

flex vit

Mega-LINE

HIGH PERFORMANCE INDUSTRIAL PRODUCTS FOR EXCELLENT RESULTS

CUTTING DISCS & GRINDING WHEELS

COATED ABRASIVES

CARBIDE BURRS



INDUSTRIAL PERFORMANCE ABRASIVES



Flexovit offers a complete collection of high performance coated abrasives, cutting discs & grinding wheels for all industrial applications

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MegaLINE

CUTTING DISCS & GRINDING WHEELS

COATED ABRASIVES

CARBIDE BURRS



A STRONG BRAND HERITAGE

CLEARLY SEGMENTED QUALITY TIERS

A structured offering of quality and performance with clearly defined 'good', 'better' and 'best' solutions for all industrial applications represented by clearly distinguished sub-brands.



BEST

MAXX3 and Mega-Line are the ultimate high performance industrial products for excellent results in very demanding applications.



GOOD

Lower cost product solutions with a standard performance level for general applications.



BETTER

'Industrial Line' provides professional quality and for challenging applications.

FLEXOVIT SOLUTIONS

FOR RIGHT ANGLE GRINDERS IN THE METAL FABRICATION MARKET



PRODUCT SELECTION GUIDE

FOR ANGLE GRINDERS

CUTTING DISCS FOR ANGLE GRINDERS



1. CUTTING



MATERIALS	ZA 46/60 Y MEGA-LINE MAXX	A 60 V MEGA-LINE	A 24 V MEGA-LINE	A 46/60 W MEGA-LINE	A 30 W MEGA-LINE	ZA 60 Y MEGA-LINE MAXX
Steel, construction steel	●	●	●	●	●	●
Low-alloy steel	●	●	●	●	●	●
High-alloy steel	●	●	●	●	●	●
Thin sheets, plates profiles	●	●	●	●	●	●
Stainless steel, inox	●	●	●	●	●	●
Cast iron					●	
Non-ferrous		●				
Titanium		●				

Highly recommended ●
Recommended ●



MEGA-LINE ●●●●

Flexovit Mega-Line is designed to meet the demands of the most demanding users. Mega-Line works fast and has long life, meaning you need fewer wheels for one job, saving time and money.

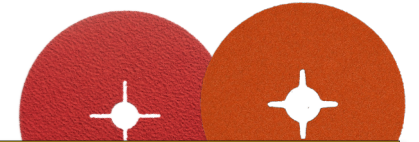
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FIBRE DISCS FOR ANGLE GRINDERS



2. HEAVY DUTY GRINDING

PAGE 9



MATERIALS	MEGA-LINE FX777	MEGA-LINE FX888
Stainless steel, inox & duplex	BEST ●●●●●	BEST ●●●●●
Titanium, inconel & super alloys	●	-
Carbon, construction & mild steel	-	●
Cast iron	●	●

FLAP DISCS FOR ANGLE GRINDERS



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MATERIALS	MEGA-LINE PINK	MEGA-LINE MAXX3	MEGA-LINE BLUE
Stainless steel, inox & duplex	●	●	●
Titanium, inconel & super alloys	●	●	●
Carbon, construction & mild steel	●	●	●
Cast iron	-	-	-
Non-ferrous metal (brass/aluminium)	-	-	-
Wood	-	-	-

GRINDING WHEELS FOR ANGLE GRINDERS



2. HEAVY DUTY GRINDING



MATERIALS	ZA 24 Q MEGA-LINE MAXX	A 30 W MEGA-LINE	A 30 Q MEGA-LINE	A 30 P MEGA-LINE
Steel, construction steel	●	●	●	●
Low-alloy steel	●	●	●	●
High-alloy steel	●	●	●	●
Thin sheets, plates profiles		●		
Stainless steel, inox	●	●	●	●
Rail				●
Cast iron	●	●	●	●
Titanium	●			



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NON-WOVEN DISCS FOR ANGLE GRINDERS



