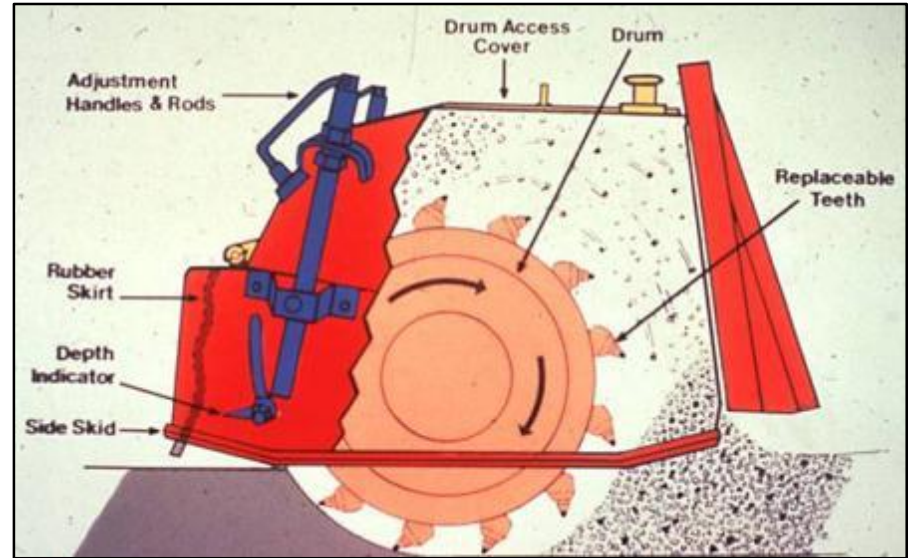




Planers



Planers



- Efficient and cost-effective tools for **pavement repair**
- For **asphalt** and **concrete** repair jobs
 - Cut and pulverize pavement material
 - Removed materials are recycled or new materials used
 - Substantial reduction in required pavement material

Planers : Applications

Asphalt and concrete repair jobs

- Street repairs
- Mill potholes, alligator cracks & other defects
- Match uneven pavement surfaces
- Cut drainage in parking lots
- Cleanup around larger milling machines



Planers

Standard Flow Planer

S130 & above
14" / 35 cm



High Flow Planers

S160H & above
18" / 45 cm
24" / 60 cm (S175H →)
40" / 100 cm (S630H →)



Surface planer: **OBSOLETE**

S160H & above
16" / 40 cm

Alternative :

18" Planer + 16" Surface Drum



Planers : Standard Flow Planer

14" / 35 cm Planer, Standard Flow

- For S130 → S770, A770, T190 → T770
- Economy model
- Manual depth control (0 to 6" / 15 cm)
- Hydraulic side-shift (26" / 66 cm)
- All purpose drum
 - 46 bits
 - 14" / 35 cm wide
- May also use :
 - 2,5" / 6,5 cm or 4" / 10 cm
 - slot cut drum, or 6" / 15 cm, 8" / 20 cm
 - 12" / 30 cm all purpose drum



No attachment control kit required

Planers : High Flow Planers

18" / 45 cm Planer, High Flow

S160H → S770H, A770H, T190H → T770H

24" / 60 cm Planer, High Flow

S175H → S770H, A770H, T190H → T770H

40" / 100 cm Planer, High Flow

S630H → S770H, A770H, T650H → T770H



Planer 18" / 45 cm

For use with all current high flow loaders

Hydraulic depth adjust (0 to 6" / 15 cm)

Hydraulic side-shift (26" / 66 cm)

Choice of drums

18" / 45 cm smooth cut all purpose (84 bits)

18" / 45 cm fast cut all purpose (47 bits)

May also use: 16" / 40 cm smooth cut or fast cut all purpose, 16" / 40 cm surface, 6" / 15 cm, 8" / 20 cm, 12" / 30 cm, 14" / 35 cm all purpose, 2.5" / 6.5 cm or 4" / 10 cm slot cut drums



