


Since 1975 Korman Signs Inc. has been manufacturing highway signs, sign faces, sign blanks, and fleet markings at its headquarters facility in Richmond Virginia and has grown in size to over 100,000 square feet. The company is not only a manufacturing center but also serves as a master distributor for a host of traffic control devices, mounting hardware, sign posts, and 3M™ products.

We manufacture a full line of construction work zone products including, our patented ALPOLIC® 350 aluminum composite signs. All of our work zone products are NCHRP 350 approved and have been subjected to an extensive crash and wind testing program, day and night, using an outside independent laboratory, and our own facilities.

We utilize screen printing, digital printing and computer generated graphics in our manufacturing processes. Whether the end use is highway, interstate, work zone, or fleet, we strive to employ the latest technologies and materials.

An industry distinction is our investment in inventory making Korman Signs Inc. an attractive quick ship one stop source for not only local, state, and federal accounts, but also the private sector.

We are delighted to present this catalog for your consideration and look forward to engaging our work force on your behalf.


Bill Korman Jr.

Over 100 years of combined leadership experience



Dale McDonough
Vice President, Operations

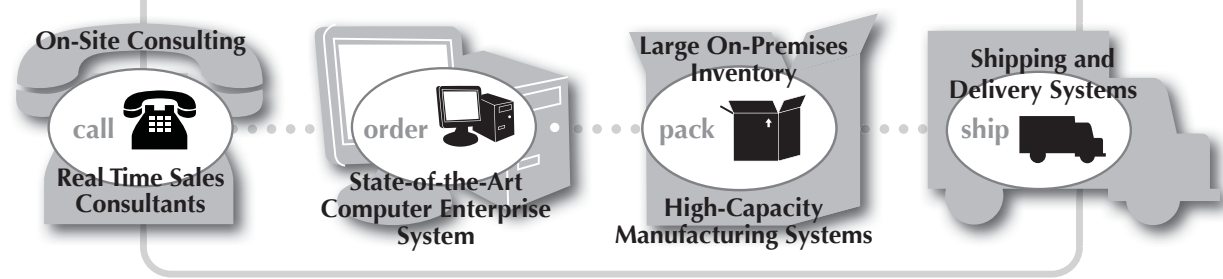


Bill Korman, Jr.
President



John Murray
Vice President, Sales

Organized for Customer Service



Mission Statement



Our mission is to provide goods and services in such a fashion that our customers want to come back for more and tell others about their favorable experience at Korman Signs Inc.



| | | | |
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Ordering Information

Look for the symbol below for specific details about what to order and the options available. If you don't see what you're looking for in the catalog please give us a call and we'll help you find what you need.

Our customer service representatives will gladly provide information on your options.

p: (800) 296-6050
f: (804) 261-1040
www.kormansigns.com

3M Reflective Sheeting



Work Zone & Permanent Signing

3M™ pioneered the development of retroreflective sheeting over 70 years ago, and continues to be the leader meeting the changing visual requirements of motorists of all ages in today's complex and demanding roadway environment. 3M has a complete line of work zone products for the production of high-quality, durable, temporary traffic control signs, devices, and temporary pavement markings. These products have the reflectivity, angularity and durability to meet virtually any construction work zone need. 3M's high performance sheetings for rigid signs, barricades, and devices are designed to clearly

identify potentially dangerous situations and withstand the rough handling typical of work zone construction. In addition to the work zone products 3M offers a full line of permanent and temporary reflective sheeting for high-quality guidance signs, traffic control and delineation devices.

3M™ also offers a full line of durable, highly reflective pavement markings, RPMs, and application equipment for all types of permanent and temporary roadway marking applications. Designed to guide drivers clearly at night as well as in daytime. For more information on pavement markings see pages 61-63.

Graphic Films

Electronically Cut Films

The low-flow adhesive on these opaque or translucent graphic films make them perfect for precise electronic cutting of letters, numbers and other shapes. Use them in backlit or front lit rigid and flexible sign graphics & many special effects.

Reflective Films

These enclosed lens retroreflective films have excellent angularity, similar daytime & nighttime appearance, and retain most of their retroreflection when wet. Available with pressure-sensitive or pressure-activated adhesive, many of these films are conformable and/or removable. Use for fleet graphics or signs that require superior visibility & performance.

Screen Printing Films

These films are designed for screen printing with solvent and/or UV cured inks. The portfolio includes a wide variety of opaque, translucent and reflective films with pressure-sensitive or pressure-activated adhesive to meet all of your graphic needs.



Reflective Sheeting



Work Zone

For more information on Work Zone signing and materials see pages 68-73.

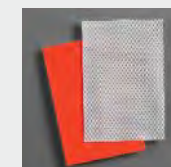


Roll-Up Sign Materials

3M™ Diamond Grade™ Roll-Up Sign Sheeting - RS20 Series

3M Diamond Grade Roll Up Sign Sheeting Series RS20 is a highly visible prismatic lens reflective sheeting designed for the production of roll up signs that are typically used in construction work zones. The prismatic/fluorescent technology provides a much higher brightness than conventional glass beads day or night and exceeds specification ASTM D 4956-04, Type IX for reflectivity. Series RS20 is backed with a strong, flexible gray coated fabric. When assembled with cross braces it has the same appearance as a rigid sign. It is designed to accept

the sewing or riveting of corner pockets. RS20 has such wide angular performance it functions at angles that no other sheeting can provide. The sign legend can be applied by screen printing using 3M process colors. When the assembled sign is not in use it can be rolled up for compact storage. RS20 series has a three year warranty and is available in sheets or rolls. RS20 series is the superior choice in maximizing portable work zone safety. Meets or exceeds all state specifications and is at the top of the list on most every State QPL.



Available in:

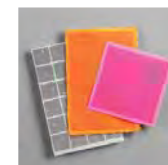
- White - RS20
- Fluorescent Orange - RS24

For available roll and sheet sizes please contact our customer service representatives at 1.800.296.6050 or korman@kormansigns.com.

3M™ Vinyl Roll-Up Sign Sheeting - RS30 Series

3M Vinyl Roll Up Sign Sheeting Series RS30 consists of retroreflective microprisms formed on a glossy and UV-stabilized polymeric film. It is designed for the production of roll up traffic signs used in work zones and emergency traffic control. This sign sheeting provides a compact, lightweight concept that meets specification ASTM D 4956-04, Type VI. Series RS30 is backed with

a heavy duty vinyl coated fabric. When assembled with cross braces it has the same appearance as a rigid sign. It is designed to accept the sewing or riveting of corner pockets. The sign legend can be applied by screen printing using 3M process colors. When the assembled sign is not in use it can be rolled up for storage. Meets many State specifications.



Available in:

- White - RS30
- Fluorescent Orange - RS34
- Fluorescent Pink - RS33

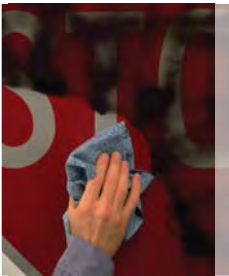
For available sheet sizes please contact our customer service representatives toll-free at 1.800.296.6050 or korman@kormansigns.com.

Reflective Sheeting

3M™ offers a full line of permanent and temporary reflective sheeting for high-quality traffic control, guidance signs and delineation devices. 3M pioneered the development of retroreflective sheeting over 70 years ago, and continues to be the leader in meeting the changing visual requirements of motorists of all ages in today's complex and demanding roadway environment.

3M™ Overlay Film

Protect your signs from vandals with 3M™ Overlay Film. This flexible, durable laminate can be used with a variety of 3M reflective sheetings and graphic films for exterior/interior graphics.



Permanent Signing Materials

3M™ Diamond Grade™ DG³ Reflective Sheeting

3M Diamond Grade DG³ Series 4000 Reflective Sheeting is a state of the art super high efficiency, full cube prismatic, retroreflective sheeting designed for the production of traffic signs that are exposed vertically in service. DG³ not only provides the highest retroreflective performance to be encountered by the driving public but also provides a published durability warranty of 12 years. Even the most disadvantaged or complex location will be highly visible using this material. It exceeds ASTM D4956 Type XI specifications. Series 4000 delivers optimal performance where drivers need it most and coupled with the long durability makes DG³ a worthy investment from both a safety and life cycle financial perspective. Matched components for screen printing and fabrication are readily available. Available in various widths in sheets or 50 yard rolls. No other material can match the performance and safety of Diamond Grade DG³ Reflective Sheeting.



| | |
|---------------|--------------|
| White | Blue |
| 4090 | 4095 |
| Yellow | Green |
| 4091 | 4097 |
| Red | Brown |
| 4092 | 4099 |

3M™ Diamond Grade™ Fluorescent Work Zone Sheeting

Fluorescent orange, microprismatic, reflective sheeting with pressure sensitive adhesive for the production of high quality work zone signs. Exceeds ASTM D4956-09 Spec Type VII, and ASTM D4956-07 Type VIII and Type X specifications.



Fluorescent Orange
3924S

3M™ Diamond Grade™ DG³ Fluorescent Reflective Sheeting

Diamond Grade fluorescent, reflective sheetings use prismatic and fluorescent technology to provide excellent visibility in any condition. DG³ combines the impact of fluorescent color for daytime driving with high reflectivity, adding increased visibility at night. DG³ meets ASTM D4956-09, Type III and IV.



| |
|---------------------------------|
| Fluorescent Orange |
| 4084 |
| Fluorescent Yellow |
| 4081 |
| Fluorescent Yellow Green |
| 4083 |

- State-of-the-art "full cube" prismatic technology
- 100 percent efficient optical elements, returning 60% of available light
- Delivers optimal performance where and when drivers need it most

| ROLLS | | |
|--------------|----------------|---------------|
| ¾" x 50 yds. | 9" x 50 yds. | 30" x 50 yds. |
| 1" x 50 yds. | 12" x 50 yds. | 36" x 50 yds. |
| 2" x 50 yds. | 12¾" x 50 yds. | 48" x 50 yds. |
| 3" x 50 yds. | 18" x 50 yds. | |
| 6" x 50 yds. | 24" x 50 yds. | |



Nighttime comparison of Engineer Grade (Type I), High Intensity Prismatic (Type III/IV) and DG3 (Type XI) Reflective Sheeting.

3M™ High Intensity Prismatic Sheeting

3M High Intensity Prismatic (HIP) Sheeting Series 3930 is a non-metalized, microprismatic lens reflective sheeting designed for production of durable reflective traffic control signs, work zone devices and delineators exposed vertically. Series 3930 provides long-term reflectivity and durability, with an improved optical package to increase nighttime safety. Its unique prismatic construction provides a high level of retroreflectivity for multiple traffic control situations. Meets both ASTM D4956-09 Type III, Type IV, and ASTM D4956-07 Type X specifications.



| | |
|---------------|--------------|
| White | Blue |
| 3930 | 3935 |
| Yellow | Green |
| 3931 | 3937 |
| Red | Brown |
| 3932 | 3939 |
| Orange | |
| 3934 | |

3M Engineer Grade, Engineer Grade Prismatic and High Intensity Prismatic Sheeting available in the following roll sizes:

| ROLLS | | |
|---------------|----------------|---------------|
| ½" x 50 yds. | 6" x 50 yds. | 18" x 50 yds. |
| ¾" x 50 yds. | 6¾" x 50 yds. | 24" x 50 yds. |
| 1" x 50 yds. | 8" x 50 yds. | 30" x 50 yds. |
| 1¼" x 50 yds. | 9" x 50 yds. | 36" x 50 yds. |
| 2" x 50 yds. | 12" x 50 yds. | 42" x 50 yds. |
| 3" x 50 yds. | 12¾" x 50 yds. | 48" x 50 yds. |
| 4" x 50 yds. | 15" x 50 yds. | |

Reflective Sheeting

3M™ Engineer Grade Prismatic Reflective Sheeting

3M Engineer Grade Prismatic (EGP) Reflective Sheeting Series 3430 meets minimum specification ASTM D4956 Type I. EGP is a prismatic lens retroreflective sheeting designed for the production of reflective commercial signs, non-critical traffic signs, and some limited regulatory traffic applications as long as they are mounted vertically in service. EGP comes with pressure sensitive adhesive in a variety of colors and provides expected durability of 5-7 years when processed with the 3M Matched Component System™ inks & films and applied properly on an aluminum or ALPOLIC® substrate. Subject to shorter life cycle than DG³ and HIP.



| | |
|---------------|--------------|
| White | Blue |
| 3430 | 3435 |
| Yellow | Green |
| 3431 | 3437 |
| Red | Brown |
| 3432 | 3439 |

3M™ Engineer Grade Reflective Sheeting

Engineer Grade (EG) is an enclosed lens sheeting with pressure sensitive adhesive designed for commercial and non-critical signing applications. Meets ASTM D4956 Spec Type I, Class 1.



| | |
|---------------|--------------|
| White | Blue |
| 3290 | 3275 |
| Yellow | Green |
| 3271 | 3277 |
| Red | |
| 3272 | |

3M™ ElectroCut™ Film



ElectroCut Film is a transparent, acrylic, colored film used for application over 3M Reflective Sheeting to produce durable sign backgrounds, copy, and logos with a pressure sensitive adhesive. Available in 50 yard rolls in the following widths: 9", 12", 15", 18", 24", 30", 36" and 48".

| | | |
|---------------|--------------|--------------|
| Yellow | Blue | Brown |
| 1171 | 1175 | 1179 |
| Red | Green | |
| 1172 | 1177 | |
| Orange | Black | |
| 1174 | 1178 | |

3M™ offers the most comprehensive line of flexible, durable and promotional films on the market. Both permanent and removable films are available in opaque, clear, translucent and reflective as well as dozens of colors. Most feature pressure sensitive or pressure activated adhesive and are used in the construction of indoor and outdoor large-format graphics around the world. For more information on the use of 3M Graphic Films in vehicle graphics see pages 64-67.



3M™ Controltac™ Graphic Film with Comply™ Adhesive 160C

Graphic Film Series 160C with Comply Adhesive is a 4-mil film which offers great versatility along with slideable, repositionable, pressure-activated adhesive, air release channels for fast and easy, bubble-free graphic installations. These long-term durable and removable films have excellent hiding power and stability, making them perfect for indoor and outdoor signs and fleet graphics.

| | | | |
|--|-------------------------|--|-------------------------|
| | White 160C-30 | | Black 160C-32 |
|--|-------------------------|--|-------------------------|

| | | | |
|-------------------------------------|---|---------------------------------------|---|
| | | | |
| White 680-10 680CR-10 | Red 680-72 680CR-72 | Blue 680-75 680CR-75 | Lemon Yellow 680-81 680CR-81 |
| | | | |
| Black 680-85 680CR-85 | Light Blue 680-76 680CR-76 | Ruby Red 680-82 680CR-82 | Yellow 680-71 680CR-71 |
| | | | |
| Orange 680-14 680CR-14 | Gold 680-64 680CR-64 | Green 680-77 680CR-77 | |

3M™ Scotchcal™ Graphic Film Series 3650

Graphic Film Series 3650 is a 2 mil film used to screen print permanent, interior or exterior graphics. The film has pressure-sensitive adhesive, resists gasoline vapors and occasional petroleum spills, and is available in transparent, white or black. Applications include graphics for vehicles, windows, signs and more.

| | | | |
|--|--------------------------------|--|-------------------------|
| | White 3650-10 | | Black 3650-12 |
| | Transparent 3650-114 | | |

3M™ Scotchlite™ Series 680 & 680CR

Reflective Graphic Film Series 680 is a durable, flexible, enclosed-lens, retroreflective film used to make permanent, multi color commercial signs, striping, vehicle or railroad graphics. These graphics have a similar daytime and nighttime appearance. The film has positionable, pressure-activated adhesive and a total thickness of .007 to .008 inches. Series 680CR is a removable film with Comply™ Adhesive.

Color may vary from actual material due to the printing process. For color charts please contact KSI at 800.296.6050 or korman@kormansigns.com.

3M™ Scotchcal™ ElectroCut Graphic Film Series 7125 & 7725

Graphic Film Series 7125/7725 is used for pre-spaced, cut graphics on electronically controlled, friction-fed or flatbed cutters for emblems, vehicles, labels, striping, signs, & two-way window markings. Transparent synthetic liner resists moisture absorption and static buildup; allows superior cutting/weeding. Pressure sensitive film adheres well to flat or simple curved surfaces. Series 7125 film has a paper liner.

| | | | | | |
|--|--|--|---|--|--------------------------------------|
| | Clear 7125/7725-114 | | Process Magenta 7725-273 | | Forest Green 7125/7725-66 |
| | White 7125/7725-10 | | Perfect Match Red 7125/7725-263 | | Bermuda Blue 7125/7725-357 |
| | Matte White 7125/7725-20 | | Tomato Red 7125/7725-13 | | Teal 7125/7725-96 |
| | Eggshell 7725-130 | | Geranium 7125/7725-63 | | Dark Aqua 7725-307 |
| | Antique White 7125/7725-90 | | Deep Red 7125/7725-23 | | Aqua 7725-176 |
| | Pearl Gray 7125/7725-11 | | Cardinal Red 7125/7725-53 | | Peacock Blue 7125/7725-77 |
| | Medium Gray 7125/7725-31 | | Burgundy 7125/7725-58 | | Robin Egg Blue 7725-86 |
| | Dark Gray 7125/7725-41 | | Terra Cotta 7125/7725-24 | | Olympic Blue 7125/7725-57 |
| | Black 7125/7725-12 | | Bright Orange 7125/7725-14 | | Intense Blue 7125/7725-47 |
| | Matte Black 7125/7725-22 | | Apricot 7725-64 | | Vivid Blue 7125/7725-17 |
| | Deep Mahogany Brown 7125/7725-19 | | Light Orange 7125/7725-54 | | Sapphire Blue 7125/7725-37 |
| | Russet Brown 7125/7725-29 | | Harvest Gold 7125/7725-105 | | Wedgewood Blue 7725-187 |
| | Saddle Brown 7125/7725-139 | | Sunflower 7125/7725-25 | | Shadow Blue 7125/7725-177 |
| | Tan 7125/7725-39 | | Bright Yellow 7125/7725-15 | | Light Navy 7125/7725-197 |
| | Putty 7125/7725-59 | | Vista Yellow 7725-85 | | Indigo 7125/7725-27 |
| | Sandstone 7125/7725-89 | | Apple Green 7125/7725-196 | | Royal Purple 7125/7725-38 |
| | Fawn 7125/7725-99 | | Kelly Green 7125/7725-46 | | Purple 7125/7725-48 |
| | Beige 7125/7725-49 | | Bright Green 7125/7725-186 | | Dark Violet 7725-98 |
| | Mauve 7725-193 | | Dark Green 7125/7725-56 | | Violet 7725-88 |
| | Salmon Pink 7725-173 | | Bottle Green 7125/7725-276 | | |
| | Magenta 7125/7725-103 | | | | |

3M™ Controltac™ Graphic Film with Comply™ Adhesive 180C

Graphic Film Series with Comply Adhesive Series 180C is a 2 mil, opaque film used to screen print large, long-term graphics. It has pressure-activated adhesive and 3M Comply™ Adhesive feature for easier installation of fleet graphics, signs, emblems and more. It is available in a variety of sizes in a wide selection of glossy & metallic colors or matte black.

| | | | | | |
|--|---------------------------------------|--|---------------------------------|--|---------------------------------|
| | Transparent 180C-114 | | Tomato Red 180C-13 | | Dark Green 180C-56 |
| | White 180C-10 | | Geranium 180C-63 | | Teal 180C-96 |
| | Medium Gray 180C-31 | | Deep Red 180C-23 | | Dark Aqua 180C-307 |
| | Dark Gray 180C-41 | | Cardinal Red 180C-53 | | Aqua 180C-176 |
| | Black 180C-12 | | Burgundy 180C-58 | | Peacock Blue 180C-77 |
| | Matte Black 180C-22 | | Bright Orange 180C-14 | | Olympic Blue 180C-57 |
| | Deep Mahogany Brown 180C-19 | | Light Orange 180C-54 | | Intense Blue 180C-47 |
| | Russet Brown 180C-29 | | Sunflower 180C-25 | | Vivid Blue 180C-17 |
| | Tan 180C-39 | | Bright Yellow 180C-15 | | Sapphire Blue 180C-37 |
| | Beige 180C-49 | | Apple Green 180C-196 | | Indigo 180C-27 |
| | Salmon Pink 180C-173 | | Kelly Green 180C-46 | | Royal Purple 180C-38 |
| | Magenta 180C-103 | | Bright Green 180C-186 | | Dark Violet 180C-98 |

3M Graphic Films are available in a variety of standard roll sizes. For additional 3M Sheetings see below:

| | | |
|--------|--------|---------------------|
| 5000 | 7720 | 3336 |
| 5100CR | 1150 | 33340 |
| 7780CR | 1160 | 3840 |
| 639 | TPM-5 | 3910 |
| 3470 | FCPM-3 | 3914 |
| 3630 | SCPS-2 | CW80 |
| 3690 | 3334 | Sign Dating Sticker |

For more information regarding 3M Sheetings, colors and roll sizes please contact KSI at 1.800.296.6050 or korman@kormansigns.com.

Traffic Signs

Traffic signs advise drivers of the correct road/highway regulations and warn them of approaching hazards or changes in the road's dimensions. Korman Signs uses only 3M™ material and 3M™ inks to silk screen or digitally print each sign legend. After the sign is printed each sign face is applied to your choice of sign substrate.

The Federal Highway Administration (FHWA) is responsible for the Manual on Uniform Traffic Control Devices (MUTCD) which creates standards for traffic control devices on any roads/highways "open to public travel." Korman Signs manufactures a variety of MUTCD signs, not limited to the ones pictured here, in addition to custom ordered signs.



Traffic signs are on the following pages:

| | |
|------------------|----|
| Regulatory | 8 |
| Parking | 13 |
| Warning | 15 |
| School | 19 |
| Civic | 19 |
| Guide | 20 |

Our customer service representatives will gladly provide information on your options.

p: (800) 296-6050
f: (804) 261-1040
www.kormansigns.com

Ordering Information

Choose from the following:

Sign Face Material: (3M™ Reflective Sheeting)
Engineer Grade/ Engineer Grade Prismatic
High Intensity Prismatic
Diamond Grade

Sign Substrate:
.063 Aluminum 2mm ALPOLIC® (.080)
.080 Aluminum 3mm ALPOLIC® (.120)
.100 Aluminum 4mm ALPOLIC® (.160)
.125 Aluminum 10mm Fluted Plastic (3/8")
White Painted Aluminum 13mm Fluted Plastic (1/2")

Sign Dimensions:
All standard recommended sizes are listed; other sizes available upon request. If multiple sizes listed, red size indicates MUTCD standard sign size.

Additional MUTCD and non-standard traffic signs not pictured are available upon request.

Regulatory Signs



"Regulatory signs shall be used to inform road users of selected traffic laws or regulations and indicate the applicability of the legal requirements."

