

flex O vit

**ABRASIVE SOLUTIONS
FOR ANGLE GRINDERS**



INTRODUCTION

With knowledge and experience gained over many years of manufacturing products for the metal fabrication market, including cutting discs and grinding wheels, flap and fibre discs and finishing and polishing products, we are able to help you select the right solution for each stage of the application process.

This brochure is designed to offer products, recommendations and advice for working on a variety of metals, allowing you to be more productive and achieve a more profitable return on your investment. With this brochure, you will be able to:

- Match application needs and requirements to real solutions
- Understand our latest product innovations
- Choose a high performance or more economical product according to your application needs
- Follow a step-by-step process to achieve the best results at each stage

To see the products for yourself, training and demonstration opportunities are available and held in our Centre of Excellence facilities located across Europe.

For more information, contact your local sales representative.



The colour-coded chart of metal fabrication operations represents the eight key application processes found in metal fabrication today, where right angle grinders are most commonly used. It is referenced on each page, providing a 'best product' solution for each application to help you understand which one you need.

STEP-BY-STEP PROCESS

1



CUTTING

Discs for correct dimensioning.

2



GRINDING

Weld and burr removal.

3



STOCK REMOVAL

Flap discs for heavy weld seam and excess material removal.

Fibre discs for excess material removal from both flat and contoured surfaces.

4



BLENDING & REFINING

Impart a uniform finish.

5



DEBURRING

Removing burrs, radiusing and breaking sharp edges.

6



SURFACE PREP & CLEANING

Remove dirt, rust or corrosion and prepare surface prior to coating or welding.

7



FINISHING

Reduce surface roughness, apply a cosmetic finish, prepare for polishing.

8



POLISHING

Final step to provide a high gloss finish.

GRIT APPLICATION TABLE

The table below shows the grit overlap for each product type and every stage of the application process.

COARSE (GRINDING)					FINE (FINISHING)				
Grit or Grade	24	36	40	50	Extra Coarse 60	Coarse 80	Medium 120	Fine 150-180	Very Fine 180-240
	Cutting & Grinding Discs	CUTTING							
GRINDING									
Coated & Non- Woven	STOCK REMOVAL								
					BLENDING & REFINING				
					DEBURRING				
							SURFACE PREP & CLEANING		
							FINISHING		

UNDERSTANDING THE APPLICATION MATRIX

For each of the eight key application processes, the Application Matrix provides a product selection guide. Divided by material and cost requirement (performance or economy), the guide provides a recommendation for selecting the perfect product solution at every stage.

Application:

Identify your application from each of the eight colour-coded stages of the process.

Material:

Select from stainless steel, mild steel and aluminium, depending on your work material.

Product Requirement:

Choose between innovative products providing exceptionally high performance (Yellow) and alternative economy (Grey) solutions.

Product Solution:

Our recommendation to direct you to the best product for your application needs.

PERFORMANCE PRODUCTS WORK OPTIMALLY ON TOOLS WITH HIGHER POWER, 1200W AND ABOVE.

ANGLE GRINDER PROCESS

1 CUTTING

2 GRINDING

3 STOCK REMOVAL

4 BLENDING & REFINING

5 DEBURRING

6 SURFACE PREP & CLEANING

PERFORMANCE | **INLESS STEEL** | **ECONOMY**

FLEXOVIT MAXX3

- Reduced vibration for enhanced comfort
- Self-sharpening ceramic grain for a faster cut and waste
- Longer disc life reduces downtime

FLEXOVIT MAXX3 LCG

- New 3mm grinding wheels are faster, smoother and more precise in light grinding applications
- Ceramic grain and engineered bond technology the metal
- Reduced thickness means less risk of gouging

MEGA-LINE FX777

- Ceramic abrasive for fast and aggressive cut in heavy duty applications
- 0.8mm fibre backing for durability & support
- Supersize treatment reduces heat build up

MEGA-LINE FLEXFINISH

- Cut and finish with one disc
- Removes light weld beads and spatter, deburrs and imparts a smooth finish
- Increased life for less downtime & faster throughput

MEGA-LINE FLEXFINISH

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- Removes light weld beads and spatter, deburrs and imparts a smooth finish
- Increased life for less downtime & faster throughput

MEGA-LINE FLEXCLEAN

- High performance ceramic grain for fast cut & longer life

INDUSTRIAL LINE

- Thin wheel thick
- Sharp aluminium hardness for a stable cut

INDUSTRIAL LINE

- Medium hardness with performance

MEGA-LINE PINK








- Ideal for mild to heavy duty applications on stainless steel
- High and regular cut rate

INDUSTRIAL LINE SURFACE B

- Tough and versatile
- Combines cutting speed of coarse finish of fine grits
- Open structure prevents loading for cutting through life of disc

INDUSTRIAL LINE SURFACE B

- Tough and versatile
- Combines cutting speed of coarse finish of fine grits
- Open structure prevents loading for cutting through life of disc

ANGLE GRINDER PROCESS			STAINLESS STEEL	
			PERFORMANCE	ECONOMY
1		CUTTING	FLEXOVIT MAXX3 <ul style="list-style-type: none"> • Reduced vibration for enhanced comfort • Self-sharpening ceramic grain for a faster cut • Longer disc life reduces downtime and waste 	INDUSTRIAL LINE THIN CUT <ul style="list-style-type: none"> • Thin wheel thickness for a precise cut. • Sharp aluminium oxide grain and medium bond hardness for a stable cut throughout wheel life
2		GRINDING	FLEXOVIT MAXX3 LCG <ul style="list-style-type: none"> • New 3mm grinding wheels are faster, smoother and more precise in light grinding applications • Ceramic grain and engineered bond technology • Reduced thickness means less risk of gouging the metal 	INDUSTRIAL LINE <ul style="list-style-type: none"> • Medium hardness wheel for good grinding performance
3		STOCK REMOVAL	MEGA-LINE FX777 <ul style="list-style-type: none"> • Ceramic abrasive for fast and aggressive cut • 0.8mm fibre backing for durability & support in heavy duty applications • Supersize treatment reduces heat build up 	MEGA-LINE PINK <ul style="list-style-type: none"> • Ideal for mid to heavy duty applications on stainless steel • High and regular cut rate INDUSTRIAL LINE FX672 <ul style="list-style-type: none"> • Self-sharpening Zirconia grain • Good cut rate
4		BLENDING & REFINING	MEGA-LINE FLEXFINISH <ul style="list-style-type: none"> • Cut and finish with one disc • Removes light weld beads and spatter, deburrs and imparts a smooth finish • Increased life for less downtime & faster throughput 	INDUSTRIAL LINE SURFACE BLENDING <ul style="list-style-type: none"> • Tough and versatile • Combines cutting speed of coarse grits with finish of fine grits • Open structure prevents loading for consistent cutting through life of disc
5		DEBURRING	MEGA-LINE FLEXFINISH <ul style="list-style-type: none"> • Cut and finish with one disc • Removes light weld beads and spatter, deburrs and imparts a smooth finish • Increased life for less downtime & faster throughput 	INDUSTRIAL LINE SURFACE BLENDING <ul style="list-style-type: none"> • Tough and versatile • Combines cutting speed of coarse grits with finish of fine grits • Open structure prevents loading for consistent cutting through life of disc
6		SURFACE PREP & CLEANING	MEGA-LINE FLEXCLEAN <ul style="list-style-type: none"> • High performance ceramic grain for faster cut & longer life • Surface condition, strip and clean with one disc, without gouging, snagging or shedding 	INDUSTRIAL LINE FLEXCLEAN <ul style="list-style-type: none"> • Silicon carbide grain for aggressive removal of coatings • Open structure prevents loading, snagging or shedding • Ideal for general purpose use
7		FINISHING	SPEEDOFLEX FLEXFINISH <ul style="list-style-type: none"> • Imparts a high quality, shiny surface finish • Unitised construction supports a smooth operation • Reduces heat build-up to maintain part integrity 	SURFACE BLENDING DISC <ul style="list-style-type: none"> • Aluminium oxide grain is versatile for use in finishing applications
8		POLISHING	INDUSTRIAL LINE FLEXPOLISH <ul style="list-style-type: none"> • Felt wool polishing pad for a high shine finish • Use with or without polishing compound or paste 	

