



SUPERFLEX

CUTTING AND GRINDING DISCS



A TYROLIT • SWAROVSKI COMPANY



super/flex®

INDUSTRIAL QUALITY ABRASIVE PRODUCTS



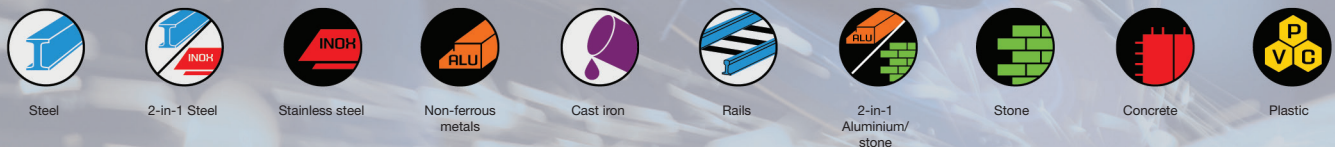
FEATURES AND BENEFITS

Superflex Cutting and Angle Grinding Discs are made in South Africa to the highest international standards of OSA and ISO. Using the latest production methods and best quality raw materials, they are specifically formulated to suit South African working conditions, resulting in value for money products which offer greater productivity and economy.

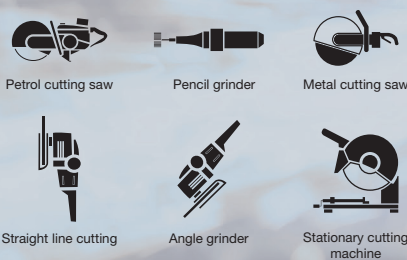
SAFETY SYMBOLS



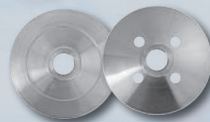
MATERIAL SYMBOLS



MACHINE SYMBOLS



SAFETY FLANGES



Standard flange diameters do not provide enough support for 180mm and 230mm cutting discs. For 180mm and 230mm cutting discs, it is recommended that 75mm safety flanges are used.

CUTTING AND GRINDING DISC MANDRELS



Available in 6mm and 10mm landing area. The 6mm landing area is suitable for 6.35mm bore diameter as well. Spindle diameter is 6mm.

STANDARD OPERATING SPEEDS

Wheel diameter	50	80	100	115	125	150	180	200	230	250	300	350	400	450	500
80 m/s	30600	19100	15300	13300	12250	10200	8500	7650	6600	6150	5100	4400	3800	3400	3100
100 m/s											6400	5400	4770		

Operational speeds may vary depending on machine output.

METAL CUTTING DISCS – PORTABLE MACHINES



SLIMLINE CUTTING DISCS

SUPERFLEX SLIMLINE PROFESSIONAL CUTTING 2-IN-1 – STEEL / STAINLESS STEEL



Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
50x1.0x6.35	A60V BF INOX SUPERFLEX	41	100	80	2-In-1: Steel and stainless steel
50x1.0x10.0	A60V BF INOX SUPERFLEX	41 42	100	80	
50x2.0x10.0	A36V BF INOX SUPERFLEX	41	100	80	
50x2.0x10.0	A60V BF INOX SUPERFLEX	42	100	80	
76x1.0x10.0	A60V BF INOX SUPERFLEX	41 42			
76x2.0x10.0	A36V BF INOX SUPERFLEX	41			
76x2.0x10.0	A60V BF INOX SUPERFLEX	42			

WHEEL DIMENSIONS: WHEEL THICKNESSES ARE NOMINAL SIZE ONLY AND MAY VARY WITH INDIVIDUAL PRODUCTS. E&OE.

METAL CUTTING DISCS – PORTABLE MACHINES



SUPERFLEX PROFESSIONAL HEAVY DUTY 2-IN-1 SLIMLINE – STEEL / STAINLESS STEEL

	Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
	100x1.0x16.0	A60V - BF	41	25	80	2-In-1: Steel and stainless steel
	115x1.0x22.23	A60V - BF	41	25	80	
	125x1.0x22.23	A60V - BF	41	25	80	
	150x1.2x22.23	A46V - BF	41	25	80	
	180x1.6x22.23	A46V - BF	41	25	80	
	230x1.9x22.23	A46V - BF	41	25	80	

