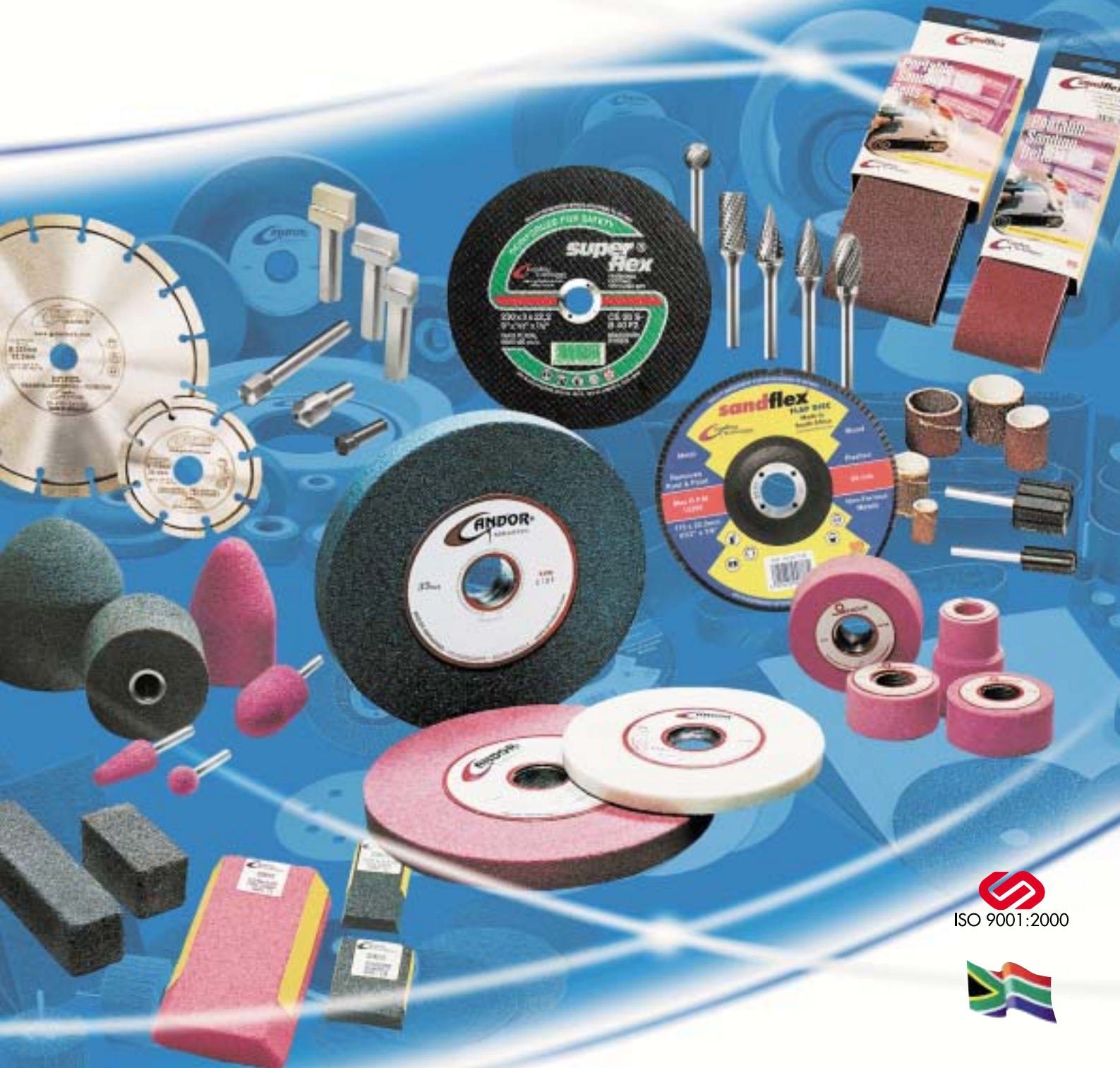


Grinding Techniques (Pty) Ltd.