Planer 24" / 60 cm

For use with current high flow loaders

S185H → larger

Hydraulic depth adjust (0 to 6" / 15 cm)

Hydraulic side-shift (26" / 66 cm)

Choice of drums

24" / 60 cm smooth cut all purpose (124 bits)

24" / 60 cm fast cut all purpose (84 bits)

May also use: 16" / 40 cm or 18" / 45 cm smooth cut or fast cut all purpose, 6" / 15 cm, 8" / 20 cm, 12" / 30 or 14" / 35 cm all purpose, 2.5" / 6.5 cm or 4" / 10 cm slot cut drums



Choose the Correct Drum Style

Fast Cut Drum

Offers **best performance**, but **rougher surface**

Larger chips than with smooth cut drum

All purpose bits/drum

Use on asphalt or concrete

Use in most applications, except when smoother finish is desired

Smooth Cut Drum

More teeth for **smoother finish**, but slower than fast cut drum

All purpose bits/drum

Use on asphalt or concrete

Use when milled surface remains exposed after project is complete

Difference in drums is number of teeth used

Planer 40'' / 100 cm

For use with current HF loaders

S630H / S220H → larger

Self-Levelling System

Hydraulic Tilt

Hydraulic depth adjust

0 to 5'' / 12 cm

Skis are independently adjustable

Depth gauge and oscillation gauge visible from operator's seat

40'' / 100 cm wide drum

75 bits with expansion ring retention



Planers : 16'' / 40 cm Surface Planer



- **For use with current high flow loaders** for S160H → larger
- Remove lines, thermoplastics and paint stripes from parking lots, streets, highways & airports
- Loader & planer able to fit, within one lane of highway
- 16'' / 40 cm with 185 bit drum leaves a smooth surface finish
- High speed, low torque motor

Planers : Features & Benefits

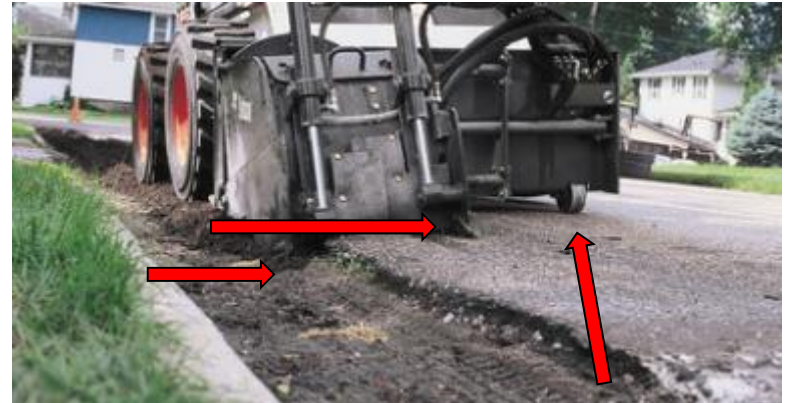
For 14" / 35 cm, 18" / 40 cm and 24" / 60 cm Planers

- Bits retained by **expansion rings**, not C-clips - change bits quickly & easily



- **Consistent depth control**

Replaceable ski wear pads provide consistent control by penetrating through in travel path



- Standard **rear frame wheels** provide support and reduce tire bounce while planing

Planers : Features & Benefits

For 14" / 35 cm, 18" / 40 cm and 24" / 60 cm Planers

- **Good Serviceability**

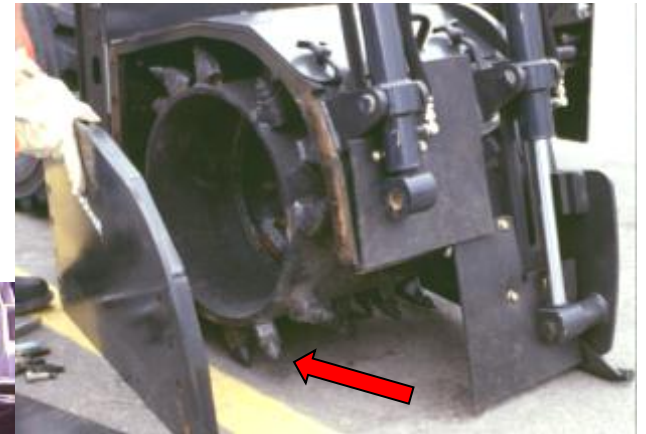
- Easy access to inspect or replace the bits
- Easy to change planer drum through side access plate
 - Removable right end plate and ski



