



## **SUPERFLEX SURFACE CONDITIONING**

A Company of the TYROLIT Group  
[www.grindtech.com](http://www.grindtech.com)



## Grinding Techniques

Grinding Techniques was founded in Chamdor (Krugersdorp) in 1981 with the aim of supplying specialised grinding products for the industrial market. Since then, our company has developed into an important force in the industrial abrasives market. With an extensive range of high quality cut-off and grinding wheels, specialised industrial and diamond tools and a wide range of surface finishing tools, you will always find the right product for your application.

Since 2014, Grinding Techniques is an important part of the global TYROLIT Group, one of the world's leading manufacturers of grinding and dressing tools and a system provider for the construction industry based in Austria.



Grinding Techniques headquarters in Chamdor (Krugersdorp)























## The TYROLIT Group

TYROLIT is one of the world's leading manufacturers of grinding and dressing tools as well as a system provider for the construction industry.

Since 1919, TYROLIT stands for products of the highest quality, innovation and service strength. Headquartered in Schwaz (Austria), the Tyrolean family-owned business combines the strengths of being a part of the dynamic Swarovski Group with a century's worth of individual corporate and technological experience. With more than 4,500 employees at 29 production sites in 11 countries, the TYROLIT Group manufactures over 80,000 different products in three business divisions.



## Symbols

 Refer to instructions	 Wear goggles	 Wear ear protection	 Wear gloves
 Wear a mask	 Not permitted for side grinding	 Not permitted for wet grinding	 Off-hand and hand grinding not permitted
 Do not use damaged disc			
 Cast iron	 Concrete	 High alloy steel	 Non-ferrous metals
 Rails	 Stainless steel	 Steel	 Stone
 2-in-1	 Non-ferrous 2-in-1		
 Straight grinder	 Angle grinder	 Bench Grinder	

## Non-Woven Abrasives

Non-Woven abrasives, also referred to as three dimensional abrasives, are abrasive grains bonded to flexible nylon fibers that allow for a consistent finish with the "open-weave" construction providing a continuous supply of new grain as the fiber and old grain wears away





### Non-Woven Handpads

Ideal for cleaning of welds, grind line finishing, intermediate sanding of lacquer and paint as well as cleaning of rust and coatings



**Application:** Universal Use



	Dimensions (mm)	Specification	Part Number	
	152X229	NON WOVEN HAND PAD MEDIUM (MAROON)	4900HP152229MM	10
	152X229	NON WOVEN HAND PAD FINE (MAROON)	4900HP152229FM	10
	152X229	NON WOVEN HAND PAD VERY FINE (MAROON)	4900HP152225VFM	10
	152X229	NON WOVEN HAND PAD GP (GREEN)	4900HP152229GPG	10

## Non-Woven Handpad 2-and-5 Packs

Ideal for cleaning of welds, grind line finishing, intermediate sanding of lacquer and paint as well as cleaning of rust and coatings





**Application:** Universal Use

	Dimensions (mm)	Specification	Part Number	
	152X229	MEDIUM (MAROON) HAND PAD 2 PACK	4900HP152229M2	2
152X229	FINE (MAROON) HAND PAD 2 PACK	4900HP152229F2	2	
152X229	GP (GREEN) HAND PAD 2 PACK	4900HP152229G2	2	
152X229	MEDIUM (MAROON)/GP (GREEN) HAND PAD 2 PACK	4900HPCOMBOM2	2	
152X229	FINE (MAROON)/GP (GREEN) HAND PAD 2 PACK	4900HPCOMBOF2	2	
152X229	MEDIUM (MAROON) HAND PAD 5 PACK	4900HP152229M5	5	
152X229	FINE (MAROON) HAND PAD 5 PACK	4900HP152229F5	5	
152X229	GP (GREEN) HAND PAD 5 PACK	4900HP152229G5	5	