ON THE CUTTING EDGE OF TECHNOLOGY




ISO 9001:2000





Founded in 1981, Grinding Techniques (Pty) Ltd. is the largest privately owned abrasive manufacturer in Africa, operating under the principal business ethos of developing mutually beneficial business partnerships with our valued customers.



A wide spectrum of quality Bonded Abrasives are manufactured to ISO 9001:2000 standards; the company also converts Coated Abrasives, and markets Tungsten Carbide Burrs, diamond products and other ancillary items. In addition, Grinding Techniques (Pty) Ltd. is the Southern African agent for Tyrolit abrasives. The company distributes through a network of branches in South Africa, and exports extremely successfully on a worldwide basis.



Grinding Techniques (Pty) Ltd. is an equal opportunity employer, committed to environmental protection and constant product improvement through ongoing research.



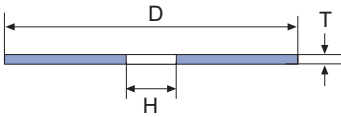
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SPECIFICATIONS

SHAPE 41

Ultra thin straight cut-off wheels reinforced



DIAMETER	THICKNESS	BORE	MAX RPM	PACK QTY
100	1,0	16,0	15280	10
100	1,6	16,0	15280	10
115	1,0	22,2	13280	10
115	1,6	22,2	13280	10
125	1,0	22,2	12280	10
125	1,6	22,2	12280	10
150	1,6	22,2	10190	10
180	1,8	22,2	8600	10
230	1,8	22,2	6600	10
230	2,2	22,2	6600	10

ORDERING DATA:

Diameter (D) x Thickness (T) x Bore (H)
- Specification - Shape 41

SPECIFICATIONS

1A46T-BF (2 in 1)
1A36T-BF (2 in 1)

APPLICATION TABLE

Used primarily for cutting stainless steels, special alloy steels, cast iron, composite materials and mild steels.

Excellent for use on sheet metal, piping, steel sections and cables, and steel reinforcing.

Used in many industries, such as construction (structural steel), panelbeating, coach building, ship building, tank and pressure vessel construction, and any steel maintenance work.

FEATURES AND BENEFITS

FEATURE - Ultra thin reinforced cutoffs

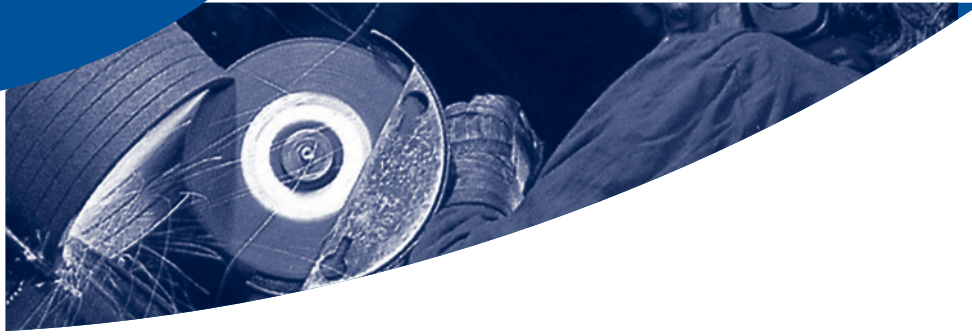
- BENEFITS**
- Fully reinforced - can be used on portable machines
 - Quicker cutting than standard cutoffs
 - Minimal cutting waste - cost saving
 - Minimal dust and swarf generated
 - Reduces tool load, therefore less machine power required, and reduced tool maintenance
 - Less force (pressure) required, therefore easier to control in the cut
 - Less "rag" (burr) left on the workpiece after the cut, therefore less cleanup necessary
 - Less heat generation, therefore less distortion or discolouration

FEATURE - Top quality raw materials

- **2 in 1 Specification**
- BENEFIT** - Means they can be used on a wide variety of applications, therefore reducing stockholding
- **Superior Quality Sharp Grain**
- BENEFIT** - Coupled with the ultra thin kerf width, this means they can be used with considerable success on non-ferrous metals such as aluminium, brass, bronze, etc.
- Consistently freer cutting action
 - Less heat generation
- **Long Life Bonding**
- BENEFIT** - Tests have shown that, if used correctly - without excessive pressure - Slimline cutoffs can last at least as long as the standard superior quality Superflex cutting wheels
- **Iron, Sulphur and Chlorine Free**
- BENEFIT** - Results in a product that will not contaminate the workpiece or cause rust, and is user-friendly

All dimensions in millimetres.