--
FHWA - Manual on Uniform Traffic Control Devices

Regulatory Signs



R1-1
24" x 24"
30" x 30"
36" x 36"
48" x 48"



R1-2
30" x 30" x 30"
36" x 36" x 36"



R1-3
12" x 6"

R1-4
18" x 6"



R1-5L
R1-5R
18" x 18"
R1-5aL
R1-5aR
18" x 24"



R2-1
18" x 24"
24" x 30"
36" x 48"
48" x 60"



R2-2
24" x 24"
36" x 36"
48" x 48"



R2-3
24" x 24"
36" x 36"
48" x 36"



R2-4
24" x 30"
36" x 48"
48" x 60"



R2-4A
24" x 48"
36" x 72"
48" x 96"



R2-5A
18" x 24"
24" x 30"



R3-1
24" x 24"
30" x 30"
36" x 36"
48" x 48"



R3-2
24" x 24"
30" x 30"
36" x 36"
48" x 48"



R3-3
24" x 24"
36" x 36"
48" x 48"



R3-4
24" x 24"
30" x 30"
36" x 36"
48" x 48"



R3-5R
30" x 36"



R3-5A
30" x 36"



R3-5L
30" x 36"



R3-6R
30" x 36"



R3-6L
30" x 36"



R3-7L
30" x 30"



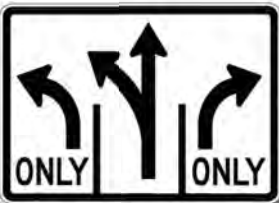
R3-7R
30" x 30"



R3-8L
30" x 30"
36" x 36"
48" x 48"



R3-8R
30" x 30"
36" x 36"
48" x 48"



R3-8A
48" x 30"
60" x 36"



R1-6
12" x 36"



R1-6A
12" x 36"

For more information on the Pedestrian Crosswalk Indicator see page 18.

Red size indicates MUTCD standard sign size

Regulatory Signs

| | | | | | |
|--|--|--|---|---|---|
| | | | | | |
| R3-9A 30" x 36" | R3-9B 24" x 36" 36" x 48" | R3-12 30" x 42" 36" x 60" 48" x 84" | R3-12A 30" x 42" 36" x 60" 48" x 84" | R3-13 66" x 36" 84" x 48" 144" x 78" | R3-15 66" x 36" 84" x 48" 102" x 60" |
| | | | | | |
| R3-15A 66" x 36" 84" x 48" 102" x 60" | R3-17 30" x 24" | R3-17B 30" x 12" | R4-1 24" x 30" 36" x 48" 48" x 60" | R4-2 24" x 30" 36" x 48" 48" x 60" | R4-3 24" x 30" 36" x 48" 48" x 60" |
| | | | | | |
| R4-5 24" x 30" 36" x 48" 48" x 60" | R4-6 24" x 30" 36" x 48" 48" x 60" | R4-7 18" x 24" 24" x 30" 36" x 48" | R4-7A 18" x 24" 24" x 30" 36" x 48" | R4-7B 18" x 24" 24" x 30" 36" x 48" | R4-8 18" x 24" 24" x 30" 36" x 48" |
| | | | | | |
| R4-8A 18" x 24" 24" x 30" 36" x 48" | R4-8B 18" x 24" 24" x 30" 36" x 48" | R4-9 18" x 24" 24" x 30" 36" x 48" | R5-1 24" x 24" 30" x 30" 36" x 36" | R5-1A 30" x 18" 36" x 24" 42" x 30" | R5-2 24" x 24" 30" x 30" 36" x 36" |
| | | | | | |
| R5-2A 24" x 24" 30" x 30" 36" x 36" | R6-1L 36" x 12" | R6-1R 36" x 12" | R6-2R 18" x 24" 24" x 30" 36" x 48" | R6-2L 18" x 24" 24" x 30" 36" x 48" | R6-3 24" x 18" 30" x 24" 36" x 30" |

Red size indicates MUTCD standard sign size

Regulatory Signs

| | | | | | |
|--|--|---|-----------------------------------|--|--------------------|
| | | | | | |
| R6-3A 24" x 18" 30" x 24" 36" x 30" | R9-3 12" x 18" | R9-3A 18" x 18" 24" x 24" 30" x 30" | R9-4 12" x 18" 18" x 24" | R9-4A 12" x 12" 18" x 18" 24" x 24" | R9-5 12" x 18" |
| | | | | | |
| R9-6 12" x 18" | R9-7 12" x 18" | R9-8 36" x 18" | R9-9 24" x 12" 30" x 18" | R10-2A 9" x 12" | R10-3 9" x 12" |
| | | | | | |
| R10-3A 9" x 12" | R10-3B 9" x 12" | R10-3C 9" x 12" | R10-3E 9" x 15" | R10-4 9" x 12" | R10-4A 9" x 12" |
| | | | | | |
| R10-4B 9" x 12" | R10-5 24" x 30" 30" x 36" 48" x 60" | R10-6 24" x 36" | R10-6A 24" x 30" | R10-7 24" x 30" | P-55 12" x 18" |
| | | | | | |
| R10-8 24" x 30" 30" x 36" 36" x 42" | R10-10R R10-10L 24" x 30" | R10-11 18" x 24" 24" x 30" 36" x 48" | R10-11A 24" x 30" 36" x 48" | R10-11B 24" x 24" 30" x 30" 36" x 36" | |

Red size indicates MUTCD standard sign size

Regulatory Signs



R10-12
24" x 30"



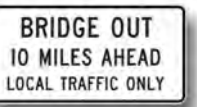
R11-1
24" x 30"
36" x 48"
48" x 60"



R11-2
48" x 30"



R11-3A
60" x 30"



R11-3B
60" x 30"



R11-4
60" x 30"



SR10-14
24" x 24"



SR10-15
24" x 24"



SR10-16
24" x 24"



R12-1
24" x 30"
36" x 48"



R12-5
24" x 36"
30" x 42"
36" x 48"



R13-1
72" x 48"
96" x 66"
12" x 84"



R14-1
24" x 18"



R14-2
24" x 24"
30" x 30"
36" x 36"



R14-4
24" x 24"
30" x 30"
36" x 36"



R14-3
24" x 24"
30" x 30"
36" x 36"



R14-5
24" x 24"
30" x 30"
36" x 36"



R15-1
48" x 9"



R15-2
27" x 18"



R15-3
12" x 6"
24" x 12"



R16-1
18" x 24"



VG-14
24" x 24"



PM-4
18" x 18"



PM-3
18" x 18"



PM-55
12" x 18"
18" x 24"



R106
12" x 12"



VR-18
36" x 24"



PM-7
18" x 24"



PM-12
18" x 12"
18" x 24"



PM-13
12" x 18"
18" x 24"

Parking Signs



"Parking Signs are regulatory signs that designate and regulate parking areas, fire lanes, handicap parking, tow away zones or no parking zones."

-- FHWA - Manual on Uniform Traffic Control Devices



R7-1
12" x 18"



R7-2
12" x 18"



R7-2A
12" x 18"



R7-3
12" x 18"



R7-5
12" x 18"



R7-6
12" x 18"



R7-7
12" x 18"



R7-9
12" x 18"



R7-107
12" x 18"



R7-107A
12" x 30"



R7-108
12" x 18"



R7-201
12" x 6"



R7-201A
12" x 6"



R8-1
18" x 24"
24" x 30"
36" x 48"



R8-2
18" x 24"
24" x 30"
36" x 48"



R8-3
18" x 24"
24" x 30"
36" x 36"



R8-3A
18" x 18"
24" x 24"
36" x 36"

Parking Signs

| | | | | | |
|--|--|--|---|--|-------------------------------|
| R7-8 12" x 18" R7-8P 12" x 6" | R7-8A 12" x 6" R7-8B 12" x 7" | R7-8MP 12" x 24" R7-8P 12" x 6" | R7-8MPV 12" x 30" R7-8P 12" x 6" | R7-8PW 12" x 30" R7-8P 12" x 6" | P-57 12" x 24" |
| R8-7 30" x 24" 48" x 36" | R7-93 12" x 18" | R7-52 12" x 18" | R7-13M 12" x 18" | R7-12D 12" x 18" | R7-11 12" x 18" |
| R7-62D 12" x 24" | R7-61 12" x 18" 12" x 24" | R7-94 12" x 18" | R7-31AM 12" x 18" | R7-1A 12" x 18" | R7-50 12" x 18" |
| <div> <p>Arrows</p> <p>Arrows available on most Parking signs. Please specify No Arrow, Right Arrow, Left Arrow or Double Arrow.</p> </div> | | | | | |
| <div> R7-50AD 12" x 18" </div> | | | | | |
| <div> P-22 12" x 18" </div> | | | | | |
| <div> P-8 12" x 18" </div> | | | | | |
| <div> P-67 12" x 18" </div> | | | | | |

Don't Forget
to supplement your parking signs with one of our square, round or u-channel posts on pages 42-46.



Red size indicates MUTCD standard sign size

Warning Signs

"Warning Signs call attention to unexpected conditions on or adjacent to a highway or street and to situations that might not be readily apparent to road users. Warning signs alert road users to conditions that might call for a reduction of speed or an action in the interest of safety and efficient traffic operations."

-- FHWA - Manual on Uniform Traffic Control Devices

| | | | | | |
|---|---|---|---|---|---|
| W1-1L 24" x 24" 30" x 30" 36" x 36" | W1-1R 24" x 24" 30" x 30" 36" x 36" | W1-2L 24" x 24" 30" x 30" 36" x 36" | W1-2R 24" x 24" 30" x 30" 36" x 36" | W1-3L 24" x 24" 30" x 30" 36" x 36" | W1-3R 24" x 24" 30" x 30" 36" x 36" |
| W1-4L 24" x 24" 30" x 30" 36" x 36" | W1-4R 24" x 24" 30" x 30" 36" x 36" | W1-5L 24" x 24" 30" x 30" 36" x 36" | W1-5R 24" x 24" 30" x 30" 36" x 36" | W1-6 24" x 12" 36" x 18" 48" x 24" | W1-7 24" x 12" 36" x 18" 48" x 24" |
| W1-8 18" x 24" 24" x 30" 30" x 36" | W1-13 30" x 30" 36" x 36" 48" x 48" | W2-1 24" x 24" 30" x 30" 36" x 36" | W2-2L 24" x 24" 30" x 30" 36" x 36" | W2-3L 24" x 24" 30" x 30" 36" x 36" | |

Red size indicates MUTCD standard sign size

Warning Signs



W2-3R
24" x 24"
30" x 30"
36" x 36"



W2-4
24" x 24"
30" x 30"
36" x 36"



W2-5
24" x 24"
30" x 30"
36" x 36"



W3-1
24" x 24"
30" x 30"
36" x 36"
48" x 48"



W3-1A
24" x 24"
30" x 30"
36" x 36"
48" x 48"



W3-2
24" x 24"
30" x 30"
36" x 36"
48" x 48"



W3-2A
24" x 24"
30" x 30"
36" x 36"
48" x 48"



W3-3
24" x 24"
30" x 30"
36" x 36"
48" x 48"



W3-3A
24" x 24"
30" x 30"
36" x 36"
48" x 48"



W3-5
36" x 36"
48" x 48"



W3-6
30" x 30"
36" x 36"
48" x 48"



W4-1L
24" x 24"
30" x 30"
36" x 36"



W4-1R
24" x 24"
30" x 30"
36" x 36"



W4-2L
30" x 30"
36" x 36"
48" x 48"



W4-2R
30" x 30"
36" x 36"
48" x 48"



W4-3L
36" x 36"
48" x 48"



W4-3R
36" x 36"
48" x 48"



W5-1
30" x 30"
36" x 36"
48" x 48"



W5-2
24" x 24"
30" x 30"
36" x 36"



W5-3
24" x 24"
30" x 30"
36" x 36"



W6-1
30" x 30"
36" x 36"
48" x 48"



W6-2
30" x 30"
36" x 36"
48" x 48"



W6-3
30" x 30"
36" x 36"
48" x 48"



W7-1
24" x 24"
30" x 30"
36" x 36"
48" x 48"



W7-1A
24" x 24"
30" x 30"
36" x 36"
48" x 48"



W7-2
24" x 18"



W7-2B
24" x 18"



W7-3
24" x 18"



W7-3A
24" x 18"



W7-4B
78" x 60"



W7-5
18" x 18"
24" x 24"



W8-1
24" x 24"
30" x 30"
36" x 36"



W8-2
24" x 24"
30" x 30"
36" x 36"



W8-3
24" x 24"
30" x 30"
36" x 36"



W8-4
24" x 24"
30" x 30"
36" x 36"



W8-5
24" x 24"
30" x 30"
36" x 36"



W8-6
24" x 24"
30" x 30"
36" x 36"



W8-7
24" x 24"
30" x 30"
36" x 36"



W8-8
24" x 24"
30" x 30"
36" x 36"



W8-9
24" x 24"
30" x 30"
36" x 36"



W8-9A
24" x 24"
30" x 30"
36" x 36"



W8-13
30" x 30"
36" x 36"
48" x 48"



W9-1L
24" x 24"
30" x 30"
36" x 36"
48" x 48"



W9-1R
24" x 24"
30" x 30"
36" x 36"
48" x 48"



W9-2L
30" x 30"
36" x 36"
48" x 48"



W9-2R
30" x 30"
36" x 36"
48" x 48"



W10-1
18" x 36"
24" x 48"
30"



W10-2L
24" x 24"
30" x 30"
36" x 36"



W10-3L
24" x 24"
30" x 30"
36" x 36"



W10-4L
24" x 24"
30" x 30"
36" x 36"



W10-5
24" x 24"
30" x 30"
36" x 36"



W11-1
24" x 24"
30" x 30"
36" x 36"



W11-2
24" x 24"
30" x 30"
36" x 36"



W11-3
24" x 24"
30" x 30"
36" x 36"



W11-4
24" x 24"
30" x 30"
36" x 36"



W11-5
24" x 24"
30" x 30"
36" x 36"



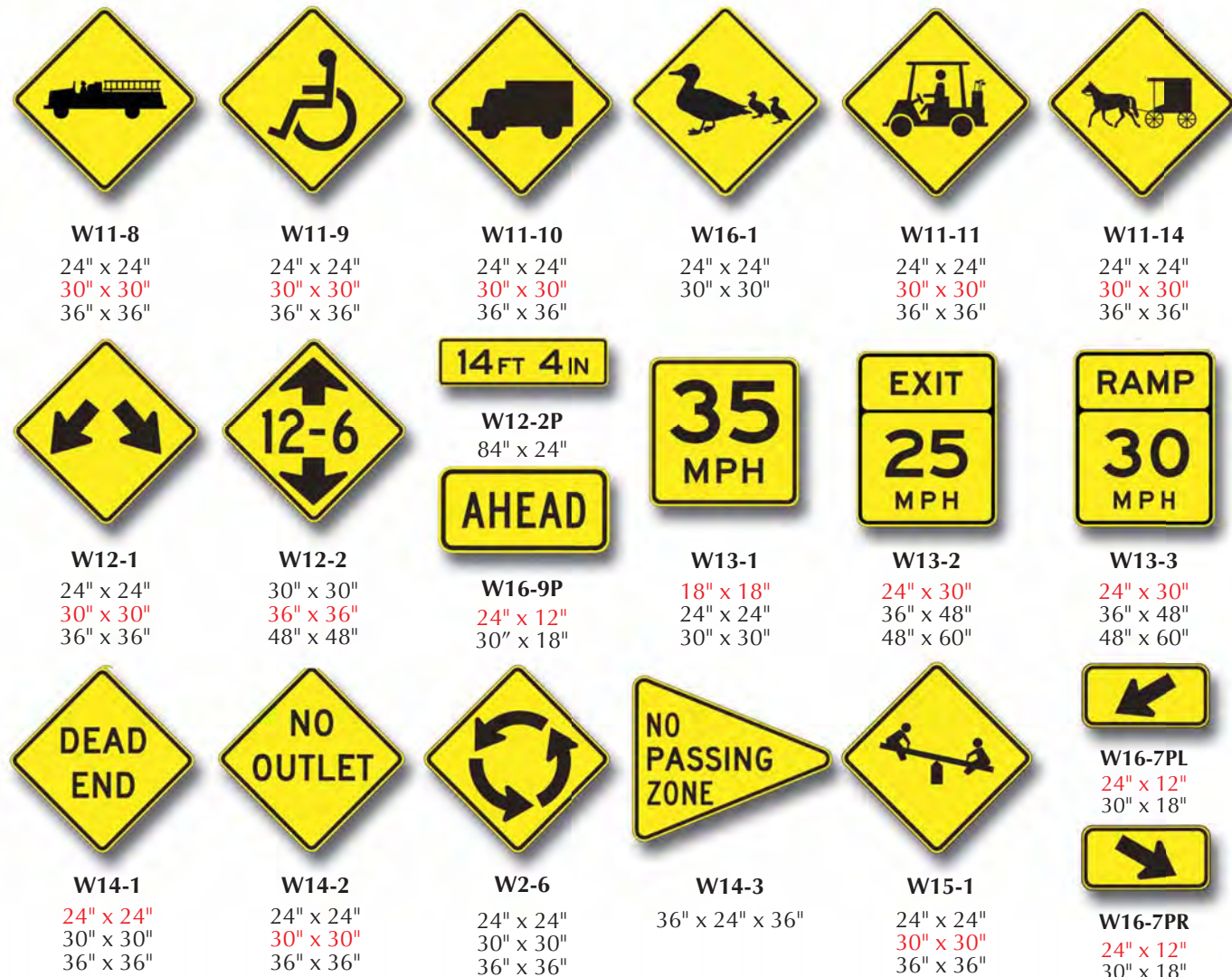
W11-6
24" x 24"
30" x 30"
36" x 36"



W11-7
24" x 24"
30" x 30"
36" x 36"

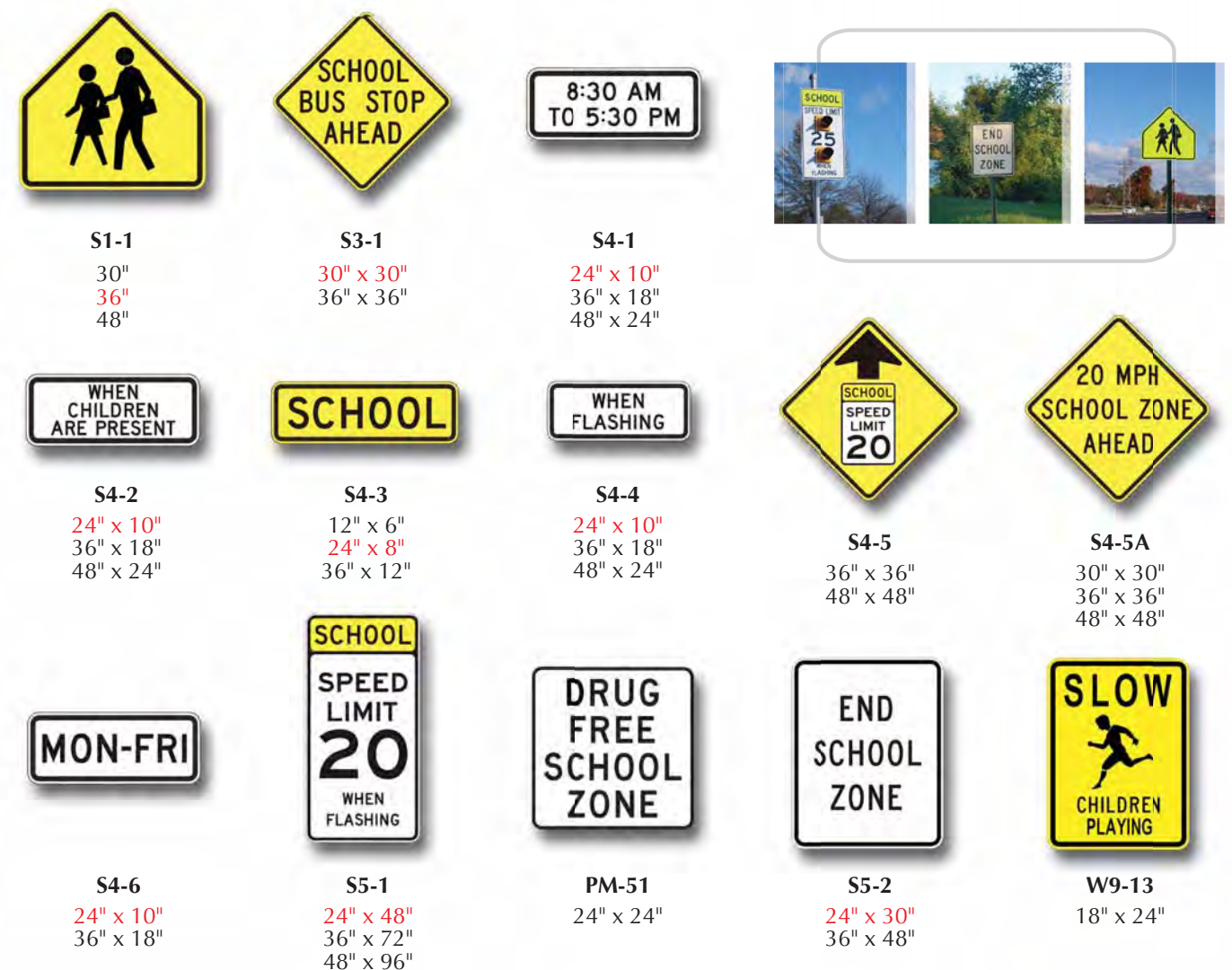
Warning Signs

Warning Signs



Red size indicates MUTCD standard sign size

School Signs



Red size indicates MUTCD standard sign size

Pedestrian Crosswalk Indicator

Crosswalk Indicator Kit available in Fluorescent Yellow Green or Yellow 3M™ Reflective Material mounted on plastic, aluminum or ALPOLIC®.

Kit includes 1 or 2 signs, flexible post and surface mount base. Sold Assembled.



Pedestrian Crosswalk Indicators are available in single sided or double sided kits. Optional portable base available upon request.



| PART NUMBER | SIGN KIT | SIDES |
|----------------------|---------------------|-------|
| SR1-61236DHASFLXKIT | Yield to Pedestrian | 1 |
| SR1-61236DHADFLXKIT | Yield to Pedestrian | 2 |
| SR1-6A1236DHASFLXKIT | Stop for Pedestrian | 1 |
| SR1-6A1236DHADFLXKIT | Stop for Pedestrian | 2 |

Civic Signs



Civic, Community or Neighborhood Signs

We'll create what you need with your name and/or logo. If you don't see exactly what you're looking for here, give us a call and we'll provide you with more options. See page 6 for ordering information.

Guide Signs

"Guide signs are essential to direct road users along streets and highways, to inform them of intersecting routes, to direct them to cities, towns, villages, or other important destinations, to identify nearby rivers and streams, parks, forests, and historical sites and generally to give such information as will help them along their way in the most simple, direct manner possible."