Planers : Features & Benefits

For 14" / 35 cm, 18" / 40 cm and 24" / 60 cm Planers

- **Flush wall planing** capability due to hydraulic side-shift and removable right ski and end plate
- **Side cutting bits** reduce binding & provide vertical edge for improving joint bond between new & existing asphalt layers



Planers : Features & Benefits

For 14" / 35 cm, 18" / 40 cm and 24" / 60 cm Planers



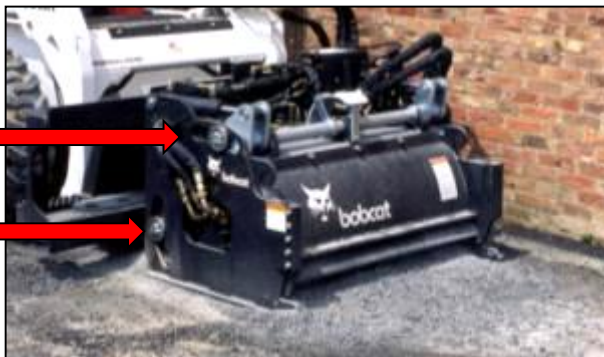
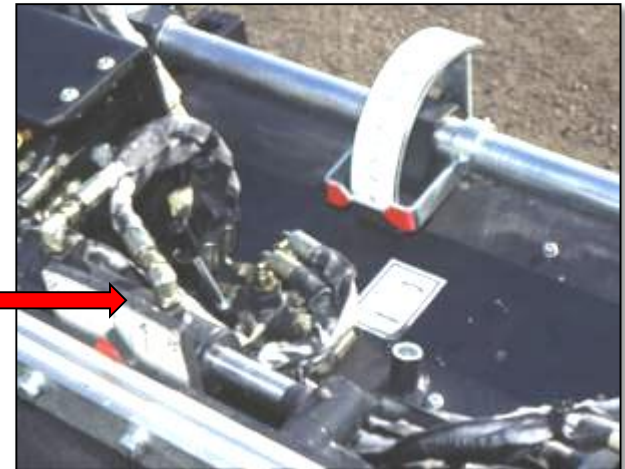
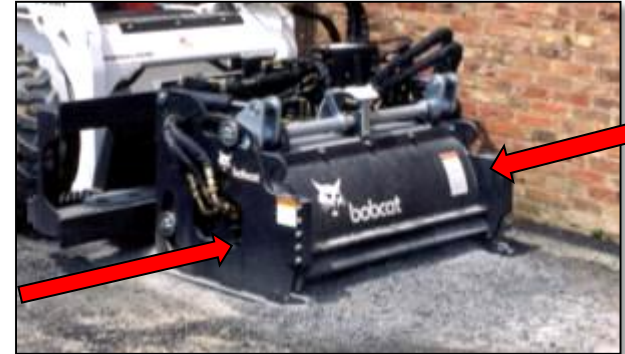
Oscillating Drum

- **Unlocked for “free floating” oscillation**
 - Provides optimum planer surface tracking regardless of loader movements caused by uneven terrain
 - Up to +/- 15°
- **Place the pin in the locked position to mill at 0°**

