

MICROWAVE™ LINE CONTROL SYSTEM



Patented

MICROWAVE™ **LINE CONTROL SYSTEM**

The American Tackle Company & Doug Hannon have developed a guide system so advanced that it leaves all "concept" systems as a theory of the past.



* Sold As Complete 9 Guide Set
Additional Running Guides Available

**SNAGLESS
DESIGN**

MicroWave™ **LINE CONTROL SYSTEM**

Introducing the MicroWave™ Guide System by the American Tackle Company. Inventor Doug Hannon also known as "The Bass Professor" partnered with American Tackle to conceive, design and manufacture the perfect "line control" system for spinning rods. The system addresses coiling-memory issues with monofilament but it's ideal for braided lines and really something that has to be felt and seen to be believed. It provides noticeable advantages that standard guide trains cannot by combining science, practical application and custom rod building principles. Many long hours of theory, design & physical testing has resulted in possibly the most dynamic guide train developments to date. The MicroWave™ guide is so unique and original it has been granted patents and trademarks worldwide.



MicroWave Spinning w/ Nanolite™ Ring * Sold As Complete Set

Chrome	Black	Stripper Guide	Trans. Guide	Running Guide
NCMW-SET	NBMW-SET	20mm/6mm	6mm	5mm
NCMW-5	NBMW-5	Individual 5mm Running Guide		

NCMW-SET \$60.00

NBMW-SET \$60.00

NCMW-5 \$4.40

NBMW-5 \$4.40

NOIMW-SET \$81.80

NOIMW-SET-C \$76.60

NOIMW-5 \$6.35

NOIMW-5-C \$6.35

- Improved Rod Performance
- Increased Casting Accuracy
- Reduction in Fatigue
- Improved Rod Balancing
- Total Guide Weight Reduction
- Increased Casting Distance
- Increased Lure Range of Rod
- Wind Knot tangling Elimination

Tidal **WAVE** A HYBRID MICROWAVE SYSTEM

A new introduction, this complete set offers solid titanium frame running guides with TiON, titanium coated 316SS frame stripping and transition guides for strength and durability. This set is a "hybrid" guide train combining the best principles of stainless & titanium materials into a light weight balanced corrosion free MicroWave™ Line Control System.



- Total Guide Set Weight Reduction
- Running Guide Weight Reduction
- Flexible Running Guides
- Corrosion Protection
- MicroWave™ System Performance

* Sold As Complete 9 Guide Set
Additional Running Guides Available



SOLID TITANIUM SNAGLESS DESIGN

TiON Titanium Spinning Guides

* Sold As Complete Set

NanoLite	Stripper Guide	Trans. Guide	Running Guide
NOIMW-SET	20mm/6mm	6mm	5mm
NOIMW-5	Individual 5mm Running Guide		

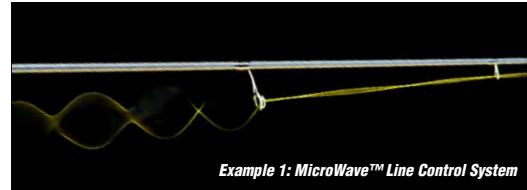
TiON Titanium Casting Guides

* Sold As Complete Set

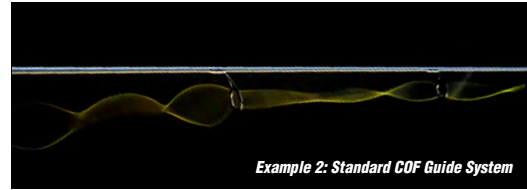
NanoLite	Stripper Guide	Trans. Guide	Running Guide
NOIMW-SET-C	10mm/5mm	5mm	5mm
NOIMW-5-C	Individual 5mm Running Guide		

Why MicroWave™?

Using the MicroWave™ Line Control System will make any rod better. American Tackle's new line guide technology will enhance a blank's efficiency to create a better performing rod. It does this by controlling the line allowing the blank to load and recover without compensating for lost energy from oscillating line traveling through the guides. The ability to manage fishing line during a cast will also allow an angler to improve casting results. This unique line control system provides marketability, giving any rod company using it the upper hand over their competition. The quest to perfect a fishing rod has sparked an evolution of sorts. This process has brought fishermen a myriad of varying designs in handles and blanks that range from minor specification changes to a wide material composition selection. Line guides are no different although their goal has always been to tame or manage line effectively. Some guide innovations use different materials and finishes that address weight and durability, while others use frame design for specific applications. Some even go as far as claiming to solve tangling issues that don't exist. The MicroWave™ guide system is the most recent development in the evolution of line guides. It combines the best guide materials and construction techniques with new theories and technologies creating extreme guide efficiency. No matter which price range, category or particular niche a rod falls into, performance is always a winner. The practical performance benefits of using the