3. STOCK REMOVAL

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MATERIALS	MEGA-LINE FLEXCLEAN	MEGA-LINE FLEXFINISH
APPLICATION STEPS	BEST ●●●●●	BEST ●●●●●
Scale removal	●	-
Stock removal	●	●
Heavy deburring	●	●
Light deburring	-	●
Light finishing	-	●
Blending	-	-
Finishing	-	-
Polishing	-	-

CUTTING DISCS FOR ANGLE GRINDERS

CUTTING – BF 42



MEGA-LINE MAXX



DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
115	0,8 x 22,23	ZA 60 Y-BF42	25	66252840226
125	0,8 x 22,23	ZA 60 Y-BF42	25	66252840227

- Super thin 0,8mm wheels for a precise cut on metal below 2mm thick
- Sharp zirconia grain and 0,8mm thickness reduces material loss and sparks, retaining workpiece integrity
- Free of iron, sulphur and chlorine so does not contaminate the workpiece

CUTTING – BF 41



MEGA-LINE INOX



DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
115	1,0 x 22,23	A 60 V-BF41 INOX	25	66252832594
	1,6 x 22,23	A 46 V-BF41 INOX	25	66252832920
125	1,0 x 22,23	A 60 V-BF41 INOX	25	66252832599
	1,6 x 22,23	A 46 V-BF41 INOX	25	66252919145
180	1,6 x 22,23	A 36 V-BF41 INOX	25	66252832607
230	1,9 x 22,23	A 36 V-BF41 INOX	25	66252832923

- Best suitable for Stainless Steel/Inox, also suitable on Steel
- Hard grade wheel for good cut rate on stainless steel/inox, helps increase productivity
- Sharp aluminium oxide grain and reinforced resin bond gives a very stable and comfortable cut
- Free of iron, sulphur and chlorine so does not contaminate the workpiece

MEGA-LINE



DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
115	1,0 x 22,23	A 60 W-BF41	25	66252832592
125	1,0 x 22,23	A 60 W-BF41	25	66252833017
	1,6 x 22,23	A 46 W-BF41	25	66252833019
	2,0 x 22,23	A 30 W-BF41	25	66252950809
	2,5 x 22,23	A 30 W-BF41	25	66252920009
230	2,5 x 22,23	A 30 W-BF41	25	66252920066
	3,0 x 22,23	A 30 W-BF41	25	66252920074
	2,0 x 22,23	A 30 W-BF41	25	66243451721



- Aluminium oxide grain for two to three times more cuts through steel than conventional wheels
- Hard grade hardness provides good wheel life
- Best suitable for Steel

MEGA-LINE INOX



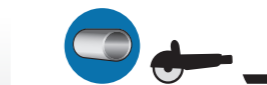
DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
115	2,0 x 22,23	A 24 V-BF41 INOX	25	66252919380
125	2,0 x 22,23	A 24 V-BF41 INOX	25	66252919381
180	2,0 x 22,23	A 24 V-BF41 INOX	25	66252919382
230	2,0 x 22,23	A 24 V-BF41 INOX	25	66252919383
125	2,5 x 22,23	A 24 V-BF41 INOX	25	66252920007
150	2,5 x 22,23	A 24 V-BF41 INOX	25	66252920023
180	2,5 x 22,23	A 24 V-BF41 INOX	25	66252920042
	3,0 x 22,23	A 24 V-BF41 INOX	25	66252920050
230	2,5 x 22,23	A 24 V-BF41 INOX	25	66252920065
	3,0 x 22,23	A 24 V-BF41 INOX	25	66252919221

- Hard grade wheel for long life on stainless steel/inox
- Thicker wheel gives more stability and control when cutting
- Coarse grit wheels for use with medium to heavy pressure
- Free of iron, sulphur and chlorine so does not contaminate the workpiece
- For rough and demanding operations

