

CLASSIC XP™ CUTTING SYSTEM

**The Most Precision Engineered
Reels in the World™ Now Feature
Advanced Relief Technology™**



LF-3800™



Eclipse™ 122



Greens King™ IV



SLF-1880™



G-Plex™ III



JACOBSEN®
A Textron Company

When Performance Matters.™

Advanced Relief Technology™ represents the next evolution of performance.

JACOBSEN® CLASSIC XP™ CUTTING SYSTEM



Welded steel frames outperform fastener type designs that loosen and rattle.

PROVEN DESIGN

The Jacobsen® cutting system was designed from the ground up for perfect geometry and superior turf conditions. Sixty-seven points of unique geometry have been perfected over the last 30 years at PGA tournaments world-wide. The interplay between the frame, reels, bedknives, pull points, rake to blade angles and many other features are the reason why Jacobsen® is number one in quality of cut in the market.



Each reel is inspected by skilled professionals to tolerances of 0.0015.

PRECISION ENGINEERING AND TUNING

The Jacobsen® Classic XP™ Reels also feature the ultimate standard in precision with tighter tolerances through flatness and run-out (concentricity). Flatter reel blades eliminate the need to re-grind and reduce overall set-up time. The run-out defines the reels' ability to stay true and maintain consistent rotation within its center point. Jacobsen® holds the tightest and most consistent specification for run-out.



Jacobsen invested more than \$1.5 million into advance relief technology systems.

ADVANCED RELIEF TECHNOLOGY™

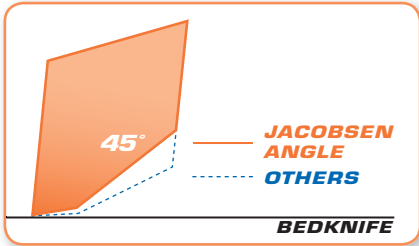
The Jacobsen® Classic XP™ Reels now feature Advanced Relief Technology™ that provides increased durability, reduced wear and extended life. The Advanced Relief Technology™ edge allows you to maintain sharper reels with less labor. All reels now have a relief angle of 45 degrees which significantly extends the life of the blade prior to your first spin grind. Also, the face angle of the blade has been optimized for less wear and abrasion. The Jacobsen® grinding process yields the best blade surface and delivers up to three times more spin grinds than generic aftermarket blades.

PERFORMANCE ADVANTAGES

Category	Feature	Benefit
Maintenance	Reels are flatter and have truer run-out	Requires less set-up time
Maintenance	Blades are more durable	Reels don't wear as fast, reducing periodic adjustments Users get up to 3 times as many spin-grinds before exhausting the relief angle
Maintenance	With improved geometry the blade stays wider longer	Bedknife life is increased
Quality of Cut	Blades stay sharper longer	High quality of cut is maintained for longer periods of time because the reels stay in adjustment longer (less wear)
Quality of Cut	Reels are flatter, have less taper and greater run-out	High quality of cut maintained for longer periods of time across the width of the reel
Power Requirements	With improved geometry the blade stays wider longer	Thinner tip reduces friction, subsequently reducing power requirements

THE ADVANCED RELIEF TECHNOLOGY DIFFERENCE

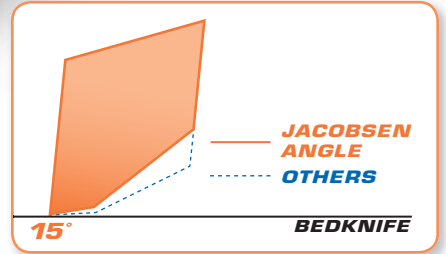
- ✓ Improved Angles
- ✓ Increased Durability
- ✓ Tighter Tolerance



45° Relief Angle: Users get up to 3 times more spin grinds with this aggressive new blade design.

Advanced Relief Technology™ will backlap faster and cause less wear to the cutting system.

15° Face Angle: Eliminates the need for grinding before installation. This new angle also allows the reel blade to stay sharp significantly longer.

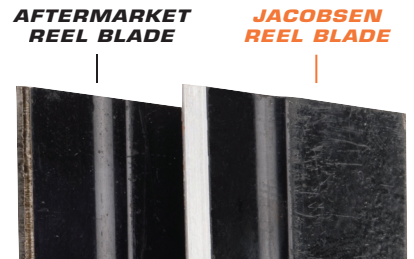


Each blade is individually ground for better process control and consistency in quality of cut.

High quality of cut is maintained for longer periods of time due to superior run-out.

Jacobsen reels are flat to the bedknife to less than .001 inch.

