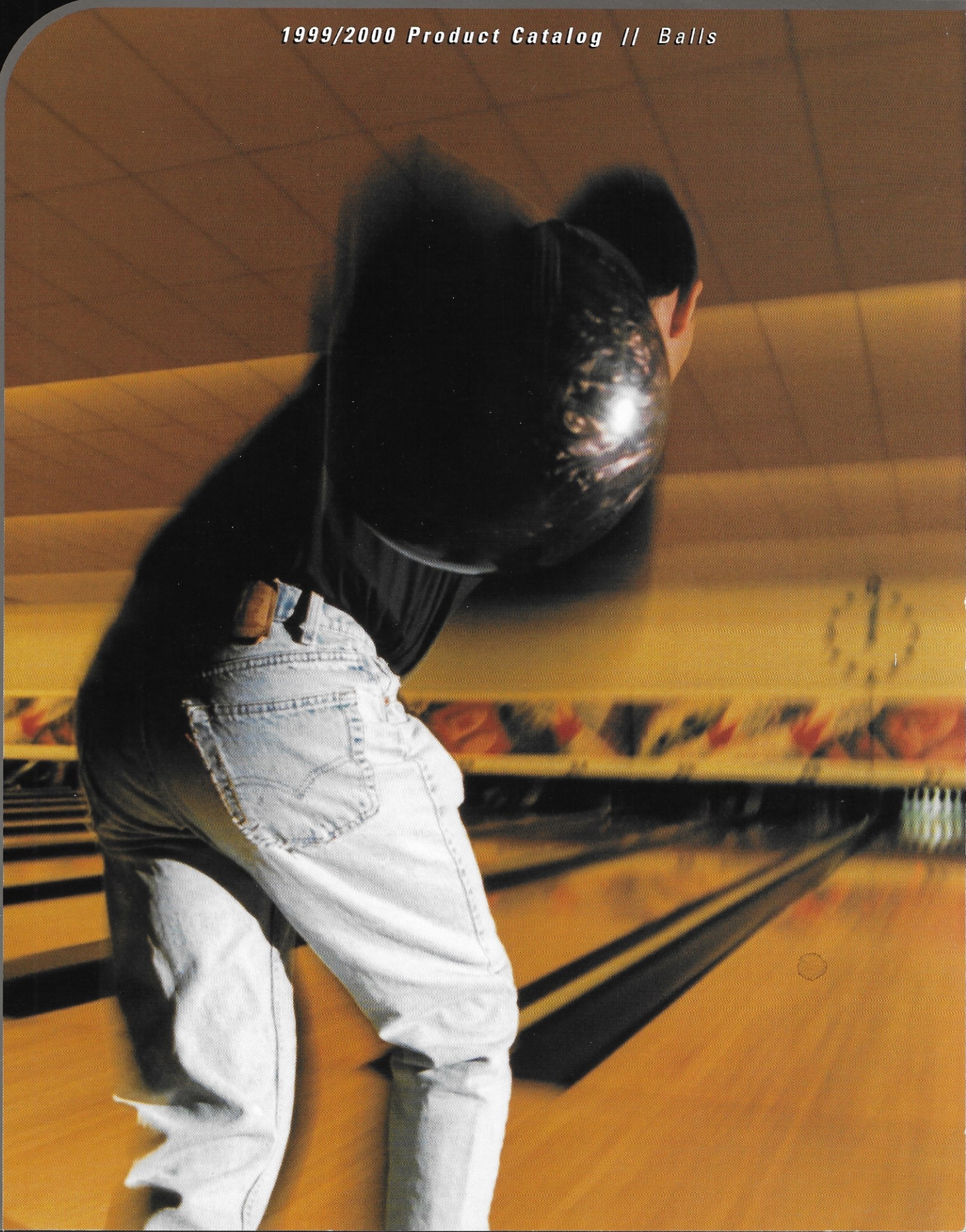


**EBONITE™**

**BOWL TO WIN™**

*1999/2000 Product Catalog // Balls*





*It's hard to decide who is more passionate about bowling. Ebonite or our Pro Staff. The line is blurred. We both demand only the most innovative technology. We both want to advance the game like never before. We both want to win.*

*One thing is for sure, however. When your customers choose Ebonite, they'll get the competitive edge.*

**Dave Wodka**

*Throws: Right  
PBA Perfect Games: 8  
1998 Earnings: \$43,798  
Career Earnings: \$202,558  
1998 Points List: 17th*

**Jason Couch**

*Throws: Left  
PBA Perfect Games: 13  
1998 Titles:  
Showboat Invitational  
1998 Earnings: \$95,205  
Career Earnings: \$520,672  
Other: 1993 Touring Players  
Championship, PBA Rookie  
of the Year (1992).  
1998 Points List: 9th  
1998 Top 24 Finishes: 6th*