--
FHWA - Manual on Uniform
Traffic Control Devices



M1-1
24"
36"
48"



M1-2
24"
36"
48"



M1-3
24"
36"
48"



M1-4
24" x 24"
36" x 36"
48" x 48"



M1-5
24" x 24"
36" x 36"
48" x 48"



M1-6
18"
24"
30"



M1-7
18" x 12 3/4"
24" x 17"



M1-8
12" x 18"



M1-9
18" x 24"



M1-10
36" x 36"



M2-1
21" x 15"



M2-2
60" x 48"



M3-1
24" x 12"
30" x 15"



M3-2
24" x 12"
30" x 15"



M3-3
24" x 12"
30" x 15"



M3-4
24" x 12"
30" x 15"



M4-1
24" x 12"
30" x 15"



M4-1A
24" x 12"
30" x 15"



M4-2
24" x 12"
30" x 15"



M4-3
24" x 12"
30" x 15"



M4-4
24" x 12"
30" x 15"



M4-5
24" x 12"
30" x 15"



M4-6
24" x 12"
30" x 15"

Guide Signs



M5-1
21" x 15"



M5-2
21" x 15"



M6-1
21" x 15"



Arrow and Direction Signs are available in black/white for route markers and blue/white for interstate markers. Specify your color preference when ordering.



M6-2
21" x 15"



M6-3
21" x 15"



M6-4
21" x 15"



M6-5
21" x 15"



M6-6
21" x 15"



M6-7
21" x 15"



D1-1
VAR x 18"



D1-1A
VAR x 18"



D1-2
VAR x 30"



D1-3
VAR x 42"



D2-1
VAR x 18"



D2-3
VAR x 42"



D4-1
30" x 24"



D4-2
24" x 30"
30" x 36"
36" x 48"



D5-1B
120" x 60"



D5-2A
120" x 60"



D5-7
144" x 102"


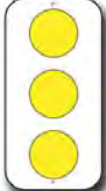

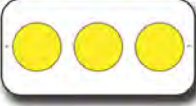
Guide Signs




| | | | | | |
|---|---|--|---|---|---|
|  |  |  |  |  |  |
| D8-1 60" x 48" 78" x 60" 96" x 72" | D8-3 48" x 42" 66" x 60" 84" x 78" | D9-1 18" x 18" 24" x 24" 30" x 30" | D9-1A 18" x 24" 24" x 30" 30" x 36" | D9-1B 18" x 24" 24" x 30" 30" x 36" | D9-2 18" x 18" 24" x 24" 30" x 30" |
|  |  |  |  |  |  |
| D9-3 18" x 18" 24" x 24" 30" x 30" | D9-3A 18" x 18" 24" x 24" 30" x 30" | D9-4 24" x 24" 30" x 30" | D5-5A 18" x 18" 24" x 24" 30" x 30" | D9-6 18" x 18" 24" x 24" 30" x 30" | D9-7 18" x 18" 24" x 24" 30" x 30" |
|  |  |  |  |  |  |
| D9-8 18" x 18" 24" x 24" 30" x 30" | D9-9 18" x 18" 24" x 24" 30" x 30" | D9-13 18" x 18" 24" x 24" 30" x 30" | D9-13A 24" x 12" | D9-14 24" x 12" 30" x 15" | D9-18 96" x 60" |
|  |  |  |  |  | |
| D9-18A 96" x 60" | E1-5 84" x 24" | E2-3 84" x 24" | I-2 VAR x 18" | I-3 VAR x 18" | |
|  |  |  |  |  | |
| I-5 18" x 18" 24" x 24" 30" x 30" | I-6 18" x 18" 24" x 24" 30" x 30" | I-8 18" x 18" 24" x 24" 30" x 30" | I-8P 24" x 12" | D11-1 24" x 18" 30" x 24" | |

Object Markers

END OF ROAD MARKERS

| | | |
|---|---|---|
|  |  |  |
| OM1-1 12" x 12" 18" x 18" | OM1-2 12" x 12" 18" x 18" | OM1-3 12" x 12" 18" x 18" |
|  |  |  |
| OM4-1 12" x 12" 18" x 18" | OM4-2 12" x 12" 18" x 18" | OM4-3 12" x 12" 18" x 18" |

| | | | |
|--|--|--|--|
|  |  |  |  |
| OM2-2V 6" x 12" | OM2-1V 6" x 12" | OM2-2H 6" x 12" | OM2-1H 6" x 12" |

| | | |
|---|---|---|
|  |  |  |
| OM-3C | OM-3L | OM-3R |

Keep drivers aware of hazardous areas along roads and highways with object markers and delineator panels. Whether the road ends or there's a series of sharp turns, let drivers know and keep them out of harm's way.



For more information on delineation markers see page 59.

Sizes:
6" x 24"
6" x 36"
6" x 48"
12" x 36"
12" x 48"

Logo Signs

Provide motorists with information on nearby travel services with our interstate logo signs. We offer logo signs to restaurants, hotels, gas stations, or local and historical attractions to appear on "food", "gas", "attractions" and "lodging" exit signs in compliance with state specifications. Mainline signs are displayed along the interstate whereas, ramp signs are generally smaller and posted on the off-ramp. Trailblazers are added for locations away from the interstate.



Whether you're a visitor in town or you need help remembering the exit for the mall, interstate signs keep you informed of where you are and where you need to go. Korman Signs offers a variety of Destination Signs from Exit to Mileage to Overhead Directional signs, all to meet your state's specifications. Various mounting configurations available upon your request.

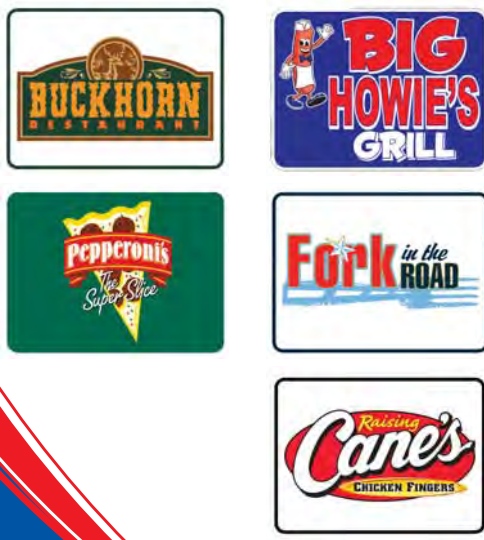
See page 20 of our MUTCD guide signs for more interstate/destination sign legends.

Mainline Sign



Ramp/ Trailblazer Sign

Logo sign specifications vary from state to state. Sign design and artwork must be submitted and approved by the state before the order is processed. Please specify the state where the sign will be displayed when ordering.



Our customer service representatives will gladly provide information on your options.

p: (800) 296-6050
f: (804) 261-1040
www.kormansigns.com



Ordering Information

Choose from the following:
Specify state where sign will be displayed

Sign Face Material: (3M™ Reflective Sheeting)
High Intensity Prismatic
Diamond Grade

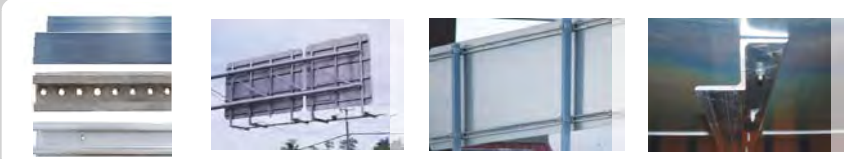
Sign Material:
.063 Aluminum
.080 Aluminum

Sign Colors:
Standard and Custom colors available in 3M™ inks
(There are some limitations on colors that can be provided without affecting the life expectancy of the ink.)

Sign Dimensions:
Mainline
60" x 36"
48" x 36"

Ramps/Trailblazers
30" x 18"
24" x 18"

Artwork:
Please provide a drawing or digital copy of your image



Sign Bracing
Check out our sign bracing options for mounting logo or interstate signs on pages 32-33.

Interstate Mileage Signs



D10-3
10" x 36"
12" x 48"

D10-3A
10" x 48"
12" x 60"

D10-4
18" x 54"

D10-5
18" x 60"



Mileage Signs available in 1,2, or 3 digit lengths and widths.

Street Name Signs

Korman Signs' street name signs combine quality with function to provide you with an exceptional product. Choose between several options to customize your street sign and go even further with a multi-colored logo or frame. We also offer a variety of mounting systems to meet your application needs. MUTCD Section 2D.43 now includes "The lettering for names of streets and highways on Street Name signs shall be composed of a combination of lower-case letters with initial upper-case letters."

Kk Kk Kk

Highway Traffic Series B Highway Traffic Series C Clearview 4W



Maroon on Diamond Grade with White Lettering and Logo



Brown on High Intensity Prismatic with White Lettering and Metal Frame



Green on Diamond Grade with White Lettering



Blue on Diamond Grade with White Lettering

Direct Mount System

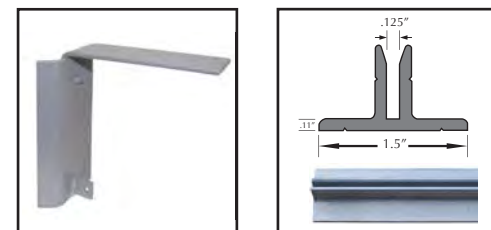


Direct mount hardware found on page 40.

The direct mount system uses ALPOLIC® or aluminum blades with a square post to make it the most vandal resistant street sign setup.

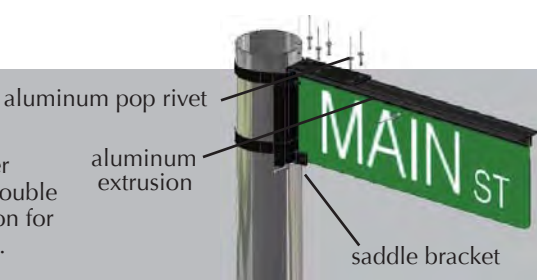


Saddle Bracket System



Saddle brackets found on page 37.

The saddle bracket system consists of a cantilever bracket riveted to a Double "T" aluminum extrusion for round or square posts.



Brackets

Brackets found on pages 34-37.



Street Sign mounting brackets for flat and extruded blades. Available for u-channel, round or square posts.



Our customer service representatives will gladly provide information on your options.

p: (800) 296-6050
f: (804) 261-1040
www.kormansigns.com



Ordering Information

Choose from the following:

Sign Face Material: (3M™ Reflective Sheeting)
Engineer Grade/ Engineer Grade Prismatic
High Intensity Prismatic
Diamond Grade

Sign Colors:

Green background with white letters
Blue background with white letters
Brown background with white letters
Custom color layouts available upon request

Sign Dimensions:

.080/.100/.125 flat aluminum blade
2mm ALPOLIC® blade (.080)
extruded aluminum blade

6" sign height
6¾" sign height
9" sign height

Length will vary depending on street name

- 6" sign will range from 24" - 42"
- 9" sign will range from 30" - 48"

Lettering:

All upper case
Mixed upper and lower case

Series B
Series C
Clearview
Custom Typeface

Prefix

Suffix

Block numbers

(above, below or replacing prefix/suffix)

Sides:

Single Sided
Double Sided

Layout:

Custom logo
Border

Street Name Signs



6" extruded blank



9" extruded blank



6" flat direct mount blank



9" flat direct mount blank

(Flat aluminum blank also available without holes)



9" side mount for wood post

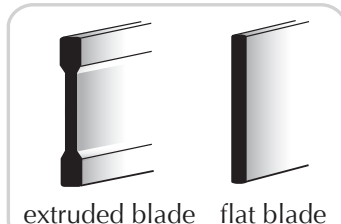


9" extruded

block numbers



6" direct mount

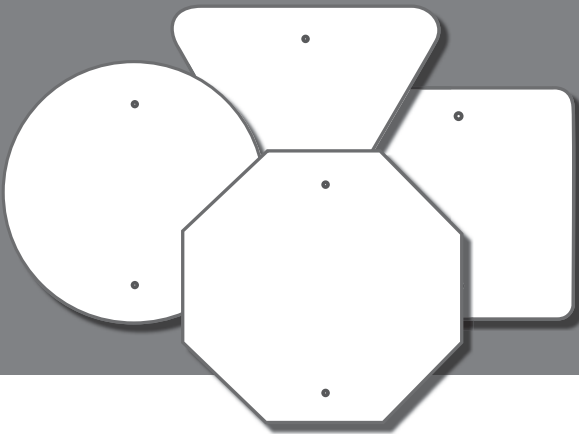


extruded blade flat blade

Profile of extruded and flat blade street signs

Korman Signs offers a variety of blanks in any combination of material, size and thickness. Whether you need a standard size sign blank or want to create custom features we can provide it in aluminum, ALPOLIC® 350 and fluted plastic. Sheets of materials are also available in multiple sizes.

Standard sizes and options are listed but other sizes, custom blanks or irregular blanks can be ordered at request.



Our customer service representatives will gladly provide information on your options.

p: (800) 296-6050
f: (804) 261-1040
www.kormansigns.com



Ordering Information

Choose from the following:

| | |
|------------------------|----------------------------|
| Sign Material: | |
| .040 Aluminum | 2mm ALPOLIC® (.080) |
| .063 Aluminum | 3mm ALPOLIC® (.120) |
| .080 Aluminum | 4mm ALPOLIC® (.160) |
| .100 Aluminum | 10mm Fluted Plastic (3/8") |
| .125 Aluminum | 13mm Fluted Plastic (1/2") |
| White Painted Aluminum | |

Corner Radius:
Standard corner radius comes with each blank depending on its size

Standard Hole Size: 3/8"
Other sizes available upon request

Aluminum
Alodized aluminum blanks are available for a variety of applications in multiple sizes and shapes. Each blank comes pre-corner radiused and hole punched unless otherwise noted. Irregular and custom shapes also available upon request.

ALPOLIC® 350
ALPOLIC® 350 is a polyethylene/aluminum laminate composite material used in temporary and permanent applications. It is exceptionally light, flat, strong, rigid, & resistant to breakage. See pages 30 & 74 for more information.

Fluted Plastic
Fluted plastic sign blanks are made of plastic sheeting extruded from polypropylene. It's fluted ribs support both surfaces making it light weight and generally used for temporary signage.



| | |
|---------------|-----|
| Circle | 18" |
| | 24" |
| | 30" |
| | 36" |



| | |
|----------------|-----------|
| Octagon | 18" x 18" |
| | 24" x 24" |
| | 30" x 30" |
| | 36" x 36" |
| | 48" x 48" |



| | |
|-----------------|-----------------|
| Triangle | 30" x 30" x 30" |
| | 36" x 36" x 36" |
| | 48" x 48" x 48" |



| | | |
|-----------------------|-----------|-----------|
| Square/Diamond | 12" x 12" | 30" x 30" |
| | 18" x 18" | 36" x 36" |
| | 24" x 24" | 48" x 48" |
| | | 60" x 60" |



| | |
|-----------------|-----------|
| Pentagon | 24" x 24" |
| | 30" x 30" |
| | 36" x 36" |

Vertical Rectangle

| | |
|-----------|-----------|
| 6" x 18" | 24" x 33" |
| 9" x 12" | 24" x 36" |
| 9" x 15" | 24" x 48" |
| 12" x 18" | 24" x 60" |
| 12" x 24" | 30" x 36" |
| 12" x 30" | 36" x 60" |
| 12" x 36" | 48" x 60" |
| 12" x 48" | |
| 12" x 60" | |
| 18" x 24" | |
| 18" x 36" | |
| 18" x 48" | |
| 18" x 60" | |
| 24" x 30" | |

• horizontal dimension shown first

Horizontal Rectangle

| | | |
|-----------|-----------|-----------|
| 12" x 6" | 36" x 12" | 48" x 9" |
| 18" x 12" | 36" x 18" | 48" x 12" |
| 21" x 15" | 36" x 24" | 48" x 18" |
| 24" x 6" | 36" x 30" | 48" x 24" |
| 24" x 9" | 42" x 9" | 48" x 30" |
| 24" x 12" | 48" x 6" | 48" x 36" |
| 24" x 18" | | |
| 27" x 9" | | |
| 30" x 6" | | |
| 30" x 9" | | |
| 30" x 18" | | |
| 30" x 24" | | |
| 36" x 6" | | |
| 36" x 9" | | |

• horizontal dimension shown first



(larger sizes available at request)

ALPOLIC® 350 for Permanent Signing

ALPOLIC® 350 is an aluminum/polyethylene/aluminum composite material that can be used in place of solid aluminum and other rigid sign substrates. ALPOLIC is approved for use in a number of permanent applications including, but not limited to, overhead signs, street name signs, stop signs, speed limit and warning signs. See page 74 in the Work Zone Section for more information on the uses of ALPOLIC® 350 in and around work zones.



Pressure sensitive sign faces are available for all standard signs which can be applied to aluminum, ALPOLIC® or fluted plastic blanks. We offer a wide variety of MUTCD and custom legends on several different 3M materials. For sign face legends see the section for traffic signs on pages 8-27.

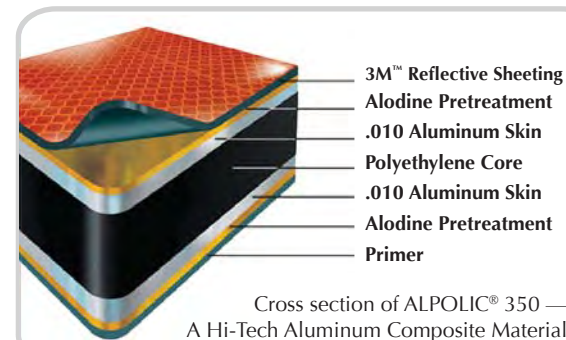
Our customer service representatives will gladly provide information on your options.

p: (800) 296-6050
f: (804) 261-1040
www.kormansigns.com

Sign faces are available in 3M™ Reflective:

Engineer Grade/ Engineer Grade Prismatic
High Intensity Prismatic
Diamond Grade

ALPOLIC 350® is manufactured by laminating two skins of aluminum to both sides of an extruded thermoplastic core under tension and pressure. The resulting composite product is light, exceptionally flat, strong, rigid, and resistant to breakage. It fabricates easily, just like aluminum, and enables operations such as bending, routing, folding, cutting, sawing, drilling, punching, and shearing. ALPOLIC® 350 is painted white on both sides presenting a suitable substrate for the acceptable adhesion of reflective sheeting.

**Consider the advantages of ALPOLIC 350®:**

- Lower cost compared to solid aluminum
- Half the weight of solid aluminum - safer handling and lower transportation costs
- Full warranties available
- Provides similar strength and rigidity as aluminum equivalents
- Compatible with existing flat sheet aluminum sign hardware and fastening systems
- Minimize theft, no value at recycle centers
- Reclaimable with hydro stripper for reuse
- Fabricates like aluminum



Reduce the stress and tension caused by heavy aluminum overhead signs with lightweight ALPOLIC® 350.

ALPOLIC® 350 has gone through several formal wind and stress tests. KSI has invested many hours in research and development at Advanced Technologies Inc. (ATI) subjecting the material to hurricane force winds up to 110 mph.

**Application**

Our application process allows for complete customization to deliver a made to order sign. We'll apply your choice of material or sign face to your choice of sign substrate, resulting in a quality, finished sign.

Custom Signs
Custom Signs

We understand the need for creativity and displaying signage that coordinates with the identity of your organization. We will work with you to meet your needs whether its an irregular shaped sign blank, multicolor custom colors, or a unique mounting system.

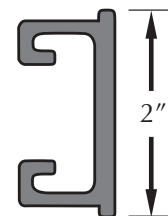
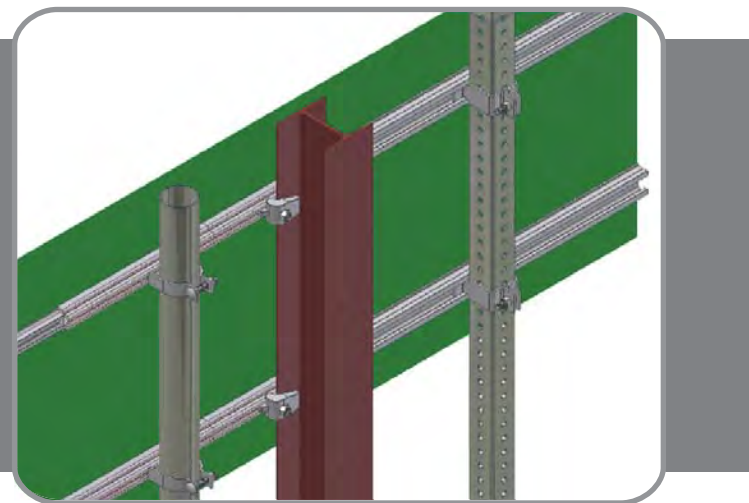
- Wayfinding Signs
- Business Signs
- Community Signs
- Recreational Signs



Sign Bracing

Sign bracing is an adjustable stiffening and clamping system for mounting signs to square, round, I-beam, mast arm and wood posts. Available in 12' or 24' sections, each piece can be custom cut or spliced to fit sign width.

- Supports signs in high wind areas
- Attach with bolts, drive rivets or VHB tape
- Signs can be offset in case of limited sign support space



PAASB200-12WH

12' x 2" Aluminum Sign Brace with 3/8" holes on 1" centers for attachment of sign substrate

PAASB200-24WH

24' x 2" Aluminum Sign Brace with 3/8" holes on 1" centers for attachment of sign substrate

PAASB200-12

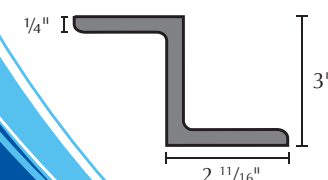
12' x 2" Aluminum Sign Brace with 3/16" holes on 6" centers for attachment of sign substrate

PAASB200-24

24' x 2" Aluminum Sign Brace with 3/16" holes on 6" centers for attachment of sign substrate

1MAZ30002688250

Aluminum Z-bar is used as a sign support and stiffener on large interstate signs. We offer a 3" x 2 11/16" x 1/4" Z-bar in a variety of lengths.



Aluminum Z-bar on an overhead guide sign



Sign Bracing Clamps

| PART NUMBER | DESCRIPTION | POST |
|--------------|---|--------|
| PASBC450RD | Sign Brace Clamp for 4 1/2" posts and up, used with stainless steel banding | round |
| PASBPC200SQS | Sign Brace Clamp for 2" post with hardware | square |
| PASBPC250SQS | Sign Brace Clamp for 2 1/2" post with hardware | square |
| PASBPC300SQS | Sign Brace Clamp for 3" post with hardware | square |
| PASBPCS44W | Sign Brace Clamp for 4" x 4" post with hardware | wood |
| PASBPCS46W | Sign Brace Clamp for 4" x 6" post with hardware | wood |
| PASBPCS66W | Sign Brace Clamp for 6" x 6" post with hardware | wood |
| PAASB-SPLC-6 | Aluminum Sign Brace Splice used for joining two separate pieces of sign bracing | N/A |

Sign Bracing



PASBC450RD



PASBPC200SQS



PAASB-SPLC-6



Sign Bracing Fasteners

| PART NUMBER | DESCRIPTION |
|---------------|--|
| HF4950100 | Double Sided VHB Tape 1" x 36 yds. |
| HF4950150 | Double Sided VHB Tape 1 1/2" x 36 yds. |
| HFSPDRA-316B | Blue Sign Panel Drive Rivet |
| HFSPDRA-316G | Green Sign Panel Drive Rivet |
| HFSPDRA-316Y | Yellow Sign Panel Drive Rivet |
| HFSPDRA-316BR | Brown Sign Panel Drive Rivet |



VHB Tape
3M™ VHB Tape is a double sided tape with high holding strength to replace screws, rivets, welds and silicones for static and dynamic loads.