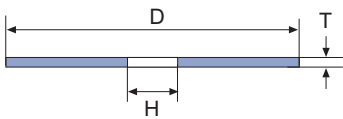
The specifications in this catalogue are recommendations only. For further information or special application specifications, please contact Grinding Techniques Technical Department (011) 271 6400 or email: info@grindtech.com



SPECIFICATIONS

SHAPE 41

Straight cut-off wheels reinforced



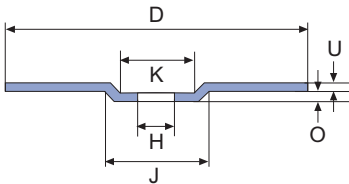
ORDERING DATA:

Diameter (D) x Thickness (T) x Hole size (H)
- Shape 41

D	T				H
	Standard	Professional	Stainless Steel	Stone	
100	2,5	2,5	2,5	2,5	16
115	3,0	2,5	2,5	3,0	22,2
125	3,0	2,5	2,5	3,0	22,2
150	3,0	-	-	3,0	22,2
180	3,0	3,0	3,0	3,0	22,2
230	2,7;3,0	3,0	3,2	3,0	22,2

SHAPE 42

Depressed centre cut-off wheels reinforced



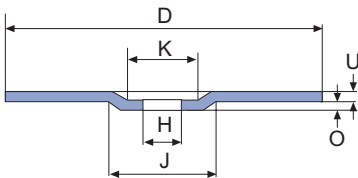
ORDERING DATA:

Diameter (D) x Width (U) x Hole size (H)
- Shape 42

D	U				H
	Standard	Professional	Stainless Steel	Stone	
100	2,5	2,5	2,5	2,5	16
115	3,0	2,5	2,5	3,0	22,2
125	3,0	2,5	2,5	3,0	22,2
180	3,0	3,0	3,0	3,0	22,2
230	2,7;3,0	3,0	3,2	3,0	22,2

SHAPE 27

Depressed centre grinding wheels reinforced



ORDERING DATA:

Diameter (D) x Width (U) x Hole size (H)
- Shape 27

D	U				H
	Standard	Professional	Stainless Steel	Stone	
100	4; 6	4,5; 6	4,5; 6	4; 6	16
115	4,5; 6	4,5; 6	4,5; 6	6	22,2
125	4,5; 6	4,5; 6	4,5; 6	-	22,2
180	4,5; 6; 8;10	7; 8	7	4,5; 6; 8;10	22,2
230	4,5; 6; 8;10	7; 8	7	4,5; 6; 8	22,2

All dimensions in millimetres.

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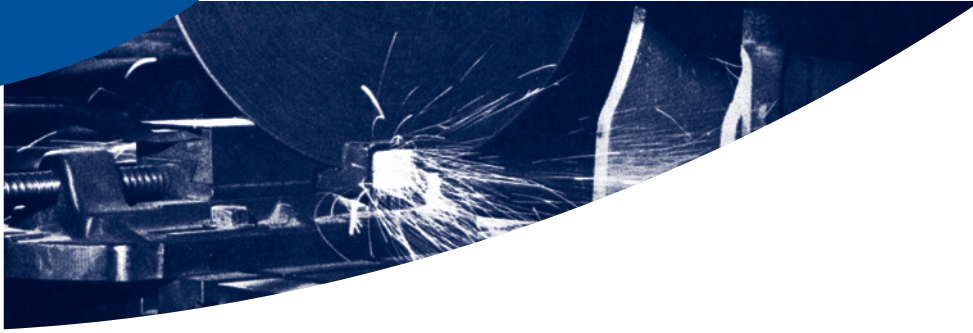
APPLICATION TABLE

D.I.Y and General Light Duty Applications (Reinforced Wheels - for Portable Machines - 80m/s)

