

The rotation that

will revolutionize

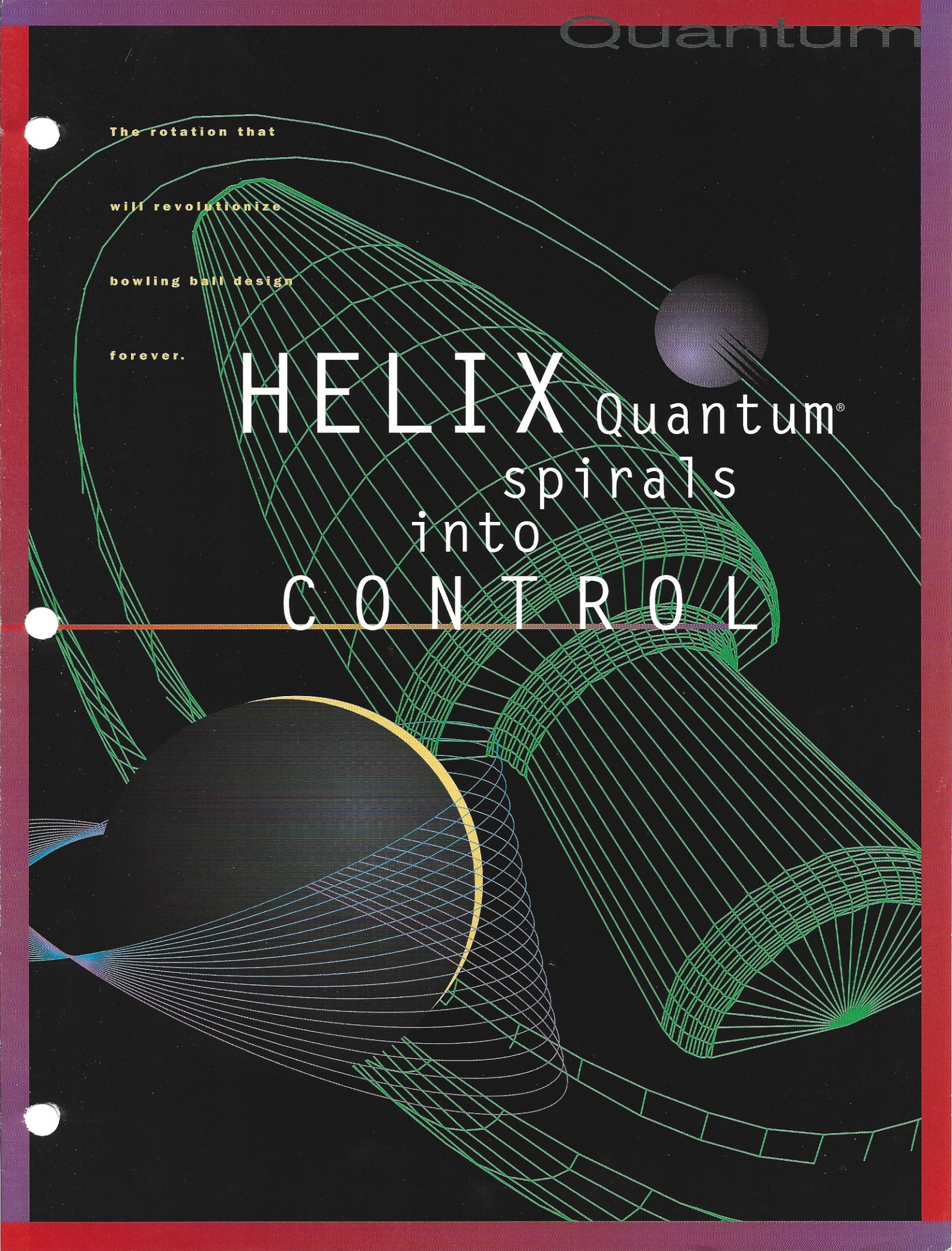
bowling ball design

forever.