HFSPDRA-316
Sign Panel Drive Rivet with protective nylon washer. Available in standard highway colors to match sheeting.



PABCA38KIT

J Type Clamp for I-beam with Aluminum T-Head Bolt and Quick Lock Adapter



PAQLBAA38KIT

Quick Lock Bolt Adapter with 3/8" x 2" T-Head Bolt

PAQLBAA38KIT3

Quick Lock Bolt Adapter with 3/8" x 3" T-Head Bolt



J Clamp
T-Head Bolt
Quick Lock Bolt Adapter
Sign Bracing

Brackets

**H318S**

Single sign clamp for 2" round post, holds one sign - 2 per sign.

HTSA2X116

Sign clamp for 2" round post, holds one sign - 2 per sign.

H318D

Double sign clamp for 2" round post, holds two signs mounted back to back - 2 per sign.

HBR4

Bracket for round post, will hold one or two signs mounted back to back - 2 per sign.

**H707EX2**

Round cap for 2" post, for extruded blades with 3/4" blade holder

**H707EX90**

90° Crosspiece, for extruded blades with 3/4" blade holder

H707EX45

45° Crosspiece, for extruded blades with 3/4" blade holder



for extruded blades

H707EXU90

U-Channel cap, 90° to flange on post; 3/4" blade holder

H707EXU180

U-Channel cap, 180° to flange on post; 3/4" blade holder

**H606F2**

Round cap for 2" post, for flat blades with 3/4" blade holder

**H606F90**

90° Crosspiece, for flat blades with 3/4" blade holder

H606F45

45° Crosspiece, for flat blades with 3/4" blade holder

**H606FU90**

U-Channel cap with bolts, sits 90° to flange on post; for flat blades with 3/4" blade holder

H606FU180

U-Channel cap with bolts, sits 180° to flange on post; for flat blades with 3/4" blade holder

**H808F2**

Round cap for 2" post, for flat blades with 5/4" blade holder

H808EX2

Round cap for 2" post, for extruded blades with 5/4" blade holder

**H808F90**

90° Crosspiece, for flat blades with 5/4" blade holder

H808EX90

90° Crosspiece, for extruded blades with 5/4" blade holder

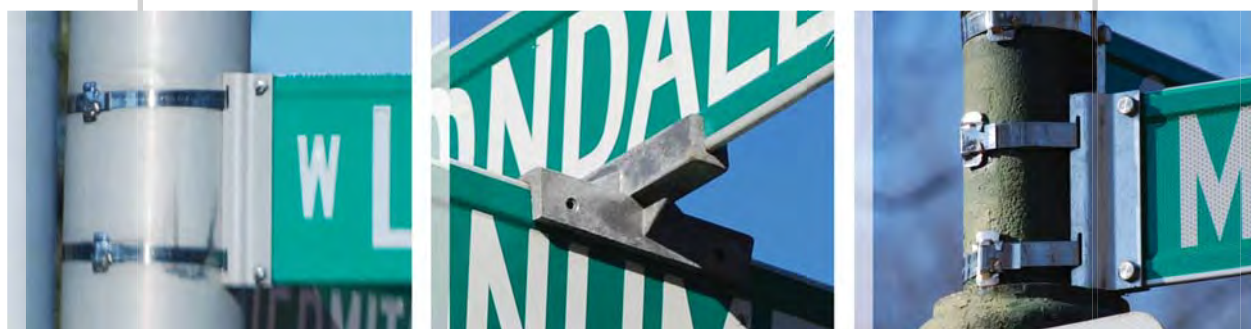
45° Crosspiece available for flat and extruded blades

**H808FU90/H808EXU90**

U-Channel cap with bolts, sits 90° to flange on post; for flat/extruded blades with 5/4" blade holder

H808FU180/H808EXU180

U-Channel cap with bolts, sits 180° to flange on post; for flat/extruded blades with 5/4" blade holder

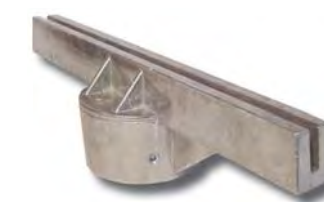


All brackets available with vandal resistant hardware, please specify at time of order; see page 36 for options.

**H809EXVP2**

Round cap for 2" post with flat or extruded blades, 6" blade holder for superior sign holding strength.

U-Channel cap and 90° Crosspiece also available.

**H812F2**

Round cap for 2" post, for flat blade with 12" blade holder

H812EX2

Round cap for 2" post, for extruded blade with 12" blade holder

**H812F90**

90° Crosspiece, for flat blade with 12" blade holder

H812EX90

90° Crosspiece, for extruded blade with 12" blade holder

Brackets



Style H850

2" x 2" Square cap for flat or extruded blades in 2 sizes

H850FS2 - 3 1/8" blade holder
H850FL2 - 5 1/4" blade holder
H850XS2 - 3 1/8" blade holder
H850XL2 - 5 1/4" blade holder



H827F/H827EX

Square cap for flat/extruded blades, 3 1/2" blade holder for 4" x 4" wood post. Normally mounted on top of post but may be mounted on side to be used as a cantilever bracket.



H909EXVP2

Round cap for 2" post with flat or extruded blades, 6" blade holder and tapped on 4 11/16" centers, bolt thru application only.

U-Channel cap and 90° crosspiece available.



H1010

Cantilever Arm Bracket for flat or extruded blades, 14 1/2" long

H1010EXT

Cantilever Arm Bracket extension for flat or extruded blades, 14 1/2" long. Total length with extension is 29".



PACSB200SQS-Z

Short Cantilevered Saddle Bracket for 2" Telespar post

PACSB200SQL-Z

Long Cantilevered Saddle Bracket for 2" Telespar post

Saddle Bracket used with Double T Extrusions, pictured on page 26.



PACSB450RDL-Z

Long Cantilevered Saddle Bracket for 4 1/2" or larger round posts

PACSB450RDS-Z

Short Cantilevered Saddle Bracket for 4 1/2" or larger round posts



H721F

Wing bracket for flat blades, 4 1/16" long. Can be secured to posts with metal strapping or by bolting through two countersunk holes.



H7309

Wing bracket for extruded blades with hardware, 9" blade

H730675

Wing bracket for extruded blades with hardware, 6 3/4" blade

H7306

Wing bracket for extruded blades with hardware, 6" blade



HDC9

Flared leg bracket for extruded blades without hardware, 9" blade



6"



9"

HHEN6

Mounting bracket for 6" extruded street sign

HHEN9

Mounting bracket for 9" extruded street sign



12"

HHEN12

Mounting bracket to hold sign at 45° angle; intended for parking signs



HHEN9S

Mounting bracket for 9" extruded street sign, to be used with 2" square posts



HFG25CSS05Z

5/16" Standard Zinc Plated Set Screw, available in Stainless Steel (HF-5CSS05SS)



HFG25CVPSS05Z

5/16" Vandal Resistant Set Screw with center pin



HFG25CBHVPSS10Z

5/16" x 1" Vandal Resistant Bolt



T-Handle wrenches are used for the installation of standard and vandal resistant hardware

HA316VP

3/16" T-Handle Wrench

HA532VP

5/32" T-Handle Wrench



Post Caps



HCC250

Dome Rain Cap for 2" round post



HCCAG509

Galvanized Cap for 4" x 4" square post, plated steel

Available in 3" x 3"



HCC22

Pyramid Rain Cap for 2" x 2" square post

Available in Powder Coated Colors

Span Wire Brackets



For more information on Span Wire Brackets please contact one of our customer service representatives toll-free 1.800.296.6050.



BAND-IT® Band and Buckle systems are used to mount traffic signs, security devices and enclosures. Their specially designed reinforcement ribs allow the system to withstand stress and wind vibration. Each mounting bracket is fully threaded to solidly anchor attachment bolts. Hex head bolts with metal and fiber washers available, no nuts required. Strapping also available in a variety of band sizes providing superior performance, UV resistance and durability.



Brackets & Mounting Hardware

| PART NUMBER | DESCRIPTION | QUANTITY |
|-------------|---|----------|
| HBD310 | Flared Leg Mini-Brack-It, SS with SS bolt and fiber washer. 1/2" slot | 50/box |
| HBD315 | Straight Leg Mini-Brack-It, SS, with SS bolt and fiber washer. 1/2" slot | 50/box |
| HBD021 | Single Bolt Flared Leg SS Brack-It with SS bolt, washer & fiber washer. 3/4" slot | 50/box |
| HBD001 | Single Bolt Straight Leg SS with SS bolt, washer and fiber washer. 3/4" slot | 50/box |
| HBD008 | 2 Bolt Straight Leg SS Brack-It with SS bolt, washer and fiber washer. 3/4" slot | 50/box |
| HBD007 | L-Mount right angle Brack-It, 0.070" thick SS, includes 2 bolt holes suitable for 5/16" or 1/4" bolts. Solid anchor for signs mounted at right angle. Does not include bolts. | 50/box |
| HBD002 | 5/16"-18 x 3/4" Hex Head SS bolt, washer & fiber washer | 50/box |

Ear-Lokt Buckles



| PART NUMBER | WIDTH | QUANTITY |
|-------------|-------|----------|
| HBC254 | 1/2" | 100/box |
| HBC255 | 5/8" | 100/box |
| HBC256 | 3/4" | 100/box |

Valuclips



| PART NUMBER | WIDTH | QUANTITY |
|-------------|-------|----------|
| HBC153 | 3/8" | 100/box |
| HBC154 | 1/2" | 100/box |
| HBC155 | 5/8" | 100/box |
| HBC156 | 3/4" | 100/box |



Scru-Seal Clamping System

| PART NUMBER | DESCRIPTION | QUANTITY |
|-------------|--|----------|
| HBM210 | Scru-Seal Kit includes: 25 Scru-Seal racks, 25 housings, VALUSTRAP™ band 3/8" x 0.015" x 100'. Screwdriver used to tighten clamp. | 25/box |
| HBM211 | SS Scru-Seal Racks and Housings - a rack and pinion system used with band to create any size clamp. Screwdriver used to tighten clamp, not included. | 10/box |

VALU-STRAP™

| PART NUMBER | WIDTH | THICKNESS | LENGTH |
|-------------|-------|-----------|---------|
| HBC127 | 3/8" | 0.017 in. | 200 ft. |
| HBC128 | 1/2" | 0.017 in. | 200 ft. |
| HBC129 | 5/8" | 0.017 in. | 200 ft. |
| HBC130 | 3/4" | 0.017 in. | 200 ft. |
| HBC133 | 3/8" | 0.017 in. | 100 ft. |
| HBC134 | 1/2" | 0.017 in. | 100 ft. |
| HBC135 | 5/8" | 0.017 in. | 100 ft. |
| HBC136 | 3/4" | 0.017 in. | 100 ft. |

VALU-STRAP Plus™

| PART NUMBER | WIDTH | THICKNESS | LENGTH |
|-------------|-------|-----------|---------|
| HBC161 | 3/4" | 0.022 in. | 100 ft. |
| HBC163 | 3/4" | 0.022 in. | 200 ft. |
| HBC171 | 5/8" | 0.022 in. | 100 ft. |
| HBC181 | 1/2" | 0.022 in. | 100 ft. |
| HBC183 | 1/2" | 0.022 in. | 200 ft. |

- Economical band suitable for light duty applications
- May be 200 or 300 series SS, typically non-magnetic

Band-It™ Band

| PART NUMBER | WIDTH | THICKNESS | LENGTH |
|-------------|-------|-----------|---------|
| HBC204 | 1/2" | 0.030 in. | 100 ft. |
| HBC205 | 5/8" | 0.030 in. | 100 ft. |
| HBC206 | 3/4" | 0.030 in. | 100 ft. |

- 201 SS, bright annealed finish sets the standard with a combination of high strength and quality appearance
- Offers good resistance to oxidation and many moderate corrosive agents
- EASY SCALE - Patented imprint on the band to quickly determine band length without waste
- Durable plastic tote dispensers available



HBC001
Hand Tool - for band widths from 3/16" to 3/4"



BAND-IT™ strapping available in boxed rolls or plastic tote dispensers

Hardware

Drive Rivets & Washers



| PART NO. | O.D. | I.D. | TK |
|-------------|--------|-------|-------|
| HF73116N | 7/8" | 3/8" | 1/16" |
| HF731N | 7/8" | 3/8" | 1/8" |
| HF13818N | 1" | 3/8" | 1/8" |
| HF87161 | 1" | 7/16" | 1/8" |
| HF112528116 | 1 1/4" | .391" | 1/16" |
| HF11252818 | 1 1/4" | .391" | 1/8" |

HFDR3878EAS
3/8" Aluminum Shell/Steel Pin
Drive Rivet

HFDR3878-06-W
3/8" Aluminum Shell/Steel Pin
Drive Rivet with nylon washer

Nylon Washers
Multiple sizes,
varying in diameter
and thickness



Direct Mount
Hardware

See page 26 for more
information on direct
mount street signs.



HFCHEBSLM-8BP-26
1/4" Aluminum Cherry Mate Rivet
#26 use with 1 1/2" Telespar

HFCHEBSLM-8BP-30
1/4" Aluminum Cherry Mate Rivet
#30 use with 1 3/4" Telespar

HFCHEBSLM-8BP-34
1/4" Aluminum Cherry Mate Rivet
#34 use with 2" Telespar



HFPVCSP175
1 3/4" x 1/2" PVC Spacer / fits #34
Cherry Mate Rivet

Telespar Connector
Brackets

See pages 43-49 for more
information on Telespar posts,
anchors and break-away bases.



PATL020EG
90° Fitting for Square
Telespar Post

PATL019EG
Offset 45° Fitting for
Square Telespar Post



PATL016EG
L Fitting for Square
Telespar Post

PATL015EG
T Fitting for Square
Telespar Post

PATL018EG
Straight Fitting for Square
Telespar Post

Corner Bolts

See page 45 for more
information on corner
bolt usage.



HFCB516SZ
5/16" Small Corner Bolt fits
1 3/4" - 2" square Telespar anchor

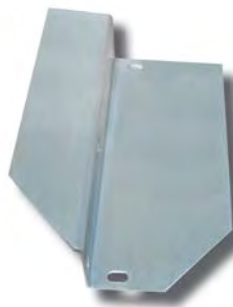
HFCB516ME
5/16" Medium Corner Bolt fits
2 1/4" - 2 1/2" square Telespar anchor

HFCB516LE
5/16" Large Corner Bolt fits
2 3/4" - 3" square Telespar anchor

HFFN516E
5/16" Flanged Nut



HFCBFN516ME
5/16" Medium Corner Bolt with
Flanged Nut, kit for securing the
post to the anchor



Guard Rail Clamp

PASS10-250E
Bolt On Soil Stabilizer - keeps
larger sign installations from
leaning in soft soil, fits 1 3/4" - 2 1/2"
Telespar anchor

PATL130EG
Guard Rail Clamp - secures 1 3/4" -
2" square Telespar post directly to
guardrail

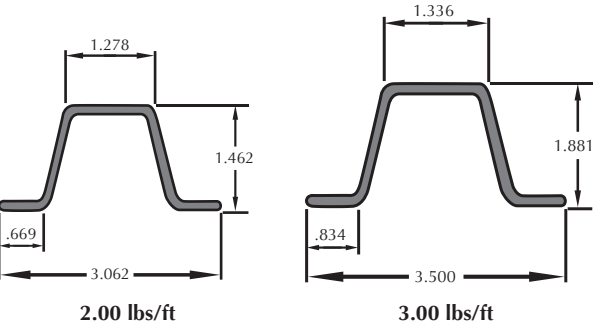
U-Channel Posts

U-Channel Sign Posts are manufactured from high quality, high tensile steel and finished with baked enamel paint or powder coating; also available in hot-dipped galvanized finish exceeding ASTM specifications. One person can install or replace a complete post and sign assembly in minutes. Delineator posts available in 1.33 #/FT or 1.12 #/FT in multiple lengths. FHWA accepted and NCHRP 350 approved.



Galvanized Green

Standard punching is 3/8" holes on 1" centers beginning 1" from top of post.



| PART NUMBER | | LENGTH x LBS/FT |
|-------------|------------|-----------------|
| GREEN | GALVANIZED | |
| PU6X2GR | PU6X2GA | 6' x 2 #/FT |
| PU7X2GR | PU7X2GA | 7' x 2 #/FT |
| PU8X2GR | PU8X2GA | 8' x 2 #/FT |
| PU9X2GR | PU9X2GA | 9' x 2 #/FT |
| PU10X2GR | PU10X2GA | 10' x 2 #/FT |
| PU10X3GR | PU10X3GA | 10' x 3 #/FT |
| PU11X2GR | PU11X2GA | 11' x 2 #/FT |
| PU11X3GR | PU11X3GA | 11' x 3 #/FT |
| PU12X2GR | PU12X2GA | 12' x 2 #/FT |
| PU12X3GR | PU12X3GA | 12' x 3 #/FT |

(Other weights and lengths available upon request)

U-Channel Breakaway Systems

Lap Splice™

The Lap Splice™ is a ground-mounted, bolted base breakaway system for U-Channel posts.

- Base is easily driven in even the hardest soils from ground level with manual or power tools
- Nest and bolt top post to bottom post in minutes
- System utilizes two special bolts and a bar spacer
- System forms a union as strong as the posts themselves
- Installation crews spend less time by the side of the road

Slip-Safe Supreme™

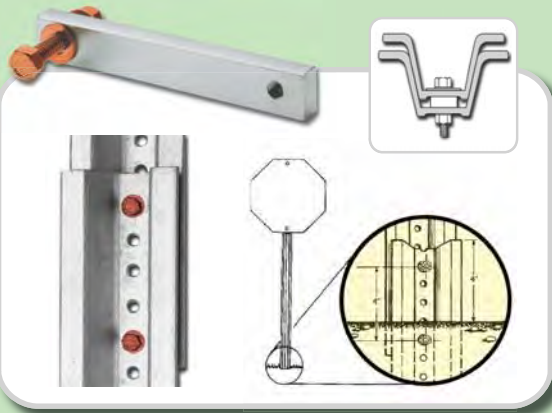
is a 360° breakaway system for mid-size sign supports (not pictured)



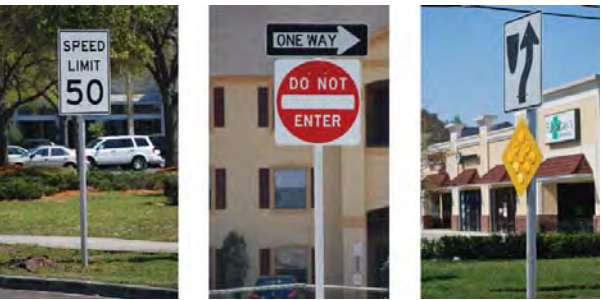
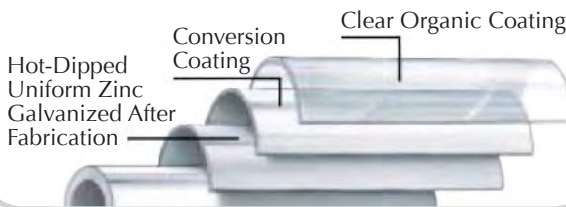
Slip-Safe™

The Slip-Safe™ is a durable, safe and reusable breakaway system that's an ideal solution for small sign supports in high-impact areas.

- Utilizes a short u-channel base or ground post so it can easily and quickly be driven into the ground in minutes
- Specially designed castings are bolted to top and bottom posts
- System bolted together with U-washers and a keeper plate in between top and bottom assemblies



Flo-Coat® Process



Simply the best round sign post product in terms of strength and protection from the elements, Allied's Flo-Coat® Galvanized Round Sign Post is certain to meet the requirements of your round sign post specification. The Flo-Coat® process produces a triple-coat of protection and a shiny appearance resulting in a round sign post product that will last for many years to come.

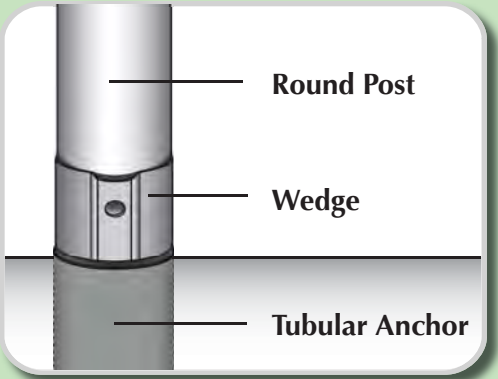
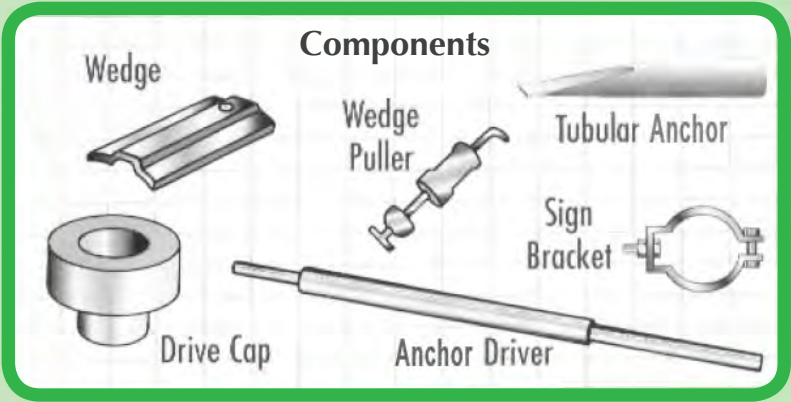
- Interior corrosion resistant coating
- Cold-formed steel providing high yield/high tensile strength
- Flo-Coat® uniform zinc galvanizing
- Conversion coating
- Clear organic coating

| PART NUMBER | LENGTH x SIZE |
|-------------|----------------------|
| PR10X238GA | 10' x 2 3/8" OD 16GA |
| PR12X238GA | 12' x 2 3/8" OD 16GA |
| PR16X238GA | 16' x 2 3/8" OD 16GA |

(Other weights and lengths available upon request)

Round Post Socket & Wedge System

The Allied Round Post Socket and Wedge System offers an economical signpost choice without sacrificing ease of installation or superior corrosion protection. With only a few key components, this sign system is fast and easy to install. Just drive the tubular socket into the ground, insert the signpost and add the wedge! The socket and wedge anchor system make it both easy to re-use and hard to vandalize.



- Components are reusable when socket is properly installed flush with the surface
- Quick and simple installation
- Reduces costs and waste by re-using most components
- FHWA accepted and NCHRP 350 approved

Square Breakaway Posts



The Telespar Square Post System consists of square, perforated, welded steel tubing, in eight sizes and three gauges. Fully punched holes or "knock-outs" on all four sides allow signs to be mounted back to back and on adjacent sides.

