

# 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.



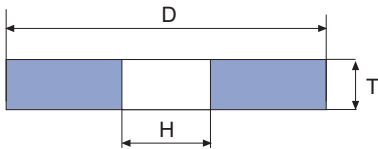
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## SPECIFICATIONS

### SHAPE 1



#### ORDERING DATA:

Diameter (D) x Thickness (T) x Hole size (H)  
- Specification - Shape 1

D	T			H	
80	10			13	(10)
100	13	20		16	(20)
125	20	25		20	
150	16	20	25	20	
200	20	25	32	40	20 31,75/32
250	20	25	32	40	31,75/32
300	25	32	40	50	63 31,75/32
350	32	40	50	63	31,75/32
400	40	50	63		40
500	50	63	80		50,8
600	63	80			76,2
750	80				76,2

## APPLICATION TABLE

FIELD OF APPLICATION		SPECIFICATIONS	
<b>Bench and floorstand machines up to 35m/s with vitrified grinding wheels (shapes 1,5)</b>		<b>up to ø300</b>	<b>ø350 and above</b>
<b>Universal Use</b>		A46 N5V86	A36 P5V86
<b>Steel and Cast Steel</b>		A24 P5V86 A36 P5V86 A46 N5V86 A60 M5V86	A20 P5V86 A24 P5V86 A36 P5V86 A46 N5V86 A60 M5V86
<b>Grey Cast Iron and Spheroid Cast Iron</b>		A24 P5V86 A36 P5V86 A46 N5V86 6C24 P5V11 6C36 P5V11	A20 P5V86 A36 P5V86 6C20 P5V11 4C24 P5V11
<b>Aluminium (aluminium alloys)</b>		6C24 M5V11G	6C24 N5V11G
<b>Non-ferrous Metal (bronze and brass)</b>		6C24 P5V11 6C46 M5V11	6C24 P5V11 6C46 L5V11
<b>Tungsten Carbide</b>		8C46 K8V1 8C60 K8V1 8C80 J8V1	8C46 K8V1 8C60 K8V1 8C80 J8V1

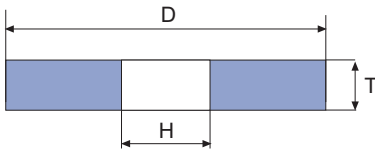
All dimensions in millimetres.

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](mailto:info@grindtech.com)



### SPECIFICATIONS

#### SHAPE 1



#### ORDERING DATA:

Diameter (D) x Thickness (T) x Hole size (H)  
- Specification - Shape 1

For Floorstand and Swing Frame Machines at 45m/s

D	T	H	
350	50	127	152,4
400	50	63	152,4
500	50	63	80 203,2
600	63	80	203,2 304,8
750	80	100	304,8
900	80	100	304,8

### APPLICATION TABLE

FIELD OF APPLICATION	SPECIFICATIONS		
	at 45m/s	at 60m/s	at 80m/s
<b>Floorstand and Swing Frame Machines 45m/s to 80m/s with resinoid bonded grinding wheels (shape 1)</b>			
<b>Steel and Cast Steel - with low pressure</b>	A 12 to 20 grit R to T grade -5B2H	A 12 to 20 grit P to R grade -5B2H-F/60	A 12 to 20 grit P to R grade -5B2H-F/80
<b>Steel and Cast Steel - with high pressure</b>	ZA 12 to 20 grit R to T grade -5B2H	ZA 12 to 20 grit P to R grade -5B2H-F/60	ZA 12 to 20 grit P to R grade -5B2H-F/80
<b>Grey Cast Iron and Spheroid Cast Iron</b>	A, 6C, AC or CA 12 to 20 grit R to T grade -5B2H	A, 6C, AC or CA 12 to 20 grit Q to R grade -5B2H-F/60	A, 6C, AC or CA 12 to 20 grit P to R grade -5B2H-F/80

All dimensions in millimetres.

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