/s!

Do not use wet or in any coolant or oil. Flap wheels are direction sensitive.

Use in accordance to ANSI B7.1.

Diameter	Recommended Speed rpm	Maximum Speed rpm
40mm	7500	15000
50mm	6000	12000
60mm	5000	10000
75mm	4300	8000
80mm	4000	7500

Standard Sizes Available

Dia. Width	20mm	25mm	30mm	40mm	50mm
40mm	•	•	•		
50mm		•	•	•	
60mm		•	•	•	•
75mm		•	•	•	•
80mm		•	•	•	•

Standard Grit Sizes Available

	Coarse/P60	Med/P120	Fine/P150	V-Fine/P240
Grit	•	•	•	•



Volumes warranted, Santek will deviate for the standard dimensions above and produce product to our customer's specific requirements.

Fan Wheels



Fan Wheels designed to grind and blend fillet welds and corners.

When in use the flaps open forming a V-shape, perfectly blending welds to near invisible.

Fan Wheels are made in either Aluminum Oxide or Zirconium.

Safety



Fan Wheels perform best between 15-25m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and life.

NB! Excess speed is dangerous and may result in wheel disintegration, grain shedding and overheating.

NEVER USE PROPELLER & SLOTTED DISCS AT SPEEDS IN EXCESS OF 30m/s.

Do not use wet or in any coolant or oil.

Use in accordance to ANSI B7.1.

Diameter	Recommended Speed rpm	Maximum Speed rpm
178mm	3000	4200



Standard Sizes Available

Dia	Bore
180mm	22mm

Standard Grit Sizes

Grit Size	Alo.	Zir.
P36	●	●
P60	●	●
P80	●	●
P120	●	●
P150	●	
P180	●	
P240	●	
P400	●	
P600	●	

Flap Discs



Flap Discs are used for grinding, dressing, deburring, polishing and blending of all kinds of surfaces and welds.

Santek flap Discs are made in a range of different constructions, offering a choice in flexibility, aggression, hardness and cutting action.

STD: Industry standard quantity of flaps and flap length.

XXL: Increased quantity of flaps per disc. Resulting in a thicker disc and longer life.

Flat Type 27: Flat abrasive surface, offering good flat grinding control,

Dish Type 29: Angled abrasive surface. Aggressive action due to small contact area.

Safety



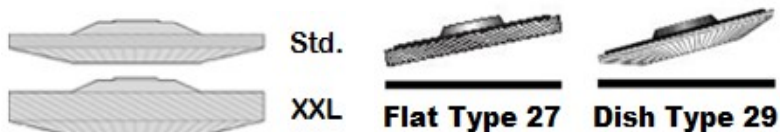
Flap Discs perform best between 50-80m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and life.

NB! Excess speed is dangerous and may result in the disc disintegration, flaps pulling out, grain shedding and overheating.

NEVER USE FLAP DISCS AT SPEEDS IN EXCESS OF 80m/s.

Do not use wet or in any coolant or oil.

Use in accordance to ANSI B7.1.



Diameter	Maximum Speed rpm	Maximum Speed m/s
100mm	15300	80
115mm	13300	80
125mm	12200	80
150mm	8500	80
178mm	5300	80



Standard Abrasive Descriptions

Diameter	Std Alox Brown
Universal Alox Brown	Brown aluminum oxide Eco cloth
Industrial Alox Brown	Brown aluminum oxide on cloth backing
Universal Zir Blue	Zirconium oxide on cloth backing
Industrial Zir Blue	Industrial zirconium oxide on cloth backing
Jumbo Zir Blue	XXL Industrial zirconium oxide on cloth backing
Professional Zir Blue	High content zirconium on cloth backing
Professional XXL Zir Blue	XXL High content zirconium on cloth backing
Ceramic Orange	Ceramic grain cloth backing with cooling top size



Combinations Available per Size

Diameter	Uni Alox Brown	Ind Alox Brown	Uni Zir Blue	Ind Zir Blue	Jumbo Blue	Pro Zir Blue	Pro XXL Zir Blue	Ceramic Orange
100mm		•		•		•		
115mm	•	•	•	•	•	•	•	•
125mm		•	•	•		•		
150mm		•		•		•		
178mm	•	•	•	•		•		•