**Tommy Delutz, Jr.**

*Throws: Right  
PBA Perfect Games: 15  
1998 Earnings: \$56,773  
Career Earnings: \$299,926  
1998 Points List: 10th  
1998 Top 24 Finishes: 5th*

**Ryan Shafer**

*Throws: Right  
PBA Perfect Games: 20  
1998 Earnings: \$77,270  
Career Earnings: \$454,610  
Other: PBA Rookie of  
the Year (1987).  
1998 Points List: 4th  
1998 Top 24 Finishes: 3rd*

**Kurt Pilon**

*Throws: Right  
Other: Joined March 1998.  
Headquarters Region Rookie  
of the Year, 1997/98 Team  
USA Member, 1997 ABC  
National Team Member.  
Regional PBA Title.*

**Doug Kent**

*Throws: Right  
PBA Perfect Games: 15  
Career Titles: 2  
1998 Earnings: \$72,820  
Career Earnings: \$562,816  
Other: ABC Masters (1991).  
1998 Points List: 3rd  
1998 Top 24 Finishes: 2nd*



*Your customers want to hit the lanes with all the energy and power they can get. They want to compete. They want performance. Ebonite gives them the winning edge.*

*We're fast becoming the leader in the industry with technology and innovations that are relevant to performance. And we painstakingly strive to create the best products in the world that actually help people bowl better games.*

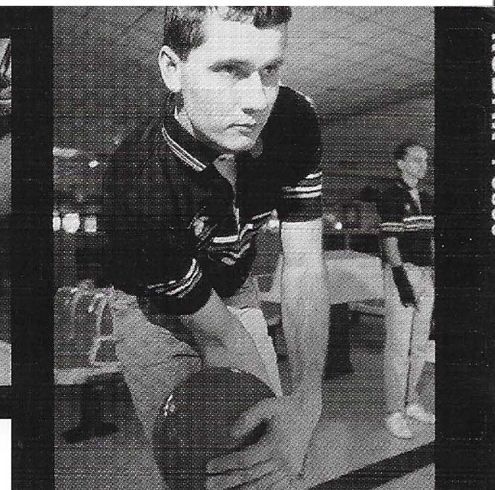
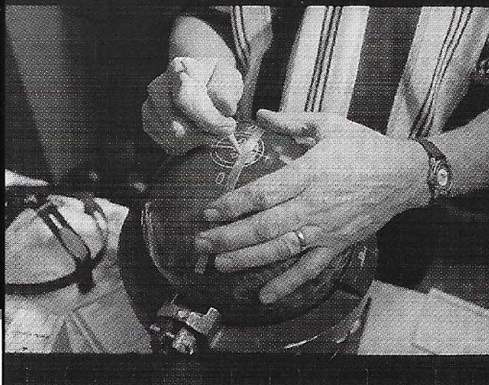
*With our ears to the lanes, we know what customers want and understand the desires of competitive bowlers at all skill levels.*

*In essence, we're just as competitive about making bowling equipment as our customers are about the game. And we intend to lead the industry with the kinds of products bowlers have been asking for.*

**Ebonite in 1999/2000**

# The Wave Series // and how to make them

These balls are the real deal. The Masters of Disaster. Designed for skilled bowlers who are convinced that their game can jump to another level, this series of balls can help them get there. Fast.



## Tidal Wave-Wipeout

**A** Style #029744 170  
Ebony

### Factory Finish

MegaBite™ Super Tack reactive veneer with an 800 grit cross-hatch sanded surface

### Flare Potential

High

### Best Lane Condition

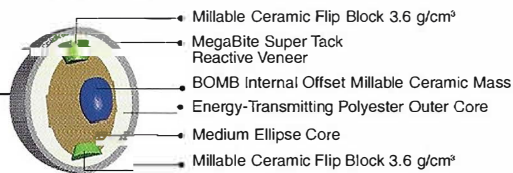
Medium to heavy oil with medium to heavy carrydown

### Hook Style

Early roll with medium flip

### Available Weights

10,\* 11,\* 12,\* 13,\* 14, 15, 16 lbs.



*10, 11, 12*

## Tidal Wave-Wipeout Sparkle

**B** Style #029744 606  
Navy/Green Pearl

### Factory Finish

Polished Super Tack Plus reactive veneer with PET particles

### Flare Potential

High

### Best Lane Condition

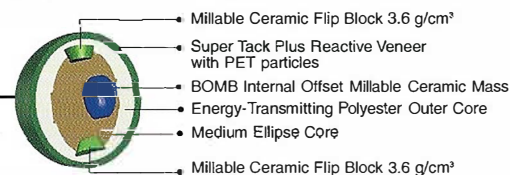
Medium oil with carrydown

### Hook Style

Medium length with strong backend

### Available Weights

10,\* 11,\* 12,\* 13,\* 14, 15, 16 lbs.