Example 1: MicroWave™ Line Control System



Example 2: Standard COF Guide System



COF SYSTEM
7 Guides + top
14.1 grams



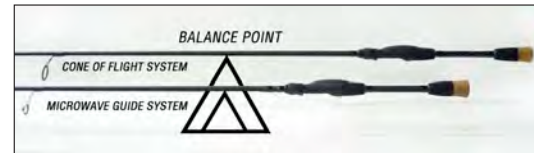
CONCEPT SYSTEM
8 Guides + top
12.3 grams



MicroWave™ SYSTEM
9 Guides + top
5.7 grams

*All weights came from AT stainless steel guide sets in appropriate standard sizing per theory

MicroWave™ system provides guides with an overall reduction in weight using smaller, lighter guides toward the tip to create a better balanced rod. The reduced weight and smaller foot print of the guides combined with the reduced line vibration via line control, allows the blank material to act and react more naturally. The results are balanced rods that cast more efficiently with less effort.



MicroWave™ guides improve balance point moving it closer to the reel. With a reel affixed, the balance improvement is greatly amplified.

Doug Hannon MICROWAVE™ LINE CONTROL SYSTEM

CASTING EDITION

The Benefits:

- Smooth line energy transition from reel thru guides
- Effective capture & control of line in one guide
- Tames side to side, up & down line friction waves
- Reduces total guide train weight
- Better rod balancing through guide weight distribution
- Guide foot-print reduction with "single foot" concept
- Blends Micro-Guide & Traditional Concept theories
- Stripper guide prevents line over-run reducing risk of backlash
- Smoother controlled cast maintains/adds distance, reduces fatigue & increases accuracy



* Sold As Complete 9 Guide Set
Additional Running Guides Available

SNAGLESS DESIGN

- Complete Single Foot Design
- Complete System Set
- Elevated Stripping Guide Height
- Ring Lock Frame Design
- Total Snagless Frame Design
- DuraLite or NanoLite Rings

MicroWave™ Casting w/ NanoLite™ Ring * Sold As Complete Set

Black	Chrome	Stripper Guide	Trans. Guide	Running Guide
NBMW-SET-C	NCMW-SET-C	10mm/5mm	5mm	5mm
NBMW-5-C	NCMW-5-C	Individual 5mm Running Guide		
NBMW-SET-C		\$55.90		
NCMW-SET-C		\$55.90		
NBMW-5-C		\$4.40		
NCMW-5-C		\$4.40		



Tribute to a Legend

Doug "The Bass Professor" Hannon (1946-2013)

Doug Hannon, known to many as the Bass Professor provided the angling world with many innovations and breakthroughs that further enhance every angler's outdoor experience. He was deeply analytical with an exceptional ability to visualize and solve complex issues. These qualities allowed him to become a noted inventor responsible for many patented products including his latest development leading to the "MicroWave™ Line Control System". An accomplished angler, author, TV personality and educator, he was famous for sharing invaluable information with millions of people who love fishing just as much as he did. But Doug Hannon was much more than the Bass Professor the world knew him by. He became more than the educator of bass fishing. His life experiences and overall view of life allowed him to be a mentor and friend to many. His legacy will live on through everyone he touched and will be deeply missed but never forgotten.

NOW SHIPPING!

AIR[®]WAVE[™]

SLIM RING LINE CONTROL SYSTEM

*Featuring our new crush-resistant
Vector Angle Crease leg design!*

Chrome Spinning Edition **AIRWAVE SPIN SET (AW-SET) \$15.00**



Chrome Casting Edition **AIRWAVE CAST SET (AW-SET-C) \$14.25**



**AIRWAVE CAST SET (AWBB-SET-C) BLACK
\$21.20**

AirWave Benefits:

- MicroWave Line Control Technology
- Non-ceramic design
- Zero ring loss for extreme durability
- Designed for every rod price category
- Lightest, most efficient guides ever!

Available only as complete sets which include: one stripper guide, one transition guide and seven running guides.

Nine total guides based on a 7' rod build.

Additional running guides available for longer rod builds.