The unique manufacturing method used to produce Telespar tubing permits tubular sections of different sizes to telescope into the next larger size making adjustment, reinforcement and splicing fast & easy. The square shape also provides superior windload capabilities and torsional stability.



Experience the versatility of the Telespar Square Post System in a variety of applications:

| | |
|---------------------------------------|-------|
| Mounting Brackets | 33-37 |
| Hardware and Accessories | 40-41 |
| Anchors | 47-50 |
| Breakaway Bases | 48-49 |
| Manual and Powered Post Drivers | 51-53 |
| Post Extractors | 54 |

• Salvageability

A major portion of the damaged signpost can be saved and spliced with another Telespar section, reducing the accumulating piles of useless damaged posts. Also allows for quick & simple field repairs.



• Rapid Replacement



Telespar sign supports can be replaced more quickly and easily by a one-man crew than other products on the market. Within minutes, one man, working at ground level, can replace vital traffic signs, thus ensuring that dangerous intersections will not be left without proper signs for extended periods of time.

• Safety

The Telespar System was the first to be used effectively in a yielding breakaway concept for small sign-support systems. It is FHWA approved, and in compliance with AASHTO specifications.



• Torsional Stability



The utilization of Telespar tubing means substantial reduction of sign flutter in high wind, and less loosening and damaging of sign blanks on the post. And in many applications, a single highly-stable Telespar post will do the job of two U-channel posts!

• Fast & Easy Installation

All work can be done by one worker at ground level, eliminating the need for bucket trucks and similar heavy equipment. Independent tests show that Telespar signposts go up in about half the time compared to other materials.



Fully Punched Posts

Fully Punched Telespar Square Posts with 7/16" pre-punched holes on 1" centers are the standard against which all other signposts are measured. Precision manufactured from the highest-quality steel, Telespar posts are corner-welded to allow smooth telescoping action — a key to the system's versatility and ease of installation.

- Easy, safe installation by hand or power
- Convenient sign mounting before installation
- Superior torsional strength
- Versatile, four-sided sign mounting at any height
- Fast, economical replacement of damaged sign posts
- FHWA-approved yielding capability

| PART NUMBER | SIZE | WALL THICKNESS |
|----------------|-------------------|----------------|
| PSTS10X2GA12 | 10' x 2" x 2" | 12 GA |
| PSTS10X2.5GA12 | 10' x 2.5" x 2.5" | 12 GA |
| PSTS12X2GA12 | 12' x 2" x 2" | 12 GA |
| PSTS12X2.5GA12 | 12' x 2.5" x 2.5" | 12 GA |
| PSTS14X2.5GA12 | 14' x 2.5" x 2.5" | 12 GA |

| PART NUMBER | SIZE | WALL THICKNESS |
|--------------|---------------|----------------|
| PSTS8X2GA14 | 8' x 2" x 2" | 14 GA |
| PSTS10X2GA14 | 10' x 2" x 2" | 14 GA |
| PSTS12X2GA14 | 12' x 2" x 2" | 14 GA |
| PSTS14X2GA14 | 14' x 2" x 2" | 14 GA |

| PART NUMBER | SIZE | WALL THICKNESS |
|------------------|---|--------------------|
| PSTS6X2.188GA10 | 6' x 2 ³ / ₁₆ " x 2 ³ / ₁₆ " | 10 GA (Heavy-Duty) |
| PSTS10X2.5GA10 | 10' x 2.5" x 2.5" | 10 GA (Heavy-Duty) |
| PSTS12X2.188GA10 | 12' x 2 ³ / ₁₆ " x 2 ³ / ₁₆ " | 10 GA (Heavy-Duty) |
| PSTS12X2.5GA10 | 12' x 2.5" x 2.5" | 10 GA (Heavy-Duty) |
| PSTS14X2.5GA10 | 14' x 2.5" x 2.5" | 10 GA (Heavy-Duty) |
| PSTS16X2.5GA10 | 16' x 2.5" x 2.5" | 10 GA (Heavy-Duty) |

(Other sizes available upon request)

Installation

- 1 Drive a minimum 30" piece of 12 gauge Telespar (anchor) into the soil until only 1-2 inches are left exposed. For a 2-piece anchor, use a 18" piece of tubing for a sleeve, one size larger than the anchor. Make sure the anchor and sleeve holes are aligned.
- 2 Attach the sign to the post at the desired height using drive rivets or bolts.
- 3 Insert the signpost, which is one size smaller than the anchor, about 6-8 inches in the anchor base.
- 4 Bolt the signpost to the anchor assembly with a corner bolt.

Simple • Fast • Safe



Corner Bolts

The corner bolt is used to take up tolerance, by concentrating fastening tension on only one corner of the tubing and preventing distortion of opposite tube walls which can occur when conventional through-bolts are over-tightened. If these simple steps are followed, an impacted post will break just above the anchor, or possibly at bumper height. To repair, simply remove the corner bolt, pull the post stub out of the anchor and replace it with a new post.



Corner Bolt
See page 40 for hardware

Qwik-Punch® Posts

Anchors

Qwik-Punch Square Sign Posts are manufactured with 7/16" "knockouts" on all four sides. This feature allows workers in the field to quickly punch holes exactly where they are needed for anchor connections or sign mounting. The balance of the post is left with a smooth unbroken appearance. Qwik-Punch Square Sign Posts offer the same telescoping action and easy installation as standard Telespar Sign Supports.

- Easy, safe installation by hand or power
- Convenient sign mounting before installation
- Superior torsional strength
- Versatile, four-sided sign mounting at any height
- Fast, economical replacement of damaged sign posts
- FHWA-approved yielding capability

| PART NUMBER | SIZE | WALL THICKNESS |
|--------------|---------------|----------------|
| PSQP8X2GA14 | 8' x 2" x 2" | 14 GA |
| PSQP10X2GA14 | 10' x 2" x 2" | 14 GA |
| PSQP11X2GA14 | 11' x 2" x 2" | 14 GA |
| PSQP12X2GA14 | 12' x 2" x 2" | 14 GA |
| PSQP14X2GA14 | 14' x 2" x 2" | 14 GA |

(Other sizes available upon request)



PASP8-4375
Slug Punch

Qwik-Punch posts use a Slug Punch to knock out the holes needed for anchor connections or sign mounting. The rest of the post is left with a smooth, unbroken appearance.



| PART NUMBER | SIZE | WALL THICKNESS | ANCHOR | POST SIZE |
|------------------|-----------------------|----------------|---------------------------|-----------|
| PSQP30X2.25GA12P | 30" x 2 1/4" x 2 1/4" | 12GA | 8 Hole Galvanized Anchor | 2" |
| PSQP36X2.25GA12P | 36" x 2 1/4" x 2 1/4" | 12GA | 8 Hole Galvanized Anchor* | 2" |

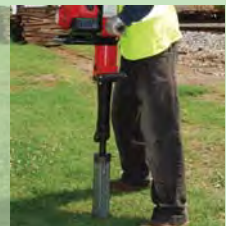
| PART NUMBER | SIZE | WALL THICKNESS | ANCHOR | POST SIZE |
|------------------|-----------------------|----------------|---------------------------|-----------|
| PSTS30X2.25GA12P | 30" x 2 1/4" x 2 1/4" | 12GA | Galvanized Square Anchor | 2" |
| PSTS36X2GA12P | 36" x 2" x 2" | 12GA | Galvanized Square Anchor | 1.75" |
| PSTS36X2.25GA12P | 36" x 2 1/4" x 2 1/4" | 12GA | Galvanized Square Anchor* | 2" |

| PART NUMBER | SIZE | WALL THICKNESS | ANCHOR | POST SIZE |
|----------------|---------------|----------------|--------------------------------|-----------|
| PSTSQDA250-36G | 36" x 3" x 3" | 7GA | Heavy Duty Quick Drive Anchor* | 2.5" |

| PART NUMBER | SIZE | WALL THICKNESS | ANCHOR | POST SIZE |
|----------------|-----------------------|----------------|----------------------------|-----------|
| PSTSHDA200-30G | 30" x 2 1/2" x 2 1/2" | 7GA | Heavy Duty Tubular Anchor | 2" |
| PSTSHDA200-36G | 36" x 2 1/2" x 2 1/2" | 7GA | Heavy Duty Tubular Anchor | 2" |
| PSTSHDA250-36G | 36" x 3" x 3" | 7GA | Heavy Duty Tubular Anchor* | 2.5" |
| PSTSHDA250-42G | 42" x 3" x 3" | 7GA | Heavy Duty Tubular Anchor | 2.5" |
| PSTSHDA250-48G | 48" x 3" x 3" | 7GA | Heavy Duty Tubular Anchor | 2.5" |

| PART NUMBER | SIZE | WALL THICKNESS | ANCHOR | POST SIZE |
|----------------|---------------|----------------|---------------------------|-----------|
| PSTSTWA250-36G | 36" x 3" x 3" | 7GA | Heavy Duty Winged Anchor* | 2.5" |
| PSTSTWA250-42G | 42" x 3" x 3" | 7GA | Heavy Duty Winged Anchor | 2.5" |
| PSTSTWA250-48G | 48" x 3" x 3" | 7GA | Heavy Duty Winged Anchor | 2.5" |

* anchor pictured below

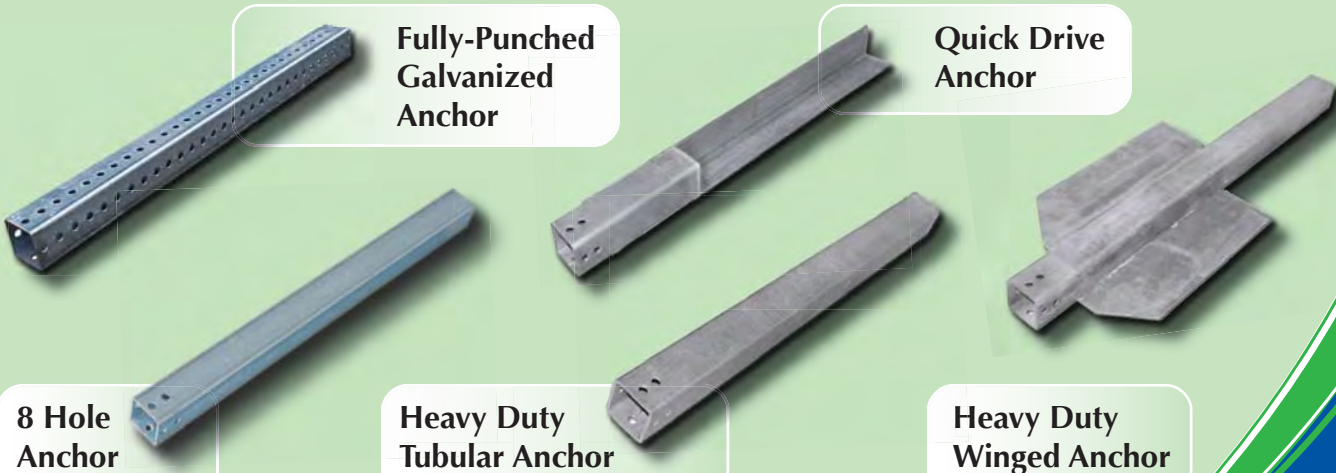


Anchors



Anchors are designed to be driven into the soil leaving about 1" - 2" above the ground. Once the anchor is in the ground, insert the signpost into the anchor and secure with a corner bolt and nut. If the sign post is ever damaged the original anchor can be reused.

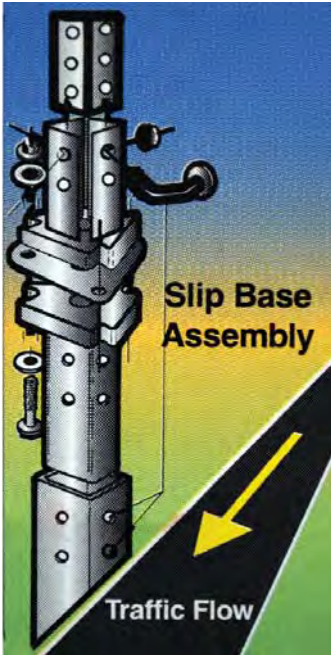
For anchor installation choose from a manual or powered device and the corresponding drive cap. When using a power driver a shank and appropriate drive cap is required. For more information on drivers and drive caps see page 51-53.



Slip Bases

Slip Base Assemblies "break away" on impact, therefore reducing damage to the vehicle and its occupants. It's easy to install into the anchor; simply insert the bottom half of the slip base down into the anchor and secure with shoulder bolts. Then, insert the sign post into the top half receiver of the slip base and secure with shoulder bolts.

Upon impact, the top half of the slip base separates from the bottom half and in most instances the post sustains little or no damage. The slip base assembly can be used over and over again reducing waste and costs.



Top half with shoulder bolts



Bottom half with shoulder bolts



Bottom Half

Top Half

PSTSSB8XT-2525-G
8" Slip Base Assembly for 3" Anchor & 2.5" Post

Hardware included with each Slip Base Assembly :
Shoulder Bolts and Nuts



Triangular Multi-Directional Slip Base Match Plate Hardware Kit

PASB8-HDW : Size : 8"

Slip Base Hardware Kit includes:

PARGT-8
8" Teflon Retainer Gasket

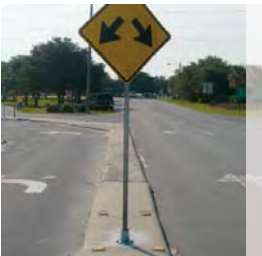
HFFW50-138-Z
1/2" Flat Washer

HFG8FB50-275-Z
1/2" X 23/4" Gr. 8 Flange Bolt

HFG8FN50-Z
1/2" Gr. 8 Flange Nut

HFRBSS50-50
1/2" Stainless Release Bushing

Kleen Break Surface Mount



NCHRP 350 Tested, FHWA Accepted (SS-131)



PAXKBSM42520-G
Kleen Break Surface Mount with hardware

Kleen Break Ground Mount



NCHRP 350 Tested, FHWA Accepted (SS-131)



1CPAXKB42520-G
Kleen Break Ground Mount with hardware

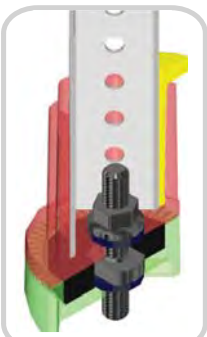
The Kleen Break system is available, depending on the application, in Ground Mount and Surface Mount Assemblies. The Kleen Break system provides flush mounting so that after an impact, the bottom portion will remain flush with the surface to prevent tripping hazard(s) to pedestrians. When properly installed, the Kleen Break assembly supports the sign and post at 100% of the strength of the post for windloading, yet breaks away per NCHRP 350 criteria when impacted.

- Allows for 360° indexing for proper sign orientation after anchoring half is permanently set
- All components are reusable with the exception of the shear bolt, which must be replaced after each impact
- Reuse of rubber bushing and locking wedge is determined by their condition after impact
- Accepts 1 3/4" & 2" square posts

PAXKBW-1516
Kleen Break Shear Bolt Wrench



PASBH5840Z
Shear Bolt Assembly



This system is designed around the shear bolt assembly which connects the base to the anchor. The shear bolt allows the post and base to break away from the anchor on impact with minimal damage to the post. The result is an inexpensive replacement bolt and a reusable post, base and anchor.

Surface Bases



PAPBS200G

Pedestal Base - cast iron sign post base which attaches to concrete using anchor bolts; for 2" square posts

- Three slotted anchoring holes in circular base
- Two set screws positioned on the neck of the base
- Drain grooves on the underside of bottom
- Hot dipped galvanized finish

PACBM175250G

Concrete Barrier Mount - economic way to surface mount to median barriers and bridge rails; for 1 3/4" - 2 1/2" square posts

- Bi-directional mounting bolt pattern creates a positive attachment that is virtually permanent under any condition
- Hot dipped galvanized finish

PAFCB175250G

Flat Concrete Base - an economical answer to surface mounting of square signposts; for 1 3/4" - 2 1/2" square posts

- Installation is easy using a concrete drill and four concrete fasteners
- Shimming with standard 1/2" washers may be done to plumb unit on sloping surfaces
- Hot dipped galvanized finish

Shanks

Lock & Release Power Drive Shanks

PADS4875LR
Drive Shank 7/8" x 4 1/4"

PADS4100LR
Drive Shank 1" x 4 1/4"

PADS61250LR
Drive Shank 1 1/4" x 6"

PADS61125LR
Drive Shank 1 1/8" x 6"

(Shanks fit all Lock & Release Drive Caps)

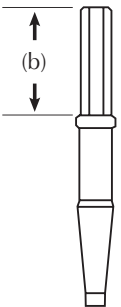


Proper shank size determined by two measurements :

a) hex width across opposing flats



b) hex length from locking collar to top of hex



Drive Caps



Protect the top of your posts and anchors when driving them in the ground with one of our drive caps for u-channel, round and/or square posts. Drive Caps, both power and manual, should receive as vertical an impact as possible and remain square to minimize post or drive cap distortion. For more information on power and manual drivers see pages 52-53.

Manual Drive Caps: For use with Sledge Hammer

| PART NUMBER | POST | FITS ANCHOR SIZE | WEIGHT |
|-------------|--------|------------------|----------|
| PADC150175M | square | 1 3/4" x 12 ga. | 4.73 lb. |
| PADC175200M | square | 2" x 12 ga. | 5.25 lb. |
| PADC200225M | square | 2 1/4" x 12 ga. | 5.85 lb. |
| PADC219250M | square | 2 1/2" x 10 ga. | 7.38 lb. |
| PADC225250M | square | 2 1/2" x 12 ga. | 7.55 lb. |
| PADC250300M | square | 3" x 7 ga. | 9.00 lb. |
| PADC231250M | round | 2 1/2" x 14 ga. | 5.87 lb. |
| PADC262278M | round | 2 7/8" x 10 ga. | 7.64 lb. |

U-Channel Drive Caps: For use with Sledge Hammer

| PART NUMBER | DESCRIPTION |
|-------------|---|
| PA6406 | Drive Cap for 1.75# U-Channel post |
| PA6407 | Drive Cap for 2# and 3# U-Channel post |
| PA6408 | Drive Cap for Heavy Duty U-Channel post |

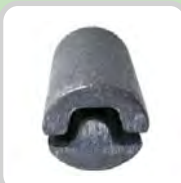
Square



Round



U-Channel



Lock & Release Power Drive Caps: For use with Power Equipment

| PART NUMBER | POST | FITS ANCHOR SIZE | WEIGHT |
|--------------|--------|------------------|----------|
| PADC150175LR | square | 1 3/4" x 12 ga. | 3.74 lb. |
| PADC175200LR | square | 2" x 12 ga. | 4.24 lb. |
| PADC200225LR | square | 2 1/4" x 12 ga. | 4.86 lb. |
| PADC219250LR | square | 2 1/2" x 10 ga. | 6.40 lb. |
| PADC225250LR | square | 2 1/2" x 12 ga. | 6.57 lb. |
| PADC250300LR | square | 3" x 7 ga. | 8.03 lb. |
| PADC231250LR | round | 2 1/2" x 14 ga. | 4.86 lb. |
| PADC262278LR | round | 2 7/8" x 10 ga. | 6.64 lb. |

Square



Round



Power Drivers



Chuck fits standard 7/8" x 4 1/4" hex detachable shanks

COBRA COMBI

A multi-purpose gas powered driver that can accommodate a wide range of tools. The Cobra Combi can be used for everything from driving and breaking, to compacting and drilling.

- Easy to start with new choke control and new carburetor
- Low noise
- Vibration-dampening handles
- Low emissions
- Easy to transport with carrying case
- Impact rate: 2600 BPM



Chuck fits standard 1" x 6" hex detachable shanks

COBRA MK1

The Cobra MK1 is a high impact gas powered driver/breaker that can be used for everything from driving and breaking to compacting.

- Low emissions
- Easy to start with electronic ignition
- Low noise
- Easy to transport
- Vibration-dampening system
- High capacity air filter ensures long working lifetime
- Impact rate: 720-1440 BPM

Shanks

Detachable Shanks for Breaking & Drilling



Moil Point

Standard Moil Point
Shank size: 7/8" x 4 1/4", 1 1/4" x 6"



Asphalt Cutter

5" x 6" Asphalt Cutter
Shank size: 7/8" x 4 1/4", 1 1/4" x 6"



Narrow Chisel

Narrow 1" Chisel
Shank size: 7/8" x 4 1/4", 1 1/4" x 6"



Drilling Unit

Drilling Unit with 3" or 4" Steel Bit
Shank size: 7/8" x 4 1/4"



Wide Chisel

Wide 2 1/2" or 3" Chisel
Shank size: 7/8" x 4 1/4", 1 1/4" x 6"



Tamping Pad

8" Square Dirt Tamping Pad with Shank
Shank size: 7/8" x 4 1/4", 1 1/4" x 6"

Manual Post Drivers



PAH8

Post Driver for 2 lb. & 3 lb. U-Channel posts. Barrel I.D. 3 5/8", Barrel Length: 23 7/8", Overall length: 64 3/8", Weight: 36 lbs.



PAHD87

Heavy Duty Post Driver for 3 lb. & 4 lb. U-Channel posts. Barrel I.D. 4", Barrel Length: 24 1/4", Overall length: 64 1/4", Weight: 47 lbs.



PAH4

Lightweight Post Driver for snow fence and delineator posts. Barrel I.D. 2 1/2", Barrel Length: 24", Overall length: 30", Weight: 23 lbs.



U-Channel post installation using a manual post driver



PAH6A

Self Locking Post Step for standard 2" round posts, used for sign work on a single post



Anchor installation with a Universal Slide Hammer

Universal Slide Hammer



PASH1

Universal Slide Hammer

KSI manufactures a Universal Slide Hammer post driver for manually driving square or round anchors accurately in the ground. The Slide Hammer uses its own weight to assist in driving anchors into the ground.