Planers : Features & Benefits

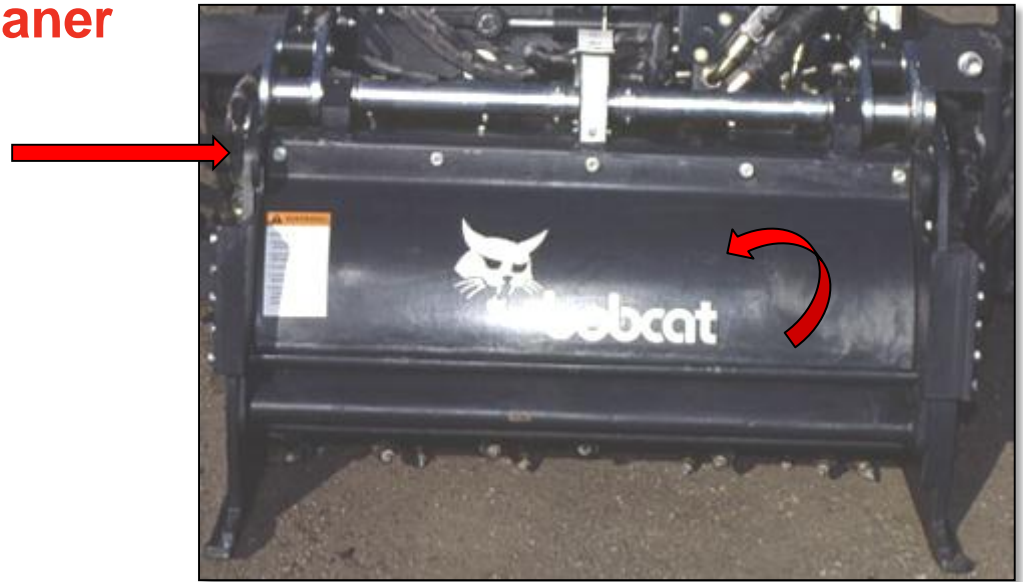
For the 40" / 100 cm Planer

- Two high-torque, direct-drive motors
 - One on each side of drum
- Diverter Valve / Hydraulic Tilt
 - Switch between hydraulic side-shift or hydraulic oscillation (+/- 8)
- Self-Levelling System



