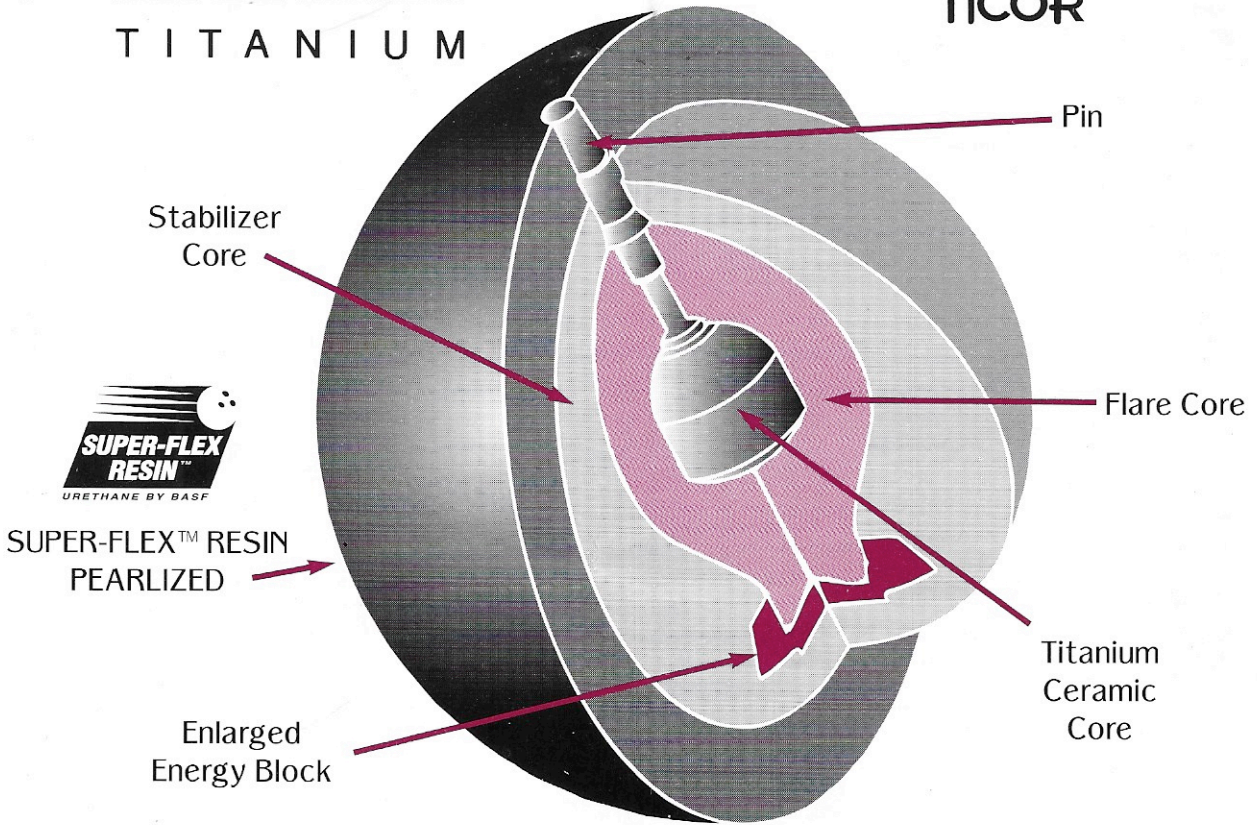


FEATURING A SHARPER TURN AT THE BREAKPOINT!

TOUR BOSS™ TITANIUM

PEARLIZED



This drill sheet is designed to be used as a quick reference chart for determining the optimum drill pattern by matching specific bowling styles to specific lane conditions.