OFFICIAL GUIDE SPECIFICATION CHARTS

Doug Hansen
MICROWAVE
LINE CONTROL SYSTEM

Measurement Key:

Height A: Bottom of the foot to bottom of the ring ID

Height B: Bottom of the foot to top of ring ID

Height C: Total guide height



Foot Length

MicroWave™ Spinning Edition

NANOLITE RING

Model	Height A	Height B	Height C	Weight	Ring I.D.	Foot Length
NBMW-20/6	28.75 mm	43.75mm	46.70 mm	3.1 g	14.92mm	14.89 mm
NBMW-6	11.40 mm	15.13 mm	17.21 mm	.2 g	4.46 mm	9.92 mm
NBMW-5	4.53 mm	7.43 mm	8.51 mm	.12 g	3.18 mm	6.30 mm
NCMW-20/6	28.75 mm	43.75mm	46.70 mm	3.1 g	14.92mm	14.89 mm
NCMW-6	11.40 mm	15.13 mm	17.21 mm	.2 g	4.46 mm	9.92 mm
NCMW-5	4.53 mm	7.43 mm	8.51 mm	.12 g	3.18 mm	6.30 mm

MicroWave™ Casting Edition

NANOLITE RING

Model	Height A	Height B	Height C	Weight	Ring I.D.	Foot Length
NBMW-10/5	5.5 mm	13 mm	14.75 mm	1 g	7.75 mm	9.8 mm
NBMW-5	4.53mm	7.43mm	8.51mm	.12 g	3.18 mm	6.3 mm
NBMW-5-C	3.5 mm	6.5 mm	7.3 mm	.12 g	3.18 mm	6.3 mm
NCMW-10	5.5 mm	13 mm	14.75 mm	1 g	7.75 mm	9.8 mm
NCMW-5	4.53 mm	7.43. mm	8.51 mm	.12 g	3.18 mm	6.3 mm
NCMW-5-C	3.5 mm	6.5 mm	7.3 mm	.12 g	3.18 mm	6.3 mm



Suggested MicroWave™ Spinning Guide Spacing

In order to insure optimum performance using the MicroWave™ Line Control System, American Tackle has developed these guide spacing suggestions. While not required or absolute, these layouts have been tested to provide the advertised benefits.

Measurements made from the lip of spool extended out to its furthest point, toward the tip of the rod to the primary ring of stripping guide, transition guide & first running guide. (Measurements in inches)

Stripping guide = 19 1/2" = 49.53 cm
Transition guide = 30 1/2" = 77.47 cm
Running guide = 39 7/8" = 101.28 cm



*Note that running guide adjustments may be required if different handle lengths are used. Static deflection recommended for running guide placements. (stripping guide transition guide & reel spool distances should remain constant)

Complete suggested spacing for 6'- 6 1/2' - 7' - 7 1/2' spinning rods.

For rods using 8 1/2" rear grip & uplocking seats:

Rod Length	# Of Guide From Tip of Blank								
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
6'0"	2 1/2"	5 7/8"	9 1/2"	14 1/4"	20 5/8"	29 5/8"	40 7/8"	-	-
6'6"	2 3/4"	6 1/2"	9 3/4"	14 1/4"	19 1/2"	25 3/4"	34"	44 3/4"	-
7'0"	2 7/8"	6 3/8"	9 3/4"	14 1/8"	18 3/4"	24 5/8"	31 1/2"	40 3/4"	51 3/4"
7'6"	3 1/4"	7"	11 3/4"	16 7/8"	23"	29 7/8"	37 1/4"	46 7/8"	57 7/8"

Complete suggested spacing for 1.8m- 2m - 2.14m - 2.3m spinning rods.

For rods using 21.6 cm rear grip & uplocking seats:

Rod Length	# Of Guide From Tip of Blank								
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
1.8 m	6.4 cm	14.9 cm	24.1 cm	36.2 cm	52.4 cm	75.2 cm	103.8 cm	-	-
2 m	7 cm	16.5 cm	24.8 cm	36.2 cm	49.5 cm	65.4 cm	86.4 cm	113.7 cm	-
2.15 m	7.3 cm	16.2 cm	24.8 cm	35.9 cm	47.6 cm	62.5 cm	80 cm	103.5 cm	131.4 cm
2.3 m	8.3 cm	17.8 cm	29.8 cm	42.9 cm	58.4 cm	75.9 cm	96.2 cm	119.1 cm	147 cm