MILD STEEL		ALUMINIUM	
PERFORMANCE	ECONOMY	PERFORMANCE	ECONOMY
FLEXOVIT MAXX3 <ul style="list-style-type: none"> Reduced vibration for enhanced comfort and reduced fatigue Self-sharpening ceramic grain for a faster cut Longer disc life reduces downtime and waste 	INDUSTRIAL LINE THIN CUT <ul style="list-style-type: none"> Thin wheel thickness for a precise cut. Sharp aluminium oxide grain and medium bond hardness for a stable cut throughout wheel life 	INDUSTRIAL LINE ALUMINIUM <ul style="list-style-type: none"> Unique grain and bond combination for excellent performance Bond system prevents loading and does not glaze during cutting for longer product life 	
FLEXOVIT MAXX3 <ul style="list-style-type: none"> Ceramic grain for the highest material removal rate Significant savings in time and productivity High performance in rough applications 	INDUSTRIAL LINE <ul style="list-style-type: none"> Medium hardness wheel for good grinding performance 	INDUSTRIAL LINE ALUMINIUM <ul style="list-style-type: none"> Sharp aluminium oxide grain enables fast material removal Reduces clogging during grinding Achieves a smooth finish 	
MEGA-LINE PINK <ul style="list-style-type: none"> Ceramic grain for excellent cut rate Supersize layer for a reduced heat generation on the workpiece 	INDUSTRIAL LINE FX672 <ul style="list-style-type: none"> Good, regular cut rate Zirconia grain is self sharpening for a consistent cut 	INDUSTRIAL LINE PREMIUM <ul style="list-style-type: none"> Premium self sharpening zirconia grain for consistent cut rate throughout disc life 	SPEEDOFLEX FX170 <ul style="list-style-type: none"> Tough & versatile aluminium oxide abrasive fibre discs for processing steel and metal alloys
INDUSTRIAL LINE PREMIUM <ul style="list-style-type: none"> Premium self sharpening zirconia grain for consistent cut rate throughout disc life 	INDUSTRIAL LINE FX672 <ul style="list-style-type: none"> Sharp Zirconia grain removes material stock easily from aluminium 	INDUSTRIAL LINE STEEL <ul style="list-style-type: none"> Aluminium oxide grain provides a fast initial cut rate 	SPEEDOFLEX FX170 <ul style="list-style-type: none"> Aluminium oxide grain for good cut rate on soft aluminium alloys
MEGA-LINE FLEXFINISH <ul style="list-style-type: none"> Cut and finish with one disc Removes light weld beads and spatter, deburrs and can also impart a smooth finish Increased life for less downtime & faster throughput 	SURFACE BLENDING DISC <ul style="list-style-type: none"> Tough and versatile For general purpose blending, finishing, cleaning and light deburring 	MEGA-LINE FLEXFINISH <ul style="list-style-type: none"> Cut and finish with one disc Removes light weld beads and spatter, deburrs and imparts a smooth finish Increased life for less downtime & faster throughput 	SURFACE BLENDING DISC <ul style="list-style-type: none"> Tough and versatile For general purpose blending, finishing, cleaning and light deburring
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MEGA-LINE FLEXCLEAN <ul style="list-style-type: none"> High performance ceramic grain for faster cut & longer life Surface condition, strip and clean with one disc, without gouging, snagging or shedding 	INDUSTRIAL LINE FLEXCLEAN <ul style="list-style-type: none"> Silicon carbide grain for aggressive removal of coatings Open structure prevents loading, snagging or shedding Ideal for general purpose use on a variety of metals 	MEGA-LINE FLEXCLEAN <ul style="list-style-type: none"> High performance ceramic grain for fast cut and long life Surface condition, strip and clean with one disc without gouging, snagging or shedding 	INDUSTRIAL LINE FLEXCLEAN <ul style="list-style-type: none"> Silicon carbide grain for aggressive removal of coatings Open structure prevents loading, snagging or shedding Ideal for general purpose use on a variety of metals
SPEEDOFLEX FLEXFINISH <ul style="list-style-type: none"> Imparts a high quality, shiny surface finish Unitised construction supports a smooth operation Reduces heat build-up to maintain part integrity 	INDUSTRIAL LINE SURFACE BLENDING DISC <ul style="list-style-type: none"> Versatile in finishing applications Open structure prevents loading for consistent cutting through life of disc 	SPEEDOFLEX FLEXFINISH <ul style="list-style-type: none"> Imparts a high quality, shiny surface finish Unitised construction supports a smooth operation Reduces heat build-up to maintain part integrity 	INDUSTRIAL LINE SURFACE BLENDING DISC <ul style="list-style-type: none"> Versatile in finishing applications Open structure prevents loading for consistent cutting through life of disc
INDUSTRIAL LINE FLEXPOLISH <ul style="list-style-type: none"> Felt wool polishing pad for a high shine finish Use with or without polishing compound or paste 		INDUSTRIAL LINE FLEXPOLISH <ul style="list-style-type: none"> Felt wool polishing pad for a high shine finish Use with or without polishing compound or paste 	

UNDERSTANDING THE PROCESS GUIDE

The process guide focusses on six common processes using an angle grinder in metal fabrication applications. It's designed to show you our highest performance products for each stage to demonstrate the most effective solution for your operations. Alternative economy solutions can be found in the product index starting on page 26.

WELD REMOVAL TO A COMMERCIAL FINISH IN 3 STEPS (STAINLESS STEEL)

STEP 1 GRINDING

Remove the excess weld with new Flexovit Maxx3 Light Comfort Grinding discs - at only 3mm thick they're smoother, stronger and faster than conventional 7mm wheels.



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PRODUCT RECOMMENDATIONS



FLEXOVIT MAXX3 LCG

THICKNESS (mm)	DIMENSIONS (mm) D x T x B	TYPE	SPEC	PK QTY	ART NO.
3,0	115 x 3,0 x 22,23	27	NO 30 S	10	66252846612
	125 x 3,0 x 22,23	27	NO 30 S	10	66252846613

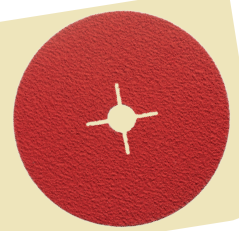
CERAMIC TECHNOLOGY



MEGA-LINE FX777

DIM DxB (mm)	GRIT	PK QTY	ART NO.
115 x 22	P36	25	66254493915
	P50	25	66254493916
125 x 22	P36	25	66254493919
	P50	25	66254493920
180 x 22	P36	25	66254493923
	P50	25	66254493924

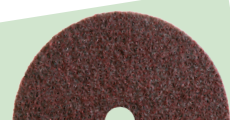
CERAMIC TECHNOLOGY



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WELD PREPARATION AND FINISHING IN 4 STEPS (CARBON STEEL)

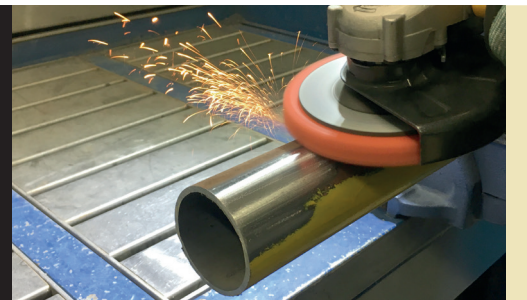
STEP 1 CUTTING

Flexovit Maxx3 cutting discs are easy to use, easy to steer and deliver consistent results. Thanks to the sharp ceramic grain which cuts with ease through the metal, MAXX3 reduces vibration on the surface, making cutting more comfortable.



