

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.

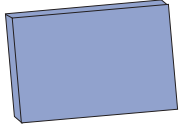


INDEX

FOREWORD	2
TECHNICAL INFORMATION	
BONDED ABRASIVES	3
1. Abrasive Type	4/5
2. Grit Size	5/6
3. Grade	6/7
4. Structure	7/8
5. Bond Types	8
6. Additional Components	8
WHEEL MARKINGS/FLANGE SIZES	9
DIMENSIONS AND SHAPES	10
ISO METRIC STANDARDS FOR GRINDING WHEELS	11
SAFETY IN GRINDING/STORAGE/MOUNTING/RING TEST	12/13
COATED ABRASIVES/SUPERABRASIVES	13
SURFACE GRINDING:	
Straight Wheels	14/15
Cup Wheels and Cylinders	16/17
Segments	18/19
EXTERNAL CYLINDRICAL GRINDING	20 - 23
INTERNAL CYLINDRICAL GRINDING	24/25
CENTRELESS GRINDING	26 /27
TOOL & CUTTER GRINDING	28 - 31
MINING WHEELS	32
SAW SHARPENING	33
THREAD GRINDING WITH MULTI-RIB WHEELS	34
THREAD GRINDING WITH SINGLE-RIB WHEELS	35
GEAR GRINDING	36/37
BENCH & FLOORSTAND GRINDING	38
SNAGGING: BENCH, FLOORSTAND AND SWINGFRAME GRINDING	39
GRINDING ON PORTABLE MACHINES	40/41
CONES & PLUG WHEELS WITH INSERTED NUTS	42
SLIMLINE CUTTING WHEELS	43
CUTTING & GRINDING ON PORTABLE MACHINES	44/45
CUTTING OFF ON STATIONARY MACHINES	46/47
MOUNTED POINTS & WHEELS	48 - 50
HI-GLO POLISHING POINTS	51
OILSTONES, BRICKS, STICKS & GRAIN	52
BONDED MISCELLANEOUS	53
AUTOMOTIVE ENGINE RECONDITIONING	54 - 58
DRESSING TOOLS	59/60
DIAMOND DRESSERS	61/63
TUNGSTEN CARBIDE BURRS	64/65
SANDPAPER GUIDE	66
ABRASIVE ROLLS	67
ABRASIVE DISCS	68
FLAP DISCS FOR PORTABLE MACHINES	69
ABRASIVE SHEETS: BULK PACKS	70
ABRASIVE SHEETS: PRE-PACKS	71
ABRASIVE BELTS	72 - 74
EVENRUN BANDS/SPIRABANDS/NO LAP SLEEVES	75
SPINDLE MOUNTED/ARBOR MOUNTED FLAP WHEELS	76
COATED MISCELLANEOUS	77
DIAMOND SAWS/DIAMOND WHEEL SHAPES	78/79
DIAMOND & CBN ABRASIVES	80/81
NON-WOVEN ABRASIVES	82
SPEED CONVERSION TABLE	83
ORDER FORM	84

SPECIFICATIONS

HAND PADS – CLEAN & FINISH

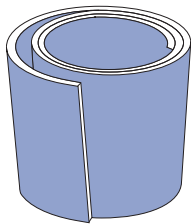


ORDERING DATA:

Type – Width x Length

TYPE	WIDTH	LENGTH	COLOUR	BOX QTY
Type A very fine	150mm	225mm	Maroon	20
General purpose	150mm	225mm	Green	20

CLEAN & FINISH ROLLS



ORDERING DATA:

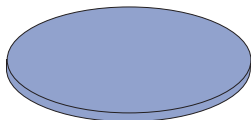
Type – Width – Length

TYPE	WIDTH	LENGTH	COLOUR
Type A medium	25mm	10m	Maroon
	50mm	10m	Maroon
	75mm	10m	Maroon
	100mm	10m	Maroon
	125mm	10m	Maroon
	150mm	10m	Maroon
	850mm	1m	Maroon
	850mm	10m	Maroon

Also available: Type A Very Fine - Maroon
 Type A Fine - Maroon
 Type A Coarse - Tan/Maroon
 General Purpose - Green

SURFACE CONDITIONING DISCS

Hook & Loop

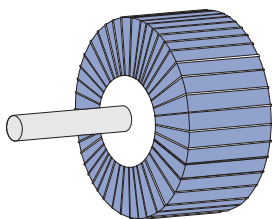


ORDERING DATA:

Type – Diameter

TYPE	DIAMETER	COLOUR	MIN QTY
Coarse	180mm	Brown	10
Medium	180mm	Maroon	10
Very Fine	180mm	Blue	10
Coarse	200mm	Brown	10
Medium	200mm	Maroon	10
Very Fine	200mm	Blue	10

SPINDLE MOUNTED FLAP WHEELS



ORDERING DATA:

Type – Diameter x Width

TYPE	DIAMETER	WIDTH
PGS – non-woven abrasive only	80mm	50mm
P80 PGC – non-woven & 80 grit abrasive	80mm	50mm
P120 PGC – non-woven & 120 grit abrasive	80mm	50mm

SPINDLE DIAMETER – 6mm

RECOMMENDED OPERATING SPEEDS: Wood: 5000 rpm
 Metal: 1200 rpm