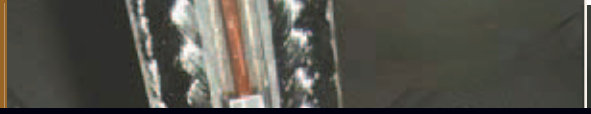
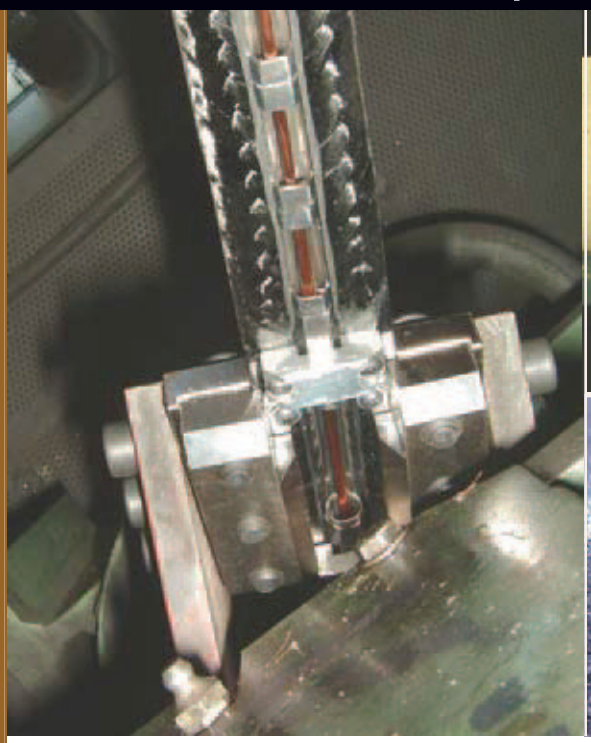
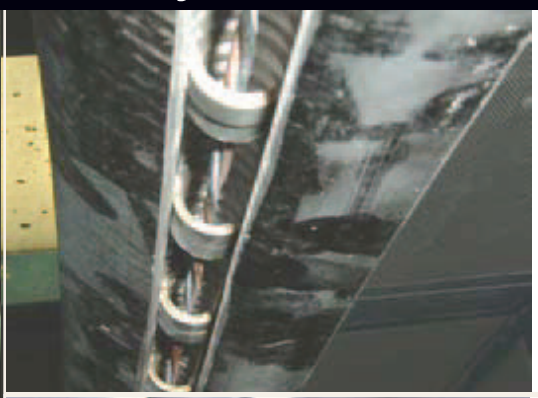
KEIR

Back*Bone*® Composite Flyer Bow







In 1990 Kamatics introduced a unique high-performance composite flyer bow by combining aerospace proven technology and a revolutionary tri-axial braiding process.

Since 2005 we have been offering a new innovative solution for wire processing, called the **Back*Bone*® Bow**.

The **Back*Bone*® Bow** is designed to incorporate all the positive features of an enclosed bow without any of the negatives associated with operating a tube or totally enclosed flyer bow. The semi-enclosed **Back*Bone*® Bow** gives the customer increased reliability and performance needed in today's competitive environment.

Our wear bushing can be made of different material types for bare copper, aluminum, steel, plated and insulated wire processing. This unique hex design opens up the problem solving options not available with the standard wear strip and ceramic or carbide guide combination.

In March 2010 KEIR Manufacturing, Inc acquired the Wire Products Business Unit of Kamatics.

Features:

- Improved bow strength (no holes)
- I-Beam construction for significantly improved bow stiffness
- Wire is out of the air stream
- Bow shaped like a wing for improved aerodynamics and low cw factor
- Wear bushings can be changed while bow is mounted on the rotor
- Wear bushings can be ceramic, steel (58-60rc) and other materials or coatings
- Wear bushings improve support of difficult to make products
- No wire pinching between guide and wear strip

Benefits:

- Lower power (amps) consumption and noise
- Higher TPM
- Reduced bow breakage
- Improved wire quality
- Increased life on wear surfaces reducing downtime and maintenance
- Easy assembly and change out of wear bushings

Back*Bone*® Composite Flyer Bow
A product of **KEIR Manufacturing, Inc.**

www.BackBoneBows.com

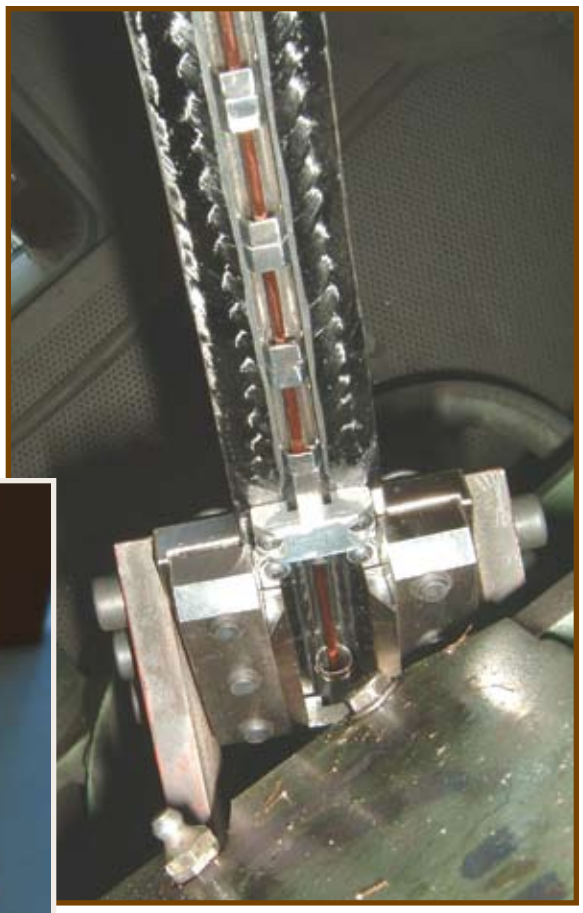
K E I R

KEIR

Composite Flyer Bow

BackBone® Bow

- Quality at Higher Speeds
- Reduced Scrap
- Gentle Wire Path
- Reduced Maintenance
- Reduced Energy Consumption