STEP 2 CLEANING

Mega-line Flexclean discs are best used at a 10-15° angle to quickly eliminate unwanted coatings and corrosion, with minimal stock removal. It's a truly versatile product, as you can achieve a more aggressive action as you increase the pressure. It's comfortable to use without damaging or gouging components.



STEP 3 BEVELLING

Bevel the edges of your workpiece prior to welding to ensure the weld fully penetrates the metal with new Flexovit Maxx3 Light Comfort Grinding discs - at only 3mm thick they're smoother, stronger and faster than conventional 7mm wheels.



STEP 4 WELD SEAM REMOVAL

Industrial Line Premium flap discs are tough and versatile. The premium self sharpening zirconia grain provides a consistent cut rate throughout disc life, giving you a consistent high-quality finish.



PRODUCT RECOMMENDATIONS



FLEXOVIT MAXX3

CERAMIC TECHNOLOGY

DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
115	1,0 x 22,23	NQ60Y-T41	25	66253371480	150	2,5 x 22,23	NQ24P-T41	25	66252846122
	1,3 x 22,23	NQ60ZZ-T41	25	66253371481	230	2,5 x 22,23	NQ24P-T41	25	66252846358
	1,6 x 22,23	NQ46ZZ-T41	25	66253371482					
125	1,0 x 22,23	NQ60Y-T41	25	66253371483	125	2,5 x 22,23	NQ24P-T42	25	66252832259
	1,3 x 22,23	NQ60ZZ-T41	25	66253371484	150	2,5 x 22,23	NQ24P-T42	25	66252846124
	1,6 x 22,23	NQ46ZZ-T41	25	66253371485	180	2,5 x 22,23	NQ24P-T42	25	66252845045
	2,5 x 22,23	NQ24P-T41	25	66252845953	230	2,5 x 22,23	NQ24P-T42	25	66252846359



MEGA-LINE FLEXCLEAN

Dimensions (mm) D x T x H	GRADE	CAP CODE	PK QTY	RPM	ART NO.
115 x 12 x 22	EX Coarse	R9101	10	12000	66623396063
125 x 12 x 22	EX Coarse	R9101	10	12000	63642547410
178 x 12 x 22	EX Coarse	R9101	10	8000	69957309826



FLEXOVIT MAXX3 LCG

THICKNESS (mm)	DIMENSIONS (mm) D x T x B	TYPE	SPEC	PK QTY	ART NO.
3,0	115 x 3,0 x 22,23	27	NQ 30 S	10	66252846612
	125 x 3,0 x 22,23	27	NQ 30 S	10	66252846613



INDUSTRIAL LINE PREMIUM

DIM DxB (mm)	GRIT	PK QTY	ART NO.
115 x 22	P60	10	63642517978
125 x 22	P60	10	63642519304
180 x 22	P60	10	63642519305



WELD REMOVAL TO A COMMERCIAL FINISH IN 2 STEPS (STAINLESS STEEL)

STEP 1 STOCK REMOVAL

Mega-Line FX777 discs in grit P50 used at 10-15° angle will remove the remaining weld quickly. For faster material removal, a reinforced back-up pad with grit P36 works best. For more details on our available back-up pads, see page 30.



STEP 2 BLENDING & REFINING

Industrial Line surface blending discs are ideal for blending applications and will remove grind lines left by the fibre disc during the stock removal stage. The bright finish left by the disc can be used either as the final finish or as an intermediate step to a polished finish.



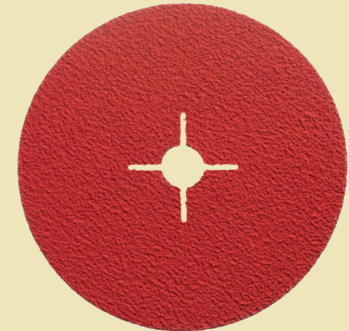
PRODUCT RECOMMENDATIONS



MEGA-LINE FX777

CERAMIC TECHNOLOGY

DIM DxB (mm)	GRIT	PK QTY	ART NO.
115 x 22	P36	25	66254493915
	P50	25	66254493916
125 x 22	P36	25	66254493919
	P50	25	66254493920
180 x 22	P36	25	66254493923
	P50	25	66254493924



INDUSTRIAL LINE SURFACE BLENDING DISC

DIA (mm)	GRADE	COLOUR	CAP CODE	PK QTY	ART NO.
115	Medium	Red	S2303	20	69957310758
125	Medium	Red	S2303	20	69957310796



CUTTING TO A COMMERCIAL FINISH IN 3 STEPS (STAINLESS STEEL)

STEP 1 CUTTING

Flexovit Maxx3 discs cut with ease through stainless steel. Thanks to the ceramic grain, the discs 'bite' the metal and don't bounce or vibrate during use, meaning a more comfortable cutting experience throughout disc life.



STEP 2 DEBURRING AND SHAPING

The ceramic grain in the Flexovit Mega-Line Pink discs has an aggressive, consistent cutting action for maximum stock removal. Flap discs deliver longer life and more conformability compared to fibre discs, adapting to the workpiece edge for better results.

Grit P60 produces light finish lines, which can be easily removed using a megaline Flexfinish blending disc; use a powerful angle grinder above 1200W for optimum performance.



STEP 3 BLENDING & REFINING

Megaline Flexfinish discs are comfortable to use with finer finishing capabilities. Discs are best used at an angle of 10-15° preventing scratch patterns. A Medium grade disc is used to refine the finish after step 2.



PRODUCT RECOMMENDATIONS



FLEXOVIT MAXX3

CERAMIC TECHNOLOGY

DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
115	1,0 x 22,23	NQ60Y-T41	25	66253371480	150	2,5 x 22,23	NQ24P-T41	25	66252846122
	1,3 x 22,23	NQ60ZZ-T41	25	66253371481	230	2,5 x 22,23	NQ24P-T41	25	66252846358
	1,6 x 22,23	NQ46ZZ-T41	25	66253371482					
125	1,0 x 22,23	NQ60Y-T41	25	66253371483	125	2,5 x 22,23	NQ24P-T42	25	66252832259
	1,3 x 22,23	NQ60ZZ-T41	25	66253371484	150	2,5 x 22,23	NQ24P-T42	25	66252846124
	1,6 x 22,23	NQ46ZZ-T41	25	66253371485	180	2,5 x 22,23	NQ24P-T42	25	66252845045
	2,5 x 22,23	NQ24P-T41	25	66252845953	230	2,5 x 22,23	NQ24P-T42	25	66252846359



MEGA-LINE PINK

CERAMIC TECHNOLOGY

DIM DxB (mm)	GRIT	PK QTY	ART NO.
115 x 22	P60	10	66261150494
125 x 22	P60	10	66261146414



MEGA-LINE FLEXFINISH

Dimensions (mm) D x T x H	GRADE	COLOUR	CAP CODE	PK QTY	ART NO.
115 x 12 x 22	Medium	Blue	U2305	10	66623396391
125 x 12 x 22	Medium	Blue	U2305	10	63642547412



WELD REMOVAL TO A MIRROR FINISH IN 4 STEPS (STAINLESS STEEL)

STEP 1 STOCK REMOVAL

Flexovit Mega-Line Pink flap discs in grit P60 are ideal for weld and stock removal. Flap discs are particularly suited to this application as the constant erosion of the backing allows new, sharper grain to be exposed during use, offering longer product life. As the backing is softer than that of a fibre disc, the surface finish will be better, reducing the number of further steps.