## Riptide

**C** Style #029744 729  
Purple

### Factory Finish

Polished Pro Reactive Resin™

### Flare Potential

High

### Best Lane Condition

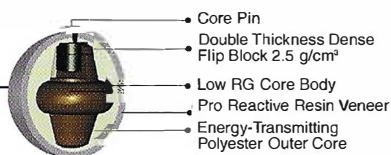
Heavy oil

### Hook Style

Early roll with strong arc

### Available Weights

14, 15, 16 lbs.



*All other 10, 11, 12, 13 are R<sup>2</sup> configurations*

## 8-Ball

**D** Style #029744 129  
Black

### Factory Finish

Polished MegaBite Super Tack II reactive veneer

### Flare Potential

High

### Best Lane Condition

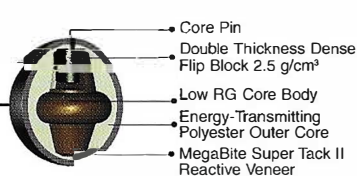
Medium to heavy oil

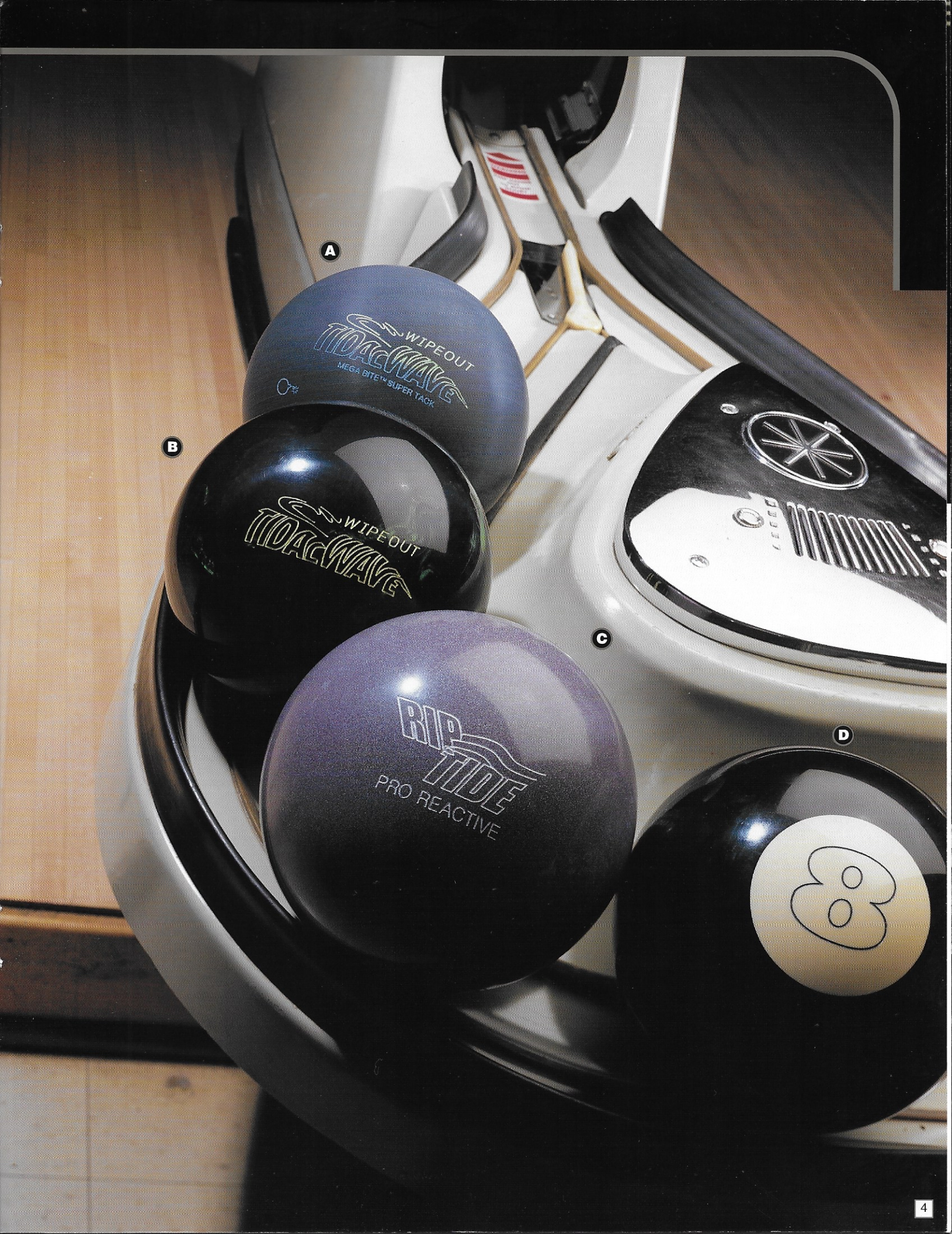
### Hook Style

Early rev with strong backend hook

### Available Weights

10,\* 11,\* 12,\* 13,\* 14, 15, 16 lbs.





A

WIPEOUT  
MEGA BITE™ SUPER TACK  
WAVE

B

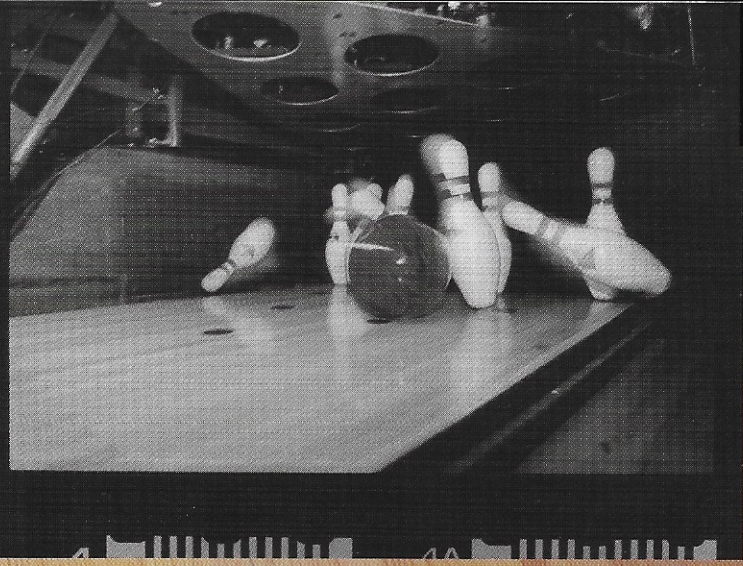
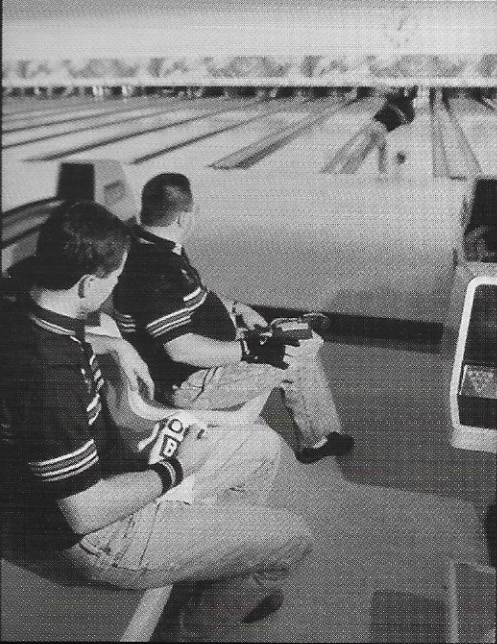
WIPEOUT  
WAVE

