

Pro-Flex 120B - PRODUCT REFRESHER

September 2018

The **Pro-Flex 120B** by Progressive Turf Equipment, is the most widely used pull-behind contour finishing mower in the market. First introduced to the golf industry in 1999, the **Pro-Flex 120B** has become the 'go-to' contour and rough mower due to its versatility, its field proven reliability, its value and a uniform quality cut that is demanded by Superintendents and members alike.

Although well regarded in the golf industry, the **Pro-Flex 120B** is equally at home on a corporate campus due to its contour hugging ability and a superb finish cut quality.



Compared to a self-contained rough mower, it is all about the **ADDED VALUE** a Pro-Flex 120B delivers!

- ✓ *The simplicity and low operating cost of a utility tractor and a Pro-Flex 120B combination is a key success factor.*
- ✓ *Requires about half the horsepower of a similar width Tier 4 self-contained ride-on mower, providing a large savings in fuel cost year-after-year*
- ✓ *The Pro-Flex 120B offers increased equipment utilization as the tractor can be used for other tasks when not mowing*
- ✓ *The Pro-Flex 120B belt driven decks are simpler than those of a hydraulically driven mower. This further lowers the total cost of ownership*
- ✓ *The Pro-Flex 120B's lower purchase cost, frees up the equipment budget for other purchases*



Superintendent Series

Pro-Flex 120B

What is different about the Pro-Flex 120B of today compared with an older Pro-Flex that has served its owner well? Read on.

Pro-Flex 120 vs the Pro-Flex 120B of Today

Following its introduction in 1999, the Pro-Flex 120 quickly developed a solid reputation for durability and quality of cut. In 2009, a second version of the Pro-Flex was released. Termed the **Pro-Flex 120B**, it was equipped with a Constant Velocity (CV) input shaft which minimized driveline vibration during turns. For a short time, the Pro-Flex 120B was sold along-side the Pro-Flex 120. Realizing the benefits, the market demand for the CV equipped Pro-Flex 120B far outpaced the 'A' model and in early 2012 the 'A' model was discontinued. Other than the change to the input PTO, the Pro-Flex 120B remained relatively unchanged until early 2013 as outlined on the next pages.

A History of Continuous Improvements.

2009 Changes:

- Introduction of the Constant Velocity (CV) input PTO shaft option

2012 Changes:

- Standardized on the CV equipped input shaft
- 100 hour greasing interval PTO shaft

2013 Changes:

- New rubber dampened Belt Tensioner system
- Pro Lift-N-Turn feature
- 25% fewer grease fittings

2014 Changes:

- Maintenance free blade spindles

2015 Changes:

- Choice of **Green** or traditional **Red** paint

2016 Changes

- Automatic lock valve replaces manual ¼ turn lock valve for simpler operation
- New belt covers / new look

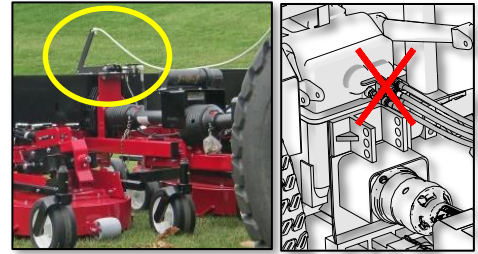
2018 Changes

- Maintenance free deck arm pivot with replaceable bushings
- Fixed deck arm mount reinforcement, double lapped plate
- Larger upper drive pulley bearing, maintenance free and simpler belt changes

KEY CHANGES

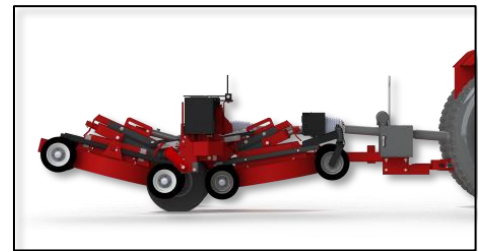
AUTOMATIC WING CYLINDER LOCK VALVE

To achieve the full contour following capability and enhance drive belt life, both wings must be 'locked' into the down or flat position whenever mowing. Starting at S/N 15272165B (2016), the wing hydraulic circuit includes an automatic lock valve to prevent unwanted movement of the wings during mowing. The automatic lock valve replaces the manual ¼ turn valve that was found on earlier models near the hose connection to the tractor (see illustration). This change simplifies the connection to the tractor as only two hydraulic hoses are required to run between the tractor and the mower. When the wings need to be raised or lowered, the operator simply uses the pull rope from the tractor's seat, which also releases the mechanical wing locks. The new **AUTOMATIC WING CYLINDER LOCK VALVE** makes operating the **Pro-Flex 120B** easier than ever before! For older mowers, an update kit (p/n 600600) is available.