STEP 2 BLENDING & REFINING

Mega-Line Flexfinish discs are comfortable to use with finer finishing capabilities. Engineered grain technology provides multiple uses in one disc, whilst the dense fibre and tightly packed grain provide increased life. Discs are best used at an angle of 10-15° preventing scratch patterns.



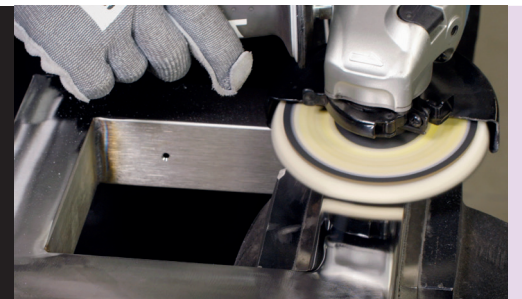
STEP 3 FINISHING

Speedoflex Flexfinish has excellent final finishing capabilities and imparts an extremely fine, bright and shiny surface. It's best used at a 10-15° angle and needs to be moved slowly across the workpiece, using just the weight of the angle grinder for pressure. For best results and to avoid burn use at 6000 to 7000 rpm.



STEP 4 POLISHING

Industrial line Flexpolish flap discs are made of felt wool to generate a mirror finish with smooth, scratch free results. Use with a polishing compound and operate at 6000-7000rpm to avoid burn.



PRODUCT RECOMMENDATIONS



MEGA-LINE PINK

CERAMIC TECHNOLOGY

DIM DxB (mm)	GRIT	PK QTY	ART NO.
115 x 22	P60	10	66261150494
125 x 22	P60	10	66261146414



MEGA-LINE FLEXFINISH

Dimensions (mm) D x T x H	GRADE	COLOUR	CAP CODE	PK QTY	ART NO.
115 x 12 x 22	Medium	Blue	U2305	10	66623396391
125 x 12 x 22	Medium	Blue	U2305	10	63642547412



SPEEDOFLEX FLEXFINISH

Dimensions (mm) D x T x H	GRADE	COLOUR	CAP CODE	PK QTY	ART NO.
115 x 12 x 22	Fine	Grey	U4401	10	66254492400
125 x 12 x 22	Fine	Grey	U4401	10	77696066957



INDUSTRIAL LINE FLEXPOLISH

DIA x B (mm)	CAP CODE	GRADE	PK QTY	ART NO.
115 x 22	F0005	Felt	10	66261113019
125 x 22	F0005	Felt	10	66261113023



NON-FERROUS METAL PREPARATION FOR PAINT AND COATINGS IN 2 STEPS

STEP 1 STOCK REMOVAL

Industrial Line FX672 fibre discs in grit P60 are a good option for non-ferrous soft materials. Due to the soft nature of the material they need to be used with light and even pressure to avoid gouging and excess material removal. For best results choose the medium density back-up pad, see page 30 for details.



STEP 2 BLENDING & REFINING

Mega-Line Flexfinish should be used after the fibre disc to impart a finish ready to be coated as it removes scratch patterns and provides a key for any surface coating or paint to adhere to minimising the risk of peeling.



PRODUCT RECOMMENDATIONS



INDUSTRIAL LINE FX627

DIM DxB (mm)	GRIT	PK QTY	ART NO.
115 x 22	P60	25	63642585569
125 x 22	P60	25	63642585582
180 x 22	P60	25	63642585590



MEGA-LINE FLEXFINISH

Dimensions (mm) D x T x H	GRADE	COLOUR	CAP CODE	PK QTY	ART NO.
115 x 12 x 22	Medium	Blue	U2305	10	66623396391
125 x 12 x 22	Medium	Blue	U2305	10	63642547412



PAINT COATING AND CORROSION REMOVAL

2 OPTIONS

OPTION 1

SURFACE PREPARATION & CLEANING

Mega-Line Flexclean discs are best used at 10-15° angle to quickly eliminate unwanted coatings and corrosion, with minimal stock removal. The open nature of the web prevents gouging, snagging or shedding even under high pressure, creating a truly versatile disc that allows you to achieve more aggressive removal by increasing the pressure.



OPTION 2

SURFACE PREPARATION & CLEANING

Twist knotted wire cup brushes can be used as an alternative to Mega-Line Flexclean. A range of cup brushes are available for hard to reach areas or flat surfaces. The conformability of the wire structure enables the brush to remove unwanted coatings from uneven or pitted surfaces.



PRODUCT RECOMMENDATIONS



MEGA-LINE FLEXCLEAN

Dimensions (mm) D x T x H	GRADE	CAP CODE	PK QTY	RPM	ART NO.
115 x 12 x 22	EX Coarse	R9101	10	12000	66623396063
125 x 12 x 22	EX Coarse	R9101	10	12000	63642547410
178 x 12 x 22	EX Coarse	R9101	10	8000	69957309826



TWIST KNOTTED CUP BRUSHES

DXA L (mm)	GRINDER SIZE (mm)	PK QTY	NORMAL STEEL	STAINLESS STEEL
65xM14 T20	115 & 125	1	7660739517	7660739530

CRIMPED CUP BRUSHES

DXA L (mm)	GRINDER SIZE (mm)	PK QTY	NORMAL STEEL	STAINLESS STEEL
60xM14 T16	115 & 125	1	7660739541	7660739552



SCALE REMOVAL & CLEANING

1 OPTION

OPTION 1

SCALE REMOVAL AND CLEANING

Speedoflex KX31 Plus flap wheels will quickly remove the scale, rust or paint from the workpiece. They are ideal for sanding contours and uneven surfaces, whilst delivering a consistent cut rate. Ideal for linear finishing in metal fabrication and welding industries.

Flexovit flap wheels are more forgiving than other abrasives, reducing the risk of flattening, gouging or surface deformation, meaning fewer rejected parts, and better long term productivity.



PRODUCT RECOMMENDATIONS



SPEEDOFLEX KX31 PLUS

Dimensions (mm) WxTH	GRIT	PK QTY	ART NO.	REC. SPEED (RPM)
115x20 M14	40	5	66261121437	6700-8300
	60	5	66261121438	
	80	5	66261121439	
	120	5	66261121440	
125x20 M14	40	5	66261121446	6000-7700
	60	5	66261121451	
	80	5	66261121452	
	120	5	66261121453	



SHARP EDGE REMOVAL AFTER LASER CUTTING

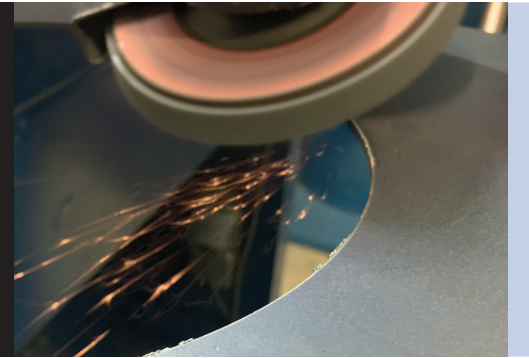
1 OPTION (CARBON STEEL)

OPTION 1

REMOVAL OF BURRS

The Speedoflex Flexfinish disc is more compact and heavy duty, enabling the removal of larger burrs, and sharp edges.