## Non-Woven Rolls



**Application:** Universal Use

	Dimensions (mm)	Specification	Part Number	
	75x10 000	NON WOVEN HAND ROLL MEDIUM (MAROON)	6991A75010NWMMR	1
75x10 000	NON WOVEN HAND ROLL FINE (MAROON)	6991A75010NWFMR	1	
75x10 000	NON WOVEN HAND ROLL VERY FINE (MAROON)	6991A75010NWFVFR	1	
75x10 000	NON WOVEN HAND ROLL GP (GREEN)	6991A75010NWGPGR	1	
150X10 000	NON WOVEN HAND ROLL MEDIUM (MAROON)	6991B06010NWMMRN	1	
150X10 000	NON WOVEN HAND ROLL FINE (MAROON)	6991B06010NWFMR	1	
150X10 000	NON WOVEN HAND ROLL VERY FINE (MAROON)	6991B06010NWFVFR	1	
150X10 000	NON WOVEN HAND ROLL GP (GREEN)	6991B06010NWGPGR	1	



## Cleaning

### Non-Woven Rough Cleaning Disc

Rough cleaning wheels with coarser thicker nylon fibres allow for excellent surface preparation before welding, soldering or anodizing, offering an ideal solution for cleaning welds, removing corrosion, rust, scale and paints without excessive stock removal



**Application:** Cleaning Steel, Cast Iron, Stainless Steel, Non-Ferrous, Titanium, Composites and Paint

	Dimensions DXH (mm)	Specification	Part Number	
	115X22.23	ROUGH CLEANING DISC	4900N11522CB	1



## Conditioning

### Non-Woven Flap Disc

Non-Woven flap discs offer a faster and more economical method of stripping, blending, preparation and finishing



**Application:** Conditioning Steel, Cast Iron, Stainless Steel, Non-Ferrous, Titanium, Composites and Paint

	Dimensions DXH (mm)	Specification	Part Number	
	115X22.23	NON WOVEN FLAP DISC COARSE	4900NFD11522C5	5
115X22.23	NON WOVEN FLAP DISC MEDIUM	4900NFD11522M5	5	
115X22.23	NON WOVEN FLAP DISC VERY FINE	4900NFD11522VF5	5	
115X22.23	NON WOVEN FLAP DISC COARSE	4900NFD11522CR	1	
115X22.23	NON WOVEN FLAP DISC MEDIUM	4900NFD11522MR	1	
115X22.23	NON WOVEN FLAP DISC VERY FINE	4900NFD11522VFR	1	



## Unitised

### Non-Woven Unitised Disc

Unitised wheels are compressed non-woven abrasives. Their unique composition make them a perfect tool for deburring, finishing, cleaning and blending as well as pre-polishing, just to name a few.



**Application:** Pre-Polishing Steel, Stainless Steel, Non-Ferrous, Composites and Titanium



	Dimensions DXH (mm)	Specification	Part Number	
	115X22.23	PREMIUM CONDITIONING DISC FINE-P (Grey)	4900N11522FP	1

## Polishing

### Non-Woven Felt Polishing Disc



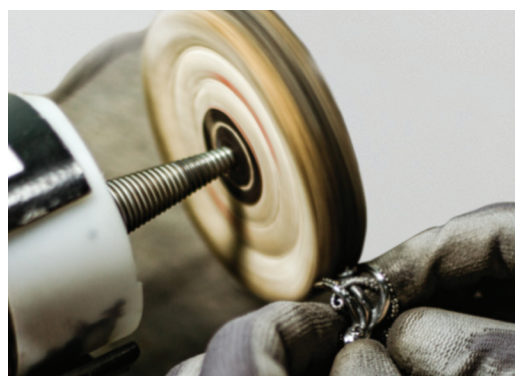
**Application:** Pre-Polishing Steel, Stainless Steel, Non-Ferrous, Composites and Titanium

	Dimensions DXH (mm)	Specification	Part Number	
	115X22.23	PREMIUM CONDITIONING DISC SHF (White)	4900N11522SHF	1

## SUPERFLEX Buffing Wheels and Compounds

Buffing applications follow polishing and refines metallic/ non-metallic surfaces.