SUPERFLEX INDUSTRIAL 2-IN-1 SLIMLINE – STEEL / STAINLESS STEEL

	Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
	100x1.0x16.0	1A46T - BF	41 42	25	80	2-In-1: Steel and stainless steel
	100x1.6x16.0	1A46T - BF	41 42	25	80	
	115x1.0x22.23	1A46T - BF	41 42	25	80	
	115x1.6x22.23	1A46T - BF	41 42	25	80	
	125x1.0x22.23	1A46T - BF	41 42	25	80	
	125x1.6x22.23	1A46T - BF	41 42	25	80	
	150x1.6x22.23	1A46T - BF	41 42	25	80	
	180x1.6x22.23	1A46T - BF	41 42	25	80	
	230x1.9x22.23	1A46T - BF	41 42	25	80	
	230x2.2x22.23	1A46T - BF	41 42	25	80	

NON-FERROUS AND MULTIPURPOSE CUTTING DISCS – PORTABLE MACHINES



SUPERFLEX PROFESSIONAL SLIMLINE – ALUMINIUM

	Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
	115x1.0x22.23	A60 ALU BF	41	25	80	Aluminium
	125x1.0x22.23	A60 ALU BF	41	25	80	
	230x1.9x22.23	A46 ALU BF	41	25	80	

SUPERFLEX INDUSTRIAL SLIMLINE – MULTIPURPOSE

	Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
	115x1.0x22.23	C60T - BF	41	25	80	Masonry, stone, concrete, ceramics, non-ferrous metals: second choice on steel products
	125x1.0x22.23	C60T - BF	41	25	80	
	230x1.9x22.23	C46T - BF	41	25	80	

METAL CUTTING DISCS – PORTABLE MACHINES



CONVENTIONAL THICKNESS CUTTING DISCS

SUPERFLEX PREMIUM – ALLOY STEEL

	Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
	230x2.5x22.23	ZA24S BF	41	25	80	Cast iron, SG iron, high alloy steel and irons. Very good for cutting abrasion resistant and heat sensitive metals
	230x3.2x22.23	ZA24S BF	42	25	80	

SUPERFLEX PROFESSIONAL HEAVY DUTY – STEEL

	Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
	230x3.8x22.23	AS30T BF	41 42	25	80	Heavy duty metal cutting, re-bar cutting on cement, sleepers and gratings
	250x3.8x22.23	AS30T BF	41	25	80	

WHEEL DIMENSIONS: WHEEL THICKNESSES ARE NOMINAL SIZE ONLY AND MAY VARY WITH INDIVIDUAL PRODUCTS. E&OE.

METAL CUTTING DISCS – PORTABLE MACHINES



SUPERFLEX PROFESSIONAL CUTTING – STAINLESS STEEL

	Dimensions DxTxH (mm)	Specification	Shape availability		Pack Quantity	Max Speed (m/s)	Application
	100x2.4x16.0	AS24S BF INOX ULTRA	41		25	80	Designed for cutting all grades of stainless steel materials. Suitable for use on a variety of metals, including mild steel, manganese, chrome, cast iron and more <i>* Other specifications available – application dependent</i>
	115x2.4x22.23	AS24S BF INOX ULTRA	41	42	25	80	
	125x2.4x22.23	AS24S BF INOX ULTRA	41	42	25	80	
	150x2.5x22.23	AS24S BF INOX ULTRA	41		25	80	
	180x2.5x22.23	AS24S BF INOX ULTRA	41	42	25	80	
	230x2.5x22.23	AS24S BF INOX ULTRA	41		25	80	
	230x3.0x22.23	AS24S BF INOX ULTRA	41		25	80	
	230x3.2x22.23	AS24S BF INOX ULTRA	41	42	25	80	

SUPERFLEX PROFESSIONAL CUTTING – STEEL

	Dimensions DxTxH (mm)	Specification	Shape availability		Pack Quantity	Max Speed (m/s)	Application
	100x2.5x16.0	AS30S B26 F2	41		25	80	Metal products, construction steel, carbon steel, manganese and other castings
	115x2.5x22.23	AS30S B26 F2	41		25	80	
	115x3.2x22.23	AS30S B26 F2		42	25	80	
	125x2.5x22.23	AS30S B26 F2	41		25	80	
	125x3.2x22.23	AS30S B26 F2		42	25	80	
	150x3.0x22.23	AS30S B26 F2	41		25	80	
	180x3.0x22.23	AS30S B26 F2	41	42	25	80	
	230x3.0x22.23	AS30S B26 F2	41	42	25	80	