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www.backbonebows.com

K E I R

AVAILABILITY

Bekaert 250
Bekaert 630

Bridgestone BW40 D

Ceeco Group Twinner

Edmands 48

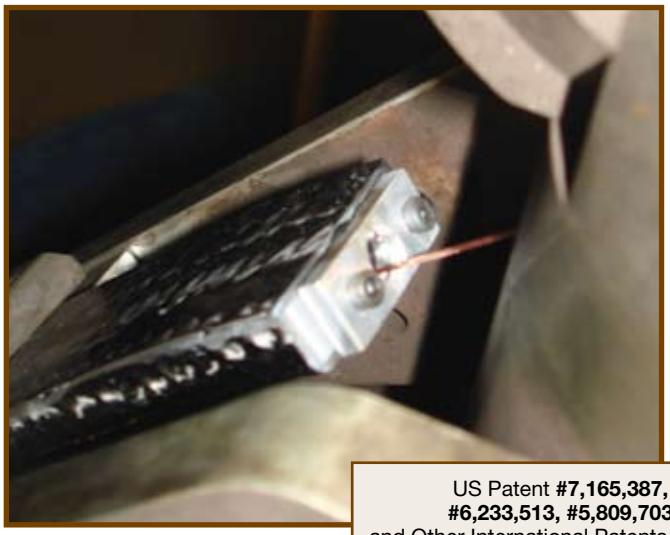
Hamana GH24
Hamana HYPT610
Hamana R6
Hamana Tube (Tire cord)
Hamana HMPT AR R20

Kinrei HK300
Kinrei HK450
Kinrei HK560
Kinrei BS600
Kinrei HK630
Kinrei HK760
Kinrei CB900
Kinrei BB400

Lesmo 630
Lesmo 760
Lesmo 1000

Miyazaki 560
Miyazaki BSH600
Miyazaki BSH800

Niehoff 630 1.4.3
Niehoff 630 1.4.4
Niehoff 631
Niehoff 801
Niehoff 630 1.4.2
Niehoff 630 1.4 GL



US Patent **#7,165,387, #6,233,513, #5,809,703** and Other International Patents Pending

Northampton 630
Northampton 800
Northampton 1250

SAMP 560
SAMP 630 (Integrated mount)
SAMP BM630
SAMP 760 (Integrated mount)
SAMP BM800

Selecta DT400

Setic TA560
Setic TA560 Ni
Setic TA630
Setic TA630 Ni
Setic TA630 Ki
Setic DHD TT630

Watson 630
Watson 760

Yoshida 900

Address inquiries to:

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Toll Free: 800-992-2402
Fax: 828-884-7494
Email: Sales@KEIRmfg.com

K E I R

Back*Bone*® Wear Bushings

Material Options:

- (S) Hardened Steel (58-60 Rc Polished to 4-8 Micro)
- (C) Ceramic 99% (Polished to 4-8 Micro)
- (T) Tungsten Carbide (Polished to 4-8 Micro)

ø Sizes [mm]

.165 [4.2]

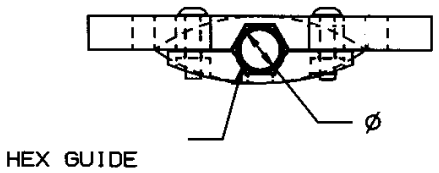
.245 [6.2]

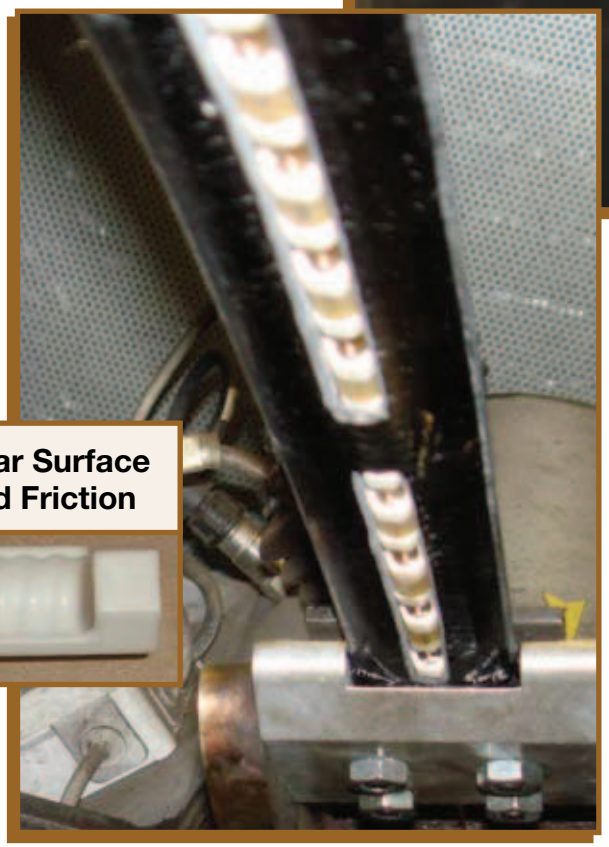
.345 [8.7]

.430 [11.0]

.450 [11.4]

.930 [23.5]





Dimpled Wear Surface for Reduced Friction

Address inquiries to:

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US Patent **#7,165,387, #6,233,513, #5,809,703** and Other International Patents Pending