The solid 3D structure of the product gives longer life and better productivity.



PRODUCT RECOMMENDATIONS



SPEEDOFLEX FLEXFINISH

Dimensions (mm) D/AxTxH	CAP CODE	MAX RPM	GRADE	APPLICATION	PK QTY	ART NO.
115 x 12 x 22	U4401	12000	NEX2SF	Blend & Finish	10	66254492400
125 x 12 x 22	U4401	12000	NEX2SF	Blend & Finish	10	77696066957



PRODUCT INDEX

CUTTING

PERFORMANCE

STAINLESS STEEL

MILD STEEL

FLEXOVIT MAXX3

CERAMIC TECHNOLOGY

DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
115	1,0 x 22,23	NQ60Y-T41	25	66253371480
	1,3 x 22,23	NQ60ZZ-T41	25	66253371481
	1,6 x 22,23	NQ46ZZ-T41	25	66253371482
125	1,0 x 22,23	NQ60Y-T41	25	66253371483
	1,3 x 22,23	NQ60ZZ-T41	25	66253371484
	1,6 x 22,23	NQ46ZZ-T41	25	66253371485
150	2,5 x 22,23	NQ24P-T41	25	66252846122
230	2,5 x 22,23	NQ24P-T41	25	66252846358
125	2,5 x 22,23	NQ24P-T42	25	66252832259
150	2,5 x 22,23	NQ24P-T42	25	66252846124
180	2,5 x 22,23	NQ24P-T42	25	66252845045
230	2,5 x 22,23	NQ24P-T42	25	66252846359



- Premium self-sharpening ceramic grain for smooth and fast cutting action
- More comfortable to use with reduced hand fatigue from less cutting vibration
- Longer wheel life means less downtime and waste, fewer wheels needed

ECONOMY

STAINLESS STEEL

MILD STEEL

INDUSTRIAL LINE THIN CUT

DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
115	1,0 x 22,23	A 60 T-BF41	25	66252829282
	1,6 x 22,23	A 46 T-BF41	25	66252833015
125	1,0 x 22,23	A 60 T-BF41	25	66252829285
	1,6 x 22,23	A 46 T-BF41	25	66252833018
150	1,2 x 22,23	A 60 T-BF41	25	66252832962
	1,6 x 22,23	A 46 T-BF41	25	66252832605
180	1,6 x 22,23	A 46 T-BF41	25	66252832606
230	1,9 x 22,23	A 46 T-BF41	25	66252829660



- Thin wheel thickness for a precise cut through steel and inox, reducing burrs
- Sharp aluminium oxide grain and medium bond hardness for a stable cut throughout wheel life

PERFORMANCE

ALUMINIUM

FLEXOVIT INDUSTRIAL LINE

DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
115	1,0 x 22,23	A60Q-BF41	25	66252832590
	1,6 x 22,23	A46Q-BF41	25	66252832919
125	1,0 x 22,23	A60Q-BF41	25	66252832598
	1,6 x 22,23	A46Q-BF41	25	66252951061
180	1,6 x 22,23	A46Q-BF41	25	66252832925
230	1,9 x 22,23	A46Q-BF41	25	66252832924



- Unique grain and bond combination for excellent performance on aluminium
- Special bond and grit for non-ferrous applications
- No clogging, the wheel stays sharp

**OUR BEST-SELLING
FLEXOVIT CUTTING
DISCS NOW COME IN
HANDY TUBS**



FIND OUT MORE www.flexovit.com

GRINDING

PERFORMANCE

STAINLESS STEEL

MILD STEEL

FLEXOVIT MAXX3 LCG CERAMIC TECHNOLOGY

DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
115	3,0 x 22,23	NQ 30 S-BF27	10	66252846612
125	3,0 x 22,23	NQ 30 S-BF27	10	66252846613



- New 3mm grinding wheels are faster, smoother and more precise than their traditional 7mm counterparts in light grinding applications
- The ceramic grain and engineered bond technology mean less vibrations felt through the grinder, and aid precision when grinding in tight spaces or curved areas.
- Reduced thickness also means less risk of scratching or gouging the metal.

PERFORMANCE

STAINLESS STEEL

MILD STEEL

FLEXOVIT MAXX3 CERAMIC TECHNOLOGY

DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
115	7,0 x 22,23	NQ 24 P-BF27	10	66253371494
125	7,0 x 22,23	NQ 24 P-BF27	10	66253371495
150	7,0 x 22,23	NQ 24 P-BF27	10	66253371496
180	7,0 x 22,23	NQ 24 P-BF27	10	66253371497
230	7,0 x 22,23	NQ 24 P-BF27	10	66253371498



- Self sharpening grain technology for high material removal and less grinding time
- More comfortable to use with reduced hand fatigue from less vibration
- Longer wheel life means less downtime and waste, fewer wheels needed
- Offers true savings in grinding processes

NOW AVAILABLE IN HANDY, REUSABLE TUBS.

KEEPS GRINDING WHEELS FRESHER FOR LONGER

FIND OUT MORE www.flexovit.com



PERFORMANCE

STAINLESS STEEL

MILD STEEL

FLEXOVIT MAXX3 COMBO CERAMIC TECHNOLOGY

DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
115	4,2 x 22,23	NQ 24 R-BF27	20	66253371489
125	4,2 x 22,23	NQ 24 R-BF27	20	66253371490
150	4,2 x 22,23	NQ 24 R-BF27	20	66253371491
180	4,2 x 22,23	NQ 24 R-BF27	20	66253371492
230	4,2 x 22,23	NQ 24 R-BF27	20	66253371493



- Rough cut and grind with one wheel
- Improved grinding control ensures precise grinding accuracy
- Ideal for hard to reach areas like corners and grooves
- Smoother feel, reduced fatigue and improved operator comfort
- Boost the amperage on cordless grinders due to lightweight / fast cutting

PERFORMANCE

ALUMINIUM

INDUSTRIAL LINE ALU

DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
115	7,0 x 22,23	A 36 Q-BF27	10	66252829206
125	7,0 x 22,23	A 36 Q-BF27	10	66252833005
150	7,0 x 22,23	A 36 Q-BF27	10	66252832921
180	7,0 x 22,23	A 36 Q-BF27	10	66252829245
230	7,0 x 22,23	A 36 Q-BF27	10	66252832861



- Unique grain and bond combination for excellent performance on aluminium
- This bond system prevents loading and does not glaze during grinding for longer product life

ECONOMY

STAINLESS STEEL

MILD STEEL

INDUSTRIAL LINE GENERAL PURPOSE

DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
100	7,0 x 16,0	A 30 S-BF27	10	66252829182
115	7,0 x 22,23	A 30 S-BF27	10	66252829205
125	7,0 x 22,23	A 30 S-BF27	10	66252829220
150	7,0 x 22,23	A 30 S-BF27	10	66252832558
180	7,0 x 22,23	A 30 S-BF27	10	66252829244
230	7,0 x 22,23	A 30 S-BF27	10	66252833243



- Medium hardness wheel for good grinding performance on steel and inox
- Free of iron, sulphur and chlorine so does not contaminate the workpiece

PRODUCT INDEX

STOCK REMOVAL


PERFORMANCE

STAINLESS STEEL

MILD STEEL

MEGA-LINE PINK

CERAMIC TECHNOLOGY

TYPE	DIA x B (mm)	GRIT	PK QTY	ART NO.
 Fibreglass backed	115x22	40	10	66261150493
		60	10	66261150494
		80	10	66261150495
		120	10	66261150503
	125x22	40	10	66261146402
		60	10	66261146414
		80	10	66261146415
		120	10	66261146417