Standard Grit Sizes Available

Type	Grit	P24	P36	P40	P60	P80	P120	P150	P240	P320	P400	P600
Universal Alox Brown		•	•	•	•	•	•					
Industrial Alox Brown				•	•	•	•	•	•	•	•	•
Universal Zir Blue				•	•	•	•					
Industrial Zir Blue				•	•	•	•					
Jumbo Zir Blue				•	•	•	•					
Professional Zir Blue				•	•	•	•					
Professional XXL Zir Blue				•	•	•	•					
Ceramic Orange			•		•	•	•					

Extra Lip

Twister 115mm flap disc are all made with an extra lip

Designed with flaps that project farther over the backing pad for extended Flap Disc life when grinding fillet welds and hard to reach angles.

Flaps flex and bend to blend the welds. Once the lip is worn away the Flap Disc can be used as per a standard disc.



Before

After



Normal Flap Disc

Extra Lip Flap Disc

Quick-Loc Mini Flap discs



Type	Grit	P40	P60	P80	P120
50mm Industrial Blue		•	•	•	•
76mm Industrial Blue		•	•	•	•

Diameter	Recommended Speed rpm	Maximum Speed rpm
50mm	12000	14000
76mm	8000	10000

Quick-Loc Coated Discs



Santek Quick-Loc Discs are used for grinding, dressing, deburring, polishing and blending of metal surfaces.

Small and flexible, Quick-Loc discs prove highly effective for stock removal and blending of surfaces in both general and tight spaces.

Available with an option of a plastic male or a female metal, thread button.



Safety



Quick-Loc Discs perform best between 20-30m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and wheel life.

NB! Excess speed is dangerous and may result in product disintegration, grain shedding and overheating.

NEVER USE QUICK-LOC DISCS AT SPEEDS IN EXCESS OF 40m/s!

Do not use wet or in any coolant or oil.

Use in accordance to ANSI B7.1.

Standard Sizes Available

Diameter	Alox Brown	Zir Blue	Zir Green	SiC Black	Ceramic Orange
30mm	•	•	•	•	
50mm	•	•	•	•	•
75mm	•	•	•	•	•



Disc Holder



Standard Grit Sizes Available

Type	Grit	P36	P60	P80	P120	P150	P240	P320	P400	P600
Alox Brown		•	•	•	•	•	•	•	•	•
Zir Blue		•	•	•	•					
Zir Green		•	•	•	•					
SiC Black		•	•	•	•	•	•	•	•	•
Cer. Orange		•	•	•	•					



Quick-Loc Non-woven Discs



Non-Woven Quick-Loc Discs are used for, light deburring, polishing, decorative finishing and blending of all kinds of surfaces in both general and tight spaces.

Available with an option of a plastic male or a female metal, thread button.



Safety



Quick-Loc Discs perform best between 10-20m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and wheel life.

NB! Excess speed is dangerous and may result in product disintegration, grain shedding and overheating.

NEVER USE QUICK-LOC DISCS AT SPEEDS IN EXCESS OF 25m/s.

Do not use wet or in any coolant or oil.

Use in accordance to ANSI B7.1.

Diameter	Recommended Speed rpm	Maximum Speed rpm
30mm	7000	10000
50mm	5500	7500
75mm	3800	5000

Disc Holder



Standard Sizes Surface Conditioning

Diameter	V-Fine	Fine	Med	Coarse
30mm	●	●	●	●
50mm	●	●	●	●
75mm	●	●	●	●



Standard Sizes Quick-Strip Disc

Diameter	Coarse
50mm	●
75mm	●



Unitized Discs are available with both Alox and SiC grain.

Available in a Soft, Med and Hard compound.



Standard Sizes Unitized Disc

Diameter	V-Fine	Fine	Med	Coarse
50mm	●	●	●	●
75mm	●	●	●	●

Non-Woven Flap Discs



Non-Woven Flap Discs are used for the deburring, polishing and blending of all kinds of surfaces and welds. Particularly popular for stainless steel applications. Offering a range of satin or mirror finishes.

Santek flap Discs are made in a range of different constructions, offering a choice in flexibility, aggression, hardness and cutting action.