CUTTING – BF 42



MEGA-LINE INOX



DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
115	2,5 x 22,23	A 24 V-BF42 INOX	25	66252919154
125	2,5 x 22,23	A 24 V-BF42 INOX	25	66252919657
	3,0 x 22,23	A 24 V-BF42 INOX	25	66252919659
230	2,5 x 22,23	A 24 V-BF42 INOX	25	66252919702
	3,0 x 22,23	A 24 V-BF42 INOX	25	66252829578

- Coarse aluminium oxide grain provides fast material removal rate
- Hard wheel grade for long product life
- Free of iron, sulphur and chlorine so does not contaminate the workpiece

MEGA-LINE



DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
115	2,5 x 22,23	A 30 W-BF42	25	66252919155
125	3,0 x 22,23	A 30 W-BF42	25	66252919660
230	3,0 x 22,23	A 30 W-BF42	25	66252832569

- Hard wheel grade for long life when cutting hard metal
- Wheel is designed for use on powerful machines for heavy duty cutting

GRINDING WHEELS FOR ANGLE GRINDERS



MEGA-LINE



DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
115	7,0 x 22,23	A 30 W-BF27	10	66252919149
125	7,0 x 22,23	A 30 W-BF27	10	66252919150
180	7,0 x 22,23	A 30 W-BF27	10	66252919151
230	7,0 x 22,23	A 30 W-BF27	10	66252919153

- Aluminium oxide grain for grinding high tensile materials like steel
- Hard grade wheel for long life in tough applications on powerful machines
- Ideal for removing sharp edges from steel



MEGA-LINE INOX



DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
115	7,0 x 22,23	A 30 Q-BF27 INOX	10	66252919148
125	7,0 x 22,23	A 30 Q-BF27 INOX	10	66252833006
150	7,0 x 22,23	A 30 Q-BF27 INOX	10	66252919673
180	7,0 x 22,23	A 30 Q-BF27 INOX	10	66252833013

- Sharp aluminium oxide grain removes material quickly during use
- Medium hardness grade provides greater wheel life and less vibrations for more comfortable use



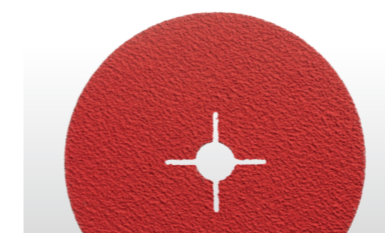
MEGA-LINE



DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
180	7,0 x 22,23	A 30 P-BF27 HP	10	66252829243
230	7,0 x 22,23	A 30 P-BF27 HP	10	66252829272

- Soft grade hardness for fast grinding on steel and stainless steel/inox
- Free of iron, sulphur & chlorine so does not contaminate the workpiece

FIBRE DISCS FOR ANGLE GRINDERS



MEGA-LINE FX777



DIM DxB (mm)	GRIT	PK QTY	ART NO.
115 x 22	36	25	66254493915
	50	25	66254493916
	60	25	66254493917
125 x 22	80	25	66254493918
	36	25	66254493919
	50	25	66254493920
180 x 22	60	25	66254493921
	80	25	66254493922
	36	25	66254493923
180 x 22	50	25	66254493924
	60	25	66254493925
	80	25	66254493926

- Premium, sharp hipal ceramic grain for fast and aggressive cut rate
- 0,8mm thick fibre backing provides durability and supports strong metal removal on heavy duty applications
- Supersize treatment reduces thermal build up on heat sensitive materials like stainless steel



MEGA-LINE BLUE FX888



DIM DxB (mm)	GRIT	PK QTY	ART NO.
115 x 22	36	25	78072749571
	50	25	78072749590
	60	25	78072749591
	80	25	78072749592
125 x 22	36	25	78072749593
	50	25	78072749597
	60	25	78072749599
180 x 22	80	25	78072749600
	36	25	78072749601
	50	25	78072749602
180 x 22	60	25	78072749603
	80	25	78072749604
	80	25	78072749605