- Best for fast grinding when used at medium pressure on stainless steel or hard metals
- Fast cut rate in heavy duty applications
- Supersize treatment for reduced heat generation, meaning better part quality and no workpiece burn

PERFORMANCE

STAINLESS STEEL

MILD STEEL

INDUSTRIAL LINE HEAVY DUTY

TYPE	DIA x B (mm)	GRIT	PK QTY	ART NO.
 Fibreglass backed	115x22	40	10	66261162940
		60	10	66261162941
		80	10	69957365266
		40	10	66261162944
	125x22	60	10	66261168639
		80	10	66261168640




- Tough zirconia grain stays sharp even in aggressive applications for long life
- Longer life means more grinding with one disc, reducing overall abrasive cost
- Strong polycotton backing supports demanding applications

PERFORMANCE

MILD STEEL

ALUMINIUM

INDUSTRIAL LINE PREMIUM

TYPE	DIA x B (mm)	GRIT	PK QTY	ART NO.
 Fibreglass backed	115x22	40	10	63642534630
		60	10	63642517978
		80	10	63642517979
	125x22	120	10	63642517980
		40	10	63642517981
		60	10	63642519304
	180x22	80	10	63642517982
		120	10	63642517983
		40	10	63642517984
	180x22	60	10	63642519305
		80	10	63642517985




- Self sharpening zirconia grain for consistent cut rate throughout disc life
- Cotton cloth backing supports wear to expose new grain under low to medium pressure
- High performance vs. price on steel and inox
- Grain and backing combination make a versatile disc for all rough grinding jobs

ECONOMY

MILD STEEL

ALUMINIUM

INDUSTRIAL LINE STEEL

TYPE	DIA x B (mm)	GRIT	PK QTY	ART NO.
 Fibreglass backed	115x22	40	10	63642521034
		60	10	63642521035
		80	10	63642521036
	125x22	120	10	63642521037
		40	10	63642521038
		60	10	63642521039
	180x22	80	10	63642521040
		120	10	63642521041
		40	10	63642521042
	180x22	60	10	63642521043
		80	10	63642521044



- Aluminium oxide grain for fast initial cut
- Cotton cloth backing supports wear rate to expose new grain
- Durable disc for rough grinding and deburring

STOCK REMOVAL

PERFORMANCE

STAINLESS STEEL

MILD STEEL

MEGA-LINE FX777

CERAMIC TECHNOLOGY

DIA x H (mm)	GRIT	PK QTY	ART NO.
115x22	36	25	66254493915
	50	25	66254493916
	60	25	66254493917
	80	25	66254493918
125x22	36	25	66254493919
	50	25	66254493920
	60	25	66254493921
	80	25	66254493922
180x22	36	25	66254493923
	50	25	66254493924
	60	25	66254493925
	80	25	66254493926



- Premium sharp ceramic grain for fast, aggressive cut
- 0.8mm thick fibre backing supports aggressive applications
- Supersize treatment reduces thermal damage on heat sensitive materials

PERFORMANCE

STAINLESS STEEL

MILD STEEL

ALUMINIUM

INDUSTRIAL LINE FX672

DIA x H (mm)	GRIT	PK QTY	ART NO.
115x22	24	25	63642585560
	36	25	63642585564
	50	25	63642585567
	60	25	63642585569
	80	25	63642585570
125x22	120	25	63642585572
	24	25	63642585574
	36	25	63642585575
	50	25	63642585581
	60	25	63642585582
180x22	80	25	63642585583
	120	25	63642585585
	24	25	63642585586
	36	25	63642585587
180x22	50	25	63642585589
	60	25	63642585590
	80	25	63642585591
	120	25	63642585594



- Sharp zirconia grain for high cut rate when used under medium pressure
- 0.8mm thick fibre backing supports strong metal removal in heavy duty applications
- Excellent price vs. performance ratio on steel and inox

ECONOMY

MILD STEEL

ALUMINIUM

SPEEDOFLEX FX170

DIA x H (mm)	GRIT	PK QTY	ART NO.
115x22	16	25	66623391839
	24	25	66623391751
	36	25	66623391670
	40	25	66623391843
	60	25	66623391753
	80	25	66623391754
125x22	100	25	66623391755
	120	25	66623391756
	16	25	66623391844
	24	25	66623391757
	36	25	66623391758
	40	25	66623391847
180x22	60	25	66623391760
	80	25	66623391761
	100	25	66623391762
	120	25	66623391763
	16	25	66623391856
	24	25	66623391771
180x22	36	25	66623391772
	40	25	66623391858
	60	25	66623391774
	80	25	66623391775
	100	25	66623391776
	120	25	66623391777



- Tough aluminium oxide grain provides consistent cutting performance
- Ideal for general purpose applications where price takes precedence over performance

PRODUCT INDEX

STOCK REMOVAL

NYLON FIBREGLASS REINFORCED BACK UP PADS

DIA (mm)	THREAD	DENSITY	MAX. RPM	PK QTY	ART NO.
115	M14	Rigid	13300	5	66623376727
125	M14	Rigid	12200	5	66623376821
180	M14	Rigid	8500	5	66623376822



- The curved ribs keep the pad and the abrasive cooler while retaining a level of flexibility across the pad.
- For tougher grinding operations
- Grits 16+ and finer

NYLON BACK-UP PADS

DIA (mm)	THREAD	DENSITY	MAX. RPM	PK QTY	ART NO.
115	M14	Hard	13300	1	69957382818
	M14	Medium	13300	5	69957382815
125	M14	Hard	12200	1	69957382819
	M14	Medium	12200	5	69957382816
180	M14	Hard	8500	1	69957382820
	M14	Medium	8500	5	69957382817



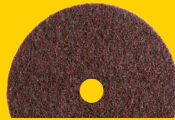
- For universal use
- Select medium density for use on curved surfaces and edges, or when using grits 80 and finer
- The flat surface provides a uniform finish

BLENDING & REFINING

PERFORMANCE **STAINLESS STEEL** MILD STEEL ALUMINIUM

INDUSTRIAL LINE SURFACE BLENDING DISCS

DIA (mm)	CAP CODE	GRADE	COLOUR	PK QTY	ART NO.
115	S2103	Extra Coarse	Black	20	69957310720
	S2203	Coarse	Tan	20	69957310757
	S2303	Medium	Red	20	69957310758
	S2403	Fine	Green	20	69957310759
	S2503	Very Fine	Blue	20	69957310794
125	S2103	Extra Coarse	Black	20	69957310760
	S2203	Coarse	Tan	20	69957310795
	S2303	Medium	Red	20	69957310796
	S2403	Fine	Green	20	69957310797
	S2503	Very Fine	Blue	20	69957310798



- Tough yet versatile for surface preparation and cleaning jobs
- Combines the cutting speed of coarse grits with the finish of fine grits
- Open weave construction provides consistent cutting action throughout the disc life
- Hook and loop backing with removable 22mm centre hole.

PERFORMANCE **STAINLESS STEEL** MILD STEEL ALUMINIUM

SPEEDOFLEX SURFACE BLENDING FLAP DISCS

DIA (mm)	CAP CODE	GRADE	COLOUR	MAX. RPM	PK QTY	ART NO.
115	S2208	Coarse	Tan	12200	20	69957310421
	S2308	Medium	Red	12200	20	69957310427
	S2408	Fine	Green	12200	20	69957310501
	S2508	Very Fine	Blue	12200	20	69957310504
	S2208	Coarse	Tan	12200	20	69957310506
125	S2308	Coarse	Red	12200	20	69957310507
	S2408	Medium	Green	12200	20	69957310508
	S2508	Very Fine	Blue	12200	20	69957310512



- Quick, durable blending and finishing tool
- Longer life and durability with smear free cut & finish in one action
- The flaps make this range an upgrade from traditional hook & loop surface blending discs retaining same multi grade benefits.