Safety



Non-Woven Flap Discs perform best between 15-50m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and life.

NB! Excess speed is dangerous and may result in the disc disintegration, flaps pulling out, grain shedding and overheating.

NEVER USE FLAP DISCS AT SPEEDS IN EXCESS OF 60m/s.

Do not use wet or in any coolant or oil.

Use in accordance to ANSI B7.1.

Diameter	Recommended Speed rpm	Maximum Speed rpm
* 115mm SC	5000	7000
*178mm SC	2500	5000
Δ 115mm	2400	5300
Δ 178mm	1600	3300

Standard Sizes Surface Conditioning *

Diameter	V-Fine	Fine	Med	Coarse
115mm	•	•	•	•
178mm	•	•	•	•

Standard Sizes Non-Woven Interleaved Δ

Diameter	V-Fine P240	Fine P180	Med P120	Coarse P80
115mm	•	•	•	•
178mm	•	•	•	•

Standard Sizes Deburring Unitized Δ

Diameter	V-Fine	Fine	Med	Coarse
115mm	•	•	•	•
178mm	•	•	•	•



Standard Sizes Non-Woven Fleece Δ

Diameter	V-Fine	Fine	Med	Coarse
115mm	•	•	•	•
178mm	•	•	•	•



Standard Sizes Quick-Strip *

Diameter	Coarse P80
115mm	•
178mm	•



Unitized Discs are available with both Alox and SiC. Available in a Soft, Med and Hard compound.

Non-Woven Unitized Wheels



Non-Woven Unitize wheels are punched out of a grain impregnated compressed fiber slab.

Available in different grit sizes, grit types as well as different densities.

Used in light deburring and polishing applications on both stationary and hand held machines.



Safety



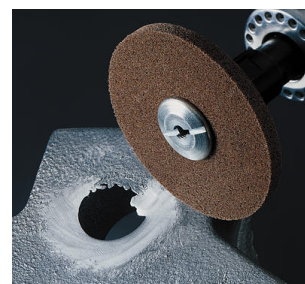
Non-Woven Unitized Wheels perform best between 15-30m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and life.

NB! Excess speed is dangerous and may result in disintegration, shedding and overheating.

NEVER USE FLAP DISCS AT SPEEDS IN EXCESS OF 35m/s.

Do not use wet or in any coolant or oil.

Use in accordance to ANSI B7.1.



Standard Grit sizes and Densities

Grit Size	Density	Soft 3	Med 5	Med/Hard 7	Hard 9
Coarse		●	●	●	●
Medium		●	●	●	●
Fine		●	●	●	●
Very Fine		●	●	●	●

Standard Sizes

Diameter	Width	Bore
50	3.2	6.3
50	6.3	6.3
76	6.3	6.3/9.6
76	12.7	6.3/9.6
150	12.7	25
150	25	25
150	50	25



Flutter Disc Mandrels

Mandrels are available for the 115x10 to be used in a hand tool



Non-Woven Convolute Wheels



Non-Woven Convolute wheels are made from resin impregnated compressed fleece fiber.

Available in different grit sizes and grit types.

Used in light deburring and polishing applications on both stationary and hand held machines.



Safety



Non-Woven Unitized Wheels perform best between 15-30m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and life.

NB! Excess speed is dangerous and may result in disintegration, shedding and overheating.

NEVER USE FLAP DISCS AT SPEEDS IN EXCESS OF 35m/s.

Do not use wet or in any coolant or oil.

Use in accordance to ANSI B7.1.

Diameter	Recommended Speed rpm	Maximum Speed rpm
100mm	3000	5000
150mm	2000	4000
200mm	1500	3000
250mm	1200	2300

Standard Sizes

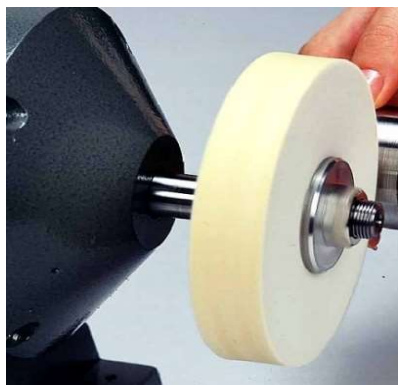
Diameter	Width	Bore
150	25	25/50
150	50	25/50
200	50	76
300	50	127
300	100	127

Standard Grit Sizes

Diameter	Fine	Med	Coarse
Alox	•	•	•
SiC	•	•	•



Felt Polishing Products



Felt is assembled into various different finished products to be used to achieve a high gloss buffed finish.

