



American Flag & Banner Company, Inc.  
Internet: [www.winddirection.com](http://www.winddirection.com)

## *Wind Dancer Wind Direction System*



**Wind Speed & Direction Instantly.**

**Visibility minimum 1/4 mile away!**

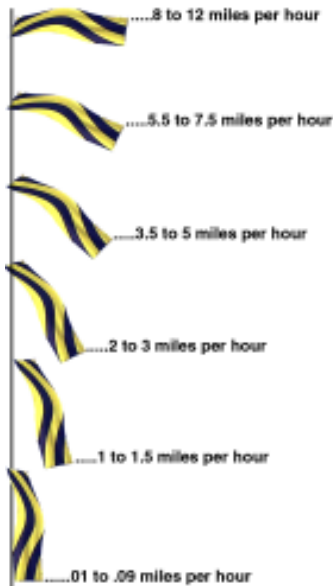
**Dynamic design & International color recognition.**

**Detects low wind speeds and makes windsocks obsolete.**



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## WIND DIRECTION & SPEED... *INSTANTLY!*

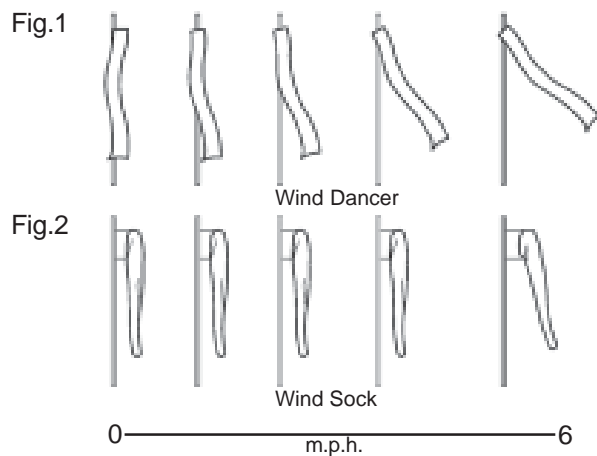


The unique design of the flag & patented pivotal harness system creates a sail like effect. The wind causes the flag to rise and fall in various directions which are clearly visible at any speed.

Laminated wall and pocket wind speed guides are supplied with every Wind Dancer Wind System.

**A wind of only 3 M.P.H. means a toxic gas can travel 284 feet in 1 minute. Detection of low wind movement can be critical. (Courtesy of University of Exeter web site.)**

### COMPARISON



Wind Speed comparison show superiority of Wind Dancer over ordinary windsocks

The Wind Dancer Wind System reacts instantly to the slightest wind speed (fig.1). Our patented pivotal harness system prevents the flag from wrapping around the pole and keeps the flag aloft in the wind at all times. Because it acts like a sail-kite, it catches the wind and rises in response to the slightest breeze. You can actually “see” the wind and any variations. Windsocks at low wind speeds (fig.2) fail to indicate direction or speed. The windsock, developed in the late 1800’s, was all they had, and was a poor design. The tube being open at both ends must have a sufficient volume of wind passing through the throat opening and then out the smaller end. The windsock cannot indicate to the observer wind speeds below 6 M.P.H. Windsocks will not accurately demonstrate wind variations and shears. The Wind Dancer Wind System will.

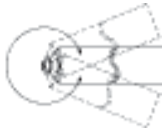
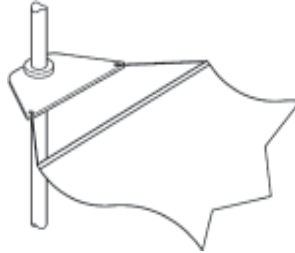
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## SPECIFICATIONS



The patented pivotal harness rotates without the aid of ball bearings or other devices. The Glide Plate rotates 360 degrees around the Glide Collar by wind force alone.



The flag lifts the Glide Plate from the surface of the collar and rotates with a minimal amount of surface contact. There are no mechanical parts to jam or wear out.



The harness cords allow the side to side tilting motion of the flag which not only detects wind shear and changes of direction, but also creates an animation and visual recognition of wind variability at a glance.