SUPERFLEX INDUSTRIAL CUTTING – STEEL

	Dimensions DxTxH (mm)	Specification	Shape availability		Pack Quantity	Max Speed (m/s)	Application
	80x2.0x9.53	AS30S B27 F2	41		25	80	Metal products, mild steel, construction steel
	80x3.2x9.53	AS30S B27 F2	41		25	80	
	100x2.5x16.0	AS30S B27 F2	41	42	25	80	
	115x3.0x22.23	AS30S B27 F2	41	42	25	80	
	125x3.0x22.23	AS30S B27 F2	41	42	25	80	
	150x3.0x22.23	AS30S B27 F2	41		25	80	
	180x3.0x22.23	AS30S B27 F2	41	42	25	80	
	230x3.0x22.23	AS30S B27 F2	41	42	25	80	

NON-FERROUS METAL AND STONE CUTTING DISCS – PORTABLE MACHINES



SUPERFLEX PROFESSIONAL CUTTING – ALUMINIUM

	Dimensions DxTxH (mm)	Specification	Shape availability		Pack Quantity	Max Speed (m/s)	Application
	115x2.5x22.23	A36 ALU BF	41		25	80	Aluminium
	125x2.5x22.23	A36 ALU BF	41		25	80	
	180x2.5x22.23	A36 ALU BF	41		25	80	
	230x2.5x22.23	A36 ALU BF	41		25	80	

SUPERFLEX INDUSTRIAL CUTTING – STONE

	Dimensions DxTxH (mm)	Specification	Shape availability		Pack Quantity	Max Speed (m/s)	Application
	100x2.5x16.0	CS30S B40 F2	41	42	25	80	Masonry, stone, concrete, ceramics, non-ferrous metals
	115x3.0x22.23	CS30S B40 F2	41	42	25	80	
	125x3.0x22.23	CS30S B40 F2	41	42	25	80	
	150x3.0x22.23	CS30S B40 F2	41		25	80	
	180x3.0x22.23	CS30S B40 F2	41	42	25	80	
	230x3.0x22.23	CS30S B40 F2	41	42	25	80	

METAL CUTTING DISCS – STATIONARY MACHINES



SUPERFLEX STATIONARY CUTTING – STAINLESS STEEL

	Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
	300x3.4x25.4	A30 O BF INOX ULTRA	41	10	80	Stainless steel and heat sensitive steel
	350x3.4x25.4	A30 O BF INOX ULTRA	41	10	80	
	400x4.0x25.4	A30 O BF INOX ULTRA	41	10	80	
	400x4.0x40.0	A30 O BF INOX ULTRA	41	10	80	
	500x5.2x40.0	A30 O BF INOX ULTRA	41	5	80	

SUPERFLEX STATIONARY CUTTING – HEAVY DUTY – STEEL

	Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
	300x3.5x40.0	AS24R BF	41	10	100	Heavy duty industrial cutting machines
	350x3.5x40.0	AS24R BF	41	10	100	
	400x4.0x40.0	AS30Q BF 2E	41	10	100	
	450x4.2x40.0	AS30P BF	41	5	100	
	500x4.2x40.0	A30Q B55 F2	41	5	100	
	500x5.2x40.0	A30O BF	41	5	100	

SUPERFLEX STATIONARY CUTTING – ROUGH SIDED – STEEL

	Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
	350x3.6x25.4	AS30P B2 CF	41	10	80	Medium duty cutoff machines
	400x4.2x25.4	AS30P B2 CF	41	10	80	

SUPERFLEX STATIONARY CUTTING – LIGHT INDUSTRIAL AND CHOPSAW – STEEL

	Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
	300x2.8x25.4	AS30R BF2E	41	10	80	Light industrial cutoff machines
	350x3.0x25.4	AS30R BF2E	41	10	80	
	400x3.2x25.4	AS30R BF2E	41	10	80	

SUPERFLEX STATIONARY CUTTING – ROUGH SIDED LIGHT INDUSTRIAL AND CHOPSAW – STEEL

	Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
	300x2.6x25.4	AS30Q BF1 R	41	10	80	Light industrial cutoff machines
	350x2.8x25.4	AS30Q BF1 R	41	10	80	
	400x3.0x25.4	AS30Q BF1 R	41	10	80	

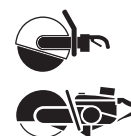
STONE CUTTING DISCS – STATIONARY MACHINES



SUPERFLEX INDUSTRIAL CUTTING – STONE

	Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
	300x3.0x25.4	CS24R BF50	41	10	80	Masonry, stone, concrete, ceramics, non-ferrous metals
	300x3.0x40.0	CS24R BF50	41	10	100	
	350x3.0x25.4	CS24R BF50	41	10	80	
	350x3.5x40.0	CS24R BF50	41	10	100	
	400x3.5x25.4	CS24R BF50	41	10	80	
	400x4.5x40.0	CS24R BF50	41	10	100	