Used in conjunction with either liquid or solid polishing compounds felt products can be used on a variety of materials.

Polishing compounds should be selected based on the desired finish and the type of material being polished.

Safety



Felt polishing products perform best between 10-20m/s, this giving the optimum balance between , surface finish, temperature and product life.

NB! Excess speed is dangerous and may result in disintegration and overheating.

NEVER USE FLAP DISCS AT SPEEDS IN EXCESS OF 25m/s.

Do not use wet or in any coolant or oil.

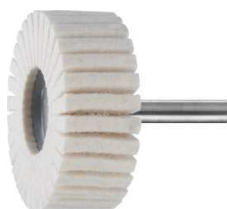
Use in accordance to ANSI B7.1.

Spindle Mounted Flap Wheel

Diameter	Width	Pin
40	20	6
40	30	6
50	30	6
80	40	6
80	50	6

Felt Flap Discs

Diameter	Felt Width	Type
115	3mm	Flat
115	6mm	Flat
115	3mm	Flap



Felt Flap Wheel

Diameter	Width	Pin
150	25	Y80xH25 or H40
150	50	Y80xH25 or H40
200	25	Y100xH25/ Y125xH67
200	50	Y100xH25/ Y125xH67
250	50	Y125xH67

Felt Discs

Diameter	Width	Pin
50	6	6
50	12	6
75	6	10
75	12	10
100	12	12
150	12	25
200	12	25

Felt Quick-Loc Discs

Diameter	Felt Width	Type
50	6mm	PM or MF
75	6mm	PM or MF

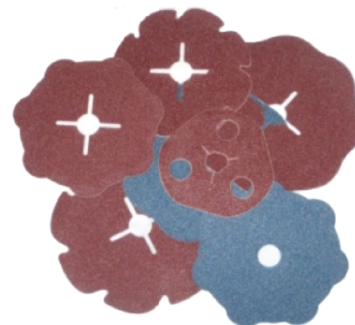
Resin Fiber Discs



Resin Fiber Discs are used for grinding, dressing, deburring, polishing and blending of all kinds of surfaces and welds.

Not only do we supply standard round Resin Fiber discs but we are also able to press them out into a range of specialized shapes.

Octagonal
Rosette
Clove
Rose
AVO (Always Visible Operation)



Safety



Flap Discs perform best between 50-80m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and life.

NB! Excess speed is dangerous and may result in the disc disintegration, grain shedding and overheating.

NEVER USE FLAP DISCS AT SPEEDS IN EXCESS OF 80m/s.

Do not use wet or in any coolant or oil.

Use in accordance to ANSI B7.1.

Diameter	Maximum Speed rpm	Maximum Speed m/s
100mm	15300	80
115mm	13300	80
125mm	12200	80
150mm	8500	80
178mm	5300	80

Standard Abrasive Descriptions

Diameter	Std Alox Brown
Alox Brown	Brown Disc. Aluminum Oxide
Zir Blue	Blue Disc. Zirconium
Std Zir Green	Green Disc. Zirconium with cooling Top Size
Std Ceramic Orange	Orange Disc. Ceramic with colling Top Size



Combinations Available per Size

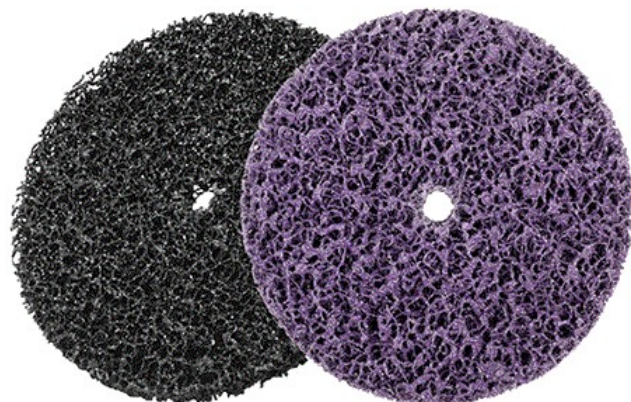
Diameter	Standard Round	Octagonal	Rosette	Clove	Rose	AVO
100mm	●					
115mm	●					●
125mm	●					
150mm	●	●		●		
178mm	●	●	●		●	●