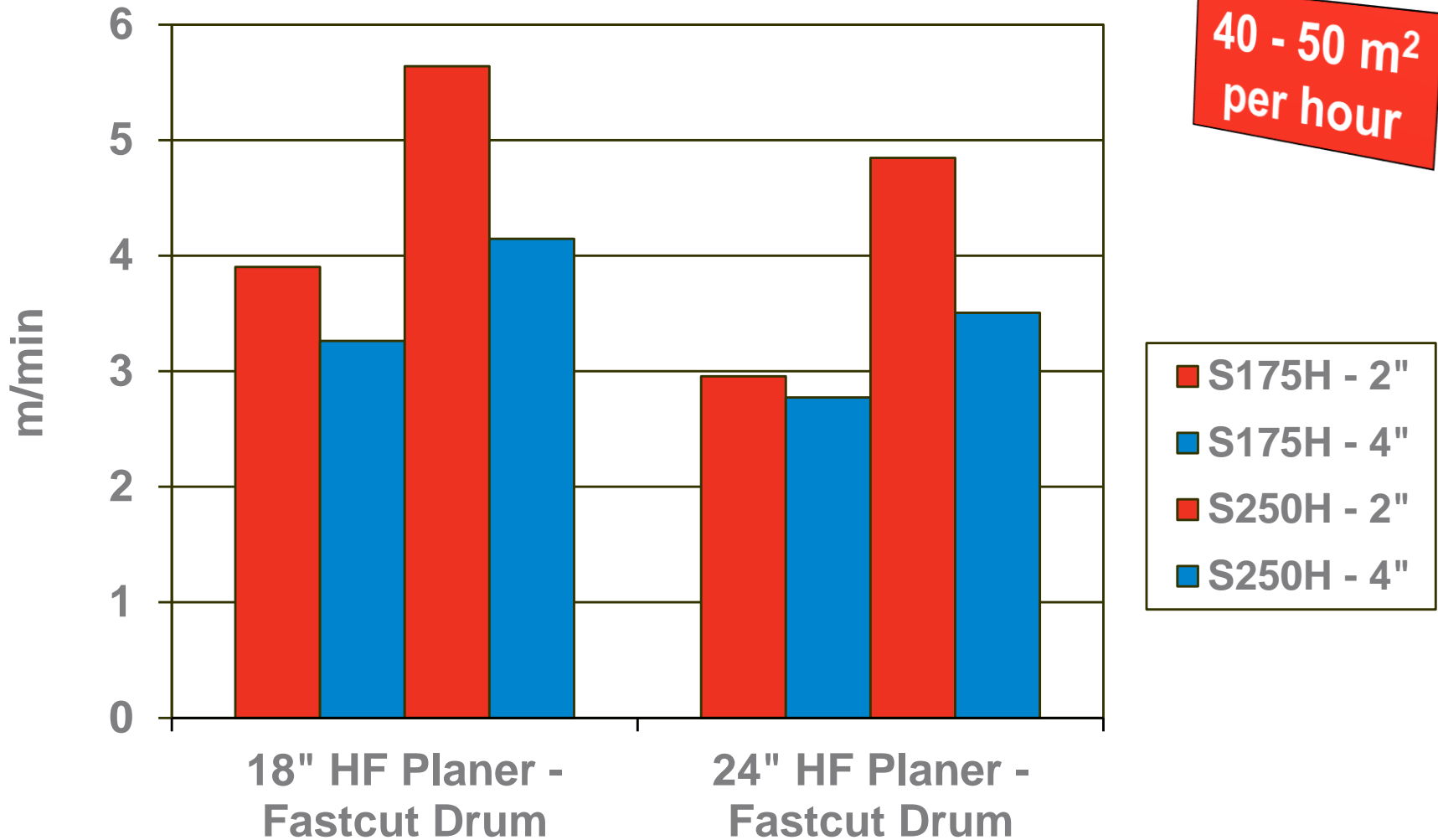
Planers : Features & Benefits

For the 40" / 100 cm Planer

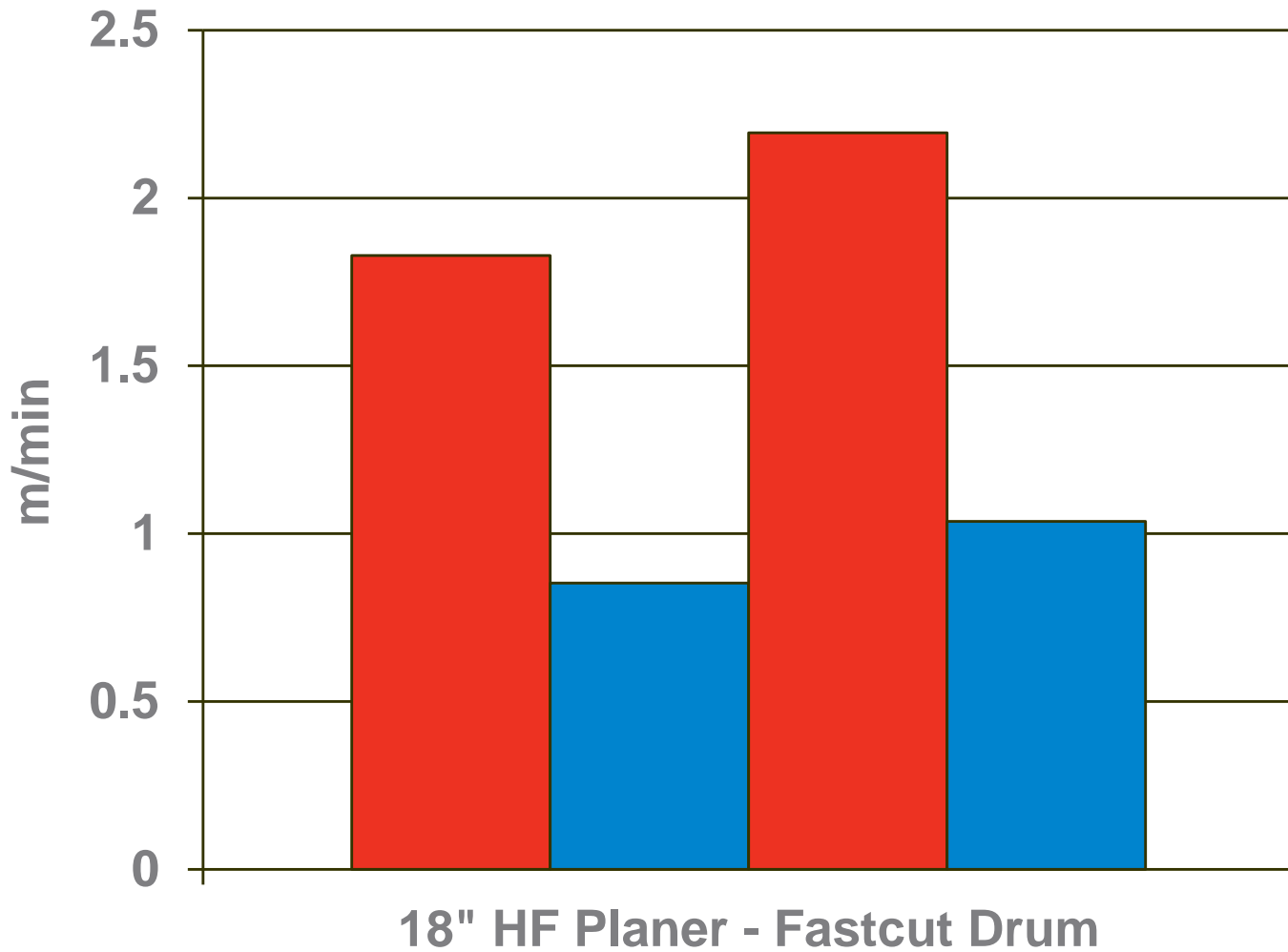


- **Front access service panel provides easy access to inspect or replace bits, remove 5 bolt to allow panel to fold down**
- **Side-cutting bits reduce binding & provide vertical edge for improving joint bond between new & existing asphalt**

Planers : Performances - Asphalt



Planers : Performances - Concrete



40 - 50 m²
per hour

- S175H - 1"
- S175H - 2"
- S250H - 1"
- S250H - 2"

