

BRUNSWICK TECHNOLOGY VENTURES



BAGS

APPEARANCE

BAGS



MAXIMUM PERFORMANCE POTENTIAL

VIOLET HOOK

FOREST GREEN

THE FIRST BALL IN
HISTORY WITH A HOOK
POTENTIAL OF 17.

THE FIRST BALL
IN HISTORY WITH

DYNAMIC CONSISTENCY ACROSS ALL WEIGHTS.
WE CHANGED THE PHYSICS OF THE GAME.
AND TOOK BOWLING TO A NEW LEVEL.
WE'RE QUANTUM®. THE HARDEST-HOOKING,
BEST-PERFORMING BALLS IN BOWLING.



VIOLET HOOK

60-101896
12-16 lbs.
Hook Potential 17/9
[Dull/Shiny]
Length 1.5 • Backend 10

The highest Hook Potential of any ball in bowling. The Violet Hook's extreme hooking action, early roll, and strong back-end reaction allow it to change direction and hook when other balls continue to skid. Best on heavy oil. Three-component design with two-piece, compound core for 12, 13, 14, 15 & 16 pound balls.



FOREST GREEN

60-101448
12-16 lbs.
Hook Potential 15 / 8
[Dull / Shiny]
Length 4 • Backend 10

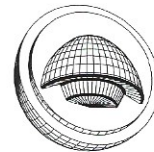
The Forest Green Quantum delivers a sudden, powerful back-end reaction with center-heavy action and a high track flare potential for consistent performance on medium and oily lanes. Two-piece design for 15 & 16 pound balls • Three-component design with a two-piece, compound core for 12, 13 & 14 pound balls.



AQUA MARINE

60-101650
12-16 lbs.
Hook Potential 14 / 7
[Dull / Shiny]
Length 5 • Backend 8.5

The Aqua Marine's polished cover stock provides good skid through the heads for a length characteristic between the Forest Green and Midnight Blue Quantums and a smooth back-end reaction. Two-piece design for 16 pound balls • Three-component design with a two-piece, compound core for 12, 13, 14 & 15 pound balls • Pearlized, "tempered reactive" cover stock.



MIDNIGHT BLUE

60-101452
12-16 lbs.
Hook Potential 14 / 7
[Dull / Shiny]
Length 7 • Backend 9

The Midnight Blue Quantum's cover-heavy design delivers extreme length and an explosive back-end reaction. Three-piece, multi-density design with a two-piece compound core for 12, 13, 14, 15 & 16 pound balls.

**DURABLE,
VERSATILE,
ESSENTIAL.**
QUANTUM BAGS ARE
THE PERFECT

COMBINATION OF
LUXURY AND
USEFULNESS, WITH
ADDED STORAGE SPACE
AND EXTRA PROTECTION
FEATURES IN LEATHER
AND NYLON DESIGNS.

QUANTUM LEATHER BAG

59-103870

100% top grain leather • Two molded foam ball compartments and side zipper pockets hold two Quantum balls plus shoes and accessories • Double stitched for added strength • Italian brass accents with swivel-jointed shoulder strap clasps • Adjustable, shaped shoulder strap for more comfort and less slippage • Specially treated for color retention and enhanced water and stain resistance • Embroidered Quantum logo.

QUANTUM NYLON BAG

59-103871

Four bags in one • Includes two removable mini-tote bags, each with embroidered Q logo • Includes removable zippered accessories bag • 1800 Denier Ramie Polyester • All sewn-in foam lining • Double stitched for added strength • Extra padded and reinforced grip handle • Dual interior pockets • Large zippered exterior pocket • Embroidered Quantum logo on three sides.



Quantum
Leather
Bag

Quantum
Nylon Bag



STYLE & COMFORT. QUANTUM RAISES THE STANDARD IN BOWLING APPAREL WITH STYLISH, PRACTICAL DESIGNS THAT FIT AND FEEL AS GOOD AS THEY LOOK.

QUANTUM BODY BLOCK POLO

61-860617

100% Cotton Two-Tone D2 Heather Pique
 • Asymmetrical Body Block • 3-Button Placket • Solid Trim • Stone Buttons
 • Top-Stitched Armhole.
 Azure / Ash
 Sizes S-XXL

QUANTUM SOLID POLO

61-860618

100% Cotton D2 Pique • Contrasting Heather Placket • End-On-End Striped Trim • 3-Button Placket • Stone Buttons
 • Striped Heather Trim • Full Cut.
 Azure / Ash
 Sizes S-XXXL

QUANTUM V-NECK PULLOVER

61-860619

85% Cotton / 15% Polyester Pique Fleece V-Neck • Herringbone Textured Striped Trim.
 Natural with Black & Azure Trim
 Sizes S-XXL