C

RIP TIDE  
PRO REACTIVE

D

B



# The Cat Series // some fine felines

These balls are for the passionate bowler who lathers at the thought of league night. He's aggressive, competitive and totally intense. He's looking for an affordable edge. Far be it for us not to give it to him.

## Puma

**A** Style #029744 409  
Hazel Pearl

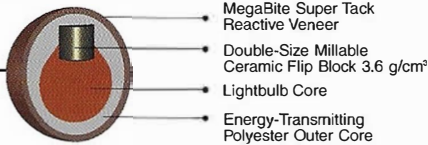
**Factory Finish**  
Polished pearlized MegaBite  
Super Tack reactive veneer

**Flare Potential**  
Medium

**Best Lane Condition**  
Medium oil with fresh to medium carrydown

**Hook Style**  
Early rev with strong arc backend

**Available Weights**  
10,\* 11,\* 12,\* 13,\* 14, 15, 16 lbs.



## Jaguar Sanded

**C** Style #029744 060  
Deep Purple

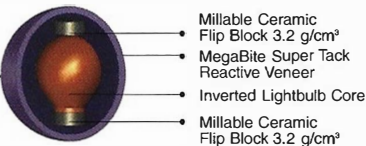
**Factory Finish**  
MegaBite Super Tack reactive veneer  
with an 800 grit cross-hatch sanded surface