COMPARE THE WIND DANCER TO WINDSOCKS	WIND DANCERS	WINDSOCKS
Detect wind at speeds lower than 6 M.P.H.	YES	NO
Can be adapted to any pole or flagpole.	YES	NO
Can be used as permanent or portable unit.	YES	NO
Can be installed without special tools.	YES	NO
Can move a full range in 6 directions to show wind variations.	YES	NO
Can be used with other flags or mechanical systems.	YES	NO

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## **THE FLAG**



The contrasting colors of the flag provide for immediate attention and excellent visibility. Internationally recognized, caution colors cross all language barriers providing uniform notification to employees and personnel, regardless of national origin. For the same reason police, fire departments and industries use yellow & black to warn people, the colors in our design are immediately visible and instantly recognized. Our copyrighted flowing wave design lends a dynamic look to the flag and increases visibility. It is commonly thought that the color orange is better, but that is not true. Orange, Red, and Yellow as solid colors stand out from other solid colors like brown, but black & yellow are contrasting, and are far more visible to the eye regardless of background or competing landscape. The 4 to 1 ratio of length and width and special material used to construct the flag allows the wind to travel along the upper and lower surface animating the wind. For the first time you can actually “see” the wind movement, direction, and speed. It only takes a few seconds to change out your old windsock for this flag system. No hoops or metal brackets are needed for the Wind Dancer flag.

## **PARTIAL LIST OF APPLICATIONS**

Evacuations by schools, businesses, recreational facilities  
Hazardous materials spills or releases  
Refineries & oil fields  
Waste treatment plants  
Wind indicator for tear gas release  
Bomb disposal sites  
Military exercises, direction of smoke & gases to populated areas  
Jump teams - ground wind system for landings  
Hot air balloonist use at starting point and then by chase teams  
Power parachutes for take off and landings  
Prisons for directions of intentional gas release  
Ammonia plants for evacuation lanes of personnel  
Agricultural industry for prevention of pesticide drift  
Small airports for takeoff and landing aids  
Field burning to determine direction and speed of smoke  
Portable units for Red Cross & other organizations  
Marker flag for areas of student assembly  
Nuclear power plants

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## PORTABLE WIND DANCER WINDSOCK SYSTEM



### 59" to 21' Instantly!

Lightweight, strong adjustable fiberglass pole with locking grips.  
Safety lock to prevent unintentional lowering of the pole sections.  
Sets up and raises to 21' in seconds!  
Ground sleeve allows for quick removal and transport of unit.  
Patented pivotal harness system.  
2 x 8' black & yellow contrasting flag/sock.  
High visibility and easy recognition.  
Laminated 8 1/2 x 11" wall chart to estimate wind speed.  
2- Laminated pocket wind guides for field use.  
Heavy duty Dupont nylon carry bag for pole and flag unit.  
Maintenance free and guaranteed.  
Weight: 9 lbs.  
Price: \$179.00  
Item #wdws\_621

**Details:** This unit is designed for portable and permanent use. The rugged construction of the pole and flag system make it ideal for rapid deployment in the field or at home base. The rigors of transport will not damage this unit. Hazmat teams, jump teams, balloonist, oil field and refinery situations are just a few of the applications where this wind system fits in. With visibility of a minimum of 1/4 mile, and the contrasting colors of the flag, alert area personnel as to the direction and speed of the wind. Because the patented pivotal harness moves in six directions, and has no mechanical parts to artificially aid in movement, the true wind speed and direction are made visible. There are no special tools required for assembly of the Wind Dancer Wind System. Ordinary windsocks cannot perform satisfactorily and are truly obsolete for low wind detection where gases or harmful particles can injure persons or property. The tube construction of the windsock prevents it from using the full wind movement. Windsocks must first move air through the large opening and out the smaller end. Wind speeds from 1 to 6 m.p.h. barely fill the windsock tube, and so determination of direction and speed of the wind is difficult to impossible. Once there is a sufficient amount of wind force to get the windsock moving, a cross wind has to fight that volume of air in the sock, and the visible direction of the wind to the observer can be delayed or seen as less than accurate.