Subject to errors in printing and typesetting

FLAP DISCS FOR ANGLE GRINDERS



MEGA-LINE MAXX3



DIM DxB (mm)	GRIT	PK QTY	ART NO.
125 x 22	40	10	66261086960
	60	10	66261086961

- Extremely aggressive ceramic grain for noticeably faster cut rate
- Strong polyester backing for demanding work on edges
- For cool grinding of stainless steel, inconels, chromium cobalt, titanium or other hard-to-grind material
- Suitable for high pressure applications on high power angle grinders



MEGA LINE BLUE R860



DIM DxB (mm)	GRIT	PK QTY	ART NO.
115 x 22	40	10	78072747900
	60	10	78072747908
	80	10	78072747910
	120	10	78072747911
125 x 22	40	10	78072747912
	60	10	78072747914
	80	10	78072747925
125 x 22	120	10	78072747927
	40	10	78072747978
	60	10	78072747979
150x22	40	10	78072747983
	60	10	78072747984
	80	10	78072748019
180x22	60	10	78072747980

- Sharp zirconia grain for a faster cut from the very beginning
- Tough polyester backing for excellent product life and more material removal with one disc
- Ideal on medium to high pressure applications on carbon steel and hard metals

NON-WOVEN DISCS FOR ANGLE GRINDERS



MEGA-LINE FLEXCLEAN



DIM DxB (mm)	GRADE	COLOUR	CAP CODE	PK QTY	RPM	ART NO.
115 x 12 x 22	EX coarse	Orange	R9101	10	12000	66623396063
125 x 12 x 22	EX coarse	Orange	R9101	10	12000	63642547410

- Extra coarse ceramic grain makes light work of removing rust, residue, weld splatter, and scale
- Open web construction for long disc life, up to twice as long as similar competitor discs
- Open nature of the web prevents gouging, snagging or shedding, even under high pressure



MEGA-LINE FLEXFINISH



DIM DxB (mm)	GRADE	COLOUR	CAP CODE	PK QTY	RPM	ART NO.
115 x 12 x 22	Medium	Blue	U2305	10	12000	66623396391
125 x 12 x 22	Medium	Blue	U2305	10	12000	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 fiber and tightly packed grain, meaning less down time, and faster part throughput




NEW MEGA-LINE CUT

Blue stripes help to identify Mega Line cut. It keeps cutting after black colour is gone, teeth are there and last longer

MEGA-LINE CUT ○○○○○

- 40% faster stock removal than standard DC
- 40% longer life than standard DC
- Bright & smooth finishing
- Very competitive price