**Flare Potential**  
High

**Best Lane Condition**  
Medium to heavy oil with medium to heavy carrydown

**Hook Style**  
Early roll with strong flip

**Available Weights**  
10,\* 11,\* 12,\* 13,\* 14, 15, 16 lbs.



## Cougar

**B** Style #029744 577  
Forest Green

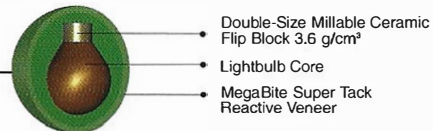
**Factory Finish**  
600 grit sanded MegaBite  
Super Tack reactive veneer

**Flare Potential**  
Medium

**Best Lane Condition**  
Medium oil with light to moderate carrydown

**Hook Style**  
Strong arc

**Available Weights**  
10,\* 11,\* 12,\* 13,\* 14, 15, 16 lbs.



## Wildcat

**D** Style #029744 885  
Midnight Blue

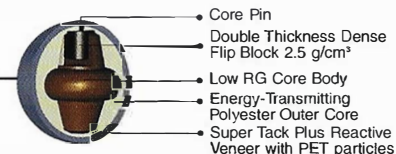
**Factory Finish**  
Polished Super Tack Plus  
reactive veneer with PET particles

**Flare Potential**  
High

**Best Lane Condition**  
Medium oil with carrydown

**Hook Style**  
Medium length with strong backend

**Available Weights**  
10,\* 11,\* 12,\* 13,\* 14, 15, 16 lbs.



\*Due to their lower weights, these balls have a modified core that still exhibits dynamic integrity and high performance characteristics.

## Stinger Pearl

**A** Style #029744 174  
Purple Pearl

### Factory Finish

Polished pearlized MegaBite reduced friction reactive veneer

### Flare Potential

High

### Best Lane Condition

Light oil with light carrydown

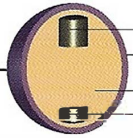
### Hook Style

Medium flip

### Available Weights

10,\* 11,\* 12,\* 13,\* 14, 15, 16 lbs.

Available in pin-in, pin-medium & pin-out designations



- Double-Size Millable Ceramic Flip Block 3.6 g/cm<sup>3</sup>
- MegaBite (RF) Reactive Veneer
- Full-Size Core
- Millable Ceramic Flip Block 3.6 g/cm<sup>3</sup>

## Stinger Solid

**B** Style #029744 757  
Navy Polished

### Factory Finish

Polished Detonator Plus reactive veneer

### Flare Potential

High

### Best Lane Condition

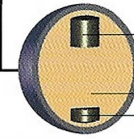
Light oil with fresh to medium carrydown

### Hook Style

Length with strong backend

### Available Weights

10,\* 11,\* 12,\* 13,\* 14, 15, 16 lbs.



- Double-Size Millable Ceramic Flip Block 3.6 g/cm<sup>3</sup>
- Detonator Plus Reactive Veneer
- Full-Size Core
- Millable Ceramic Flip Block 3.6 g/cm<sup>3</sup>

\*Due to their lower weights, these balls have a modified core that still exhibits dynamic integrity and high performance characteristics.

**A**

**B**

**C**



## The Stinger Series // as in "ouch!"

Beginners and novices? Not for long. When the Stinger grabs the boards, young and old beginners start rolling better while building their game.

## The Gyro Series // step on up

That little man inside your head is saying "I can do better." These balls will appease him. The Gyros help bowlers who are on their way to a better game improve their score with more control and better feel.



## Gyro® Reactive Resin™ Shiny Pearl

Gyros now have reactive veneer

- C** Style #029744 759, Red Pearl
- D** Style #029744 760, Green Pearl

### Factory Finish

Polished reduced friction reactive veneer

### Flare Potential

Low

### Best Lane Condition

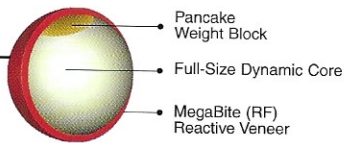
Light oil with fresh backends

### Hook Style

Length with medium backend

### Available Weights

10, 11, 12, 13, 14, 15, 16 lbs.