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## **21' IN GROUND WIND DETECTION SYSTEM**



### **PERMANENT IN GROUND WIND DANCER WIND SYSTEM**

Lightweight, strong adjustable fiberglass pole with locking grips.  
Sets up and raises to 21' in seconds!  
24" ground sleeve allows for removal of the pole when needed.  
Patented pivotal harness system.  
2x8' black & yellow contrasting flag/sock.  
High visibility and easy recognition.  
Laminated 8 1/2 x 11" wall chart to estimate wind speed & pocket guides for field use.  
Maintenance free and guaranteed.  
Weight: 9 Lbs  
Price: \$149.00  
Item #wdws\_321

Details: This unit is designed for permanent in ground installation . The rugged construction of the pole and flag system allow for years of use. The ground sleeve allows for the pole to be removed if needed. Visibility is a minimum of 1/4 mile, and the contrasting colors of the flag alert area personnel as to the direction and speed of the wind. Because the patented pivotal harness moves in six directions, and has no mechanical parts to artificially aid in movement, the true wind speed and direction are made visible. There are no special tools required for assembly of the Wind Dancer Wind System. Ordinary windsocks cannot perform satisfactorily and are truly obsolete for low wind detection where gases or harmful particles can injure persons or property. The tube construction of the windsock prevents it from using the full wind movement. Windsocks must first move air through the large opening and out the smaller end. Wind speeds from 1 to 6 m.p.h. barely fill the windsock tube, and so determination of direction and speed of the wind is difficult to impossible. Once there is a sufficient amount of wind force to get the windsock moving, a cross wind has to fight that volume of air in the sock, and the visible direction of the wind to the observer can be delayed or seen as less than accurate.



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### **WIND DANCER 134 WIND SYSTEM FOR YOUR EXISTING POLE**



The Wind Dancer Wind System\_134 quickly attaches to any existing pole. Everything you need is included, 2 stainless steel clamps, 18" fiberglass riser, 2 x 8' windsock/flag, patented pivotal harness, 8 1/2 x 11" laminated wall chart to estimate wind speed, and pocket wind speed guides for field use. There is absolutely nothing else to buy. No special tools are required.

Item# wdws\_134

Price \$89.00

### **WIND DANCER POLEMATE FOR EXISTING FLAGPOLES WITH A ROPE**



In a matter of seconds, using your existing rope, the Wind Dancer "PoleMate" is hoisted up for immediate recognition and attention. In case of evacuation, unsafe site conditions or to distinguish a staging area for persons to meet in case of dispersal, just snap the PoleMate on, and raise the flag. Because the colors are internationally recognized, and the design is dynamic in appearance, it gets immediate attention. Comes complete with our exclusive PoleMate and harness assembled, the 2 x 8' wind system windsock/flag, and laminated wind charts.

Item #wdws\_pm34

Price: \$89.00

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## **WIND DETECTION SET FOR STRUCTURES**



### **USE THIS UNIT ATOP STRUCTURES**

Lightweight, strong adjustable fiberglass pole with locking grips.  
3 sections telescoping to 15' and lowers to 6' when closed.  
Adjustable heights allow for easy change out of wind dancer flag.  
Sets up and raises to 15' in seconds!  
Poly sleeve eliminates pole contact with clamps or risers.  
Patented pivotal harness system.  
2 x 8' black & yellow contrasting Wind Dancer flag.  
High visibility and easy recognition of wind direction & speed.  
Laminated 8 1/2 x 11" wall chart for estimating wind speed.  
Field pocket guides for estimating wind speed.  
Maintenance free and guaranteed.  
Weight: 6.5 Lbs  
Price: \$129.00  
Item #wdws\_315

Details: This unit is designed for mounting on structures. The rugged construction and lightweight fiberglass pole make it ideal for persons to exchange flags. Lowering the pole is quick and easy. Visibility is a minimum of 1/4 mile, and the contrasting colors of the flag alert area personnel as to the direction and speed of the wind. Windssocks cannot perform satisfactorily and are truly obsolete for low wind detection where gases or harmful particles can injure persons or property. Because the patented pivotal harness moves in six directions, and has no mechanical parts to artificially aid in movement, the true wind speed and direction are made visible. The tube construction of the windsock prevents it from using the full wind movement. Windssocks must first move air through the large opening and out the smaller end. Wind speeds from 1 to 6 m.p.h. barely fill the windsock tube, and so determination of direction and speed of the wind is difficult to impossible. Once there is a sufficient amount of wind force to get the windsock moving, a cross wind has to fight that volume of air in the sock, and the visible direction of the wind to the observer can be delayed or seen as less than accurate.



