



System 2000 Road Rehabilitation

Basic Product Introduction

System 2000

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System 2000

1.0 Introduction

System 2000 is typically used for:-

- Gravel Road Reclamation
- Gravel Road Maintenance
- Asphalt Road Planning
- Removal of potholes and washboards on gravel and dirt roads

System 2000 is suitable for :-

- ☑ 12,, Grader Blade
- ☑ 14" Grader Blade
- ☑ 16" Grader Blade

There is also a System suitable for a 24H Grader.



System 2000

- The **System2000** is comprised of semi-permanent adaptor blades and “quick change” carbide tipped tools.
- The tools have a rotating action while in use. This allows for better wear, and improved cutting abilities.
- These carbide tools have greater wear resistance than conventional steel blades.
- Reduction on the contact area using many small points, rather than a continuous blunt edge, significantly reduces power requirements



3" & 4" Adaptor Boards bolt directly to existing grader moldboards



“Heavy Duty” Mining System 2000 Tools. 25mm Ø Shank



“Standard” System 2000 Tools. 22mm Ø Shank

System 2000

2.0 System 2000 at Work

Carbide tools allow System 2000 to cut the road instead of scraping it as a conventional blade would.

Therefore, the structures causing the washboards and potholes are cut out instead of being filled in with loose material.



System 2000

2.0 System 2000 at Work As System 2000 cuts, it increases the proportional particle mix of the pavement.

Note:-

Generally, normal grading procedures apply.

Depth of cut is from the bottom of the tool, not the bottom of the adaptor board

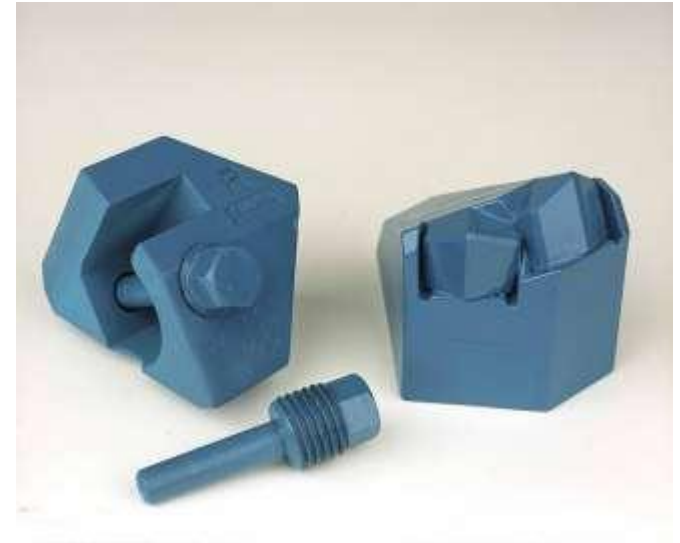


System 2000

3.0 End Protectors

The boot style end protector is a vital component of the System 2000, it gives:-

- ☑ Greater protection to the end of the adaptor boards.
- ☑ Improved surface finish due to the cutting action and profile of the end protector.
- ☑ Increased productivity as downtime is virtually eliminated.



System 2000

4.0 Installation

In brief, installation of the System 2000 is as follows:-

1. Remove existing cutting edges.
2. Clean moldboard face.
3. Bolt on System 2000 adaptor boards.
4. install carbide tools into adaptor boards.
5. Install end protectors



System 2000

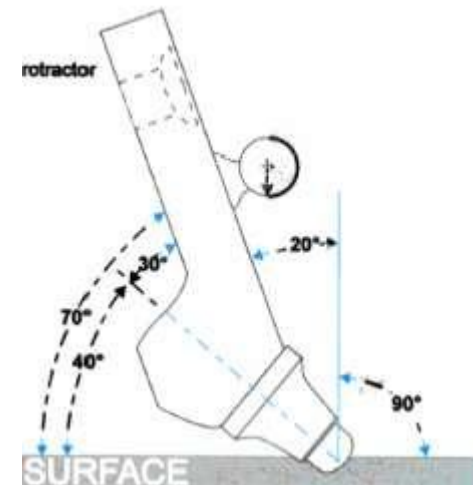
4.1 Installation

IMPORTANT !

Setting the correct angle of the moldboard is critical for the proper operation of the System 2000.

The board **MUST** be operated at a 70° angle.

Lower moldboard so that tools engage the ground, then set and mark the boards at the desired 70° operating angle.



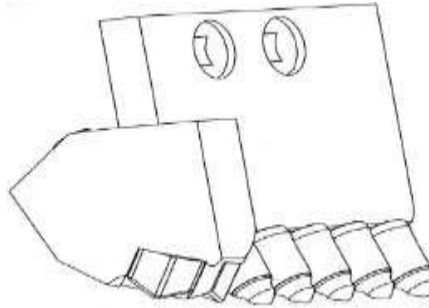
System 2000

5.0 Maintenance

- Always ensure the tools are able to rotate freely.
- A tool not rotating will leave a “drag mark”. Failure to do this will cause premature wear in carbide tips.
- Replace tools if the carbide tips wears a flat spot carbide tips wears off or breaks.