## Gyro® Sanded

- E** Style #29744 539, Purple Sanded
- F** Style #29744 936, Blue Sanded

### Factory Finish

360 grit sanded urethane veneer – Level I Symmetric Core

### Flare Potential

Low

### Best Lane Condition

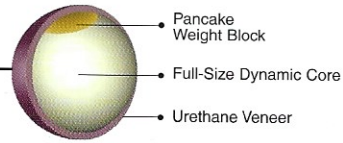
Medium oil with no carrydown

### Hook Style

Arc

### Available Weights

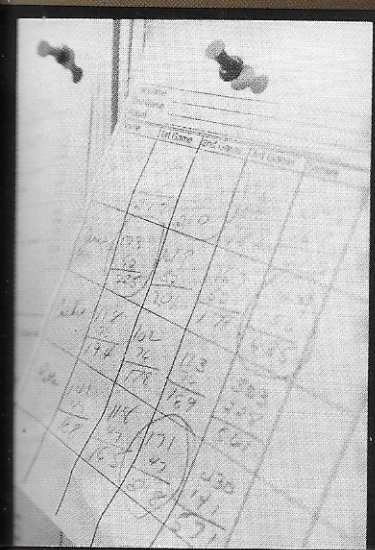
10, 11, 12, 13, 14, 15, 16 lbs.



**D**

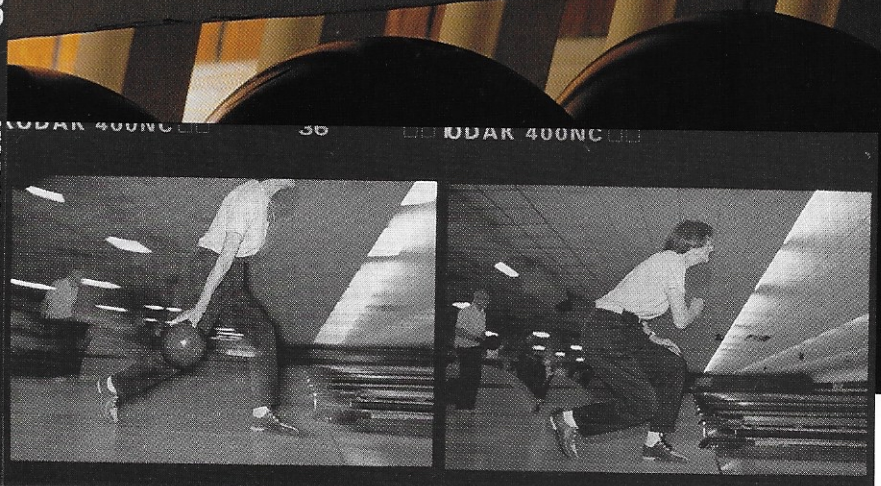
**E**

**F**



28

KODAK P1800

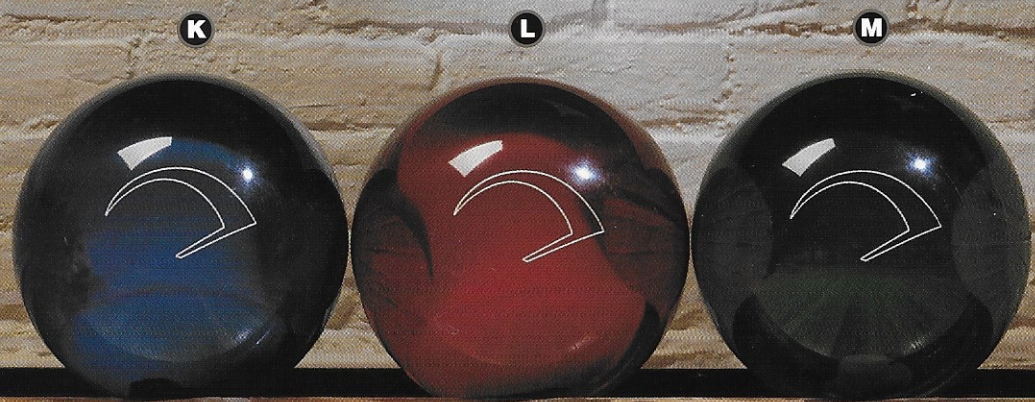




86 87 88 89 90



93 94 95 96 97



100 101 102 103 104

# The Maxim Series //

## fun for the whole family

Moms like Maxims. Pops like Maxims. Everyone can have a good time with these balls. We developed them for the recreational, social bowler who loves the game as well as the wallop these babies pack.

### Maxim®

- A** Style #029744 587, Teal/Violet/Red
- B** Style #029744 074, Navy/Maroon/Green
- C** Style #029744 636, Violet
- D** Style #029744 088, Silver
- E** Style #029744 639, Teal
- F** Style #029744 584, Electric Blue
- G** Style #029744 633, Royal Blue
- H** Style #029744 673, Peek-a-Boo Blue

### Maxim® Glow

Awesome, glowing versions of one of the most revered all-around performance balls in bowling.