Fiber Disc Backing Pads

All Std sizes available



Non-Woven Quick-Strip Discs



Non-Woven Quick-Strip discs are used to clean, strip rust, paint or carbon from a wide range of surfaces.



Safety



Flap Discs perform best between 50-80m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and life.

NB! Excess speed is dangerous and may result in the disc disintegration, grain shedding and overheating.

NEVER USE FLAP DISCS AT SPEEDS IN EXCESS OF 80m/s.

Do not use wet or in any coolant or oil.

Use in accordance to ANSI B7.1.

Diameter	Maximum Speed rpm	Maximum Speed m/s
50mm	7600	15000
75mm	5100	10000
100mm	3800	7500
150mm	2500	5100
180mm	5000	4800

Standard Sizes

Size	Hole	Velcro	Black	Purple
50mm	●		●	●
75mm	●		●	●
100mm	●		●	●
150mm	●		●	●
180mm		●	●	●



Velcro Loop Disc



Disc Mandrels

Mandrels are available to be used in a hand tool



Mini Spindle Wheel



For Quick-Strip Flap Disc and Quick-Loc disc please refer to Pg 32 and Pg 31 respectively

Cutting and Grinding Discs



Safety



Cutting and grinding wheels perform best between 50-80m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and life.

NB! Excess speed is dangerous and may result in the wheel disintegration or breakage.

Never grind with a cutting disc!

Improper use can cause serious injury or death.

NEVER USE wheels AT SPEEDS IN EXCESS OF 80m/s.

Do not use wet or in any coolant or oil.

Use in accordance to ANSI B7.1.

Please contact Santek for additional safety information.

Cutting Discs



Diameter	Width	Centre	Max Speed	Application
50	1mm	10	80m/s	Inox/Metal
76	1mm	10	80m/s	Inox/Metal
115	1mm	22.2	80m/s	Inox/Metal
115	2.5mm	22.23	80m/s	Metal
230	1.8mm	22.23	80m/s	Inox/Metal
230	3mm	22.23	80m/s	Metal
350	3mm	25	80m/s	Metal



Grinding Discs

Diameter	Width	Centre	Max Speed	Application
115	6.5mm	22.23	80m/s	Metal
230	7mm	22.23	80m/s	Metal
115	6.5mm	22.2	80m/s	Inox
230	7mm	22.23	80m/s	Inox
115	7mm	22.23	80m/s	Masonry
230	7mm	22.23	80m/s	Masonry



Do not use without wearing the appropriate safety clothing and eye protection.

Do not use arbor bushings other than those supplied by the wheel manufacturer.

Do not alter or remove the machine's wheel guard.

Do not use wheels that have been dropped or otherwise damaged.

Do not use abrupt or excessive pressure while cutting.

Do not cut wood or other non-approved materials with an abrasive cut-off wheel.

Do not use the side of a cut-off wheel.

Do not allow the wheel to bend or twist while cutting.

Do not set down the grinder with it leaning on the cut-off wheel.

Do not use the wheel if you have not reviewed all of the safety materials and have not been properly trained in the use of the tool and wheel.

Abrasive Bristle Brushes

Safety



Flap wheels perform best between 15-20m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature and wheel life.

NB! Excess speed is dangerous and may result in wheel disintegration, flaps pulling out, grain shedding and overheating.

NEVER USE FLAP WHEELS AT SPEEDS IN EXCESS OF 40m/s!

Do not use wet or in any coolant or oil. Flap wheels are direction sensitive.

Use in accordance to ANSI B7.1.

Abrasive Bristle brushes are use for med and light cleaning and deburing, in applications where excessive stock removal needs to be avoided. Good for imperfect surfaces and hard to reach spaces.