HELIX Quantum®

spirals
into

C O N T R O L



The Spiral of HELIX

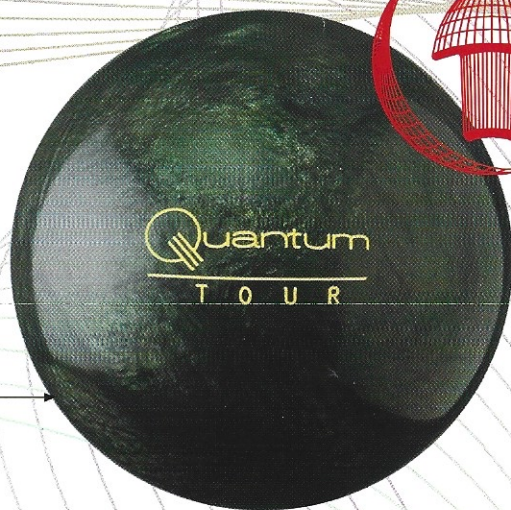
Quantum introduces **HELIX**, the first ball in the universe to roll on two complementary cover stocks. Innovators at Brunswick Technology Ventures (BTV) have developed a unique process that fuses a ring of **CONVENTIONAL** urethane within a sphere of **REACTIVE** urethane, maximizing the advantages of both. The result is a ball that can gauge hook— not only in terms of *how much*, but also *when* and *where*.

Its
mission
is **C O N**

Helix Quantum

Dual surfaces. Dual purposes. Initially, the ball rolls on the Power Stripe of conventional urethane, guiding it straighter through the heads and preventing it from overreacting early. Resistant to tracking, this cover stock is also less likely to absorb oil from the front end of the lanes. And releasing Helix onto its conventional urethane surface increases its long-term durability. As the ball continues its revolutions, it flares out to the reactive urethane which generates a more powerful backend reaction. Available in right or left hand models.

12-16 lbs. • Hook Potential 17-9 (Dull/Shiny) • Length 7 • Backend 9.5



Sage Tour Quantum

New reactive urethane formulation gives this special Tour edition a longer roll and an even later-breaking hook. Also, backend hits a new high.

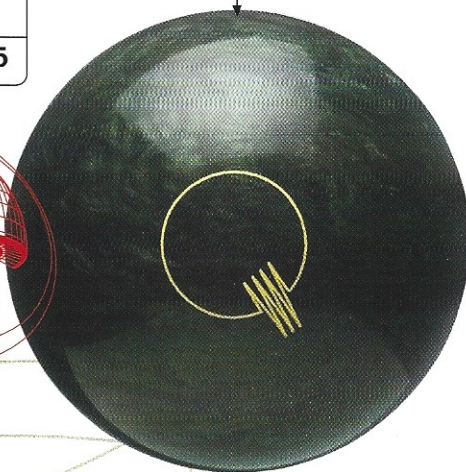
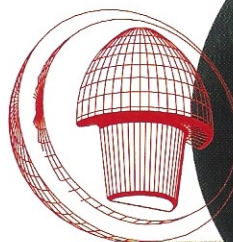
12-16 lbs. • Hook Potential 18.5-9.5 (Dull/Shiny) • Length 4-5 • Backend 11

Sage Quantum

The most reactive cover stock to date. The most explosive core design yet. And the most hook ever. Period. Sage Quantum brings "The Best of..." ball qualities to a single sphere—challenging the outer limits of hook potential and taking backend reaction *literally* off the chart.

12-16 lbs. • Hook Potential 19-11 (Dull/Shiny) • Length 1-2 • Backend 10.5

T R O L



Condensity Technology

A process that compresses a reactive urethane formulation for an unsurpassed coefficient of restitution. Or, simply said, pin carry with the momentum of a runaway train.



Flow-Thru Core *

This patent-pending process virtually eliminates core separation, allowing the Quantum line to deliver hook characteristics for a wide range of bowling styles and lane conditions.

*Available in all 2-piece Quantums. Consult your Authorized Quantum Dealer for specifics.



Dynamic Integrity

This patented Quantum concept gives lightweight balls the same reaction potential as heavier ones. Developed by Brunswick Technology Ventures (BTV).