- I** Style #029744 767 (Captain Fantasy), Red/Blue/Yellow
- J** Style #029744 766 (Captain America), Red/White/Blue

#### Factory Finish

Highly polished polyester veneer –  
Level 1 Symmetric Full-Size Power Core

#### Flare Potential

Low

#### Best Lane Condition

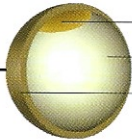
Light oil

#### Hook Style

Arc

#### Available Weights

6, 8, 9, 10, 11, 12, 13, 14, 15, 16 lbs.



- Pancake Weight Block
- Full-Size Dynamic Core
- Polyester Veneer

### Gemstone

- K** Style #029744 650, Sapphire Blue
- L** Style #029744 602, Ruby Red
- M** Style #029744 710, Emerald Green

#### Factory Finish

Polished translucent polyester with color tint

#### Flare Potential

Medium

#### Best Lane Condition

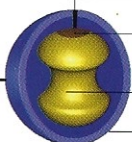
Dry to light oil, spare shooting

#### Hook Style

Straight

#### Available Weights

13, 14, 15, 16 lbs.



- Core Pin
- Flip Block
- Double Mushroom Core Body
- Translucent Polyester Veneer

# The Gemstone Series //

## they've got "wow" power

When they roll a Gemstone, they'll clean up the lanes. And look good doing it. This see-through series of balls was designed for those adventurous souls who like to break new ground. (And perhaps a few pins in the process.)



# Surface Friction Selection Chart

## Variable (Points)

Lane Condition	Bowler's Ball Speed	Bowler's Revolutions	Bowler's Axis Rotation (hand position at release)	Bowler's Axis Tilt (size of track)	Total Points and Recommended Surface Friction
Heavy Oil (3)	Faster (3)	Stroker (under 13) (3)	90° (3:00 hand release) (3)	Maximum (Small - under 9 1/2") (3)	15 pts. 320 grit sandpaper
Medium Oil (2)	Average (2)	Tweener (13 to 17) (2)	45° (4:30 hand release) (2)	Medium (Medium - 9 1/2" to 11") (2)	14 pts. Burgundy scuff-pad
Light Oil (1)	Slower (1)	Power (18+) (1)	10° (5:30 - 6:00 hand release) (1)	Minimal (Large - 11 1/2" to 13 1/2") (1)	13 pts. 400 grit sandpaper
					12 pts. 600 grit sandpaper
					11 pts. Grey scuff-pad
					10 pts. 600 grit RCS Polish
					9 pts. 900 grit RCS Polish
					8 pts. 1500 grit RCS Polish
					7-5 pts. 5000 grit RCS Polish

## Ebonite Ball Rating Matrix

Name	Color Factory Finish Type Of Veneer	Avg. RG Rating scale 1-10	RG Differential scale 1-10	Mass Bias Strength	Length (out of box) scale 1-10	Backend scale 1-11	Flare Potential (inches)	Overall Hook Rating (OHR) scale 1-23	Backend
Maxim series	Assorted Polished Polyester	6.39	1	0	10	1	1"	3 dull/1 shiny	arc
Zebra Stripes series	Polished Polyester	6.39	1	0	10	1	1"	3 dull/1 shiny	arc
Gemstone series clear	Translucent Tinted Polished Polyester	5.5	7.28	0.001	9.5	2.5	5"	5.5 dull/1.75 shiny	arc
Gyro Sanded	Blue or Violet 360 Grit Sand Urethane	6.39	1	0	5	6	1"	10 dull/3 shiny	arc
Gyro Reactive Pearl	Red Pearl or Green Polished Reactive	6.39	1	0	8.5	6	2"	13.5 dull/6.5 shiny	arc
Stinger Reactive	Deep Blue Polished Detonator Plus Reactive	6.77	8	0.001	7.5	8.5	6"	16 dull/8 shiny	arc
Pearl Stinger	Grape Pearl Polished MegaBite RF	6.77	8	0.001	8	8	6"	15 dull/7.5 shiny	flip
Wildcat	Midnight Blue Sparkle Polished Super Tack Plus	3	6.55	0.001	6.4	11	6"	20 dull/12.6 shiny	flip
Cougar Super Tack	Green 600 Sand MegaBite ST	4.28	5	0.001	4	8	4"	17.5 dull/10.5 shiny	arc
Jaguar Super Tack	Deep Purple 800 Grit Sand MegaBite ST	4.96	9	0.001	2.2	10.5	6"+	19.5 dull/12.5 shiny	flip
Puma	Hazel Pearl Polished MegaBite ST	3.52	5.4	0.001	6.3	8.5	5"	18.5 dull/11.5 shiny	arc
Tidal Wave-									
Wipeout Sparkle	Navy & Green Sparkle Polished Super Tack Plus	3.4	6.33	0.008	6.1	11	6"	20.5 dull/13 shiny	flip
Riptide	Purple Punch, Pro Reactive Resin	3	6.55	0.001	2	11	6"	22 dull/13.5 shiny	arc
Tidal Wave-Wipeout	Ebony 800 Grit Sand MegaBite ST	3.4	6.33	0.008	2	10	6"	19.5 dull/12.5 shiny	flip
8-Ball	Black Onyx, Ivory Insert Polished Super Tack II	3	6.55	0.001	6.5	10	6"	19.2 dull/11.7 shiny	flip
Tombstone	Granite Pro Reactive Resin Polished	3	6.7	0.013	2.1	11	6"	23 dull/14.5 shiny	arc
Tomahawk X-plosion	Nitro Blue 800 Grit Detonator Plus	4	6.6	0.015	2.2	10.5	6"	19.5 dull/12.5 shiny	flip

