

POWERED BY HELICOID™

HeliCoil™ is the engine behind Ravin® Crossbows. This revolutionary technology has several industry changing advantages that all work together to create the most accurate crossbow ever designed. HeliCoil™ Technology coils cables away from both the top and bottom of the cams in helical grooves keeping the cams perfectly balanced. This allows the cams to rotate an incredible 340 degrees, while both cams remain perfectly level when drawing and shooting the crossbow. This revolutionary design creates an incredibly compact crossbow packed full of innovative features that produce rifle-like down range accuracy.



COIL CAMS

HeliCoil™ cables coil away from both the top and bottom of the cams in helical grooves keeping the cams perfectly balanced, for increased speed & downrange accuracy.

LEVEL CAMS

HeliCoil™ Technology keeps both cams perfectly level when drawing and shooting the crossbow. This allows the arrow to free float above the rail, eliminating friction, giving you increased speed and downrange accuracy.

340° CAMS

HeliCoil™ Technology allows the cams to rotate 340 degrees. This creates the most compact, efficient and accurate crossbow ever!

VERSA-DRAW™ COCKING SYSTEM

One of the revolutionary design advantages provided by HeliCoil™ Technology is the Versa-Draw™ Cocking System. Working in conjunction with the Trac-Trigger™ Firing System this ultra-compact fully integrated cocking mechanism is built into the sleek stock design. Featuring a minimal 10 pound cocking force. The Versa-Draw™ Cocking System is ambidextrous and has the ability to easily cock and un-cock your Ravin® Crossbow. This unique HeliCoil™ advantage provides an easy to use, fully integrated cocking mechanism delivering unmatched downrange accuracy with every shot.

TRAC-TRIGGER™ FIRING SYSTEM

This patented built-in trigger mechanism slides forward on the rail and clasps directly to the precise center of the string every time the bow is drawn, allowing for straight-line nock travel. This unique HeliCoil™ advantage creates a perfectly balanced draw for unmatched down range accuracy with every shot.

FRICITIONLESS™ FLIGHT SYSTEM

HeliCoil™ Technology allows the arrow and string to free-float above the rail, eliminating friction for constant accuracy and increased string and cable life.

HELICOID™ ADVANTAGES