PERFORMANCE **STAINLESS STEEL** MILD STEEL ALUMINIUM

MEGA-LINE FLEXFINISH

DIA x H (mm)	CAP CODE	MAX RPM	GRADE	PK QTY	ART NO.
115x22	U2305	12000	Medium	10	66623396391
125x22	U2305	12000	Medium	10	63642547412

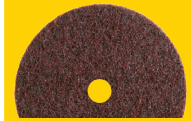


- Engineered grain technology provides multiple uses in one disc, from stock removal to finishing, reducing the need for multiple abrasive products
- Increased life thanks to the dense fibre and tightly packed grain, meaning less down time, and faster part throughput

PERFORMANCE **STAINLESS STEEL** MILD STEEL ALUMINIUM

SURFACE BLENDING DISCS

DIA (mm)	CAP CODE	GRADE	COLOUR	PK QTY	ART NO.
115 (x 22)	S2108	Extra Coarse	Black	20	63642558451
	S2211	Coarse FB*	Brown	20	63642558452
	S2208	Coarse	Tan	20	63642558453
	S2308	Medium	Red	20	63642586051
	S2408	Fine	Green	20	77696068722
125 (x 22)	S2508	Very Fine	Blue	20	63642586055
	S2108	Extra Coarse	Black	20	63642586061
	S2211	Coarse FB*	Brown	20	63642586064
	S2208	Coarse	Tan	20	63642586066
	S2308	Medium	Red	20	63642586072
178 (x 22)	S2408	Fine	Green	20	77696068721
	S2508	Very Fine	Blue	20	63642586075
	S2108	Extra Coarse	Black	10	63642586080
	S2211	Coarse FB*	Brown	10	63642586083
	S2208	Coarse	Tan	10	63642586087
	S2308	Medium	Red	10	63642586089
	S2408	Fine	Green	10	77696068723
	S2508	Very Fine	Blue	10	63642586092



- Aluminium oxide grain is tough yet versatile for excellent results in surface preparation and cleaning
- General purpose product for blending, finishing, cleaning and light deburring
- Hook and loop backing with removable 22mm centre hole.

FB* = Fibre backed for stiffer, higher performance

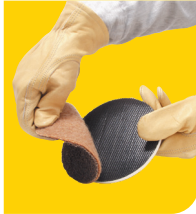
PRODUCT INDEX

BLENDING & REFINING

ECONOMY

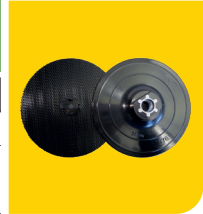
BACK-UP PADS FOR SURFACE BLENDING RAPID PREP DISCS (SELF-GRIP)

DIA (mm)	DENSITY	THREAD	PK QTY	ART NO.
115	Medium	M14	1	69957382846
125	Medium	M14	1	69957382841
178	Medium	M14	1	69957382844



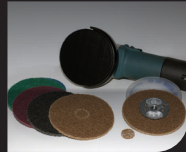
BACK-UP PADS (SELF-GRIP) WITH LOCATING CENTRE PIN

DIA (mm)	DENSITY	THREAD	PK QTY	ART NO.
115	Medium	M14	1	77696076935
125	Medium	M14	1	77696076941



NOTE:

Surface Blending discs come with removeable centre to allow mounting on both types of back-up pads.



DEBURRING

PERFORMANCE STAINLESS STEEL MILD STEEL ALUMINIUM

INDUSTRIAL LINE SURFACE BLENDING DISCS

DIA (mm)	CAP CODE	GRADE	COLOUR	PK QTY	ART NO.
115	S2103	Extra Coarse	Black	20	69957310720
	S2203	Coarse	Tan	20	69957310757
	S2303	Medium	Red	20	69957310758
	S2403	Fine	Green	20	69957310759
	S2503	Very Fine	Blue	20	69957310794
125	S2103	Extra Coarse	Black	20	69957310760
	S2203	Coarse	Tan	20	69957310795
	S2303	Medium	Red	20	69957310796
	S2403	Fine	Green	20	69957310797
	S2503	Very Fine	Blue	20	69957310798



- Tough yet versatile for surface preparation and cleaning jobs
- Combines the cutting speed of coarse grits with the finish of fine grits
- Open weave construction provides consistent cutting action throughout the disc life

BACK-UP PADS (SELF-GRIP) WITH LOCATING CENTRE PIN

DIA (mm)	DENSITY	THREAD	PK QTY	ART NO.
115	Medium	M14	1	77696076935
125	Medium	M14	1	77696076941



NOTE:

Surface Blending discs come with removeable centre to allow mounting on both types of back-up pads.



PERFORMANCE STAINLESS STEEL MILD STEEL ALUMINIUM

MEGA-LINE FLEXIFINISH

DIA x H (mm)	CAP CODE	MAX RPM	GRADE	PK QTY	ART NO.
115x22	U2305	12000	Medium	10	66623396391
125x22	U2305	12000	Medium	10	63642547412



- Engineered grain technology provides multiple uses in one disc, from stock removal to finishing, reducing the need for multiple abrasive products
- increased life thanks to the dense fibre and tightly packed grain, meaning less down time, and faster part throughput

BACK-UP PADS FOR SURFACE BLENDING DISCS (SELF-GRIP)

DIA (mm)	DENSITY	THREAD	PK QTY	ART NO.
115	Medium	M14	1	69957382846
	Medium	5/8	1	63642595937
125	Medium	M14	1	69957382841
	Medium	5/8	1	63642595938
178	Medium	M14	1	69957382844
	Medium	5/8	1	63642595940



PRODUCT INDEX

SURFACE PREPARATION & CLEANING

PERFORMANCE

STAINLESS STEEL

MILD STEEL

MEGA-LINE FLEXCLEAN

DIA (mm)	CAP CODE	TYPE	MAX. RPM	PK QTY	ART NO.
115 x 22	R9101	Type 27	12000	10	66623396063
125 x 22	R9101	Type 27	11000	10	63642547410
178 x 22	R9101	Type 27	8000	10	69957309826



- Depressed centre T27
- High performance ceramic grain for 2x faster cut & longer life
- Surface condition, strip and clean with one disc
- Extremely versatile using hard or soft pressure

PERFORMANCE

STAINLESS STEEL

MILD STEEL

SPEEDOFLEX KX31 PLUS

DIAxWxTH (mm)	GRIT	PK QTY	ART NO.	RECOMMENDED SPEED (RPM)
115x20 M14	40	5	66261121437	6700-8300
	60	5	66261121438	
	80	5	66261121439	
125x20 M14	40	5	66261121440	6000-7700
	60	5	66261121451	
	80	5	66261121452	
	120	5	66261121453	



- Cut cooler and smoother, versatile and long lasting aluminium oxide blend
- Excellent cut rate in low pressure finishing operations
- Provides a perfect linear finish for repair jobs
- Quick and easy to mount on an angle grinder

ECONOMY

STAINLESS STEEL

MILD STEEL

ALUMINIUM

SPEEDOFLEX FLEXCLEAN

DIA x B (mm)	CAP CODE	PK QTY	MAX. RPM	TYPE	ART NO.
115 x 22	R4101	10	11000		63642586224
125 x 22	R4101	10	9800	Type 27/ Fiberglass	63642586225
178 x 22	R4101	10	6500		63642586226