### Veneers

- Pro Reactive Resin – reactive resin with textured surface designed to penetrate through oil
- Super Tack Plus – strong backend reaction for maximum angle at breakpoint
- Detonator Plus Reactive – strong traction reactive in heavy oil conditions

- MegaBite Super Tack (ST) II – best for strong pine and backend reaction
- MegaBite Reduced Friction (RF) – best on medium to dry heads and pines

RG ratings are for a pin placement in the leverage position (halfway between the bowler's PAP and 90 degrees to the PAP).

MASS BIAS RATINGS – mass bias of .001 and less refer to symmetric, pin-out balls. Mass bias in excess of .004 refer to asymmetric level 3 core designs.

## Guide to Proper Ball Selection

### Ball Speed

#### Slower

Higher RG cores, lower differential cores, pearl veneers, reduced friction veneers

Suggestions: 8-Ball, Cougar, Puma, Stingers

You may have to polish the surface if it is sanded.

#### Faster

Lower RG cores, higher differential cores, aggressive veneers

Suggestions: Tidal Wave-Wipeout Sparkle, Tidal Wave-Wipeout, Wildcat, Jaguar, Riptide, Tombstone, Tomahawk X-plosion

You may have to sand the surface if it is too shiny.

### Axis Rotation

#### Minimal Side Roll

Higher RG cores, pearls

Suggestions: 8-Ball, Wildcat, Jaguar, Puma, Cougar, Stingers

#### Maximum Side Roll

Lower RG cores, lower differential cores

Suggestions: Tidal Wave-Wipeout Sparkle, Tidal Wave-Wipeout, Riptide, Tombstone, Tomahawk X-plosion

### Axis Tilt

#### More Spin

Lower RG cores, higher differential cores, aggressive veneers

Suggestions: Tidal Wave-Wipeout Sparkle, Tidal Wave-Wipeout, Riptide, Wildcat, Jaguar, Tombstone, Tomahawk X-plosion

You may have to sand the surface to control the violence of the breakpoint and to get the ball into an earlier roll.

#### No Spin

Match up to lane condition, revs, ball speed, axis rotation

### Revolutions

#### Power Player

Lower differential cores, pearls, medium/high RG cores

Suggestions: Puma, Cougar, Pearl Stinger

#### Stroker

Higher differential cores

Suggestions: Tidal Wave-Wipeout Sparkle, Tidal Wave-Wipeout, Riptide, Wildcat, Jaguar, Stinger Solid, Tombstone, Tomahawk X-plosion, 8-Ball

### Amount of Oil

#### Oily

Lower RG cores, higher differential cores, aggressive veneers

Suggestions: Tidal Wave-Wipeout Sparkle, Tidal Wave-Wipeout, Riptide, Wildcat, Jaguar, Tombstone, Tomahawk X-plosion

You may have to sand the surface to create an earlier roll.

#### Drier

Higher RG cores, lower differential cores, pearls, reduced friction veneers

Suggestions: 8-Ball, Puma, Cougar, Stingers, Gyro Reactives, Gyro I

You may have to polish the surface to delay the breakpoint.

### Backend Condition

#### Carrydown

Higher differential cores

Suggestions: Tidal Wave-Wipeout Sparkle, Tidal Wave-Wipeout, Riptide, Wildcat, Jaguar, Stingers, Tombstone, Tomahawk X-plosion

#### Fresh

Lower differential cores

Suggestions: Puma, Cougar, Gyro Reactives, 8-Ball

The above categories are meant as a guide to select the correct ball for you. Choose the ball that appears the most in your category choices.

Ball speed, axis rotation, axis tilt, revolutions and lane conditions are all important criteria to consider when choosing the correct ball for you.

Please consult the EBONITE BALL MATRIX for technical information.