Available in a range of sizes, grit sizes, grain types and bristle thicknesses.



Bonded Vitrified and Resinoid Wheels



Safety



Cyclone Bonded wheels perform best when used at the recommended speeds, this giving the optimum balance between stock removal, surface finish, cutting temperature and wheel life.

NB! Excess speed is dangerous and may result in serious injury or death.

NEVER USE WHEELS AT SPEEDS ABOVE THE MAXIMUM SPEED INDICATED!

Do not over tighten wheels.

Use the supplied blotters to avoid wheel slippage.

Organic bond wheels have an expiry date. Do not use if expired.

If the wheel is marked with an arrow, mount pointing up.

Use only for the purpose or application the wheel was intended for.

Use in accordance to ANSI B7.1.

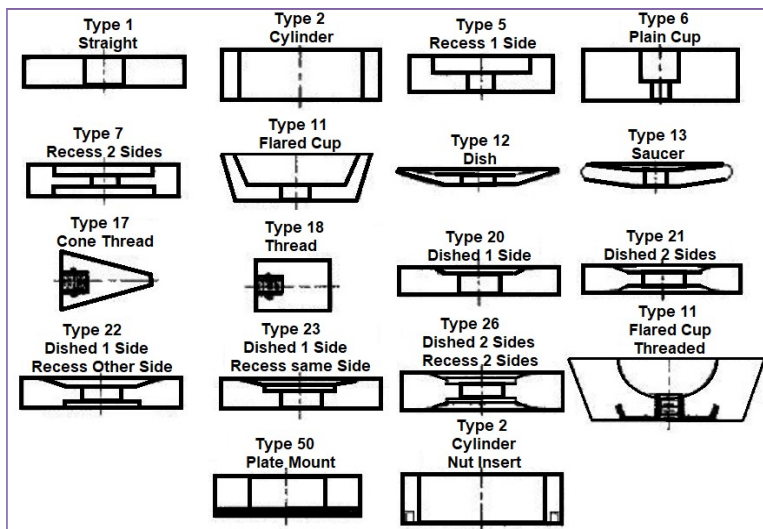
Cyclone Superior Performance Bonded Abrasive Wheels are a wide range of Vitrified and Resinoid grinding wheels for almost any application. Safe, efficient, balanced, economical and highly reliable, Cyclone grinding wheels are the result of decades of R&D and industry experience.

Our range covers wheels for use in:

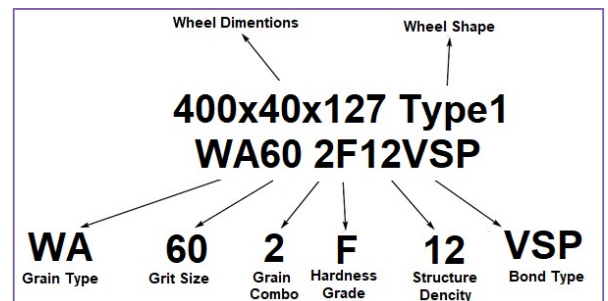
- Tool Rooms
- Foundries
- Precision Grinding
- Automotive manufacturing
- Cylindrical Grinding
- Hard Chrome Grinding
- Heavy engineering
- Metal Fabrication
- Bearing Grinding
- Spring grinding
- Roll Grinding
- Billet Grinding
- Rail Grinding