A range of cloth wheels are available to suit bench-and-buffing machines with pigtails or spindles and straight-or-die grinders



### SUPERFLEX Denim Colour Stitched Buff



**Application:** Steel, stainless steel, non-ferrous, cast iron, stone, plastic, high speed steel, composites, glass

	Dimensions DxT (mm)	Specification	Part Number	
	150MMX1 SECTION (12.5mm)	DENIM COLOUR STITCHED BUFF	9010CD150S1S	1
	150MMX2 SECTION (25mm)	DENIM COLOUR STITCHED BUFF	9010CD150S2S	1
	200MMX1 SECTION (12.5mm)	DENIM COLOUR STITCHED BUFF	9010CD200S1S	1
	200MMX2 SECTION (25mm)	DENIM COLOUR STITCHED BUFF	9010CD200S2S	1
	250MMX1 SECTION (12.5mm)	DENIM COLOUR STITCHED BUFF	9010CD250S1S	1
	250MMX2 SECTION (25mm)	DENIM COLOUR STITCHED BUFF	9010CD250S2S	1
	300MMX1 SECTION (12.5mm)	DENIM COLOUR STITCHED BUFF	9010CD300S1S	1
	300MMX2 SECTION (25mm)	DENIM COLOUR STITCHED BUFF	9010CD300S2S	1
	150MMX1 SECTION (12.5mm)	DENIM COLOUR STITCHED BUFF 1 PACK	9010CD150S1SB	1
	150MMX2 SECTION (25mm)	DENIM COLOUR STITCHED BUFF 1 PACK	9010CD150S2SB	1
	200MMX1 SECTION (12.5mm)	DENIM COLOUR STITCHED BUFF 1 PACK	9010CD200S1SB	1
	200MMX2 SECTION (25mm)	DENIM COLOUR STITCHED BUFF 1 PACK	9010CD200S2SB	1

Additional sizes available on request

## SUPERFLEX Sisal Buff



**Application:** Steel, stainless steel, non-ferrous, cast iron, stone, plastic, high speed steel, composites, glass



Dimensions DxT (mm)	Specification	Part Number	PU
150MMX1 SECTION (12.5mm)	SISAL STITCHED BUFF	9010C150SS1S	1
150MMX2 SECTION (25mm)	SISAL STITCHED BUFF	9010C150SS2S	1
200MMX1 SECTION (12.5mm)	SISAL STITCHED BUFF	9010C200SS1S	1
200MMX2 SECTION (25mm)	SISAL STITCHED BUFF	9010C200SS2S	1

Additional sizes available on request

## SUPERFLEX Stitched Ball Mop Cotton Buff



**Application:** Steel, stainless steel, non-ferrous, cast iron, stone, plastic, high speed steel, composites, glass



Dimensions DxTxH (mm)	Specification	Part Number	PU
150MMX1 SECTION (12.5mm)	BALL MOP COTTON BUFF STITCHED	9010CB150S1BS	1
150MMX2 SECTION (25mm)	BALL MOP COTTON BUFF STITCHED	9010CB150S2BS	1
200MMX1 SECTION (12.5mm)	BALL MOP COTTON BUFF STITCHED	9010CB200S1BS	1
200MMX2 SECTION (25mm)	BALL MOP COTTON BUFF STITCHED	9010CB200S2BS	1
150MMX1 SECTION (12.5mm)	BALL MOP COTTON BUFF STITCHED - PACKAGED	9010CB150S1BSB	1
150MMX2 SECTION (25mm)	BALL MOP COTTON BUFF STITCHED - PACKAGED	9010CB150S2BSB	1
200MMX1 SECTION (12.5mm)	BALL MOP COTTON BUFF STITCHED - PACKAGED	9010CB200S1BSB	1
200MMX2 SECTION (25mm)	BALL MOP COTTON BUFF STITCHED - PACKAGED	9010CB200S2BSB	1

Additional sizes available on request

## SUPERFLEX Loose Leaf Ball Mop Cotton Buff



**Application:** Steel, stainless steel, non-ferrous, cast iron, stone, plastic, high speed steel, composites, glass



Dimensions DxTxH (mm)	Specification	Part Number	PU
150MMX25 FOLD	BALL MOP COTTON BUFF LOOSE LEAF	9010CB15025LL25F	1
150MMX50 FOLD	BALL MOP COTTON BUFF LOOSE LEAF	9010CB15050LL50F	1
200MMX25 FOLD	BALL MOP COTTON BUFF LOOSE LEAF	9010CB20025LL25F	1
200MMX50 FOLD	BALL MOP COTTON BUFF LOOSE LEAF	9010CB20025LL50F	1
150MMX25 FOLD	BALL MOP COTTON BUFF LOOSE LEAF - PACKAGED	9010CB15025LL25FB	1
150MMX50 FOLD	BALL MOP COTTON BUFF LOOSE LEAF - PACKAGED	9010CB15050LL50FB	1
200MMX25 FOLD	BALL MOP COTTON BUFF LOOSE LEAF - PACKAGED	9010CB20025LL25FB	1
200MMX50 FOLD	BALL MOP COTTON BUFF LOOSE LEAF - PACKAGED	9010CB20025LL50FB	1