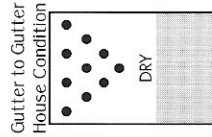
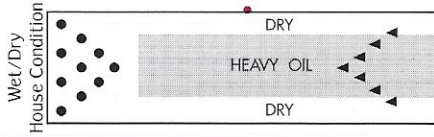
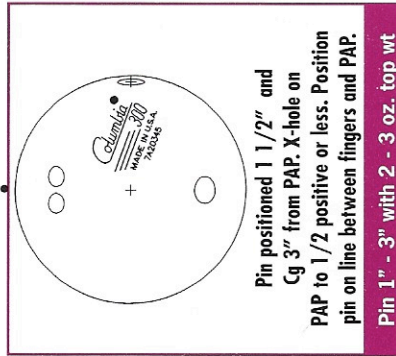
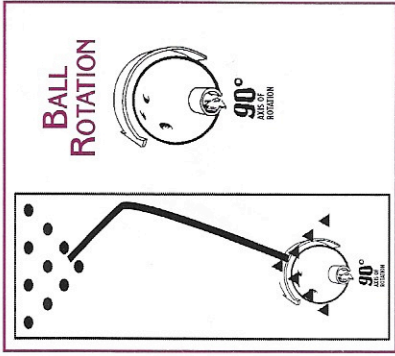
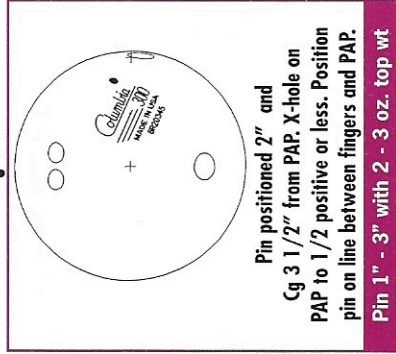
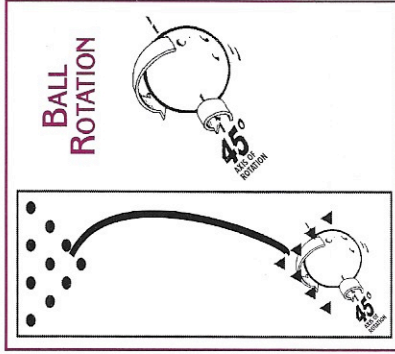
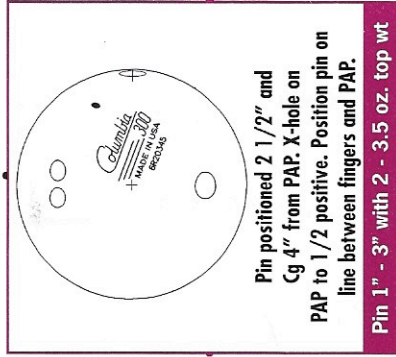
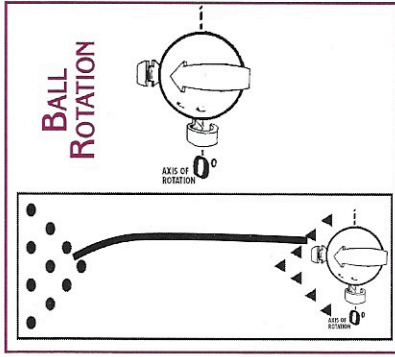
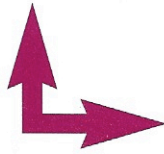
COLUMBIA 300

Columbia bowls the world over.®

www.columbia300.com

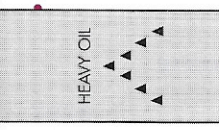
Roll Pattern

Match your roll with a common lane condition to select a drill pattern.

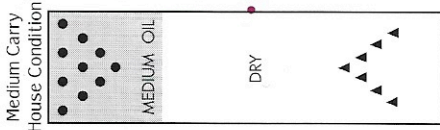


C O M M O N

L A N E C O N D I T I O N S



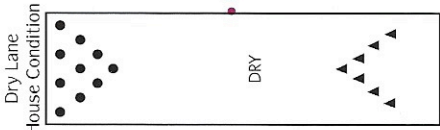
HEAVY OIL



Medium Carry House Condition

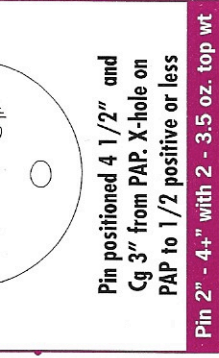
MEDIUM OIL

DRY



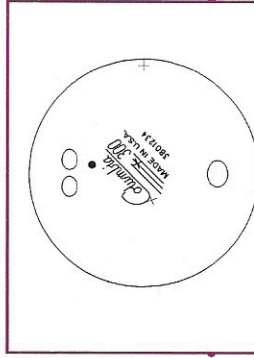
Dry Lane House Condition

DRY



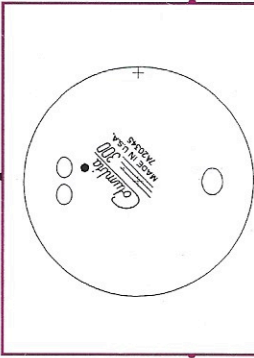
Pin positioned 4 1/2" and Cg 3" from PAP. X-hole on PAP to 1/2 positive or less

Pin 2" - 4+" with 2 - 3.5 oz. top wt



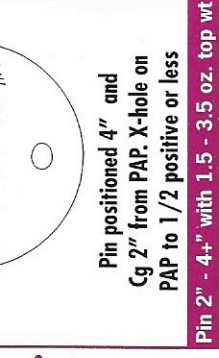
Pin positioned 5 1/2" from PAP with 1/2 positive on label.

Pin 0" - 1" with 3 - 4+ oz. top wt



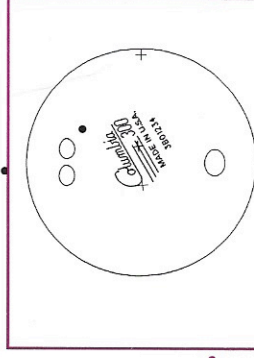
Pin positioned 5 3/4" from PAP. and Cg located at 1/2 positive, 1/2 finger wt.