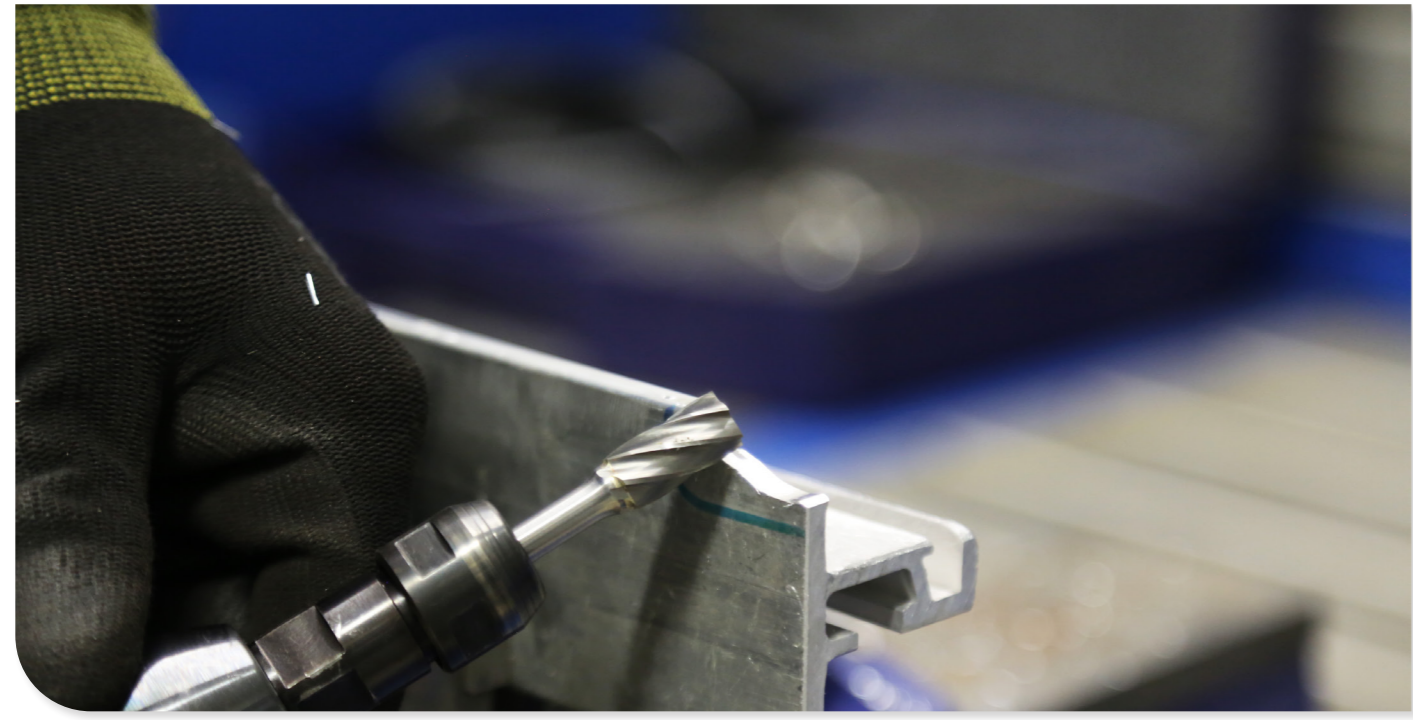
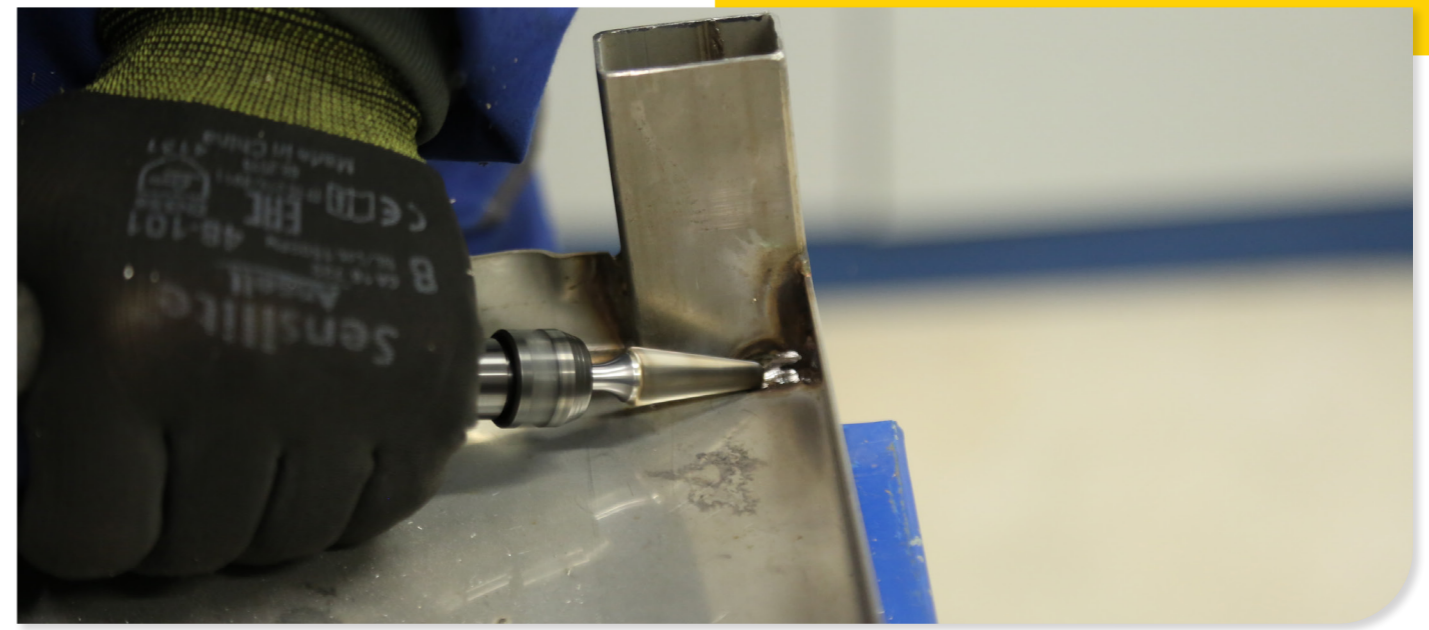
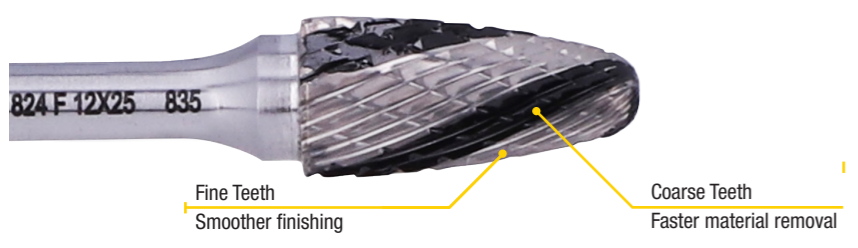
Black stripes help identify Mega-Line Cut. The burr continues to cut even after the black paint is gone; the teeth are still there and will work for a long time.