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## ACCESSORIES



### Replacement Flags

Item #wdws\_flag28

Printed with vibrant yellow & black striping. Constructed of polyester with 2 rows of reinforced stitching at the fly end of the flag. Fits all Wind Dancer Systems.

Price: \$39.00

Item #wdws\_flag\_28st

2 x 8' "Storm Tough® Wind Dancer Flag. Sunburst yellow in color and made with our exclusive "iron weave" construction. For use where wind conditions are more demanding.

Price: \$49.00



### 24" Wheel Stand Pro for the wdws\_621

This wheel stand is made of "Gator Shield" Allied steel 3/8" thick, and has a 24" base plate with a 9" riser. Accommodates wp\_621.

Item # ws\_24

Price \$69.00



### Portable Base

This rugged base is only 24" in diameter and 10" high. Complete with fill hole, break point riser, and our exclusive no tip base. Use on smooth or rough surfaces to quickly and easily mount your pole. Fill with water or sand.

Heavy duty commercial construction provides for years of use indoors or out.

Item #base\_2410

Price \$89.00



### Roof Mount

Roof mount is constructed of steel with four 1/2" holes to accommodate bolts. The riser is 10" high and will fit poles up to 1 1/2" outside diameter.

The roof mount comes with a break point riser.

Item #rm\_10

Price \$39.95

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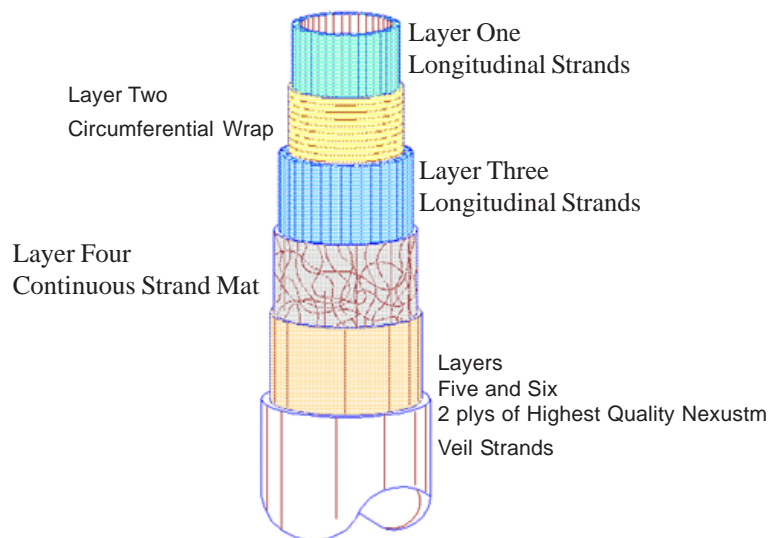
**Wonder Pole<sup>®</sup>**  
*Made in the U.S.A.*

TELESCOPING, FIBERGLASS, GUARANTEED

All poles used with the Wind Dancer Wind System are Wonder Poles<sup>®</sup>.

The Wonder Pole has nesting sections that fit inside of each other, and draw out to any desired height. Each section has our exclusive “stop markers” to prevent extending the pole too far. The sections are secured into place by turning the “Sure Lock” grips that are pressure fitted onto the pole. The Wonder Pole<sup>®</sup> is non conductive and does not have any of the electrical hazards commonly associated with metal poles. Add to this, the light weight, superior strength, available accessories, styles, models and colors available, and you have the best telescopic pole in the world today.

**6-ply Laminate Lay Up  
Engineered Composite**



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**Salem, Oregon 97305**

Item	Description	Qty.	Price	Subtotal

Method of Payment

<input type="checkbox"/> Visa	<input type="checkbox"/> Purchase Order (approved accounts only)	Order Total _____
<input type="checkbox"/> MasterCard	<input type="checkbox"/> Discover	Shipping _____
<input type="checkbox"/> American Express	<input type="checkbox"/> Check	Total _____

**Ship To:** \_\_\_\_\_.

Address \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone \_\_\_\_\_ Fax: \_\_\_\_\_

**Bill To:** \_\_\_\_\_.

Address \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone \_\_\_\_\_ Fax: \_\_\_\_\_

Credit Card # \_\_\_\_\_ Exp. Date \_\_\_\_\_

Signature \_\_\_\_\_

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