Bonded Wheel Shapes



Wheel Codes and Markings



Mounted Points



Safety



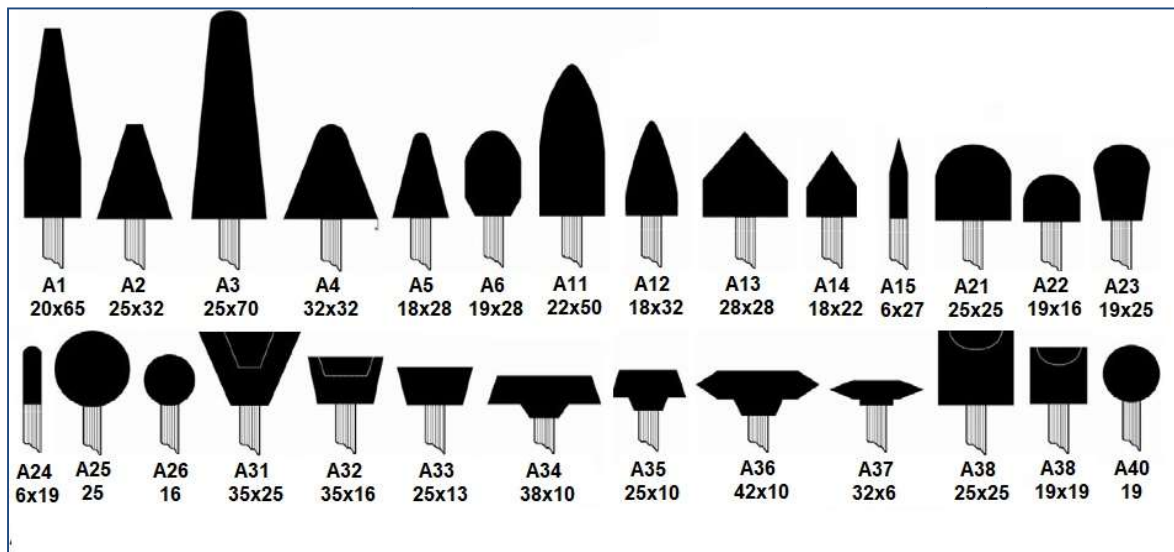
Mounted Points perform best between 30-50m/s, this giving the optimum balance between stock removal, surface finish, cutting temperature.

**NB! Excess speed is dangerous and may result in chipping and breaking
NEVER USE Mounted Points AT SPEEDS IN EXCESS of 50m/s!**

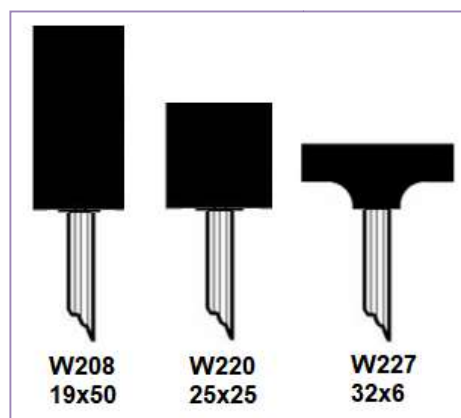
Use in accordance to ANSI B7.1.



A-Shape Mounted Points



W-Shape Mounted Points





Tungsten Carbide Tools

Tungsten Carbide Burrs



Safety



TC Burrs perform best between 350-600m/min, this giving the optimum balance between stock removal, surface finish, cutting temperature.

NB! Excess speed is dangerous and may result in chipping and breaking

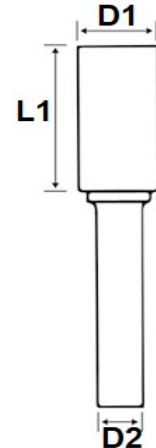
NEVER USE TC BURRS AT SPEEDS IN EXCESS of 600m/min!

Burrs are direction sensitive.

Use in accordance to ANSI B7.1.

TC Burrs are available in a range of different cutting teeth.

DESCRIPTION	Size D1-L1-D2	
Shape A – Cylindrical (Excluding end-cut)	06-16-06	
	10-20-06	
	12-25-06	
Shape B – Cylindrical (Including end-cut)	03-12-03	
	06-16-06	
	10-20-06	
Shape C – Cylindrical Ball Nose	12-25-06	
	06-16-06	
	10-20-06	
	16-25-06	
	12-25-06 with 220mm long shank	
Shape D-Ball	06-06-06	
	10-10-06	
	12-12-06	
Shape F-Round Tree	06-16-06	
	10-20-06	
	12-25-06	
Shape G-Pointed Tree	06-16-06	
	10-20-06	
	12-25-06	
	12-25-06 with 220mm long shank	
Shape L-Ball Nose Cone 14 degree	10-30-06	
	12-30-06	
Shape M-Cone	06-16-06	
	10-20-06	
	12-25-06	
Shape N-Inverted Cone-End	06-06-06	
	12-12-06	



Typhoon TC Burrs are available in assorted sets.



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