Planers : Performances Overview



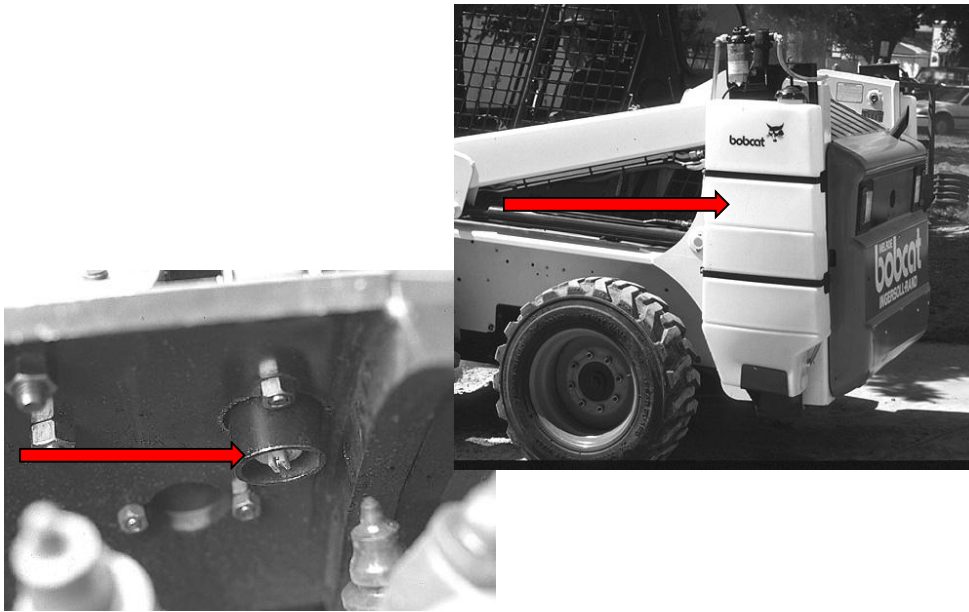
Average utilization: 200 hours/year

Teeth life : 20 – 50 hours

Drum life : 200 – 400 hours

Production rate : 40 – 50 m²/hour

Planers : Accessories



Water & Nozzle Kit

- Water pump controlled by toggle switch in operator cab
- Reduces dust from planing
- Installs on the loader

Guide Rod Kit

- Helps operator follow a seam or line more precisely

Planer Bits

6672259 Long Nose Bit

Standard planer bit from factory for most planers (not the 40" / 100 cm)

Best bit for asphalt and soft concrete

Wears faster than other styles but is most productive in proper material

Not for steel or large aggregate because the carbide is not mounted deeply into the bit

A more blunt but heavier carbide bit from parts is 6650137 (similar design)



Planer Bits

6659946 Bit Heavy Duty

Optional bit for planers

Best bit for hard concrete with large aggregate or steel rebar

Carbide is the largest and mounted the deepest for durability

Has dimpled keeper and is used in holders with groove in the inside



Planer Bits

6906904 Bit Surfacing

Standard planer bit from factory for surface planers

Smaller in size than normal planer bits

Only option offered by Bobcat for the surface planer

Will not survive impact with steel



Planer Weight Kit



Four 50-lb suitcase weights



Brackets and hardware hold the weights securely to the 18-inch and 24-inch planers

- Provides **increased down-pressure** on planer drum to increase production
 - Most noticeable in hard asphalt or concrete
- Includes four 50-lb suitcase weights and required mounting components (brackets and hardware)
- For 18" and 24" planers only.
- Planer Weight Kit, PN 7189709

Planers – Ordering Information

Previous Situation

Current Situation

14" Planers

7188704	14" planer (std equipped with 14" All Purpose Drum)
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PLN14*14AP	14" Planer (std equipped with 14" All Purpose Drum)
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18" Planers

Configuration not possible	
7188703	18" Planer (comes std without drum)
7165505	18" Fast Cut Drum

PLN18*18FC	18" Planer (std equipped with 18" Fast Cut Drum)
PLN18*NODRUM	18" Planer (comes std without drum)
7165505	18" Fast Cut Drum

24" Planers

Configuration not possible	
7184349	24" Planer (comes std without drum)
6958266	24" Fast Cut Drum

PLN24*24FC	24" Planer (std equipped with 24" Fast Cut Drum)
PLN24*NODRUM	24" Planer (comes std without drum)
6958266	24" Fast Cut Drum



Planers – Available accessories

P/N	Description
6905975	GUIDE ROD KIT, 14" PLANER
6716451	GUIDE ROD KIT, 18" PLANERS
6905199	GUIDE ROD KIT, 24" PLANER
6905178	2" SLOT CUT DRUM
6958406	4" SLOT CUT DRUM
6661408	6" ALL PURPOSE DRUM
7165473	8" ALL PURPOSE DRUM
7165485	12" ALL PURPOSE DRUM
6905404	14" ALL PURPOSE DRUM
6906320	16" SURFACE DRUM
7165503	16" FAST CUT ALL PURPOSE DRUM
7165502	16" SMOOTH CUT ALL PURPOSE DRUM
7165505	18" FAST CUT ALL PURPOSE DRUM
7165506	18" SMOOTH CUT ALL PURPOSE DRUM
6958266	24" FAST CUT ALL PURPOSE DRUM
7165544	24" SMOOTH CUT ALL PURPOSE DRUM



Planers pictures



Planers pictures



Hydraulic oscillation kit



Tie-downs loops



Hydraulic priority valve & motor



Wear pad



Steel wheels



Top service panel and cutting bits



Left ski depth gauge - visibility



Water kit





Bobcat®