QUANTUM TEE

61-860670

90% Cotton / 10% Polyester • Full Cut
 • Quantum Logo.
 Ash
 Sizes S-XXL

APPAREL

QUANTUM JACKET

61-860671

100% Supplex™ Waterproof Shell • 100% Nylon Liner • Knit Cuff & Waistband
• Full Zip-Through Collar & Storm Flap.
Black / Navy / Plum
Sizes S-XXL

QUANTUM LADY POLO

61-860675

100% Combed Cotton Oxford Pique
• 3-Button Placket • Metal Buttons
• Double-Raised Welt Striping Trim
• Top-Stitched Shoulders & Armholes
• Drop Tail • Full Cut • Ladies' Sizing.
Lilac / Cream
Sizes S-XL

QUANTUM LADY SWEATSHIRT

61-860676

50% Cotton / 50% Polyester
• Heavyweight 9 oz. Fleece • Crew Neck
• Double Needle Stitching on Neck,
Sleeves & Waist.
Natural
Sizes S-XL

A P P A R E L

Quantum Jacket

Quantum
Lady Polo

Quantum Lady Sweatshirt

Quantum Towels

Quantum Wool Hat

Quantum Twill Hat

QUANTUM TOWELS

Burgundy • 61-860521
Navy • 61-860522

16" x 26" • 100% Cotton Loop
• Sculpted Quantum Logo.

QUANTUM WOOL HAT

61-860672

6-Panel, Natural Wool Crown
Visor & Sewn Eyelets
• Contrasting Button
• Adjustable Back.
Natural / Plum

QUANTUM TWILL HAT

61-860673

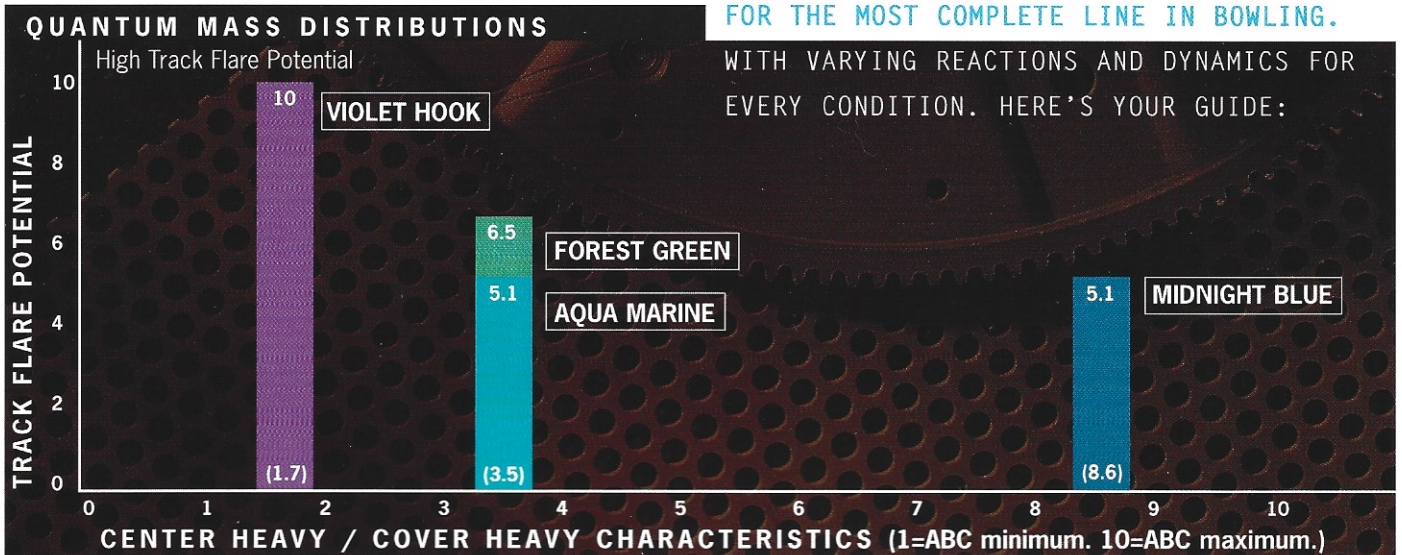
6-Panel, Natural Twill Crown
• Contrasting Visor, Button &
Sewn Eyelets • Adjustable Back.
Natural / Navy

Quantum is used under license from Milady Sportswear.

QUANTUM: THE PERFECT LINE.

THE PERFECT BALL? IT CHANGES. FROM LANE TO LANE. FROM GAME TO GAME. BECAUSE DIFFERENT CONDITIONS DEMAND DIFFERENT CHARACTERISTICS. THAT'S WHY QUANTUM OFFERS FOUR DISTINCT DESIGNS. FOR THE MOST COMPLETE LINE IN BOWLING.