METAL CUTTING DISCS – PETROL/METAL CUTTING SAWS



SUPERFLEX PREMIUM CUTTING

	Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
	350x4.0x25.4	ZA24 P BFS	41	10	100	High-alloy, heat sensitive and abrasion resistant metal
	400x4.2x25.4	ZA24 P BFS	41	10	100	



SUPERFLEX CUTTING FOR PETROL MACHINES – 100 m/s RAIL CUTTING



Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
350x4.0x25.4	A24Q B55 F2 Rough Side Rail	41	10	100	Rail cutting
400x4.2x25.4	A24Q B55 F2 Rough Side Rail	41	10	100	

METAL ANGLE GRINDING DISCS – PORTABLE MACHINES



SUPERFLEX PREMIUM ANGLE GRINDING – HI ALLOY MATERIALS



Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
230x5.5x22.2	CA24 Q BF PREMIUM CERAMIC	27	10	80	High chrome, extreme abrasion resistant, heat sensitive metals
230x7.0x22.2	CA24 Q BF PREMIUM CERAMIC	27	10	80	

SUPERFLEX PREMIUM ANGLE GRINDING – STEEL



Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
115x7.0x22.23	ZA24R BF PREMIUM	27	10	80	High chrome, abrasion resistant, heat sensitive steel, cast iron and very hard metals
230x5.5x22.23	ZA24R BF PREMIUM	27	10	80	
230x7.0x22.23	ZA24R BF PREMIUM	27 28	10	80	

SUPERFLEX PROFESSIONAL HEAVY DUTY ANGLE GRINDING – STEEL



Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
150x4.1x22.23	AS30T BF	27	10	80	Heavy duty, high performance grinding on steel and most alloys
180x4.1x22.23	AS30T BF	27	10	80	
180x7.0x22.23	AS30T BF	27	10	80	
230x4.1x22.23 *	AS30T BF	27	10	80	
230x5.2x22.23	AS30T BF	27	10	80	
230x7.2x22.23	AS30T BF	27	10	80	* 4.1mm Pipeliner

SUPERFLEX PROFESSIONAL ANGLE GRINDING – STAINLESS STEEL



Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
100x6.0x16.0	AS24R BF INOX ULTRA	27	10	80	Stainless steel and heat sensitive steel
115x6.0x22.23	AS24R BF INOX ULTRA	27	10	80	
125x6.0x22.23	AS24R BF INOX ULTRA	27	10	80	
150x6.5x22.23	AS24R BF INOX ULTRA	27	10	80	
180x7.0x22.23	AS24R BF INOX ULTRA	27	10	80	
230x4.1x22.23	AS24R BF INOX ULTRA	27	10	80	
230x5.2x22.23	AS24R BF INOX ULTRA	27	10	80	
230x7.0x22.23	AS24R BF INOX ULTRA	27	10	80	

SUPERFLEX PROFESSIONAL ANGLE GRINDING – STEEL



Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
100x4.5x16.0	AS30R BF 32	27	10	80	Metal products, construction steel, carbon steel, cast iron, manga- nese and other castings
100x6.8x16.0	AS30R BF 32	27	10	80	
115x4.5x22.23	AS30R BF 32	27	10	80	
115x6.8x22.23	AS30R BF 32	27	10	80	
125x4.5x22.23	AS30R BF 32	27	10	80	
125.6.8x22.23	AS30R BF 32	27	10	80	
150x6.8x22.23	AS30R BF 32	27	10	80	
180x7.2x22.23	AS30R BF 32	27	10	80	
180x8.0x22.23	AS30R BF 32	27	10	80	
230x7.2x22.23	AS30R BF 32	27	10	80	
230x8.0x22.23	AS30R BF 32	27	10	80	

SUPERFLEX PROFESSIONAL ANGLE GRINDING – CAST IRON



Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
115x6.0x22.23	AC30R BF	27	10	80	Cast iron
180x6.8x22.23	AC30R BF	27	10	100	
230x7.0x22.23	AC30R BF	27	10	80	