FIELD OF APPLICATION	SPECIFICATIONS		
	Wheel Type	Cutting - Shapes 41 & 42	Grinding - Shape 27
Metal	Standard	AS30S B27 F2	AS24/30T BF28 DC
Stone & Non-ferrous Metal	Standard	CS30S B40 F2	CS24TBF40 DC

Heavy Duty Industrial Applications (Reinforced Wheels - for Portable Machines - 80m/s)

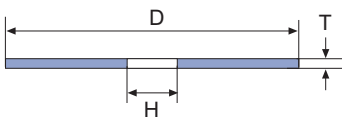
	Wheel Type	Cutting - Shapes 41 & 42	Grinding - Shape 27
Metal & mild steel	Professional	AS30S B26 Professional	AS30R BF32 Professional DC
Carbon & Hardened Steel	Professional	AS30S B26 Professional	AS30R BF32 Professional DC
Stainless Steel	Stainless steel	AS24S B5 SS Professional	AS24 Reactor BF42 SS Prof. DC
Grey & Spheroid Cast Iron	Professional	AS30S B26 Professional	AC24 TBF DC
	Standard	CS30S B40 F2	CS24T BF40 DC
Non-ferrous Metals	Standard	CS30S B40 F2	CS24T BF40 DC
Stone, Concrete, Ceramics	Standard	CS30S B40 F2	CS24T BF40 DC
Plastics	Standard	CS30S B40 F2	



SPECIFICATIONS

SHAPE 41

Straight cut-off wheels reinforced



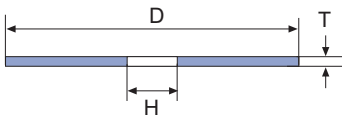
ORDERING DATA:

Diameter (D) x Thickness (T) x Hole size (H)
- Shape 41

D	T			H
	Standard	Professional	Stone	
300	2,8	-	3,0	25,4
300	-	3,5	3,0	40
350	3,0	-	3,0	25,4
350	-	3,5	3,0	40
400	3,2	-	3,0	25,4
400	-	4,0	3,0	40
500	-	5,0		40

SHAPE 41

Straight cut-off wheels non-reinforced



ORDERING DATA:

Diameter (D) x Thickness (T) x Hole size (H)
- Shape 41

D	T	H
150	1,6; 2,0; 2,5; 3,2	20; 31,75
180	1,6; 2,0; 2,5; 3,2	31,75
200	1,6; 2,0; 2,5; 3,2	31,75
230	1,6; 2,0; 2,5; 3,2	31,75
250	2,5; 3,2	31,75
300	2,5; 3,2	31,75

All dimensions in millimetres.

The specifications in this catalogue are recommendations only. For further information or special application specifications, please contact Grinding Techniques Technical Department (011) 271 6400 or email: info@grindtech.com

APPLICATION TABLE

FIELD OF APPLICATION	SPECIFICATIONS	
Application	Wheel Type	Cutting
Light Duty Machines (2kw & less) - Reinforced Cutoff Wheels - 80 m/s		
Steel	Standard	AS30R BF 2E
Stone & non-ferrous metals	Standard	CS24R BF 50

N.B: Light duty 'Standard' wheels are only available with a 25,4mm bore.

Heavy Duty Industrial Machines - Reinforced Cutoff Wheels - 100m/s

Steel	Professional	AS24R BF/A30Q B55 F2
Stone & non-ferrous metals	Professional	CS24R BF 50

N.B.: Heavy duty 'Professional' wheels are only available with a 40mm bore.
Specifications for other specialized applications available on request.

Rail Cutting - Reinforced Cutoff Wheels - 100m/s

350 x 4,2 x 25,4	A24Q B55 F2
400 x 4,2 x 25,4	A24Q B55 F2

Non-reinforced Cutoff Wheels (80 m/s max)

Universal use	A60 PB2	A46 PB2
Steel, soft	A60 PB2	A46 PB2
Steel, alloyed, hardened, high speed steel, spheroid cast iron, non-ferrous metals	A60 OB2; A80 OB2	A46 OB2
Grey cast iron, stone, ceramics & plastics	C60 OB2; A60 OB2	C46 OB2; A46 OB2