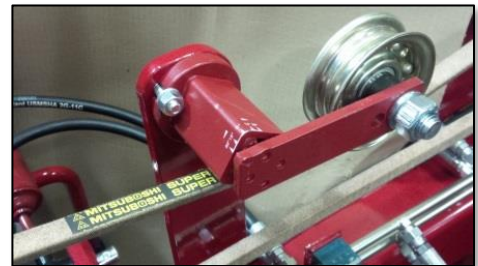
Easier to Operate Than Ever Before!

The industry exclusive **Pro Lift-N-Turn™** system is standard equipment on newer **Pro-Flex 120B**, s/n 13271777B and up (2013) and is a feature not found on other contour mowers. **Pro Lift-N-Turn™** allows the Operator to temporarily raise the decks slightly off the ground without stopping and with the PTO still engaged. Crossing a cart path or another minor obstacle has never been easier! Before engaging the PTO, the Operator can first lift the decks so the blades are above the uncut grass, reducing stress placed on the complete drivetrain. (Refer to the Operator's Manual for operating instructions.)



Automatic Drive Belt Tensioning

With the goal to lower ongoing maintenance costs, newer **Pro-Flex 120B** s/n 13271777B and up (2013) are equipped with rubber-damped, automatic belt tensioners, offering several cost saving benefits. Replacing the older spring type tensioner, all of the upper drive and deck belts are tensioned using a maintenance free rubber-damped, automatic tensioner. Field proven over several years, this type of belt tightening provides more consistent tension as the belts 'seat-in', further increasing belt durability and life; allowing Progressive to achieve the mandate of lower operating costs. All of the spring type belt tensioners used in the past have been eliminated, so there are now fewer moving parts for greater long term reliability.



Lowering the Cost of Routine Maintenance

Newer **Pro-Flex 120B**'s s/n 13271777B and up (2012) are equipped with PTO shafts that feature a 100 hour lubrication interval to lower routine maintenance costs. With the introduction of the automatic belt tensioners, there are over 25% fewer grease fittings than on previous models and only one daily grease fitting!

Starting at s/n 14271965B (2014) **MAINTENANCE FREE BLADE SPINDLES** were introduced on all Pro-Flex's, further reducing routine maintenance and increasing peace of mind.



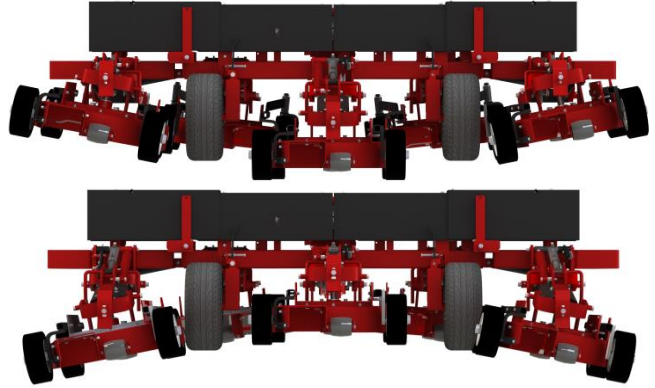
Combining the reduction in grease points with the 100 hour PTO shaft greasing interval, the Pro-Flex 120B offers peace of mind – gone is the fear that a missed service point by un-familiar maintenance personnel will render the mower out of service and put grounds maintenance behind schedule.

WHAT HASN'T CHANGED

Regardless of the age, a **Pro-Flex** has several standard features that are very important on a pull-behind contour mower, but are also only available from Progressive. Features such as: dedicated shock absorbers on each independent floating deck to minimize deck bounce as the mower travels over un-even ground; a unique 4-way rotating clevis allows the tractor and mower to traverse uneven terrain without affecting one another; a conventional style drawbar design that makes turning and reversing feel more familiar and easier for the Operator, and a low tongue weight and easily handle PTO shaft making connection to the tractor easy.

Contour Mowing

5 independently floating decks give the **Pro-Flex 120** the flexibility required to track changing ground conditions commonly found on golf courses or corporate campuses that are not suited for traditional mowers. The decks float 6-ways: fore and aft, left and right as well as up and down, independently of the main frame as they follow changing terrain. The 4-way swivel hitch isolates the tractor from the mower allowing truer contour tracking. Unique to the **Pro-Flex 120** and incorporated into each deck is a "walking beam" assembly that ensures full contact with the ground at all times by all four deck wheels. This allows each deck to more accurately track contour changes - the result is a superior cut.



Versatile - A Fairway and a Rough Mower in One

The **Pro-Flex 120** is equally at home as a fairway or rough mower. With the ability to cut as low as 1" and height adjustment that is easy to set on each deck, Superintendents can allocate the **Pro-Flex 120** to where it is needed - enhancing both its utilization and value.