Pin 0" - 2" with 3 - 4+ oz. top wt



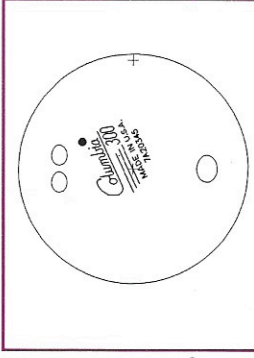
Pin positioned 4" and Cg 2" from PAP. X-hole on PAP to 1/2 positive or less

Pin 2" - 4+" with 1.5 - 3.5 oz. top wt



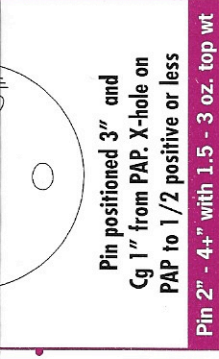
Pin positioned 5" from PAP with 1/2 positive on label.

Pin 1" - 2" with 3 - 4 oz. top wt



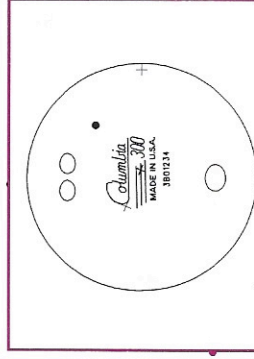
Pin positioned 5 1/2" from PAP with Cg located at 1/2 positive, 1/2 finger wt.

Pin 0" - 2" with 3 - 4+ oz. top wt



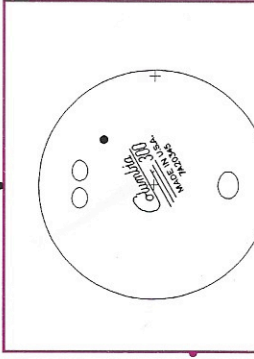
Pin positioned 3" and Cg 1" from PAP. X-hole on PAP to 1/2 positive or less

Pin 2" - 4+" with 1.5 - 3 oz. top wt



Pin positioned 4" from PAP with 1/2 positive on label.

Pin 2" - 3" with 2.5 - 3.5 oz. top wt



Pin positioned 5" from PAP with Cg located at 1/2 positive

Pin 0" - 2" with 3 - 4+ oz. top wt

All diagrams assume Positive Axis Point is 6" over from center of grip • PAP = Positive Axis Point • See back page for more information

Top Weight & Pin Selection

RG Measurement Chart

	X-Axis	Y-Axis	Differential
TOUR BOSS PEARL™	2.520	2.567	0.047
TOUR BOSS™	2.510	2.545	0.035
BOSS™	2.473	2.512	0.039

The Pearlized, superflex cover of the TOUR BOSS PEARL creates more length than the original solid, Superflex Resin II Tour Boss. Additionally, the differential RG has been increased from .035 to .047 to create a sharper turn at the break point. The combination of the pearlized cover in superflex resin and greater differential RG add together to help get through the heads easily and then make a sharp turn at the break point to increase entry angle and pin carry. This ball will work well when the heads break down and the bowler is forced to play an inside line but needs a sharp turn at the break point.

Why Titanium?

The extraordinary performance characteristics of titanium have been well documented over the last few years in sporting good products i.e. golf club shafts and heads, tennis rackets, fishing rods and reels, etc. Columbia 300 has made a revolutionary breakthrough by incorporating the strength of titanium with the density and hardness of ceramics. The TOUR BOSS'S titanium ceramic core is more dense than traditional aluminum oxide ceramic cores enabling it to deliver lower RG numbers, maximum turns for the bowler, and more hitting and carrying power at the pocket. No doubt, other balls will try to utilize titanium in their future cores, but none will have the benefits and features of titanium that is made in the form of ceramic.

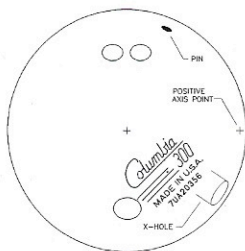
Surface

The TOUR BOSS PEARL comes factory polished with 2000 Grit Degree finish. This shiny finish helps to get the ball down the lane. For an earlier and more arcing break point, the ball can be sanded to 600 or 400 grit. The surface can be adjusted with different grit sandpaper and polish to adjust the break point of the ball to suit the bowler.

Things to Remember

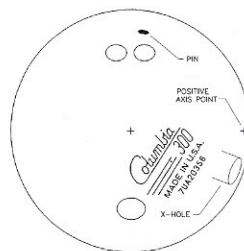
1. Any of the drillings can be drilled back to negative side-weight for earlier roll and less backend.
2. Cg is defined as center of gravity (found near the Columbia 300 label).
3. PAP is defined as Positive Axis Point.
4. Recognize that all illustrations shown are for right-handers. Reverse for left-handers.
5. DO NOT DRILL ANY HOLES DEEPER THAT 2 3/4" TO AVOID HITTING THE TITANIUM CERAMIC CORE.

Drillings for Pin Out 4-6". Top Wt. 1.5 - 3 oz.



Heavy Oil

Pin 4 1/2" from PAP.
cg 4" from PAP
and 1 1/2 - 2" below
center of grip.
Position X-hole over
6" and 2 1/2" down.



Medium Oil

Pin 5 1/2" from PAP.
cg 4 1/2" from PAP
and 1 1/2 - 2" below
center of grip.
Position X-hole over
6" and 1 1/2" down.