Dark spots on the aftermarket blade indicate overheating during the grinding process. With overheating, the metal is prone to “flake off,” resulting in early failure. Advanced Relief Technology™ prevents overheating, which extends blade life.



JACOBSSEN® CLASSIC XP™ CUTTING SYSTEM

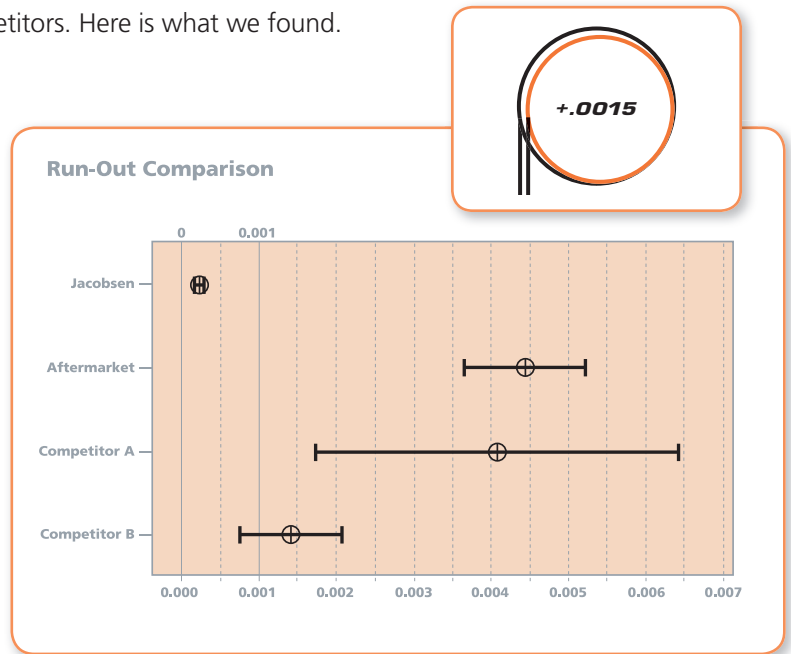
THE JACOBSSEN® CLASSIC XP™ REEL DIFFERENCE

Two of the most important ways to measure critical dimensions for reels are run-out and flatness. Run-out is a measure of how true the reel is to holding a perfect cylindrical shape (less is better). Flatness is the measure of parallelism of the reel face to the bedknife. A reel that is more true out of the box will take less time to setup and last longer because it requires less grinding to bring it into shape.

We measured a random sample of reels from 3 competitors. Here is what we found.

- **Run-out:** The next closest competitor (on average) had 10 times more run-out than the Jacobsen reel. The Jacobsen® reel was the only reel that could hold a variance of less than .001 (inches) – every time!
- **Flatness (across the bedknife):** 100% of Jacobsen’s reels were flat to the bedknives to less than .001 inch (one on thousandth of an inch); no other sample competitor reel came within 20% of that tolerance.

Non-Jacobsen reels were not only found to have lower average numbers for flatness and run-out, but the amount of variation was much larger than a Jacobsen reel. So while you may get one non-Jacobsen reel among five that are within specification, the remaining reels could be very, very bad.



REPLACEMENT REEL CYLINDERS

Diameter (inches)	Width (inches)	Number of Blades	Part Number	Application
5	18	11 Blade	4170202	Eclipse 118/118F
5	18	11 Blade	5000095	GK518
5	18	8 Blade	4119512	SLF-1880
5	18	11 Blade	4119513	SLF-1880
5	22	11 Blade	5000148	GK522
5	22	9 Blade	2500575	PGM22
5	22	11 Blade	5002605	PGM22
5	22	9 Blade	5001099	GK IV (Left), G-Plex III, E-Plex
5	22	9 Blade	5001100	GK IV (Right), GK V, GK VI
5	22	11 Blade	5001101	Eclipse 122F, GK IV (Left), G-Plex III, E-Plex

Diameter (inches)	Width (inches)	Number of Blades	Part Number	Application
5	22	11 Blade	5001102	GK IV (Right), GK V, GK VI
5	22	11 Blade	4172945	Eclipse 122, E-Walk
5	26	7 Blade	4170203	Eclipse 126
5	26	11 Blade	5000416	GK526
5	26	7 Blade	5003652	GK526
5	22	7 Blade	5003053	G-Plex III, E-Plex, LF-128 (Left), LF-3400 (Left), LF-4675 (Left)
5	22	7 Blade	5003054	GK V, GK VI, LF-128 (Right), LF-3400 (Right), LF-4675 (Right)
7	22	9 Blade	2810471	LF-135, LF-3800, LF-4677
7	22	11 Blade	2810472	LF-135, LF-3800, LF-4677