WITH VARYING REACTIONS AND DYNAMICS FOR EVERY CONDITION. HERE'S YOUR GUIDE:



QUANTUM BALL REACTION GUIDE				BALL REACTION		CORE DYNAMICS		
Ball	Cover Stock	Cover Stock Preparation	Hook Potential (dull-shiny)	Typical Length	Typical Back-end Reaction	Center Heavy / Cover Heavy	Track Flare Potential	Comment
Violet Hook	HR	320 grit	17-9	3	10	1.7	10	Early change of direction, maximum hooking action.
Forest Green	HR	320 grit	15-7	4	10	3.5	6.5	Medium length, strong backend.
Midnight Blue	HR	320 grit	14-6	6	9	8.6	5.1	More length than Forest Green.
Aqua Marine	HR	Highly polished	14-6	5	8	3.5	5.1	Length between Forest Green and Midnight Blue. More gentle backend.

Cover Stock

Specifies the type of material used for the ball's cover: Highly reactive, Urethane or Plastic.

Cover Stock Preparation

Describes the way the ball is finished. The last grit of sandpaper used on the ball will be listed (320 or 400 or 600 grit) along with the amount of polishing, if any.

Hook Potential

Describes the potential a ball has to hook. Until recently, hook potential was rated on a scale of 1 to 10 (1=low hook potential, 10=high hook potential). Now it's rated on a scale of 1 to 20 to accommodate extreme hook potentials like the Violet Hook, (the first and only ball to reach a hook potential of 17). Bowling balls do not hook by themselves, they hook in response to the forces a bowler applies at release (speed/direction and rate of rotation) and the lane conditions encountered. Hook potential ratings

are given as a range that represents the maximum and minimum hook potential of the ball.

Note: Hook Potential ranges are for dull and shiny balls (dull=320 grit, shiny=high gloss).

Typical Length

Rated on a scale of 1 to 10 (1=earliest reaction, 10=most delayed reaction), describes how quickly the ball will change direction.

Typical Back-end Reaction

Rated on a scale of 1 to 10 (1=least reactive, 10=most reactive), describes relative back-end reaction when balls are laid out and finished the same.

Note: Length and Back-end specifications are based on comparisons with all balls finished and laid out the same. Balls rolled with dissimilar surface preparations and layouts may have relative reactions that are different than those specified on the chart.

Track Flare Potential

Rated on a scale of 1 to 10 (1=low track flare potential, 10=high track flare potential), indicates the change in track flare as the pin is moved from low to high track flare positions on the ball. A ball with a higher track flare potential will change its reaction and track flare more as the pin is moved to different positions on the ball.

Center Heavy / Cover Heavy

Rated on a scale of 1 to 10 (1=most center heavy, 10=most cover heavy), describes the mass distribution within the ball.

Note: Track Flare Potential and Center Heavy/Cover Heavy specifications are related to the core design. They do not take into account the contribution of the cover stock and should not be used to predict ball reaction.

CHALLENGE

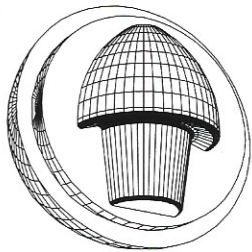
CONVENTIONAL

THINKING

Only Quantum brings form and function together with the perfect blend of performance and prestige. In balls with the leading core and cover stock technology. In apparel and

accessories of uncompromising style and sophistication. In a complete line that challenges conventional thinking.

This is Quantum:



THE MUSHROOM CORE

THE MUSHROOM CORE

Pioneered by Quantum. Patent-pending, computer-derived variations allow the Quantum line to deliver hook characteristics for a wide range of bowling styles and lane conditions.

DYNAMIC INTEGRITY

Only Quantum offers this patent-pending feature: lightweight balls with the same reaction potential as heavier balls.

HOOK

The Violet Hook Quantum is the only ball to ever reach a hook potential of 17.

BRUNSWICK TECHNOLOGY VENTURES (BTV)

A division of Brunswick. Free to pursue cutting-edge design, but backed by the full knowledge and resources of over 150 years of unrivaled industry leadership. Visionary products and performance, rooted in a century-old commitment to customers. Advantages no one else can offer.

TESTING & TECHNOLOGY

BTV employs the most advanced, computer-aided design technology. Then we test it. With the industry's largest staff of touring professional bowlers.

KNOWLEDGE & EXPERTISE

Not everyone can sell Quantum. Only dealers who meet strict BTV standards, in product knowledge and understanding of the sport.

SERVICE & SATISFACTION

As close as your phone. Call the Quantum Customer Information Line for tips on ball cleaning, tour updates and access to authorized dealers.

NEWSLETTERS. FREE PBA TOUR TICKETS. AND \$100 OFF THE COST OF BOWLING FANTASY CAMPS, WHERE YOU CAN LEARN FROM THE PROS. ONLY FROM BRUNSWICK TECHNOLOGY VENTURES.



P.O. Box 930/Muskegon, Michigan/49443-0930

Dealers: Contact your local authorized Quantum Distributor for more information.

Bowlers: Call the Quantum Customer Information Hotline at 1-800-269-5244 for the authorized Quantum Dealer nearest you.