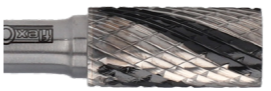



MATERIALS	MEGA-LINE CUT
	ML ○○○○○
Steel <40HRc, carbon steel, non-alloy steel	*****
Steel (40-60HRc), alloyed steel	*****
Stainless steel	*****
Cast iron	*****
Nickel alloys, cobalt alloys	*****
Soft aluminium, aluminium alloys, brass, copper, zinc	
Bronze, titanium, titanium alloys, very hard aluminium alloys	****
Plastic / wood	

NEW! MEGA-LINE CUT






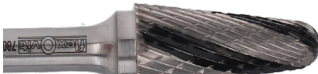
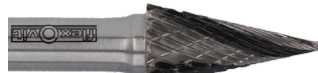
- The unique tooth geometry provides faster stock removal, longer life and better surface finish than double cut carbide burrs
- The black stripes are for quick product identification only. When the paint is gone, the carbide burr continues to cut



PRODUCT SHAPE	D ₁ x L ₁ x D ₂ x L ₂ (mm)	PK QTY	NEW! ML CUT
			ML ○○○○○
SHAPE A: CYLINDER			
	6 x 25 x 6 x 50	1	78072753430
	12 x 25 x 8 x 70	1	78072753951
SHAPE B: CYLINDER WITH END CUT			
	12 x 25 x 8 x 70	1	78072754383
SHAPE C: BALL NOSED CYLINDER			
	12 x 25 x 6 x 70	1	78072751819
	12 x 25 x 8 x 70	1	78072753956

Subject to errors in printing and typesetting

BURRS FOR STRAIGHT SHAFT MACHINES

PRODUCT SHAPE	D ₁ x L ₁ x D ₂ x L ₂ (mm)	PK QTY	NEW! ML CUT ML ●●●●
SHAPE D: BALL			
	8 x 7 x 6 x 52	1	78072753957
	10 x 9 x 6 x 53	1	78072753967
	12 x 11 x 6 x 54	1	78072753969
	16 x 14 x 6 x 59	1	78072753968
SHAPE E: OVAL			
	12 x 20 x 6 x 65	1	78072753973
SHAPE F: BALL NOSED TREE			
	6 x 16 x 6 x 50	1	78072753976
	12 x 25 x 6 x 70	1	78072751824
	12 x 25 x 8 x 70	1	78072751823
SHAPE G: TREE			
	12 x 25 x 6 x 70	1	78072751825
	12 x 25 x 8 x 70	1	78072752402
SHAPE H: FLAME			
	8 x 19 x 6 x 64	1	78072753981
	12 x 32 x 6 x 77	1	78072753987
	16 x 36 x 6 x 81	1	78072753991
SHAPE L: BALL NOSED CONE			
	16 x 30 x 6 x 75	1	78072754385
	16 x 33 x 8 x 78	1	78072753992
SHAPE M: CONE			
	12 x 22 x 6 x 70	1	78072753993
	12,7 x 25 x 8 x 70	1	78072753998
	12 x 25 x 6 x 70	1	78072753997