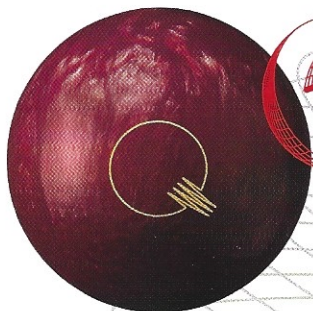
Authorized Quantum Dealers

Only the most exceptional dealers can measure up to BTV's strict set of standards.

Core insets shown are for 16 pound Quantum designs.



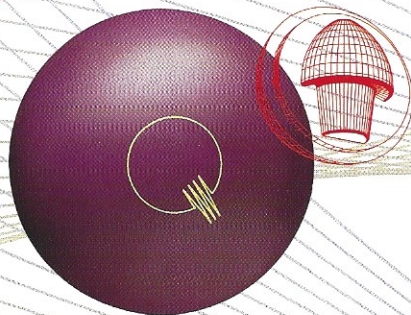
We stand
 behind
 Quantum
 product.
 Warranties on
 all Quantum
 balls and
 accessories will
 be honored
 through
 Authorized
 Quantum
 Dealers only.



**Fire
 Quantum**

For pure Fire power, this one starts out clean through the front, stronger on the back, with powerful hook and unstoppable momentum.

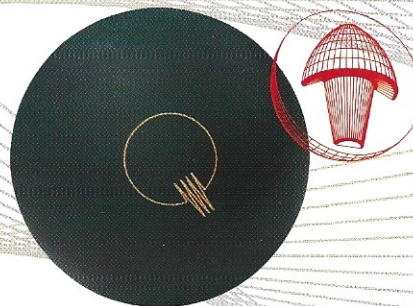
12-16 lbs.
Hook Potential 17-9
(Dull/Shiny)
Length 4.5
Backend 10+



**Violet Hook
 Quantum**

Extreme hooking action, early roll, and strong backend reaction allow Violet Hook to change direction and hook when other balls continue to skid. Best on heavy oil.

12-16 lbs.
Hook Potential 17-9
(Dull/Shiny)
Length 1.5
Backend 10



**Forest Green
 Quantum**

Expect a sudden, powerful backend reaction with center heavy action and a high track flare potential for consistent performance on medium and oily lanes.

12-16 lbs.
Hook Potential 15-8
(Dull/Shiny)
Length 4
Backend 10

Core insets shown are for 16 pound Quantum designs.

The Quantum Range

Quantum has a model to maximize every set of variables and lane conditions. Use this ball reaction guide to determine your most effective Quantum.

BALL	BALL REACTION					CORE DYNAMICS	
	Cover Stock	Cover Stock Preparation	Hook Potential (dull/shiny) (1-20)	Typical Length (1-10)	Typical Backend Reaction (1-10)	Center Heavy Cover Heavy (1-10)	Track Flare Potential (1-10)
Helix <i>(w/Power Stripe)</i>	Reactive/Conventional	Polished	17-9	7	9.5	2.7	10
Sage	Highly Reactive	Polished	19-11	1-2	10.5	1.7	10
Sage Tour	Highly Reactive	Polished	18.5-9.5	4-5	11	2.8	8.9
Fire	Highly Reactive	Polished	17-9	4.5	10+	3.2	7.6
Violet Hook	Highly Reactive	320 grit	17-9	1.5	10	1.7	10
Forest Green	Highly Reactive	320 grit	15-7	4	10	3.5	6.5

COMMENT

Helix Dual surfaces. Starts out straight on conventional urethane; flares out on reactive urethane for powerful backend.
Sage Breaks early with the highest hook potential available.
Sage Tour Breaks later, hooks harder.
Fire More length than Forest Green.
Violet Hook Early change of direction, maximum hooking action.
Forest Green Medium length, strong backend.

For the authorized dealer near you, call the Quantum Customer Information Hotline.



1 - 8 0 0 - 2 6 9 - 5 2 4 4