- Locking pin for transport
- Can be used by one or two workers
- Available in a variety of drive cap sizes, please specify at time of order



Universal Slide Hammer Drive Caps

PADC250RS-KSI

Slide Hammer Drive Cap for 2 1/2" Round Safe-Hit soil anchors

PADC250300M-KSI

Slide Hammer Drive Cap for 3" Square Heavy Duty 7 ga anchors

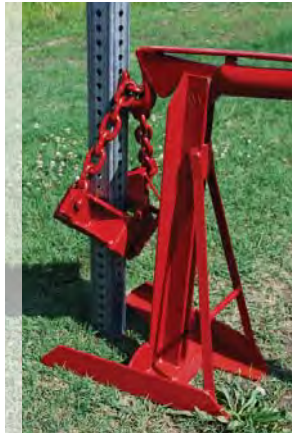
PADC200225M-KSI

Slide Hammer Drive Cap for 2 1/4" Square 12 ga anchors

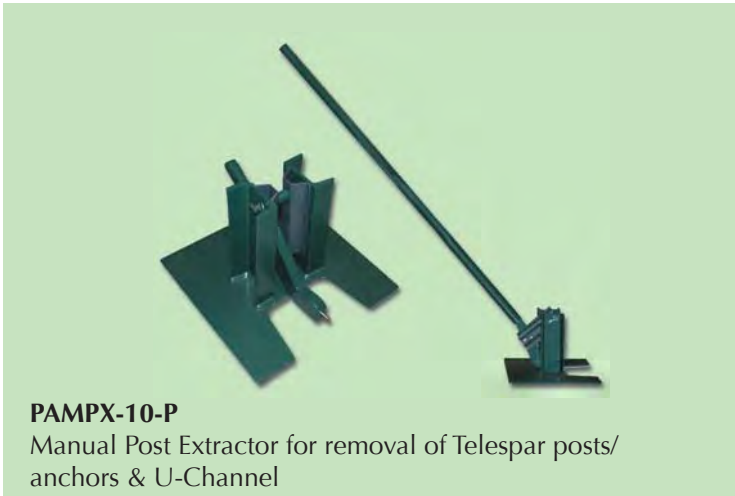
Post Pullers



Manual Post Extractor



Detachable Puller



PAMPX-10-P
Manual Post Extractor for removal of Telespar posts/
anchors & U-Channel



PALDWP-1
Wedge Puller
for round post
socket and
wedge system



PAH7J



PAH7H

PAH7J
19" tall jack base to be used with PAH7H heavy
duty jack handle & detachable pullers.
PAHD7AJ (not pictured)
25" tall heavy duty jack base to be used with PAH7H
heavy duty jack handle and detachable pullers.
PAH7H
Heavy Duty Handle, hand operated, pulls most
types of posts. Two leverage positions & can also
be used to straighten twisted posts. Use with
PAH7J or PAHD7AJ.



PAHD4AA



PAHD4AAA

PAH4A (not pictured)
Detachable Puller for posts 3 1/4" x 4" OD. Pulls
U-channel, Square, Round, and Wood Posts.
Welded, hardened steel jaws prevent slipping.
Auto adjusts to post. Use with PAH7J & PAH7H.
PAHD4AA
Detachable Puller for posts 4 1/4" x 4 1/4" OD. Pulls
U-channel, Square, Round, and Wood Posts.
Welded, hardened steel jaws prevent slipping.
Auto adjusts to post. Use with PAH7J & PAH7H.
PAHD4AAA
Detachable Puller for posts 6 1/4" x 6 1/4" OD. Pulls
U-channel, Square, Round, and Wood Posts.
Welded, hardened steel jaws prevent slipping.
Auto adjusts to post. Use with PAH7J & PAH7H.

Surface Mount Posts



- Fluorescent-colored posts and bases in 9 different colors for increased visibility
- Each post is made of poly-urethane with high tensile and elongation properties
- No metal pins in bases to rust or seize - simplified installation and replacement of damaged posts

Davidson posts feature a clover-leaf design that allows it to rebound time after time. Several surface mount base options available from portable to heavy duty to a slimmed down metro base.



Portable Rubber
Cookie Base



Heavy Duty
Colored Base



Invisi-Base



Portable Banana Base



Metro Base

Curb System Lane Separators

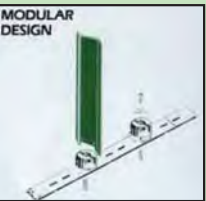
Davidson Curb and Post system is a passive traffic control device consisting of modular raised curb sections and channelizer posts. Its narrow footprint design, much smaller than any concrete barrier, preserves lane width. The one piece construction utilizes high impact polymers and is designed to be linked in continuous applications. FHWA approved, NCHRP 350 tested and accepted at 70 mph.



Glarescreen System

The Safe-Hit Glarescreen System is a vertical blade delineator system that is used to delineate both temporary and permanent medians. Positioned on the top of median barriers, this system minimizes traffic slow downs in work zone areas. Reflective sheeting may be added to the blades.

- Available in Green, White, and Orange
- 24" and 30" standard height
- Adapts to any size barrier, temporary or permanent
- Reduces traffic jams in work zones by limiting cross-median visibility
- Barrier wall can be relocated without removing the glare screen



Surface Mount Systems

The Safe-Hit Surface Mount System includes 2 1/4" diameter posts constructed of durable linear low density, co-extruded polyethylene with UV inhibitors. They are designed with an innertube to help withstand vehicular impacts and are available in heights ranging from 18" - 54".

The surface mount posts can be installed on asphalt or concrete using epoxy kits, butyl pads or mechanical anchors. The surface mount pin lock base comes standard with all flexible surface mount posts.



Soil Anchor Systems

The Safe-Hit Soil Anchor System's two-part driveable delineators feature a 2 1/4" post diameter and are used for marking highways, entrances, exits, curves, driveways, fire lanes and parking lots.

Driveable posts are available in heights ranging from 18" - 54" and come standard with an 18" closed end, drivable soil anchor. In heavy soil a 14" or 18" anchor is recommended. In sandy or loose soil a 24" anchor should be utilized. The 8" anchor is used for concrete applications.



Surface Mount Posts

Specify post color and reflective sheeting color when ordering.

Posts available in standard colors - white, yellow or orange, custom colors available upon request. Standard reflective sheeting available in white, yellow or orange 3M™ High Intensity, High Intensity Prismatic or Diamond Grade Cubed (DG³).



Type 2



Type 3

(All posts available with or without reflective wrap; other post sizes and reflective wrap options available upon request)

Type 2 Guide Post

Round post, flattened on top with black oval cap, one 3" x 9" reflective strip and surface mount pin lock base.

| SIZE | SHEETING | PART NUMBER |
|------|---------------|-------------|
| 36" | Diamond Grade | PRSH236SMA |
| 42" | Diamond Grade | PRSH242SMA |
| 48" | Diamond Grade | PRSH248SMA |

Type 3 Channelizer

Round post with recessed cap, one 6" reflective wrap and surface mount pin lock base.

| SIZE | SHEETING | PART NUMBER |
|------|---------------|-------------|
| 36" | Diamond Grade | PRSH336SMA |
| 42" | Diamond Grade | PRSH342SMA |
| 48" | Diamond Grade | PRSH348SMA |

Type 2 Guide Post

Round post, flattened on top with black oval cap, one 3" x 9" reflective strip and 18" driveable soil anchor.

| SIZE | SHEETING | PART NUMBER |
|------|---------------|-------------|
| 36" | Diamond Grade | PRSH236GP3 |
| 42" | Diamond Grade | PRSH242GP3 |
| 48" | Diamond Grade | PRSH248GP3 |

Type 3 Channelizer

Round post with recessed cap, one 6" reflective wrap and 18" driveable soil anchor.

| SIZE | SHEETING | PART NUMBER |
|------|---------------|-------------|
| 36" | Diamond Grade | PRSH336GP3 |
| 42" | Diamond Grade | PRSH342GP3 |
| 48" | Diamond Grade | PRSH348GP3 |

(All posts available with or without reflective wrap; other post sizes and reflective wrap options available upon request)

Soil Anchor Posts

Specify post color and reflective sheeting color when ordering.

Posts available in standard colors - white, yellow or orange, custom colors available upon request. Standard reflective sheeting available in white, yellow or orange 3M™ High Intensity, High Intensity Prismatic or Diamond Grade Cubed (DG³).



Type 2



Type 3

Surface Mount Bases



PRSHSMT-1---BL
Surface Mount Twist Lock Base
Used when posts must be installed, removed and re-installed periodically



PRSHSLT-1---BL
Sub-Level Twist Lock Base
Used when it is desirable to have the base level with the surface



PRSHSST-1---BL
Sub-Surface Twist Lock Base
Used when a low profile is desired due to vehicular or pedestrian traffic



PRSHSMA-1---BL
Surface Mount Pin Lock Base
Ideal for permanent installations, comes standard with posts



PRSHPSB-1---BL
Portable Base
No anchor or adhesive required. Ideal for temporary applications



PRSHEPX-13--K1
2 part epoxy
(1 unit per post)



PRSH-22
8" x 8" Butyl Pad

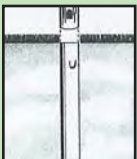
Soil Anchors

| SIZE | ANCHOR TYPE | PART NUMBER |
|------|--------------------------|-----------------|
| 8" | Open End Concrete Anchor | PRSHA1--08OE-GL |
| 14" | Closed End Anchor | PRSHA5--14C-GL |
| 18" | Closed End Anchor | PRSHA3--18C-GL |

Soil Anchors come in a variety of sizes based on your application requirements. Contact one of our customer service representatives for other sizes available at 1.800.296.6050 or korman@kormansigns.com.



Closed End



Open End

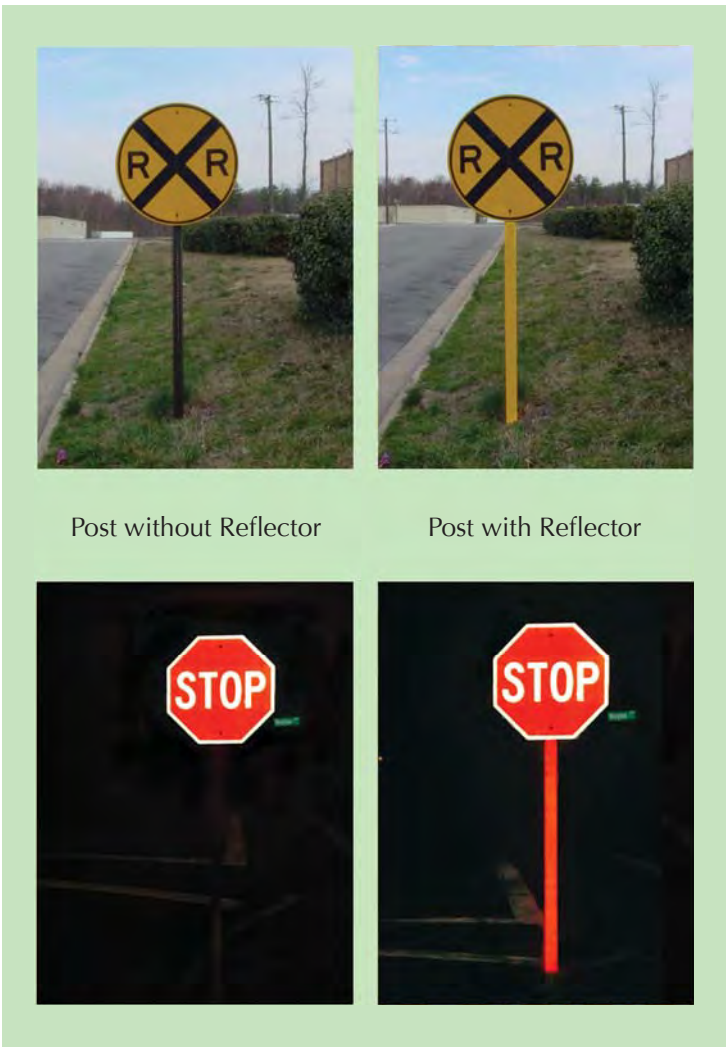


Manual or Power tools can be used to install soil anchors; see pages 51-53.

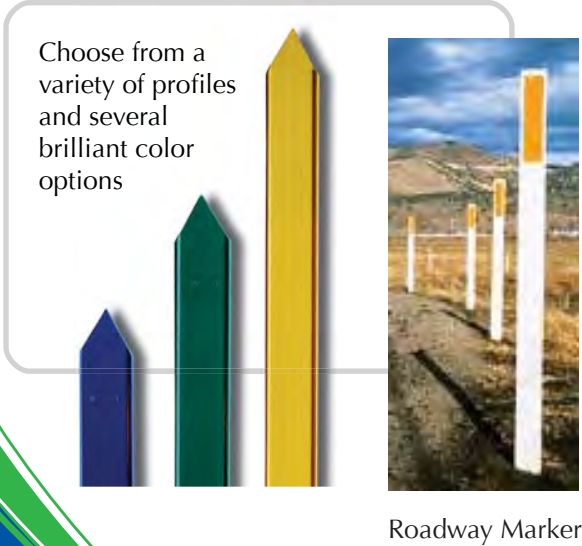
ALPOLIC® Post Reflectors

Bring attention to your signage with Korman Signs' ALPOLIC® Post Reflectors for use on U-Channel, Square and Wood posts. The panels are available in 3M™ High Intensity Prismatic or Diamond Grade Cubed (DG³) reflective material in a variety of colors mounted on 3mm ALPOLIC®. Panels are mounted to the sign post using standard 5/16" hardware. ALPOLIC® Post Reflectors are available in 48", 60", 72" and 96" lengths on 2" and 3" wide panels.

- Increase night time visibility
- Improves roadside appearance
- Easy installation
- MUTCD colors available



Flexible Delineator Posts



Carsonite Composites fiberglass reinforced markers are used to provide daytime and nighttime delineation for roadways or other marking applications requiring long term durability and flexibility. These advanced composite delineators are unlike any other, with a formula of special polymers designed to flex above ground while maintaining their durability - even in extreme temperatures. Available models include the Roadway Marker, Mile Post Markers, Boundary Markers and Hazard Markers.

Delineators

| PART NUMBER | DESCRIPTION |
|-------------|---|
| MAAKT18W | Crystal Center Mount Plastic Delineator |
| MAAKT18A | Amber Center Mount Plastic Delineator |
| MAAKT18R | Red Center Mount Plastic Delineator |
| MAAKT18B | Blue Center Mount Plastic Delineator |

- Increases safety in inclement weather conditions by providing better visibility with plastic backing
- See page 42 for more information on delineator posts
- Size: 3 1/4" diameter



- Delineator panels come in your choice of black/yellow, black/white, black/fluorescent orange or solid colors
- Choose from centered, left or right diagonals
- Sheeting available in Engineer Grade Prismatic, High Intensity Prismatic or DG³ applied to aluminum or ALPOLIC® blanks
- Available in sizes:

| | | |
|----------|-----------|-----------|
| 6" x 24" | 6" x 48" | 12" x 48" |
| 6" x 36" | 12" x 36" | |



Stencils

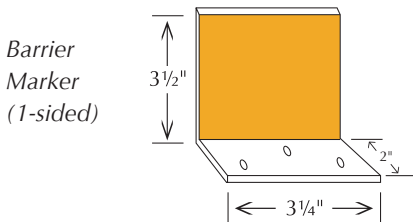
Stencils are constructed of 100% virgin polymers with thicknesses of 1/8" and 1/16" to withstand heavy use. All stencils are cut with ample overspray area for easy clean-up; paint easily peels off when its dry. Over a 100 different stencil legends available upon request.



STEN42-205
20" x 20" Handicap
Stencil

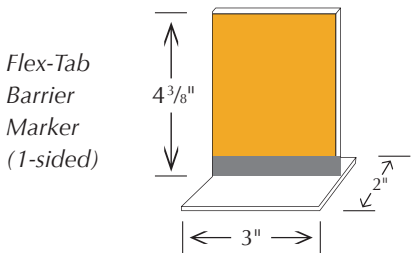


Barrier Markers



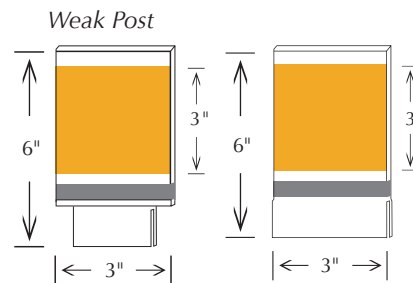
| PART NUMBER | DESCRIPTION |
|--------------|-------------------------|
| MAAKTFB33-1W | White DG Barrier Marker |
| MAAKTFB33-1A | Amber DG Barrier Marker |
| MAAKTFB33-1B | Blue DG Barrier Marker |

- Reflective sheeting available on 1 or 2 sides, other sheeting options available
- Size: 3 1/2" x 3 1/4" x 2"



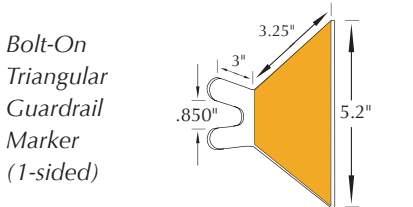
| PART NUMBER | DESCRIPTION |
|-------------|--|
| MAAKTFT-1W | Flexible White DG ³ Flex-Tab Barrier Marker |
| MAAKTFT-1A | Flexible Amber DG ³ Flex-Tab Barrier Marker |
| MAAKTFT-1B | Flexible Blue DG ³ Flex-Tab Barrier Marker |

- Reflective sheeting available on 1 or 2 sides, other sheeting options available
- Size: 3" x 4 3/8" x 2"



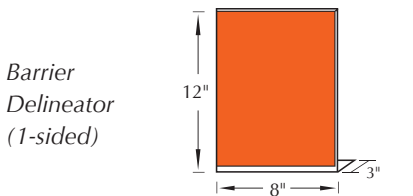
| PART NUMBER | DESCRIPTION |
|-------------|--|
| MAAKTFR-1MW | Flexible White DG ³ Guardrail Marker, Weak Post |
| MAAKTFR-1MA | Flexible Amber DG ³ Guardrail Marker, Weak Post |
| MAAKTFR-1W | Flexible White DG ³ Guardrail Marker |
| MAAKTFR-1A | Flexible Amber DG ³ Guardrail Marker |

- Reflective sheeting available on 1 or 2 sides, other sheeting options available
- Size: 3" x 6"



| PART NUMBER | DESCRIPTION |
|-------------|---|
| MAAKT567W | White DG Metal Bolt-On Guardrail Marker |
| MAAKT567A | Amber DG Metal Bolt-On Guardrail Marker |

- Other reflective sheeting options available, also available in plastic



| PART NUMBER | DESCRIPTION |
|-------------|--|
| SD8123FODA | Single Sided Fluorescent Orange Diamond Grade Barrier Delineator 8" x 12" x 3" |

- Double-Sided Barrier Delineator also available



| PART NUMBER | DESCRIPTION |
|-------------|---|
| MD795A | Davidson 11 oz. adhesive cement. A one-part, fast cure adhesive, for bonding concrete barrier markers, guardrail reflectors and other delineation products. |
| MACF | Astro Optics one part 11 oz. tube of adhesive cement for barrier markers and reflectors. |

Pavement Markers

| PART NUMBER | DESCRIPTION |
|----------------------------|---|
| MM290-W *MM PSA-290-W | White Lens 1-Way Marker with White Body |
| MM290-2W *MM PSA-290-2W | White Lens 2-Way Marker with White Body |
| MM291-Y *MM PSA-291-Y | Yellow Lens 1-Way Marker with Yellow Body |
| MM291-2Y *MM PSA-291-2Y | Yellow Lens 2-Way Marker with Yellow Body |
| MM290-WR *MM PSA-290-WR | Red/White Lens 2-Way Marker with White Body |

* Pressure Sensitive Adhesive Backing

| | |
|--------------|--|
| MMRPM-198-WR | Red/White Lens 2-way Snowplowable Marker with Black Body |
|--------------|--|

Snowplowable Marker

3M™ Raised Pavement Markers Series 290

Designed as lane line supplements to enhance pavement markings in non-snowplow markets. They stand out above the lines to alert motorists to roadway changes such as hills, curves and exit ramps and improve lane line guidance. Snowplowable Marker also available - see chart.

- Durable, lightweight & impact resistant
- Application finger grips
- Pressure sensitive adhesive for easy application
- Provide both wet and dry reflectivity
- Rumble effect for added awareness
- Size: 4" x 3 1/2"



MM291-2Y

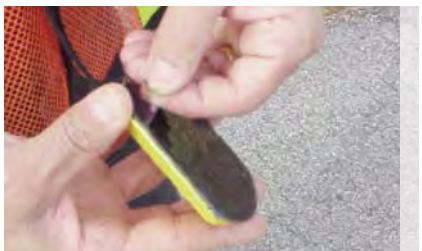


MMRPM-198-WR



MM290-WR

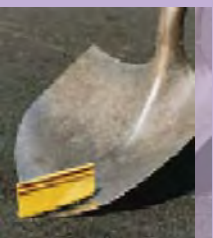
Pavement Markers available in multiple lens and lens/body color combinations. Snowplowable Markers available in a variety of lens colors, please give one of our customer service representatives a call for more information — 1-800-296-6050.



TOM™ Temporary Overlay Marker

These flexible, raised pavement markers are designed to provide temporary positive guidance day and night, wet or dry, they effectively simulate solid lines. Installation is quick and easy done by one worker without additional equipment.

- Polyurethane body has great bending memory
- Retroreflective tape is fully protected from oil and dirt by a clear plastic cover
- Excellent for chip seal, slurry seal or temporary delineation



MBTOMY-1WZ
Yellow Temporary Overlay Marker

3M Pavement Marking Tape

3M™ Stamark™ Tape Series 270 ES

Designed for use as long lines, edge lines, channelizing lines, gore markings, stop bars, cross walks, symbols and legends.

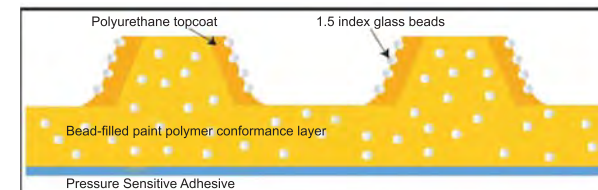
- Good durability with built-in reinforcing net
- Easy application during normal season - surface preparation adhesive not required
- Extended application season - down to 40°F (with surface preparation adhesive)
- Long-term retained whiteness polyurethane top coat

Series 270 is available in 30 or 100 yd. rolls in a variety of widths

271 ES



270 ES



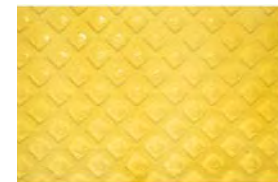
3M™ Stamark™ High Performance Tape 380I ES

Designed for lane and edge lines, channelizing lines, gore markings, symbols and legends.

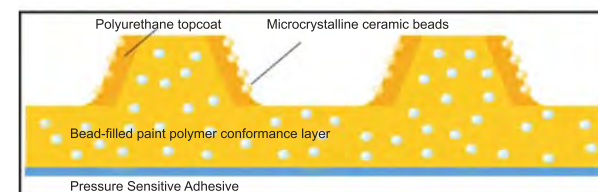
- Durable construction
- Patterned surface to maximize retroreflectance
- Unique microcrystalline ceramic beads
- Pressure sensitive adhesive providing ease of application
- Superior color day and night

Series 380I ES is available in 30 or 100 yd. rolls in a variety of widths

381I ES



380I ES



Installation with a tamper cart using 270 ES for a stop bar.

1RRTC-2W

Tamper Cart for tape application, use with four 50 lb. weights.



Pavement Marking Tape

3M™ Stamark™ Wet Reflective Removable Tape Series 710

Designed to provide the positive guidance drivers need to safely navigate today's work zone environment - day or night, in dry conditions or in rain.