Additional sizes available on request

## SUPERFLEX Polishing and Finishing Compounds



**Application:** Stainless steel, steel, titanium, plastic



Specification	Part Number	PU
C3 WHITE POLISHING AND FINISHING COMPOUND	9010CWHITEC3	1
S33 WHITE POLISHING AND FINISHING COMPOUND	9010CWHITES33	1
S33 WHITE POLISHING AND FINISHING COMPOUND - PACKAGED	9010CWHITES33B	1

## SUPERFLEX Polishing and Finishing Compounds



**Application:** Steel, stainless steel, cast iron, high speed steel




Specification	Part Number	PU
BLUE POLISHING AND FINISHING COMPOUND	9010CBLUEPOLC	1
BLUE POLISHING AND FINISHING COMPOUND - PACKAGED	9010CBLUEPOLCB	1

## SUPERFLEX Polishing and Finishing Compounds

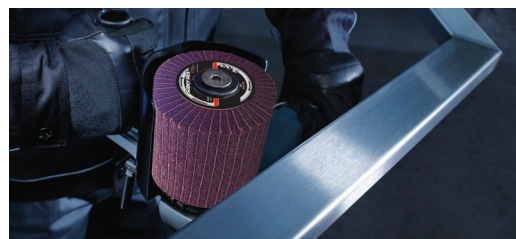


Application: Non-ferrous metals



Specification	Part Number	
BROWN AND GLO NF POLISHING AND FINISHING COMPOUND	9010CGBNFPOLC	1
BROWN AND GLO NF POLISHING AND FINISHING COMPOUND - PACKAGED	9010CGBNFPOLCB	1

## Superflex Rollers for burnishing machines




### SUPERFLEX A/O Abrasive Roller



Application: Steel, stainless steel, wood



Dimensions DxTxH (mm)	Specification	Part Number	
100 X 100 X 19.1 S4	SUPERFLEX A/O ROLLER P40	4900KA100DS4040	1
100 X 100 X 19.1 S4	SUPERFLEX A/O ROLLER P60	4900KA100DS4060	1
100 X 100 X 19.1 S4	SUPERFLEX A/O ROLLER P80	4900KA100DS4080	1
100 X 100 X 19.1 S4	SUPERFLEX A/O ROLLER P120	4900KA100DS4120	1
100 X 100 X 19.1 S4	SUPERFLEX A/O ROLLER P180	4900KA100DS4180	1


Additional sizes available on request

### SUPERFLEX Combination Non-Woven Rollers



Application: Steel, stainless steel, wood



Dimensions DxTxH (mm)	Specification	Part Number	
100 X 100 X 19.1 S4	SUPERFLEX ROLLER P60 & A MEDIUM	4900KA100DS4060A	1
100 X 100 X 19.1 S4	SUPERFLEX ROLLER P80 & C MEDIUM	4900KA100D4S4080C	1
100 X 100 X 19.1 S4	SUPERFLEX ROLLER P100 & C FINE	4900KA100DS4100C	1
100 X 100 X 19.1 S4	SUPERFLEX ROLLER P150 & C FINE	4900KA100DS4150C	1


Additional sizes available on request

### SUPERFLEX Non-Woven Conditioning Rollers



Application: Steel, stainless steel, wood



Dimensions DxTxH (mm)	Specification	Part Number	
100 X 100 X 19.1 S4	SUPERFLEX ROLLER A COARSE	4900KA100DS4C	1
100 X 100 X 19.1 S4	SUPERFLEX ROLLER A MEDIUM	4900KA100DS4M	1
100 X 100 X 19.1 S4	SUPERFLEX ROLLER A FINE	4900KA100DS4F	1
100 X 100 X 19.1 S4	SUPERFLEX ROLLER A VERY FINE	4900KA100DS4VF	1

Additional sizes available on request

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