A **Pro-Flex 120B** is more tolerant to exposed tree roots and obstacles than other mowers. It can be used in areas where reel type mowers or mowers with small diameter rollers can't be used for fear of expensive equipment damage.



Easy Changed Height Adjustment

To help speed play; a Superintendent may specify multiple mowing heights on a single mower to create a 'transition' or a 'First Cut' between the fairway and rough. Enter the **Pro-Flex 120B**. The cutting height can easily set independently on each deck of the **Pro-Flex 120B** with just three bolts. Setting the cutting height easily also gives the flexibility to change mowing heights as conditions or mowing locations change. And there isn't a need for the time-consuming task of first levelling all the decks as a single unit, a requirement of a competitor's mower. Other pull-behind contour mowers cannot do this.

Now that's Progressive thinking!



Drawbar Design

Unlike other pull-behind contour mowers, the **Pro-Flex** drawbar pivots close to the tractor so the mower tracks truer behind the tractor, producing straighter cut lines and a professional after cut appearance. When reversing, this design also allows the **Pro-Flex 120B** to act like a familiar trailer. This superior control is important when reversing around trees or blowing leaves for a clean rough – and the result is a more productive Operator throughout the day.

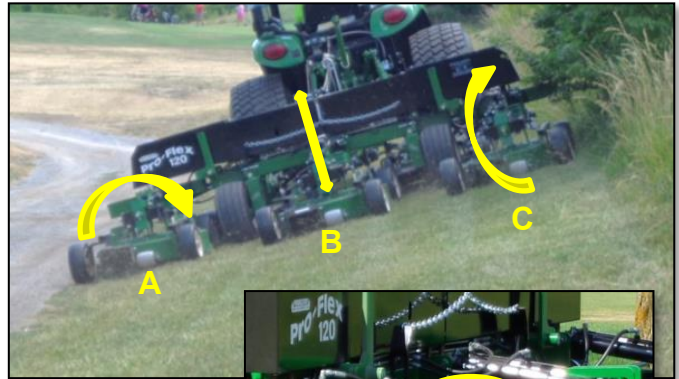


Independent floating decks

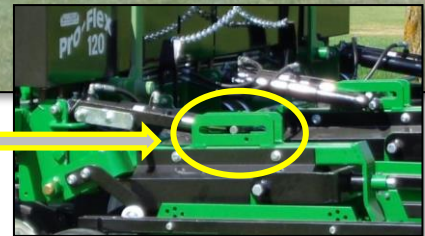
Each of the five decks float 6 –ways, and floats independent of the other decks:

- A) Tip side to side,
- B) Move up and down
- C) Tilt fore and aft

Contour following is achieved through the design of the 6-way float capability and independent deck suspension



Always fully extend the deck cylinders prior to operation



4-WAY ROTATING CLEVIS

The 4-way Rotating Clevis allows the tractor and mower to traverse uneven terrain without affecting one another

- ✓ The result is an even cut - no matter what the grounds conditions might be
- ✓ For easy a one-man connection; place the hitch pin in the clevis as shown. Now that's attention to detail!



Red or Green? It's Your Choice.

Progressive is now offering **Pro-Flex 120B's** painted industry green. Appealing to a Superintendents focus on course aesthetics, the green paint offers a 'complete package look' as historically over half of all **Pro-Flex 120's** sold since 1999 are pulled by a green tractor. Other than the color, the features and specifications of a **GREEN Pro-Flex 120B** are exactly the same as a **RED Pro-Flex 120B** contour mower. It's your choice.



Pro-Flex 120B: It is all about **ADDED VALUE!**

The **Pro-Flex 120B** is all about providing added value to the owner, at time of purchase and over the long term. The simplicity and low operating cost of a utility tractor and **Pro-Flex 120B** combination is a key advantage. Requiring about half the horsepower of a similar width Tier 4 self-contained ride-on mower, the combination of a tractor and a **Pro-Flex 120B** directly translates to a large savings in fuel cost, year-after-year. Unlike a self-contained unit, the **Pro-Flex 120B** offers increased equipment utilization as the tractor can be used for other tasks when not required for mowing. This further lowers the total cost of ownership. Add-in no daily maintenance and the superior cut quality, makes it easy to see why the **Pro-Flex 120B** is the first choice of leading Superintendents nationwide.



“This is our 5th Pro-Flex!”

Since 2001, Sunningdale has purchased five Pro-Flex's on a rotating basis. *“We use two mowers at a time and we put on about 1,000 hours per season on each of them. It is their reliability and quality of cut that makes us and our members happy.”*

Tim Webb, CGSA, AGS, Course Superintendent,
Sunningdale Golf and Country Club, London, Ontario
Two 18-hole championship courses and host to the 2014 PGA TOUR CHAMPIONSHIP of CANADA

Tim is not alone.
Many 36 hole courses run 2
Pro-Flex's at the same time.
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