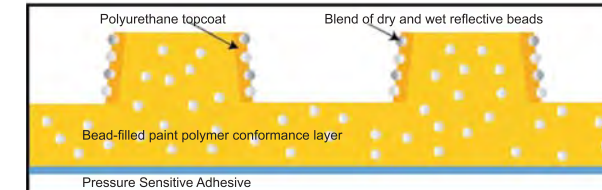
- Highly reflective, wet or dry
- Durable for normal work zone life - installs and removes easily
- Provides continuous delineation, day or night
- Roadway may be opened to traffic immediately

Series 780 is available in 40 or 120 yd. rolls in a variety of widths

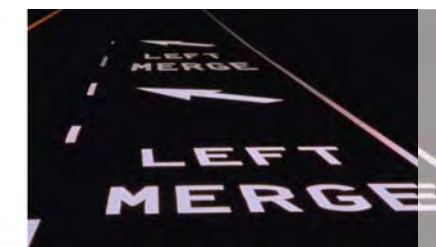
711



710



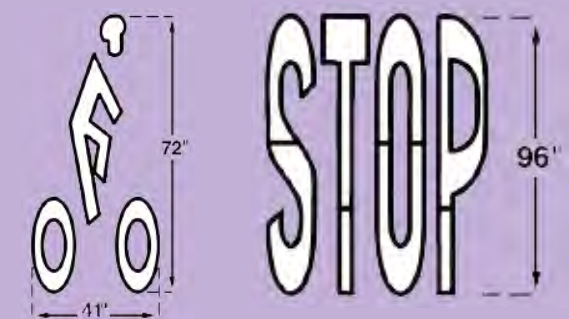
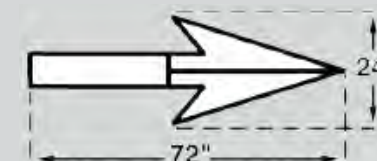
| APPLICATION | PAVEMENT TAPE |
|-------------------|-------------------------------|
| Long Lines | Series 380I ES |
| Intersections | Series 270 ES, Series 380I ES |
| Work Zones | Series 710 |
| Symbols & Legends | Series 270 ES, Series 380I ES |



3M™ Stamark™ Pavement Marking Tape Pre-Cut Symbols and Legends

Drivers can easily read and quickly react to pavement marking symbols and legends without taking their eyes off the road.

- Fast, easy application during typical tape season, surface preparation adhesive not required
- Offered in several 3M Stamark pavement marking tape constructions
- Available in a wide variety of symbols and legends
- Standard and custom symbols and legends offerings available



Fleet Graphics



Fleet Graphics
KSI Fleet Graphics

Korman Signs provides eye-catching, cost effective, vehicle graphics for cars, vans, trucks, trailers and fire/rescue vehicles of every size. Whether its a new design you need or you provide the artwork, we will print your graphics on reflective or non-reflective 3M™ sheeting in any shape, color or size. For greater visibility use reflective sheeting to

increase your visual impressions by 50% both day and night. Vehicle graphics create a mobile billboard that's attention grabbing and gives you the chance to advertise on a service call at a regional or even national level. Contact KSI for more information on adding graphics to your fleet, mass transit, service vehicles and more!



Digital Graphics

Digital Graphics

KSI has entered the next generation in color printing technology - digital printing. In addition to screen printing, our digital printers can produce graphics utilizing 3M™ reflective and non-reflective material with 3M™ inks to provide premium outdoor durability for your decals.

- Exceptional color quality
- Smooth, consistent coverage
- Durability - up to 12 years on certain colors



Vehicle Graphics



State and local government seals printed to meet all your specifications. We can develop a new design or send us your artwork and we will recreate your logo

on reflective or non-reflective material that can be applied to your vehicle. Installation services available within limited traveling distances.

Premask Application Tape



Premask Application Tape aides in the application of large format, printed and electronically cut, graphics to vehicles with a low-tack adhesive.



Magnetic Sheeting can be applied to the back of your decal allowing it to be transferred from vehicle to vehicle.



Custom Decals

Custom Decals

Whether you need a sign, vehicle graphic, window marking, pre-spaced legend or more call us and our customer service representatives will put together everything you need. Choose from a variety of ink and material colors, non-reflective or reflective. Decals are either kiss cut or die cut and covered with a premask liner, applied for ease of application. For more information on color and material choices see pages 2-7.



Law Enforcement Graphics

Clearly identify your vehicle to the public with KSI's law enforcement decals. We can match colors, fonts, images to your current designs or start from scratch. From vehicle markings to custom decals we can handle all your requests. All decals are screen printed or digitally produced with 3M™ inks and material; reflective and non-reflective material available for your choice.



Roll Goods



- Sheeting available in rolls or cut sheets in a variety of colors and sizes
- 3M™ Reflective and Non-Reflective materials with a pressure sensitive adhesive
- ElectroCut™ Film - transparent, synthetic liner for pre-spaced or cut graphics
- Application Films - simplifies handling & application of graphics, see page 65

For more information on 3M™ products and materials see pages 2-7 or contact us at 1.800.296.6050 or korman@kormansigns.com.

roll goods

Letters & Numbers



- Die Cut Letters & Numbers**
- Choose from several letter styles and heights
 - Available in Reflective or Non-Reflective pressure sensitive 3M™ material
 - 25 per pack
 - Arrows available



- Pre-Spaced/Pre-Masked Numbers & Letters**
- Choose from 1", 1½", 2", 3", 4" letter heights
 - Available in Reflective or Non-Reflective pressure sensitive 3M™ material
 - 10 per pack



letters/numbers

Conspicuity Marking

3M™ Diamond Grade™ Conspicuity Markings
Markings for trucks and trailers which have an acrylic and polycarbonate construction designed to stand up to the rigors of the road and improve the visibility of trucks and trailers to approaching drivers. Conspicuity markings are six times brighter than conventional markings, reflect at angles approaching 90 degrees, are highly durable, non-corroding and available in pre-cut strips or continuous rolls.



- Meets DOT specifications
- Aggressive pressure sensitive adhesive
- Easy to remove liner
- 7 year warranty

Yellow Conspicuity available for Railroad and School Bus markings.

| Width | Length | Colors |
|-----------------|-------------------------------------|---|
| 1", 1½", 2", 4" | 50 yds. (continuous or kiss-cut) | Solid Red, Solid White Red/White 11"/7", Red/White 6"/6" |

conspicuity

Work Zone Signs



Korman Signs has been developing and improving upon roll-up signs for more than 35 years. Roll-up signs are manufactured in our production facility here in the USA from your choice of three flexible materials. Each sign comes with a set of ribs that run from corner to corner and 4 heavy duty cloth pockets to hold the ribs. The resulting product is a lightweight alternative to rigid signs

and a very popular, effective product when used with portable stands in temporary work zones. KSI roll-up signs can duplicate any rigid sign and are available in many shapes, sizes, and colors.

For more information on 3M™ RS20 and RS30 Series Sheeting see page 3.

Roll-Up Sign Materials



DF Series: 3M™ RS20 Diamond Grade Fluorescent Wide Angle Prismatic Lens Roll Up Sign Sheeting (maximum reflectivity/angularity values) 3 year warranty



RF series: 3M™ RS30 Vinyl Microprismatic Roll Up Sign Sheeting (reflective)



MF Series: Special Weave Fluorescent 15 oz. Mesh Fabric, Daytime use only (non-reflective)



KSI 4-ply triangular shaped pockets spread corner stress over a larger area to help prevent failure. A strip of velcro keeps signs in a tightly rolled-up state, and its available for anti-kiting. KSI provides the option of riveted plastic pockets, available upon request.

Corner Pockets

State of the art, computerized sewing equipment at KSI has brought with it innovations in pocket design. KSI corner pockets are made of heavy duty, 4-ply, minimum 15 oz. material. Each of the 4 pockets per sign are bar-tacked for added strength and double-stitched

directly to the back of the sign for durability. Cloth corner pockets allow signs to be rolled tightly for stacking and storing, for greater convenience and more efficient use of space.



Work Zone Signs

3M™ Diamond Grade™ Roll-Up Signs



Consider these qualities of 3M™ Diamond Grade™ Roll-Up Signs

- Unsurpassed reflectivity & angularity values
- Long-lasting visible fluorescent orange color
- Surface cleans up easily and is non-absorbent of most chemicals
- 3 year warranty
- Closely resembles a rigid Diamond Grade sign due to its smooth, low-wrinkle surface
- Portable
- Product of 70 years of ongoing 3M innovation and engineering

3M™ Diamond Grade™ Roll Up Sign Sheeting Series RS20 is a highly visible prismatic lens reflective sheeting designed for the production of roll up signs that are typically used in construction work zones. When assembled with cross braces it has the same appearance as a rigid sign. It is designed to accept

the sewing or riveting of corner pockets. RS20 series has such wide angular performance it functions at angles that no other sheeting can provide. RS20 series is the superior choice in maximizing portable work zone safety. Available in White (RS20) or Orange (RS24).



Sign legends are printed on outer edge for ready identification when sign has been rolled for storage and transport. Lot numbers are printed on the back of each sign for quality control. KSI maintains a large inventory of roll-ups signs, screen printed with a variety of legends.

Cross Braces



- All signs come with $\frac{3}{8}$ " thick vertical ribs to minimize sign deflection when used with ultra compact stands.
- High-quality UV resistant polyester/glass fiber "pultrusion" ribs are joined at the center with a special heavy-duty, low profile rivet to minimize scuffing and wear; thus lasting the lifetime of the sign they support.
- Rib ends are radiused and chamfered for smooth assembly and low abrasion.

Overlays

| | | | |
|----------|--------|---------|---|
| 1 MILE | ¾ MILE | AHEAD | 2000 FT |
| 1½ MILES | RIGHT | 500 FT | 2500 FT |
| ½ MILE | LEFT | 1000 FT | Directional Arrow |
| ¼ MILE | CENTER | 1500 FT | Numbers 0-9 |
| | | | (0, ¼, ½, ¾, 1, 2, 3, 4, 5, 6, 7, 8, 9) |

Overlays are available for customizing all roll-up signs. Each is equipped with velcro fasteners for application to the front side of signs and can be adhered to the back side when not in use.



Standard Legends



W41-2



W6-20



VW-27



W22-1



W189



W46



W8-1



W44



W187



W1-2L



W1-2R



W79

(arrow overlay available)



W20-2



R4-1



E5-1

(Also available in Orange/Black)



W20-7A



W10-10



W8-7



W8-9



W21-1B



W21-1A



W4-2R



W4-2L



W36



W35



VW-20



W255



W20-4



W200



W145



W5-5



W20-05R



W20-5R



W20-5RV

Work Zone Signs



W41-8

(Also available in Orange/Black)



W244



VR-9L

(Square layout also available)



VR-9R



W9-2L



W9-2R



W20-05L



W20-5L



W39



W257L




























W20-6L

















W100

Work Zone Signs

| | | | | | |
|---|---|--|---|---|---|
|  |  |  |  |  |  |
| W20-5RW | W20-5RY | W20-5RZ | VW-28 | W257R | W20-3R |
|  |  |  |  |  |  |
| W20-1 | W21-4 | W90 | W236 | W21-5 | W37 |
|  |  |  |  |  |  |
| W8-14 | W3-3 | SR2-1 | W3-5 | R1-1 | W3-1 |
|  |  |  |  |  |  |
| W33 | W34 | W48 | W151 | W8-11 | W165 |
|  |  |  |  |  | |
| W21-4A | W226 | W54 | R1-2 | W3-2 | |

Work Zone Signs

| | | | | | |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| G20-2A 48" x 24" | G20-2 48" x 24" | W64 48" x 24" | VW-21 48" x 24" | W63 48" x 24" | G20-2C 48" x 24" |
|  |  |  |  |  | |
| E5-2 48" x 48" | E5-2A 48" x 48" | W22-3 42" x 36" | M4-9R 30" x 24" | | |
|  |  |  | | | |
| VW-19 48" x 24" | M4-9L 48" x 18" | M4-9R 48" x 18" | | | |

Sign Cases available for roll-up signs in a variety of sizes including but not limited to:

WSCKC36HD
Sign Case for 36" HD Signs

WSCKC48HD
Sign Case for 48" HD Signs

Incident Management Pink

When viewed from a distance, Fluorescent Pink Reflective Vinyl is up to 40% more noticeable by motorists and is highly visible under varying conditions. Incident Management Pink signage is also immediately distinguishable from standard work zone safety signage. Flexible, lightweight roll-up material makes for quick set-up and take-down, plus easy storage on emergency response vehicles. Incident Management Pink is recommended by MUTCD 6-I.



ACCIDENT AHEAD

W6-20FP
48" x 48"



EMERGENCY SCENE AHEAD

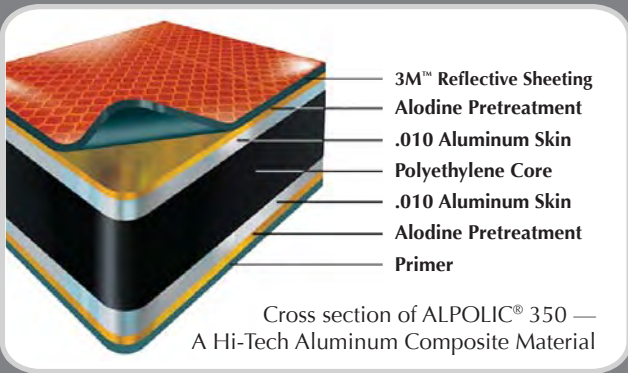
W266FP
48" x 48"



Roadway damage, natural disasters, hazardous spills, vehicle accidents and emergency response can require temporary traffic control device installation.

ALPOLIC® 350 for temporary signing -
ALPOLIC® 350 is an aluminum/polyethylene/ aluminum composite material that can be used as a substitute for solid aluminum and other rigid sign substrates. ALPOLIC® 350 is also available for permanent sign solutions, see page 30 for more information.

ALPOLIC® 350 is protected for work zone signs under U.S. Patent No. 6,569,510,B1



All sign and stand assemblies used on the National Highway System must be subjected to the crash testing criteria set forth in NCHRP

Report 350 and its addenda. KSI signs and sign stands are subjected to testing through one or more of the following: Wind, Stress and Crash Tests.



- Save Lives and Reduce Potential Injuries-**
- NCHRP 350 Crashworthy and accepted by FHWA
- Save Your Back**
- Half the weight of solid aluminum, easier to handle and quicker to install
- Save Your Signs**
- Minimize theft (no value at recycle centers)
 - Bullet tolerant (small hole, small dent)
 - Reclaim with hydrostripper for reuse

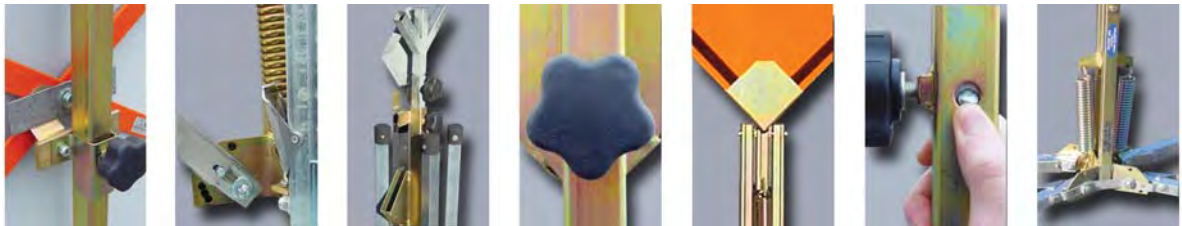
Rigid Work Zone Signs

Korman Signs offers a variety of rigid sign materials for use in work zones and temporary applications. We stock a large inventory of standard blanks and can fabricate to customers' specifications. Fluted plastic signs are available for temporary applications, and come in orange

or white. Solid aluminum signs are available in multiple thicknesses and sizes. ALPOLIC® 350 is a composite material for use in temporary and permanent signage or with KSI Type III Barricades. For more details on rigid sign materials see page 29.



The Distinctive Features of Korman Stands:



- Each stand includes brackets to hold all materials for which the sign is designed. Other manufacturers' signs can be used in our versatile bracket design, and optional brackets are available to display supplemental signs.
- Kick release legs feature 3 height settings and a storage position
- The collapsed profile of KSI-designed spring stands for rigid stands is more compact than most stands on the market
- Comfort grip knobs are provided on all KSI sign stands, making mast height changes easy on the hand
- Large V-clip accommodates diamond shape, square and rectangular rigid signs
- Korman stands feature snap lock buttons on masts and legs
- Two-stage Dual Spring system keep signs visible at all times - even in windy conditions - yielding maximum sign target value

Sign Stand Capabilities and Mounting Heights - NCHRP 350 Crash Tested and Accepted by WZ-100

| All models 350 approved with signs from 30"x30" to 48"x60", with or without flags and/or ballast | | DISTANCE FROM THE SURFACE TO THE BOTTOM OF THE SIGN | | | | | | | WITH OR WITHOUT HAZARD LIGHT | | | | | |
|--|-------------|---|---------------------------|---------------------------|-----------------|-----------------|-----------------|----------------|------------------------------|-----------------|------|-----------|--------------------|--|
| MODEL NUMBER | PAGE NUMBER | ROLL-UP SIGNS | LIGHT-WEIGHT RIGID SIGNS* | 1/2" & 5/8" PLYWOOD SIGNS | .125 ALUM SIGNS | .100 ALUM SIGNS | .080 ALUM SIGNS | SUPPL. PANEL** | NUMBER OF SPRINGS | TELESCOPIC LEGS | MAST | ALUM LEGS | STAND WEIGHT (LBS) | |
| SS548UCR | 76 | 13" | | | | | | | 0 | x | | | 23 | |
| SS548UCRA | 76 | 13" | | | | | | | 0 | x | | x | 16 | |
| SS548UC | 76 | 21" | | | | | | | 2 | x | | | 33 | |
| SS548UCA | 76 | 21" | | | | | | | 2 | x | | x | 24 | |
| SS560UCA | 76 | 5' | | | | | | 21" | 2 | x | x | x | 31 | |
| SS1 | 78 | 14" | 14" | 14" | | 14" | 14" | | 0 | | | | 20 | |
| SS548 | 77 | 19"-21" | 19"-21" | | | | 19"-21" | | 2 | | x | | 39 | |
| SS548A | 77 | 19"-21" | 19"-21" | | | | 19"-21" | | 2 | | x | x | 32 | |
| SS548C | 76 | 19"-21" | 19"-21" | | | | 19"-21" | | 2 | x | x | | 39 | |
| SS548CA | 76 | 19"-21" | 19"-21" | | | | 19"-21" | | 2 | x | x | x | 32 | |
| SS548E | 77 | 19"-21", 5' | 19"-21" | | | | 19"-21" | 21" | 2 | | x | | 41 | |
| SS548AE | 77 | 19"-21", 5' | 19"-21" | | | | 19"-21" | 21" | 2 | | x | x | 35 | |
| SS548ETL | 77 | 19"-21", 5' | 19"-21" | | | | 19"-21" | 21" | 2 | x | x | | 41 | |
| SS548AETL | | 19"-21", 5' | 19"-21" | | | | 19"-21" | 21" | 2 | x | x | x | 34 | |
| SS548EE | | 19"-21", 5' | 19"-21", 5' | 5' | 5' | 5' | 19"-21", 5" | 21" | 2 | x | x | | 48 | |
| SS560 | 78 | 5'-7' | 5' | 5' | 5' | 5' | 5' | 21" | 2 | x | x | | 53 | |
| SS560A | 78 | 5'-7' | 5' | 5' | 5' | 5' | 5' | 21" | 2 | x | x | x | 41 | |
| SS560E | | 5'-7' | 5' | 5' | 5' | 5' | 5' | 21" | 2 | x | x | | 55 | |
| SS560AE | | 5'-7' | 5' | 5' | 5' | 5' | 5' | 21" | 2 | x | x | x | 43 | |
| SS560EE | 78 | 5'-7' | 5'-7' | 5'-7' | 5'-7' | 5'-7' | 5'-7' | 21" | 2 | x | x | | 55 | |
| SS560AEE | | 5'-7' | 5'-7' | 5'-7' | 5'-7' | 5'-7' | 5'-7' | 21" | 2 | x | x | x | 44 | |

* Includes Endurance, 6.35 mm solid plastic, Fluted Plastic, HDPE "waffleboard" and 2-4mm aluminum composite laminates (such as ALPOLIC®)
** Supplemental panels may be roll-up, 2mm aluminum composite or 10mm fluted plastic up to 48" x 30"

Ultra-Compact & Compact Stands

- Universal clamping system holds vertical rib of sign to stand, and Comfort-Grip knob makes it "easy on the hand"
- Kick release legs drop down and do not require bending or stooping
- Models available with springs or without springs
- Easy to carry and transport



Full Size Stands with Springs

- Two-Stage Dual Spring action insures sign visibility at all times and gives stability in high wind conditions
- Supplemental sign up to 48" x 30" may be displayed using bolt on roll-up bracket, sold separately
- Large V-clips hold rigid sign, and built-in flag adapter can accommodate up to 3 flags



SS548UC
Ultra Compact stand with two stage dual spring action with kick release, telescopic galvanized steel legs. Supports roll-up signs only.



SS548UCA
Ultra Compact stand with two stage dual spring action with kick release, telescopic aluminum legs. Supports roll-up signs only.



SS548UCR
Ultra Compact stand without springs; kick release, telescopic galvanized steel legs. Supports roll-up signs only.



SS548
Full-size stand with two stage dual spring action base with kick release galvanized steel legs. Supports roll-up and rigid signs.



SS548A
Full-size stand with two stage dual spring action base with kick release aluminum legs. Supports roll-up and rigid signs.



SS548AE
Full-size stand with two stage dual spring action base with extended mast enabling a 21" & 5 ft. mounting height; kick release aluminum legs. Supports roll-up and rigid signs.



SS548UCRA
Ultra Compact stand without springs; telescopic, kick release aluminum legs. Supports roll-up signs only.



SS560UCA
Compact with springs & telescopic mast; kick release, telescopic aluminum legs. Supports roll-up signs 5 ft. above the ground.



SS548CA
Compact stand with two stage dual spring action with kick release aluminum legs. Supports roll-up and rigid signs. SS548C available with steel legs.



SS548E
Full-size stand with two stage dual spring action base, kick release steel legs and an extended mast enabling a 21" and 5 ft. mounting height. Supports roll-up and rigid signs.



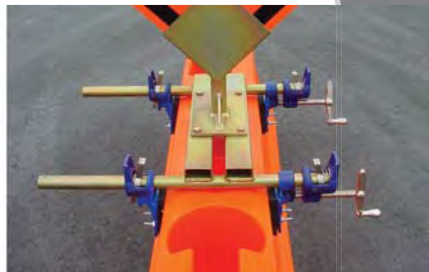
SS548ETL
Full-size stand with two stage dual spring action base, telescopic, kick release steel legs, and an extended mast enabling a 21" & 5 ft. mounting height. Supports roll-up and rigid signs.



For more info on KSI sign stands ask for our Work Zone Catalog

Heavy Duty Full-Size Stands

- Heavy-duty base, pivot and spring assembly
- Adjustable height V-clip with flag adapter, supports rigid signs
- Use where maximum visibility is required; holds sign at a 5-7 ft. clearance from bottom of sign to ground
- Rugged construction - built to last



KSI's median adapter's pony clamp feature provides quick set-up and ample torque.



SS560
Heavy-duty, full-size stand with springs; kick release, telescopic galvanized steel legs. Supports roll-up and rigid signs 5 ft. above the ground.



SS560A
Heavy-duty, full-size stand with springs; kick release, telescopic aluminum legs. Supports roll-up and rigid signs 5ft above the ground.