SUPERFLEX INDUSTRIAL GRINDING – STEEL



Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
80x6.0x9.53	AS24/30T BF28	1	10	80	Metal products, construction steel, carbon steel and castings
100x4.5x16.0	AS24/30T BF28	27	10	80	
100x6.0x16.0	AS24/30T BF28	27	10	80	
115x4.5x22.23	AS24/30T BF28	27	10	80	
115x6.5x22.23	AS24/30T BF28	27	10	80	
125x4.5x22.23	AS24/30T BF28	27	10	80	
125x6.5x22.23	AS24/30T BF28	27	10	80	
150x6.5x22.23	AS24/30T BF28	27	10	80	
180x4.5x22.23	AS24/30T BF28	27	10	80	
180x6.8x22.23	AS24/30T BF28	27	10	80	
230x4.5x22.23	AS24/30T BF28	27	10	80	
230x6.8x22.23	AS24/30T BF28	27	10	80	
230x7.2x22.23	AS24/30T BF28	27	10	80	

SPECIAL PURPOSE ANGLE CUTTING AND GRINDING DISCS – PORTABLE MACHINES



SUPERFLEX PROFESSIONAL SPECIAL PURPOSE ANGLE GRINDING – STEEL / STAINLESS STEEL



Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
115x2.2x22.23	A36S BF INOX CG	27	25	80	Cut grind: cutting and light angle grinding of steel and stainless steel
125x2.2x22.23	A36S BF INOX CG	27	25	80	
150x2.5x22.23	A36S BF INOX CG	27	25	80	
115x1.9x22.23	A36S BF INOX CURVE CUT	28	25	80	Curve cut: specially designed to cut many radii only
125x2.1x22.23	A36S BF INOX CURVE CUT	28	25	80	
150x2.5x22.23	A36S BF INOX CURVE CUT	28	25	80	

NON-FERROUS METAL AND STONE ANGLE GRINDING DISCS – PORTABLE MACHINES



SUPERFLEX PROFESSIONAL ANGLE GRINDING – ALUMINIUM



Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
115x7.0x22.23	A24 ALU BF	27	10	80	Aluminium
180x7.0x22.23	A24 ALU BF	27	10	80	
230x7.0x22.23	A24 ALU BF	27	10	80	

SUPERFLEX INDUSTRIAL ANGLE GRINDING – STONE



Dimensions DxTxH (mm)	Specification	Shape availability	Pack Quantity	Max Speed (m/s)	Application
100x6.0x16.0	CS24T BF1	27	10	80	Masonry, stone, concrete, ceramics, non-ferrous metals
115x6.4x22.23	CS24T BF1	27	10	80	
180x6.0x22.23	CS24T BF1	27	10	80	
230x4.5x22.23	CS24T BF1	27	10	80	
230x6.0x22.23	CS24T BF1	27	10	80	



Grinding Techniques (Pty) Ltd, a Tyrolit-Swarovski Company, manufactures Superflex, Andor and Tyrolit bonded abrasives and converts Deerfos and Starcke coated abrasives at our Chamdor factory in Krugersdorp, South Africa. Our products are produced in accordance with international standards, including ISO9001, EN12413, and OSA (Organisation for the Safety of Abrasives).

Founded in 1981 to supply specialised grinding wheels and other abrasive products to the industrial market, the Company has grown to become a major force in industrial abrasive supply in South Africa. In addition, our locally manufactured products are exported to satisfied customers world-wide.

Extensive stocks of a wide range of abrasive products are held at our Chamdor Head Office, as well as at our main branches in Pretoria, Cape Town, Durban and Port Elizabeth. These products include abrasive cutting and angle grinding wheels, specialised industrial grinding wheels, segments, rubbing bricks and dressing sticks, oilstones, mounted points and cones, diamond wheels, blades and dressers, tungsten carbide burrs, and other ancillary products. The coated abrasive range includes belts, sheets, fibre and velcro discs, flap discs, flap wheels and evenrun bands. We also supply a range of non-woven abrasives, as well as a selection of specially pre-packed abrasives for the DIY trade.

Our Company offers realistic minimum make quantities, competitive manufacturing lead times, technical expertise and competitive pricing – a complete package geared towards customer service and satisfaction. We are perfectly positioned to service and supply the abrasive market, and look forward to satisfying your abrasive requirements in a mutually beneficial business partnership.

MANUFACTURERS AND SUPPLIERS OF **INDUSTRIAL QUALITY ABRASIVE PRODUCTS**

28 Van Eck Street, Chamdor, Krugersdorp, Gauteng, South Africa
PO Box 51, Krugersdorp, 1740, South Africa
Tel +27 11 271 6400 • Fax +27 11 271 6464 • Fax to email 086 656 6989
info@grindtech.com

www.grindtech.com



A **TYROLIT • SWAROVSKI** COMPANY