- Depressed centre T27
- Constructed with thick, strong, synthetic fibres and extra-coarse silicon carbide abrasive
- Open web construction provides fast cutting action

FINISHING

PERFORMANCE STAINLESS STEEL MILD STEEL ALUMINIUM

SPEEDOFLEX FLEXFINISH

DIA (mm)	CAP CODE	GRADE	MAX. RPM	PK QTY	ART NO.
115 x 22	U4401	Fine	12000	10	66254492400
125 x 22	U4401	Fine	11000	10	77696066957



- Fine silicon carbide imparts a high quality, shiny surface finish
- Ideal choice for finishing prior to polishing and paint preparation

PERFORMANCE STAINLESS STEEL MILD STEEL ALUMINIUM

INDUSTRIAL LINE SURFACE BLENDING DISCS

DIA (mm)	CAP CODE	GRADE	COLOUR	PK QTY	ART NO.
115	S2103	Extra Coarse	Black	20	69957310720
	S2203	Coarse	Tan	20	69957310757
	S2303	Medium	Red	20	69957310758
	S2403	Fine	Green	20	69957310759
125	S2503	Very Fine	Blue	20	69957310794
	S2103	Extra Coarse	Black	20	69957310760
	S2203	Coarse	Tan	20	69957310795
	S2303	Medium	Red	20	69957310796
	S2403	Fine	Green	20	69957310797
	S2503	Very Fine	Blue	20	69957310798



- Tough yet versatile for surface preparation and cleaning jobs
- Combines the cutting speed of coarse grits with the finish of fine grits
- Open weave construction provides consistent cutting action throughout the disc life
- Hook and loop backing with removable 22mm centre hole

BACK-UP PADS (SELF-GRIP) WITH LOCATING CENTRE PIN

DIA (mm)	DENSITY	THREAD	PK QTY	ART NO.
115	Medium	M14	1	77696076935
125	Medium	M14	1	77696076941



BACK-UP PADS FOR SURFACE BLENDING DISCS (SELF-GRIP)

DIA (mm)	DENSITY	THREAD	PK QTY	ART NO.
115	Medium	M14	1	69957382846
	Medium	5/8		63642595937
125	Medium	M14	1	69957382841
	Medium	5/8		63642595938
178	Medium	M14		69957382844
	Medium	5/8	1	63642595940



NOTE:

Surface Blending discs come with removeable centre to allow mounting on both types of back-up pads.



PRODUCT INDEX

POLISHING

PERFORMANCE STAINLESS STEEL MILD STEEL ALUMINIUM

INDUSTRIAL LINE FLEXPOLISH

DIA x B (mm)	CAP CODE	GRADE	PK QTY	ART NO.
115 x 22	F0005	Felt	10	66261113019
125 x 22	F0005	Felt	10	66261113023



- Type T29 made with felt wool fixed to a fibreglass plate to create a polishing pad
- Use with a polishing compound or paste to achieve a mirror finish

PERFORMANCE STAINLESS STEEL MILD STEEL ALUMINIUM

INDUSTRIAL POLISHING BLOCK

COLOUR	APPLICATION	PK QTY	ART NO.
Brown	Cleaning very dirty material	1	7660739107
Green	High gloss finish	1	7660739108
White	Polishing stainless steel and aluminium	1	7660739109
Pink	Polishing copper	1	7660739111
Blue	Polishing brass	1	7660739112



- Solid polishing compounds prevent the material from loading
- Supports cool cutting

SAFETY ADVICE

PERSONAL PROTECTION

Safety goggles, ear defenders, safety gloves, dust masks and, if conditions are severe, additional face protection. Leather aprons and safety shoes must be worn.



Mouth Protection



Wear Gloves



Eye Protection



Ear Protection



Read Instructions

DO'S

✓	Always handle & store wheels carefully. Cutting-off wheels should be stacked horizontally & flat, preferably on a steel base plate. Depressed centre wheels should be placed on top of each other or stored in the original packaging
✓	Always visually inspect all wheels before mounting for possible damage in transit
✓	Always use a safety guard & ensure that it is correctly positioned & securely fitted. It should cover at least one half of the wheel & protect the operator in the unlikely event of a wheel breakage. NON-REINFORCED CUTTING DISCS SHOULD ONLY BE USED ON FIXED MACHINES & SHOULD BE CORRECTLY GUARDED.
✓	Always switch 'OFF' the power at supply source &/or remove the plug from the socket before changing the wheel
✓	Always ensure that the spindle speed of the machine does not exceed the operating speed marked on the wheel
✓	Always use the correct wheel mounting flanges & ensure that they are undamaged, clean & free from burrs
✓	SEE EN 12413
✓	Always wear EYE PROTECTION
✓	Always wear appropriate safety clothing such as DUST MASK, GLOVES, EAR PROTECTION, OVERALLS & SAFETY SHOES
✓	Always have machine speeds checked regularly, especially after maintenance or repair. Machines fitted with speed control devices (Governors), must be properly maintained at all times
✓	Check tension of driving belts, where fitted, on a regular basis. Belts must be kept tight to ensure full power transmission.
✓	Always secure the workpiece firmly while it is being cut or ground
✓	Put portable machines in suitable cradles, when not being used, to avoid damage to the wheel
✓	Always use a portable machine in a comfortable position, where the workpiece is well balanced & the machine is well supported
✓	Grind at an angle above 30 degrees to the workpiece with a depressed centre grinding wheel
✓	Keep the working area around cutting & grinding operations clear. It is very dangerous if an operator trips & falls with an operating machine in their hands

DONT'S

✗	Handle wheels roughly
✗	Use non-reinforced cutting-off wheels on portable machines
✗	Store wheels in a damp atmosphere or in extreme temperatures
✗	Mount a damaged wheel
✗	Tighten the mounting nut or locking flange excessively. To do so can distort the flanges
✗	Force a wheel onto a machine spindle
✗	Use mounting flanges which are incorrect, damaged, dirty or burred
✗	Use blotters with depressed centre wheels less than or equal to 406mm (EN 12413)
✗	Use a machine which is not in good mechanical condition
✗	Use a machine without a wheel guard
✗	Use wheels without proper ventilation or dust protection equipment
✗	Apply side pressure to cutting-off wheels. You should not bend the wheel
✗	Stop the wheel by applying pressure to the periphery or face. Always switch the machine off & allow the wheel to stop revolving
✗	Apply excessive pressure onto the wheel so that the driving motor slows down
✗	Grind on the side of cutting-off wheels or depressed centre wheels below 4.0mm thickness
✗	Drop or lower a portable machine by the cable or airline onto the floor. A wheel can be easily cracked, if it is put down hard, by the weight of the machine. This is a common cause of wheel breakage
✗	Grind with a depressed centre grinding wheel at an angle below 30 degrees to the workpiece
✗	Use a machine in a position where you do not have full control of the machine & you are not well balanced

PERFORMANCE SOLUTIONS FOR RIGHT ANGLE GRINDERS

1



CUTTING

Discs for correct dimensioning.

2



GRINDING

Weld and burr removal.

3



STOCK REMOVAL

Flap discs for heavy weld seam and excess material removal.

Fibre discs for excess material removal from both flat and contoured surfaces.

4



BLENDING & REFINING

Impart a uniform finish.

5



DEBURRING

Removing burrs, radiusing and breaking sharp edges.

6



SURFACE PREP & CLEANING

Remove dirt, rust or corrosion and prepare surface prior to coating or welding.

7



FINISHING

Reduce surface roughness, apply a cosmetic finish, prepare for polishing.

8



POLISHING

Final step to provide a high gloss finish.

IN THE METAL FABRICATION MARKET





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