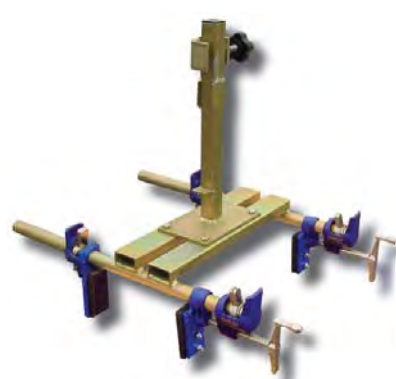


SS560EE
Heavy-duty, full-size stand with springs; kick release, telescopic galvanized steel legs. Supports roll-up and rigid signs 5ft to 7ft clearance from bottom of sign to ground.

Optional bolt-on roll-up bracket holds 48" x 30" supplemental sign



SSMAUC
Median Adapter with dual, two stage spring action base. Supports roll-up signs only.



SSMAUCR
Median Adapter without springs. Supports roll-up signs only.



SSMA548
Median Adapter with dual, two stage spring action base and telescopic mast. Supports roll-up and rigid signs.



All KSI sign stands are NCHRP 350 Crash Tested and Approved with signs from 30" x 30" to 60" x 60", with or without flags and/or ballast

Tripod Stand



SS1
Tripod stand combination of economy, versatility, compactness and practicality. Supports roll-up and rigid signs. Approved with sandbag.



SSMA2PCM
Median Adapter without springs; 2 piece telescopic mast firmly supports roll-up and rigid signs.

Type II Barricades

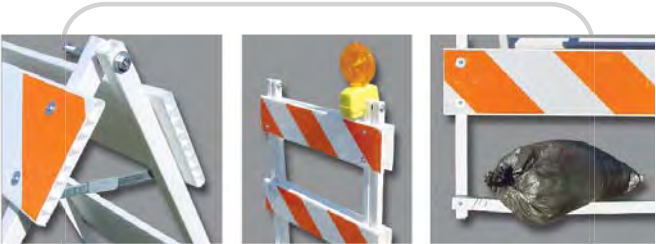
Type III Barricades

Jammer Series

Lightweight & easy to handle, these traffic control devices are built to last and engineered to meet your specific needs and requirements. Impact resistant legs available in steel or HDPE tubing with cross bars 1 1/2" x 1 1/2" x 1/4" thick; barricade legs intermesh for compact storage. Type II barricades come in two sizes, either 24" or 36" wide with extruded or fluted plastic panels from 8" to 12". Panels can be covered with 3M™ Diamond Grade, High Intensity Prismatic, or Engineer Grade Prismatic sheeting on one or both sides of the barricade with a left or right slant pattern.

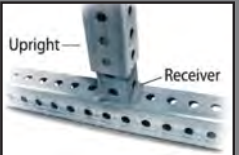


- NCHRP 350 Crash Tested & FHWA Approved
- Barricade light attaches easily with 7" bolt, included
- Optional 2mm ALPOLIC® sign mounted on panels up to 48" x 48" sold separately
- Replacement parts are available for repairs and converting barricade from 24" to 36"
- Side-lock holds barricade in secure open position



Klassic-Kade

Our Type III Barricades are made from versatile galvanized square tubing for both skids and uprights. The skids are connected to the uprights by a stub weld base receiver. The panels are available in lengths of 4 ft., 6 ft., 8 ft., 10 ft., and 12 ft. Reflective sheeting is available in 3M™ Diamond Grade, High Intensity Prismatic, or Engineer Grade Prismatic on one or both sides. Assembly Required.



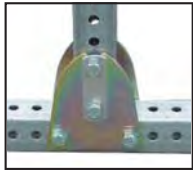
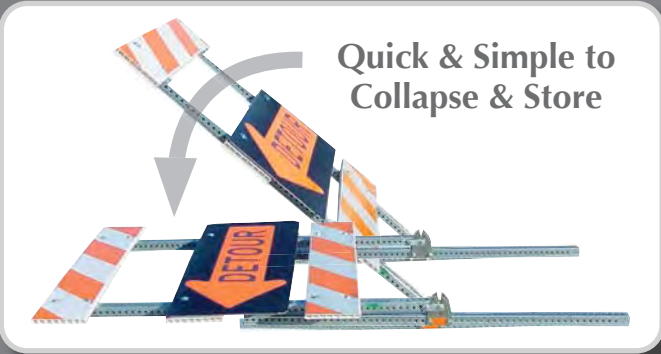
Stub Weld Base

Korman Signs has conducted a series of crash tests and received acceptance not only on the use of ALPOLIC® for barricade signing but also on our own comprehensive family of Type III Barricades. All of our Type III Barricades have been through this rigorous and thorough crash testing program and accepted on FHWA Letter WZ-100 Amendment #3.



EZ-Kade Barricade

The EZ-Kade Type III Barricade includes our "Quick Release" bracket that makes set up and storage a snap. Square tubing makes for durable, stronger barricades that are built to last over the long haul. This combined with lightweight plastic rails make them easy to handle and set up with one person. There are no tools necessary to drop and fold the barricade, just lift up and the uprights lay flat. Panels are made in 4 ft., 6 ft., 8 ft., 10 ft., and 12 ft. lengths. Barricades are available in 5 ft. and 7 ft. heights. Assembly



EZ-Kade hinge plate bracket

All our Type III barricades are approved to display single 2mm ALPOLIC® signs up to 33 square feet or any combination of signs up to 33 square feet mounted to single or multiple rails at 12" minimum from ground to bottom of sign per WZ-100 acceptance letter.

Our customer service representatives will gladly provide information on your options.

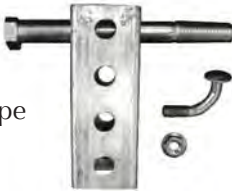
p: (800) 296-6050
f: (804) 261-1040
www.kormansigns.com






Accessories:

Barricade Lights, ALPOLIC® Supplemental Signs, Sandbags, Metal Stakes, Crossbar (recommended for 8 ft. Type III barricades and wider)

WBTLA
Barricade Light
Adapter Kit for Type
III Barricades



Type II & Type III Barricade Ordering Information

| | |
|--|---|
| Barricade Type: Type II Jammer Series Type III Klassic Kade Type III EZ-Kade | Panel Length: (Type II) 24" or 36" (Type III) 4', 6', 8', 10' or 12' |
| 3M™ Sheeting Type: Engineer Grade Prismatic High Intensity Prismatic Diamond Grade | Panel Heights Available In: 8" 10" 12" |
| Sides: Single-sided Double-sided | Panel Material: 1" hollow core plastic 2" hollow core plastic 3/8" fluted plastic 1/2" fluted plastic 2mm ALPOLIC® (.080) |
| Pattern: Left  Right  Chevron  | |

Traffic Barrels

Traffic Barrels are fluorescent orange plastic and come with a variety of bases. Choose from 4" or 6" wide reflective stripes on Diamond Grade, High Intensity Prismatic or Engineer Grade Prismatic.

Also available is a 42" Stackable Channelizer with reflective bands & base. It is designed to stack with or without bases and has a large handle with holes for mounting lights.

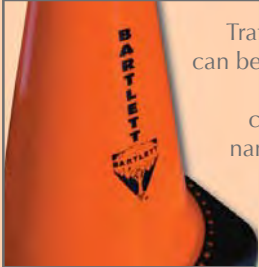


Traffic Barrels have the option of several different types of bases. Choose from a 25 lb. or 40 lb. snap on rubber base, plastic snap on base (to be used with sand bags) and a tire base which slips over the barrel as an alternative to the snap on base.



Traffic Cones are manufactured using premium grade PVC injection molding technology, resulting in a durable, high quality cone with outstanding visibility day and night. Choose from a variety of cone weights and heights with or without 3M™ Reflective Cone Collars. For additional stability we offer 4.5 lb. and 7 lb. cone weights.

In addition to traffic cones we offer a "T" Delineator Post with white or amber reflective bands & base.

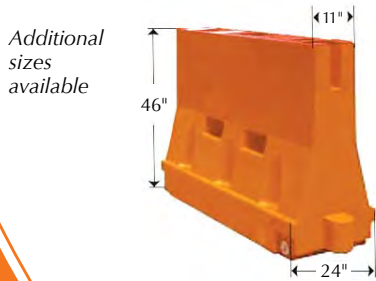


Traffic Cones can be stenciled with your company's name and/or logo

Barrier Wall



The Yodock Traffic Control System is made of heavy-duty, recyclable polyethylene. These units can be accessorized to meet a variety of traffic control product categories. Available in Opaque Ivory and Orange.



Fully tested and federally accepted for the following applications:

- Temporary Traffic Control
- Type III Barricade/Road Closure
- Longitudinal Channelizing Barricade
- Barrier Wall
- Temporary Sign Support
- Barricade

| PART NUMBER | WEIGHT | DESCRIPTION |
|-------------|----------|---|
| WC12PO | 1.8 lbs. | 12" Traffic Cone |
| WC18PO | 3 lbs. | 18" Traffic Cone |
| WC28PO | 7 lbs. | 28" Traffic Cone |
| WC36PO | 10 lbs. | 36" Traffic Cone |
| WC36PO12 | 12 lbs. | 36" Traffic Cone |
| WC36PO15 | 15 lbs. | 36" Traffic Cone |
| PART NUMBER | WEIGHT | DESCRIPTION |
| WC18PO64 | 3 lbs. | 18" Traffic Cone - 6" Reflective Collar |
| WC28PO64 | 7 lbs. | 28" Traffic Cone - 4" & 6" Reflective Collars |
| WC36PO64 | 10 lbs. | 36" Traffic Cone - 4" & 6" Reflective Collars |
| WC36PO6412 | 12 lbs. | 36" Traffic Cone - 4" & 6" Reflective Collars |
| WC36PO6415 | 15 lbs. | 36" Traffic Cone - 4" & 6" Reflective Collars |
| PART NUMBER | WEIGHT | DESCRIPTION |
| WCCW5 | 4.5 lbs. | Traffic Cone Weight Stabilizer |
| WCCW7 | 7 lb.s. | Traffic Cone Weight Stabilizer |



3M™ High Intensity Grade Cone Sheeting Series 3840 is made specifically for the shape and chemistry of PVC traffic cones, available in 4" and 6" cone collars. Its unique design provides excellent wide-angle reflectivity, giving the cone its full width appearance at night. Exceeds specification ASTM D 4956-04, Type III.



Barricade Lights

Solar Lights



Type "A" and "C" Barricade Warning Lights are available in regular incandescent, 6 volt LED and 3 volt LED. The regular incandescent Model 400 lights are pictured below.



Type "B" Warning Lights are available in Lightweight and LED models which operate on 4 "D" cell batteries. Solar Assist and Detachable models operate on 12,6 or 3 volt battery configurations.



Type "D" lights are available in incandescent and LED models providing 360° visibility in 6 or 3 volts and solar assist.



Model 2006 is a Type A, C and 3-way, 3 volt high efficiency light with an impact absorbing, breakaway candle. Operates on 2 or 4 "D" cell batteries.



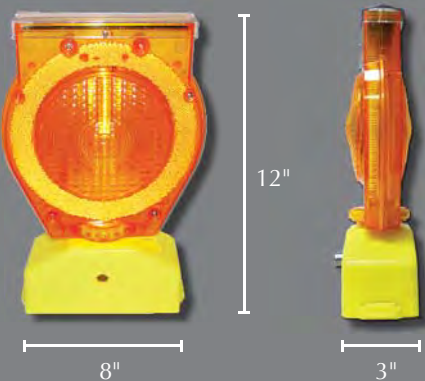
Detachable lights allow the batteries to be detached from the lens head & mounted low to the ground, below the breakaway zone.



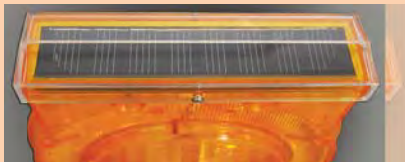
Solar Powered Type "A & C" Dual Function Hazard Light Flashing/Steady Burn

Type C solar lights are made with durable, high impact lexan lens that remain easily visible day and night. Each light comes with a crystalline solar panel protected by a removable shield that will flash approximately 60 times per minute for 3 nights after only 6 hours of sun charge.

- 12" x 8" x 3"
- 1.5 lbs.
- Automatic on at dusk, off at dawn (flashing/steady burn)
- Available in a variety of colors



WLDFO02Y
Amber Barricade Light TYPE C Solar with yellow case



Type "A" & "C" Barricade Warning Lights : Model 400



WL400APC
Amber Barricade Light with yellow case, uses two 6 volt batteries. Three way switch for off/on/steady.



WL400APC6V
Red Barricade Light with blue case, uses two 6 volt batteries.



WL400CPC
Amber Steady Burn Barricade Light with orange case, uses two 6 volt batteries.



WL6V
6 volt battery dry cell

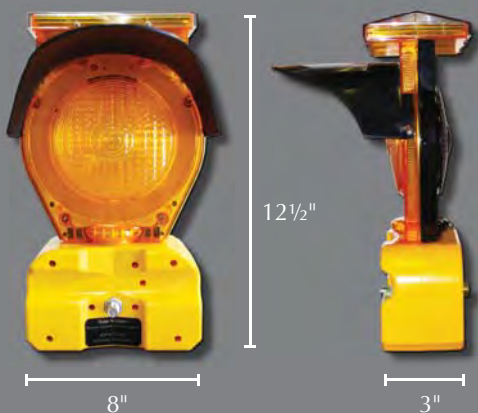
Model 400

- Upper case design eliminates need for the rubber neck ring
- Hi-impact polypropylene - UV stabilized
- Moisture proof circuit using the latest state of the art electric components
- Standard tamper proof mounting bolt 1/2" x 3 3/4" with a pyramid shaped head
- Steady Burn or Flashing
- Available in a variety of colors

Solar Powered High Intensity Type "B" Light

Type B solar lights are made with durable, high impact lexan lens and a polypropylene base designed for all applications. Each light is one sided and comes with a crystalline solar panel protected by a removable shield. The Type B Light will flash for approximately 60 times per minute for 3 1/2 days, 24 hours a day, with only 8 hours of sun charge.

- 12 1/2" x 8" x 3"
- 3.2 lbs.
- On 24 hr/7 day a week operation
- Available in a variety of colors



WLSBL006Y
Amber Barricade Light TYPE B Solar with orange case



Vests



WV22LMSURV-R
Lime with silver stripping and surveyor pockets. ANSI Class II
Size: L, XL, 2X
(Additional sizes available)



WVMI22705LV-B
Lime with 1 3/8" silver stripping. ANSI Class II - economy style
Size: XL
(Additional sizes available)

Flags

cotton



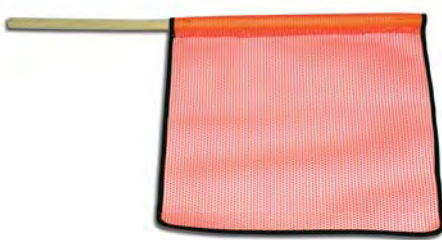
WFCBRF1824
18" Red Cotton Flag with 24" staff

vinyl



WVFO1830
18" Orange Vinyl Flag with 30" staff
WVFO2436
24" Orange Vinyl Flag with 36" staff
(Red Vinyl Flag available upon request)

knit



WFKVFO1830
18" Orange Knit Flag with 30" staff
WFKVFO2436
24" Orange Knit Flag with 36" staff



WFFFS-2
18" x 18" Flag Folding system to attach to the rib of roll-up signs



WFAPF
36" x 36" Orange and White Airport Flag

Stop/Slow Paddles

Our STOP/SLOW signs are made with 3M™ reflective materials and applied to both sides of an aluminum, ABS or ALPOLIC® octagon blank. STOP/SLOW signs are available with a variety of mast options to support your sign. Metal and PVC masts come in 2 detachable pieces for easy storage; metal masts come in a 1-piece

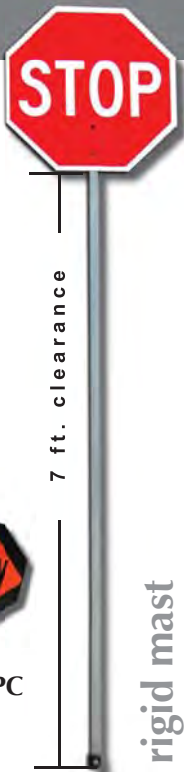
option as well. We also offer a fiberglass/aluminum telescoping mast that allows for easy storage without 2 separate pieces. In addition to the rigid STOP/SLOW paddles we offer a portable version which includes a roll-up STOP/SLOW sign and a 3-piece mast. All masts come with a non-skid rubber cap.



SSP-24HDABST



SSP-24HDA2PC



SSP-24HDA



SSP-24HDABS

| PART NUMBER | DESCRIPTION | MAST |
|--------------|---|---------|
| SSP-24SA | 24" STOP/SLOW with Engineer Grade Sheeting on Aluminum and 1"x1"x7' metal mast | 1-piece |
| SSP-24HA | 24" STOP/SLOW with Hi-Intensity Prismatic on Aluminum and 1"x1"x7' metal mast | 1-piece |
| SSP-24HDA | 24" Hi-Intensity Prismatic STOP/Diamond Grade SLOW on Aluminum and 1"x1"x7' metal mast | 1-piece |
| SSP-24HDA2PC | 24" Hi-Intensity Prismatic STOP/Diamond Grade SLOW on Aluminum and 1"x1"x7' metal mast | 2-piece |
| SSP-24SABS | 24" STOP/SLOW with Engineer Grade Sheeting on ABS and 7 ft. PVC mast | 2-piece |
| SSP-24HABS | 24" STOP/SLOW with Hi-Intensity Prismatic Sheeting on ABS and 7 ft. PVC mast | 2-piece |
| SSP-24HDABS | 24" with Hi-Intensity Prismatic STOP/Diamond Grade SLOW on ABS and 7 ft. PVC mast | 2-piece |
| SSP-24HDABST | 24" with Hi-Intensity Prismatic STOP/Diamond Grade SLOW on ABS and a fiberglass/aluminum telescoping mast - stores at a height of 6'3" and adjusts to 9'5" tall | 1-piece |
| SSP-24DF | 24" Diamond Grade Roll-Up STOP/SLOW with 3-piece mast and reinforcing vinyl storage bag | 3-piece |

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Terms and Conditions

Warranties

Korman Signs provides no warranties for its products beyond the warranties supported by the product manufacturer.

Shipping:

All items are F.O.B. factory unless otherwise noted or quoted in writing.

Shipping Method

- Customer Pick-Up
- UPS Ground
- UPS 2nd Day Air
- UPS Next Day Air
- Large shipments will ship by motor freight

Returns:

All returns must be approved by a customer service representative and are subject to a restocking fee as well as return freight charges. Custom orders cannot be returned.

After receiving your order check all merchandise carefully. If there is evidence of damage during transit please notify the delivering carrier immediately.

Payment Terms:

VISA, Mastercard, & American Express accepted. Standard terms of payment are Net 30 Days from the date of invoice with approved credit. Those without credit need to use a credit card or pay by check in advance. All unpaid invoices are subject to a 1½% per month service charge.

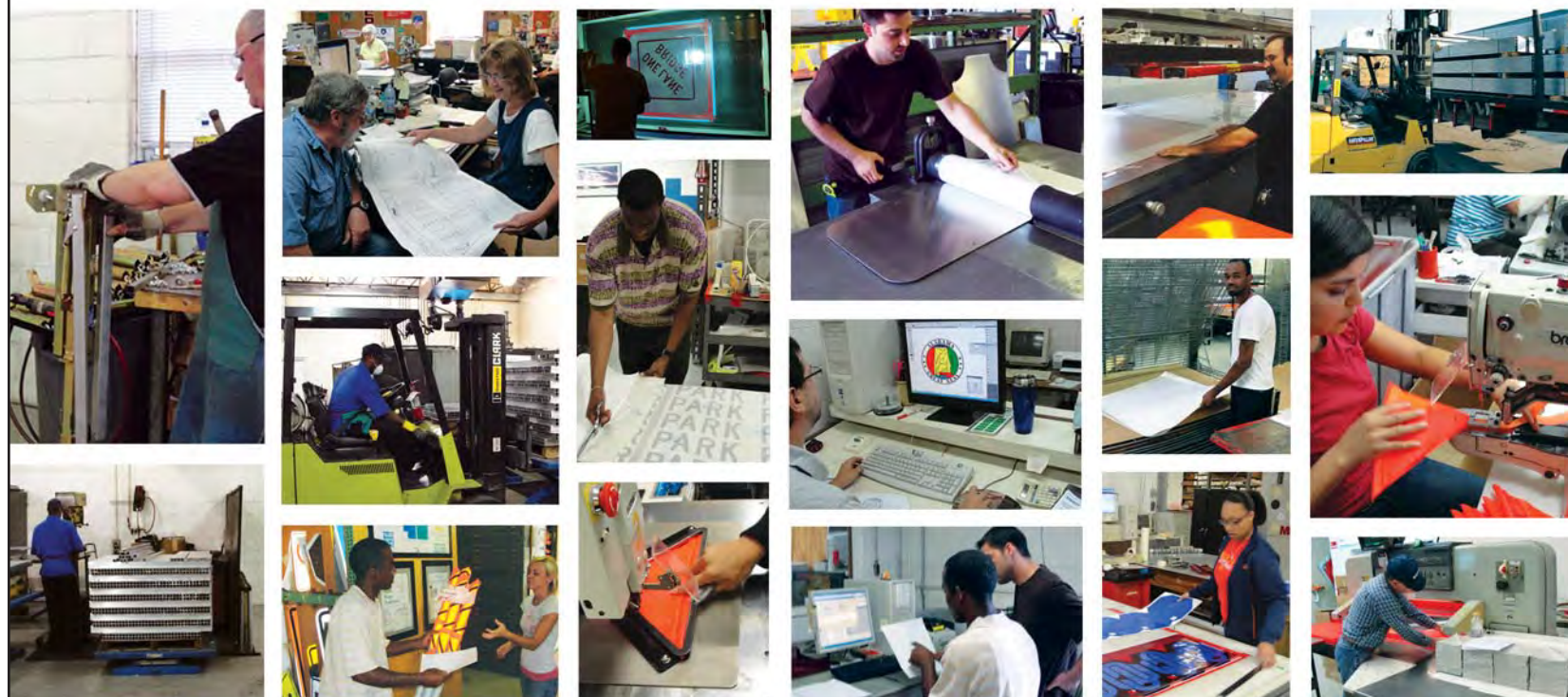


Sales Tax:

Tax exempt customers are required to provide a Tax Exemption Certificate.

**Office Hours : 7:00 am — 4:45 pm EST
Monday — Friday**

| | |
|--------------|---|
| Phone | 800.296.6050 or 804.262.6050 |
| Fax | 804.261.1040 |
| Mail | 3029 Lincoln Avenue Richmond, VA 23228 |
| Email | korman@kormansigns.com |
| Web | www.kormansigns.com |



Korman Signs
INC.

HEADQUARTERS FOR TRANSPORTATION SAFETY AND FLEET GRAPHICS

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