System 2000



6.0 Part Numbers

STANDARD SYSTEM 2000

“HEAVY DUTY” MINING SYSTEM 2000

Part Numbers	Description
K1LS-2244-2869	System 2000 Tool, 22mm Ø
S1BA-2248-1930	4ft Adaptor Board
S1BA-2236-1930	3ft Adaptor Board
S4PX-2203-1030	End Protector, LH
S5PX-2203-1030	End Protector, RH

Part Numbers	Description
K1LS-2557-5662	System 2000 Tool, 25mm Ø
S1CB-2548-2530	4ft Adaptor Board
S4PX-2504-2530	End Protector, RH
S5PX-2504-2530	End Protector, LH

System 2000

7.0 System 2000 in use.

Sandvik System 2000 has been widely accepted into the shire councils for the maintenance of gravel roads in NSW, Sth Queensland , Victoria and WA. There is enormous potential with this product in the Mining sector with maintenance of haul roads in particular.

Some sites currently using the **System 2000 Mining Sets** are:-

- **ROCHE MINING - WAMBO OPEN CUT (NSW)**
- **THIESS – MT OWEN (NSW)**
- **DARLOT MINE (WA)**
- **HUNTLEY MINE – ALCOA (WA)**
- **PLACER GRANNY SMITH (WA)**
- **BYRNECUT MINING (WA) SURFACE & UNDERGROUND**
- **BGC (WA)**

System 2000

7.1 System 2000 in use.

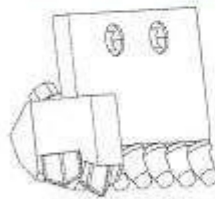


System 2000

SANDVIK MGT Mineral Ground Tools SYSTEM 2000



Sandvik System 2000 is a high tech road rehabilitation cutting system. It picks up productivity levels, reduces downtime to virtually zero and significantly increases the durability of unsealed pavements. System 2000 comprises semi permanent, one piece heat treated, adaptor boards that house rotating tungsten carbide tipped ground engaging tools. Our patented tip geometry and special high density tungsten carbide grade are the key reasons our tooling achieves extended wear life. As a package, System 2000 offers a road rehabilitation product second to none.



Versatile 22mm System

Suitable for grades with 12" through 15" widthboards which utilize 1/2" plough link systems.

Suitable for grades with 14" through 15" widthboards which utilize 3/4" plough link systems.

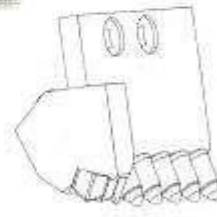
Board 21 \$185,224-858
 31 \$185,224-858

Tool K05 224-288

Plough link system with a high density, double carbide board is available for maximum wear life.

Tool Position LH \$495,281-000
 RH \$495,281-000

REGIONS: AUSTRALIA



Heavy Duty Mining 25mm System

Suitable for grades with 14" through 15" widthboards which utilize 3/4" plough link systems.

Suitable for grades with 14" through 15" widthboards which utilize 1/2" plough link systems.

Board 26 \$125,254-254
 36 \$125,254-254

Tool - Standard Profile K15 254-282
 Heavy Duty Profile K15 254-282

Tool Position LH \$495,281-000
 RH \$495,281-000

REGIONS: CANADA

AUSTRALIA
 Sandvik Australia Pty. Ltd.
 1000 Sturt Street
 Westmead, New South Wales 2145
 PHONE: 61-61-628-1171
 FAX: 61-61-628-1172
 EMAIL: mgt.aust@sandvik.com
 www.sandvik.com

USA
 Sandvik MGT LLC
 Mineral Tool Division
 P.O. Box 20, Woodbury, NJ 08817-0020
 (908) 261-2000 (Toll Free: 800/521-5211)
 PHONE: 800/866-9447 (US and Canada)
 FAX: 908 220 4221 (US and Canada)
 www.sandvik.com



SYSTEM 2000 - ROAD REHABILITATION

System 2000

SANDVIK MGT Mineral Ground Tools BOOT STYLE END PROTECTOR - SYSTEM 2000



Versatile 22mm System

LH 51PX-2293-1050
RH 55PX-2293-1050
DETAILS AVAILABLE

Heavy Duty 'Mining' 25mm System

LH 51PX-2504-2530
RH 55PX-2504-2530
DETAILS AVAILABLE

The boot style end protector is now a vital and integral part of our System 2000 road rehabilitation product range. This innovative product enhances one of the advantages we have over our competitors, "System 2000 cutting edges are always dead straight."

Other Advantages and Benefits of the "Boot Style" end protector.

1. Increased productivity, with downtime virtually eliminated.
2. Decreased running costs.
3. Improved surface finish, due to the cutting action and profile of the "Boot Style" end protector.
4. Improved protection of the end boards.

AUSTRALIA

Sandvik Australia Pty. Ltd.
PO Box 9729
MCG Drive
Woodbridge, Queensland 4204
Ph: 07 553 2112
Fax: 07 553 2117
Web: www.sandvik.com
www.sandvik.com.au

USA

Sandvik MGT LLC
Mineral Tools Division
PO Box 9788, Suite 470, 24050 56055
1500 Industrial Park Rd., Bldg 470
Ph: 504 936 6073 and 504 936 6074
Fax: 504 936 6274 and 504 936 6275
www.mgt.sandvik.com



SYSTEM 2000 - ROAD REHABILITATION

System 2000

- **Contacts:-**

**DON BELBIN
15 B BARKER ST**

BELMONT WA 6984

P: 62545300

F: 94781765

M: 0488 076 230

E: dbelbin@natdrill.com.au