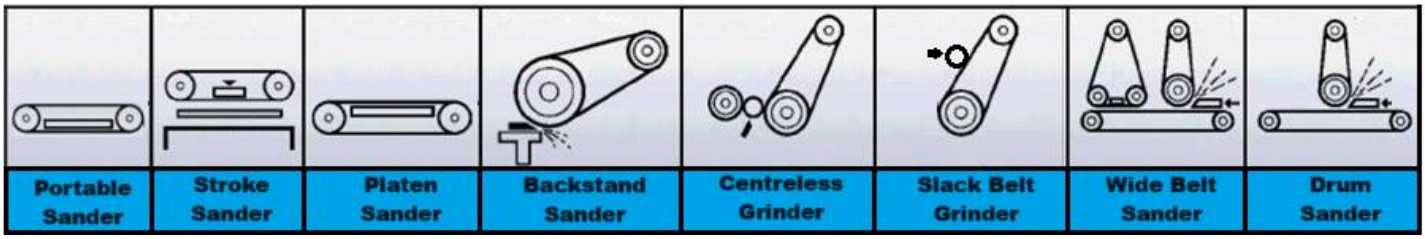
Abrasive Belts Narrow & Wide (Coated & Non-Woven)

Santek Abrasives offers a comprehensive range of Narrow and Wide belts made from the materials and grit sizes listed in the "Coated Abrasive Options" as well as "Non-Woven Surface Conditioning Options" below.

Belt grinding, lapping, linishing 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.



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 with ANSI B7.1.

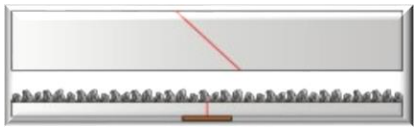
Narrow belts are abrasive belts that are a maximum of 300mm wide.

Wide belts are wider than 300mm.

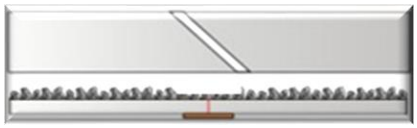
Segmented wide belts When the width of the belt exceeds the width of the material jumbo roll, a multi join process is used to join the belts.

Santek abrasives offers the following option of belt joint types:

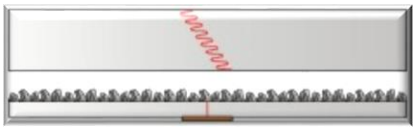
Tape or butt joint



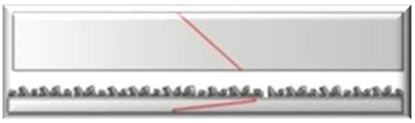
Tape joint with Top Scive



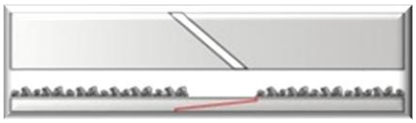
Sine joint



Lap Join



Lap Joint with Top Scive



Coated Material Options

Material	P24	P36	P40	P60	P80	P100	P120	P150	P180	P240	P320	P400	P600	P800	P1200
KX167	●	●	●	●	●	●	●	●	●	●	●	●	●		
GXK51	●	●	●	●	●	●	●	●	●	●	●	●	●		
GXK51-ZQ		●	●	●	●	●	●	●	●	●	●	●	●		
JT133				●	●	●	●	●	●	●	●	●			
JB5				●	●	●	●	●	●	●	●	●			
BYC81	●	●	●	●	●	●	●	●	●	●	●	●	●		
KX456	●	●	●	●	●	●	●	●	●	●	●				
KX563			●	●	●		●	●	●	●					
KX663		●	●	●	●	●	●								
115.03-B		●		●	●		●								
KY533Z		●	●	●	●		●								
TS790Y	●	●	●	●		●	●								
COMPACT							●	●	●	●	●	●	●	●	●
ENGINEERED									A100			A45		A30	A16
CORK												●	●	●	

Non-Woven Material Options

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.

Coated Abrasives Rolls Specification

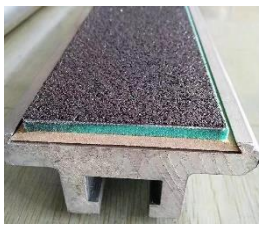
Material	Grain	Backing	Special Features	Application
KX167	AlO3	XY PC	WP HT	For heavy duty wood, metal, stainless, chrome and general. Can be used in oil and coolant.
GXK51	AlO3	X PC	NASS	For general medium to light duty wood, plastic, metal and light stainless applications.
GXK51-ZQ	AlO3	X C		Used for 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. MDF Belts.
KX563	Zir/AlO3	X PC	WP	For medium duty, low pressure metal, hard wood and stainless applications. Low Zir content.
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. For med light 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.

Scalloped Edge Belts

Scalloped edge belts are made by cutting a zig-zag shape 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 & Friction Pads

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



Abrasive Restorers

Abrasive Restorers are used to clean and unclog products made from coated abrasive.

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 or hard to reach application. 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

Standard Sizes Available

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

Felt Products are used in conjunction with ether a liquid or solid polishing compounds. Felt products can be used on a variety of materials but are most used to mirror polish stainless steel.

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