PRODUCT	SHAPE	D ₁ x L ₁ x D ₂ x L ₂ (mm)	PK QTY	NEW! ML CUT ●●●●
BURRS KIT X10 DOUBLE CUT - DC				
	A	12 x 25 x 6 x 70	1	78072767845
	C	12 x 25 x 6 x 70	1	
	D	12 x 10,8 x 6 x 55	1	
	F	12 x 25 x 6 x 70	1	
	L	12 x 30 x 6 x 75	1	



TECHNICAL INFORMATION

Apply constant movement and light pressure when in use.
Do not sink the burr for more than one third of its periphery.
Extra long burrs (>150mm long) working with harder materials or require slower speeds. (Max. 15000 RPM)
Don't let the tool get too hot as it may cause the braze to melt and detach the head of the shank.



RECOMMENDED OPERATING SPEEDS (RPM)

MATERIAL TYPE	PRODUCT DIAMETER				
	3mm	6mm	10mm	12mm	16mm
Steel	60000-90000	45000-60000	30000-40000	22500-30000	18000-24000
Tempered steel	60000-90000	30000-45000	19000-30000	15000-22500	12000-18000
Stainless steel	60000-90000	30000-45000	19000-30000	15000-22500	12000-18000
Casting	45000-90000	22500-60000	15000-40000	11000-30000	9000-24000
Titanium	60000-90000	30000-45000	19000-30000	15000-22500	12000-18000
Nickel	60000-90000	30000-45000	19000-30000	15000-22500	12000-18000
Copper & copper alloys	45000-90000	22500-60000	15000-40000	11000-30000	9000-24000
Aluminium	30000-90000	15000-70000	10000-50000	7000-38000	6000-30000
Plastics	30000-90000	15000-70000	10000-50000	7000-38000	6000-30000
Carbon or glass fibers	64000-117000	32000-59000	19000-35000	16000-30000	12000-22000

Recommended speeds are for standard shank length of 45mm, maximum overhang 10mm.
Maximum recommended speed for extra long burrs is 15000 RPM.

RECOMMENDATIONS FOR USE

- It may be necessary to adjust the rates shown to achieve optimum performance
- Running below the optimum speed will encourage chipping
- Harder materials or sticky metals such as titanium, require slower speeds
- Running above optimum speed will cause tooth wear
- Smaller burrs require faster speeds
- Letting the tool get too hot may cause the braze to melt and detach the head of the shank
- Apply constant movement and light pressure when in use
- Do not sink the burr for more than one third of its periphery

Subject to errors in printing and typesetting

Mega-LINE

HIGH PERFORMANCE INDUSTRIAL PRODUCTS FOR EXCELLENT RESULTS

SCAN & ONTDEK MEER



flexovit
EEN MERK VAN SAINT-GOBAIN

Saint-Gobain Abrasives BV
Groenloseweg 28
7151 HW Eibergen
T: +31 545 466 466
E: sales.nl@saint-gobain.com

Saint-Gobain Abrasives NV
Industrieweg 21
9420 Erpe - Mere
T: +32 (0)2 267 2100
E: sales.be@saint-gobain.com

Maatschappelijke zetel:
Saint-Gobain Innovatie Materials
Belgium SA/NV Abrasives
Avenue Einstein 6
1300 Wavre

Company number: 0402 733 607

